

## Completion Report

(05.03.2018 to 04.03.2023)

### Department of Biotechnology

#### Proforma for submission of Completion Report supported under Star College Scheme

1. Name of the College : Dr.N.G.P.Arts and Science College
2. Name of the Coordinator,designation, Address : Dr.S.S.Sudha  
 Professor  
 Department of Microbiology  
 Dr.N.G.P.Arts and Science College  
 Coimbatore - 641 048  
 Mobile: 9245282174 , 6374184334  
 drsudhakrish@gmail.com  
 drsudha@drngpasc.ac.in
3. (A) Assessment duration : 05.03.2018 to 04.03.2023 (B) Duration in years:5  
 (C) Extension period if any : 2years Extension
4. Details of Departments Supported

Sl. No	Name of Department	Courses (B.Sc./M.Sc./PGDiploma, certificate etc.)offered	Regular Faculty members	
			Total= 47	
			With Ph.D.	WithoutPh.D.
1.	Biochemistry	B.Sc./M.Sc./M.Phil./Ph.D./Diploma /Certificate	11	1
2.	Biotechnology	B.Sc./M.Sc./M.Phil./Ph.D./Diploma /Certificate	09	--
3.	Microbiology	B.Sc./M.Sc./M.Phil./Ph.D./ Certificate	11	01
4.	Food Science & Nutrition	B.Sc./M.Sc./M.Phil./Ph.D./Diploma /Certificate	02	12

5. Number & Date of Advisory Committee meeting held
  - : 7<sup>th</sup> meeting (Internal Advisory Meeting)
  - : 6th &29.12.2021 (Internal Advisory Meeting)
  - : 5th& 18.02.2021(Virtual Meeting with DBT-  
New Delhi officials)
  - : 4th& 16.03.2020 (Internal Advisory Meeting)
  - : 3rd& 30.07.2019 (Internal Advisory Meeting)
  - : 2nd&15.04.2019(Internal Advisory Meeting)
  - : 1st&26.04.2018 (Internal Advisory Meeting)

6. Qualitative improvements due to DBT support.

## **I. Capacity Building (Training and Infrastructure)**

### **I.A Training**

Teaching and Teacher Quality is enriched by attending 298 FDPs in various renowned institutions and industries. Training received through FDP was helpful to improve our knowledge in functional domains and also in thrust areas like IPR.

S.No	Reputed Institution/ Industry	Type of training obtained	No. of Beneficiaries	
			Faculty	Student
1	Agharkar Research Institute (ARI)	Fungal and Phytochemical	2	50
2	National Facility on Marine Cyanobacteria(NFMC)	Algae diversity and Cultivation	15	150
3	Central Food Technological Research Institute (CFTRI)	Food Processing and Quality Assessment	15	120
4	National Fungal Collection Facility of India (NFCCI)	Fungal Diversity	2	50
5	National Research Centre for Banana (NRCB)	Plant tissue culture and micro propagation	15	80
6	Tamil Nadu Agricultural University (TNAU)	Mushroom cultivation, bioinformatics, pasta, Jam, Jelly, Pickle and other fermented product making	20	250
7	CSIR	Summer Research Training	2	10
8	INSA Fellowship	Summer Research Training	4	4

### **I.B Infrastructure**

The infrastructure facilities developed under the DBT support facilitated the conduct of practicals in individual mode instead of group demonstration (New Experiments -74, New Practicals- 60. New Demo-2, Demo to Group -12) and utilized instruments (Nanophotometer, Stereo Microscope, Phase contrast Microscope, Type II biosafety cabinet, Electrophoresis, UV-Visible Spectroscopy, pasta and Ice cream making machine) with confidence and clarity during their course practicals and experiments, and also for their minor projects.

## **II. Multi-& Trans-disciplinary Knowledge Exchange and Training**

A minimum of 6 Interdisciplinary courses totaling to 16 credits are incorporated in the curriculum. They are offered from semester I-IV. Additionally, 74 new experiments covering inter & trans disciplinary and skill related practicals are offered throughout the programme. During the reporting period, nearly 115 hands on training in various functional domains include mushroom cultivation, bioprospecting, bioremediation, bioinformatics and food processing. Some of the notable

outcomes of knowledge exchange and training are as follow: 444 students projects, 72 products developed, 167 research publications, 13 copyrights and 2 FSSAI certifications.

### III. Entrepreneurship

- Ms. Shanmuga Vagini, III B.Sc., Food Science and Nutrition (2020-2023) has started home baking unit “Bommi’s Baking” in the year of 2021 and she got 250 + orders generated Rs. 2,00,000/-

### IV. Students Skill Development (Soft and Life Skills), Higher Studies and Community Outreach

#### IV. A. Soft and Life Skills

- Intra and Inter department, Inter-collegiate, knowledge exchange as well as workshops and hands on training programmes organized by the Star College Departments facilitated students to show excellence in micro-video preparation, quality checking, various recipes preparation besides self-development in accounting skills (Awards & Prizes received by students from other colleges 76)
- Students from Star College Departments received training under Indian Science Academies Summer Fellowship Scheme (17), received financial support from Tamil Nadu State Council for Science and Technology (TNSCST) under students project scheme (15) and co-authored book entitled “Fundamentals of Phytochemical Analysis”(eg: Monoclonal Antibodies, Research insights of life Science Students ISBN - 978-81-947154-5-0)

#### IV. B. Higher Studies -670

National:640	International: 30
<ul style="list-style-type: none"> <li>Central Universities – Thiruvapur, Hyderabad</li> <li>State Universities – University of Madras, Madurai Kamaraj University, Bharathiar University, University of Bangalore</li> <li>The Gandhigram Rural Institute</li> <li>Vellore Institute of Technology, Vellore</li> <li>Ramaiah University, Bangalore</li> <li>Layola College, Chennai</li> </ul>	<ul style="list-style-type: none"> <li>Newcastle University, UK</li> <li>University of Sheffield, UK</li> <li>University of Portsmouth, UK</li> <li>University of Kent, UK</li> <li>Nottingham Trent University, UK</li> <li>University of Queensland, Australia</li> <li>University of Leicester, UK</li> </ul>

#### IV. C. Community Outreach

- Students from Star College Departments created awareness on health and hygiene, sustainable environmental and impact of microbes on agriculture practices and healthy food habit to pregnant and lactating women in neighboring communities.
- Contests created awareness on science and its significances to students and peer discussion instills interpersonal and leadership skills. Outreach, community oriented programmes inculcate the moral

and ethical values among students, and overall star college scheme made a big transformation in science education (No. of Community Outreach Events:104)

## **V. Star College Cluster and National Symposium on Graduate Research (NSGR)**

- National event is organized to provide a platform and opportunity for graduate students in science and technology disciplines from DBT-Star colleges and others to share their innovative ideas, proposals, findings, process and products. This National Symposium on Graduate Research instilled the traits of innovation, idea conception, nurturing, devising, developing and demonstration among graduate students of science and technology stream
- **DBT-Star Colleges Cluster**  
This is a unique national platform for institutions running Department of Biotechnology supported “**Star College Scheme**”. This colleges cluster, annually organizes the “**National Symposium on Graduate Research (NSGR)**” where science stream students from across the nation are given a competitive platform to exhibit and enrich their research, innovation, start-up and entrepreneurial interests
- NSGR-2019 & NSGR-2020
- Three best prototypes/ models/ plans/ ideas are selected and given medals and appreciation certificate

## **VI. Research, Innovation, IP Generation and Entrepreneurship**

Research Publications: 167

### **Innovation**

- Students of Star College Departments completed several minor projects involving isolation, identification, characterization, separation and preservation of pigments and preparation and quality checking of healthy nutritious food (No. of Student Projects: 444).
- Students of Star College Departments received product development training in Composting, Spawn production, Mushroom cultivation, Azolla cultivation, Bio-fertilizer production, Spirulina cultivation, Organic Soap/ Candles. This training intended to facilitate student startups and entrepreneurship (No. of Products developed: 72)

### **IP Generation**

- Students and staff members of Food Science and Nutrition (9 No's) and Biotechnology (4 No's) received copyrights for their innovation
- 23 Student Entrepreneurs
- 2 Students received FSSAI Certification for their food formulation

S.No	Department	Student Details	Project/Activity Details under DBT Star Scheme	Impact
1.	Biochemistry	Mr.Ponsankaran.R & R.A.Sobiya III B.Sc Biochemistry	Comparative Analysis of protein in glandless and degossypolizedglanded (Crude and Milk Powder) of cottonseed species of Gossypium Hirsutum	<b>Publication</b> - Journal of Emerging Technologies and Innovative Research, July 2021, Volume 8, Issue 5,PP:f676-f690.(ISSN-2349-5162).
2.	Biotechnology	Vishnu B	Workshop on Phytochemical characterisation and niosome production	<b>Publication</b> - Fundamentals of Phytochemical Analysis Publisher: Kindle direct publishing ISBN: 9781073044368 <b>Higher study</b> - Sheffield Hallam University, U.K.
3.	Microbiology	K Vignesh	Composting by kitchen Waste and earthworm	<b>Won the Cash Prize</b> - First prize- . Rs. 2000/- Second prize- . Rs. 1500/-
		A. Tobias Noel & S.Vikram	Preparation of Nutrient rich media using Boost and Horlicks for cultivation of microbes	
		J Santhiya Shree & K.R. Tharsika,	Natural cosmetics using Natural pigments	
4.	Food Science and Nutriion	Students from III B.Sc., FS& N	Lab on Project	<b>Created Mobile Application</b> – Nutrigames <b>Created Website</b> – 2 No's <b>Edited Pamphlets</b> - 12 No's <b>Edited Booklets</b> - 3 No's
		Ms. Stahya Prabha		<b>Publication</b> – NIN E-Magazine

## 7. Any Novel aspect introduced during the scheme duration.

### I. Popularization of Science and Familiarization of Scientific tools:

- Infrastructural and intellectual resources available under the DBT-Star College Scheme have been utilized to offer hands on workshops to 25 teachers and 1200 students from neighboring colleges; popularization of science and scientific tools among school children (1<sup>st</sup> year; 10 schools and 900 students & 2nd year; 30 schools and 3000Students, 3<sup>rd</sup> Year didn't perform due to pandemic, 4<sup>th</sup> Year 5 schools: 600 students and 5<sup>th</sup> year 60 schools 5000 students) benefitted. Science

popularization programme was organized in association with Balagurusamy Educational Trust, Coimbatore and Dr.Kalam Educational Trust for Tribal, Chennai).

## **II. Lab on Project (LoP):**

- To promote the undergraduate research among students, the LoP is introduced beyond their regular class hours. LoP is introduced as group project consisting of not more than five members. It consist of four stages namely Literature collection, Identification of Research area, Execution of research and Reporting/ Publication of research reports/ product developments. These four stages spread over from III<sup>rd</sup> to V<sup>th</sup> semester (No.of LoP: 89).

## **III. Consortium of Colleges:**

- To associate academic activities (innovative courses, organizing seminar, conferences, symposia), promote student and faculty exchange and develop collaborative research programmes, an MoU was signed between Vellalar College for Women, Erode; Gobi Arts and Science College, Gobichettipalayam. Faculty Development Program (2/700 Beneficiaries); Student exchange (250 Students); staff exchange (8); Board of Studies Members(25) and collaborative research proposals submitted (4).
- Signed MoU with Miranda House New Delhi.

## **IV. Centre for Industry Institution Partnership (CIIP):**

- CIIP is promoting the interaction between Industry and Institution to bring out appreciable changes in curriculum, training, internships, research projects, consultancy, placement and entrepreneurship. CIIP operates at two levels;
- **CIIPConclave:** It is an annual event where opportunity is provided to interested/selected students to closely interact with eminent Industrialists.
- **Industry Connect:** There are totally six industry connect platforms, one each for every programme discipline. This event is organized fortnightly to promote deeper interaction with industry representatives

## **8. Lessons learnt/ difficulties faced/ suggestions if any, in implementation of the programme and utilization of DBT grant. (Max 3 points within 300 words).**

- Due to pandemic, hands on training programmes could not be offered as planned during the 3<sup>rd</sup> year of Star College Scheme. However, we could resume regular practical's and hands on experiments when students came back to the campus effectively
- During the Pandemic Period, faculty member undergone digital teaching and learning techniques offered by ICT Academy that facilitated online teaching

- Mentors offered timely guidance in planning and execution of activities under DBT Star College Scheme
- Thus, made us realize the importance of having a institutional / expert mentors

### 9. Key performance indicators

Sl. No.	Indicator	Pre-support									During/ After Support									Remark
1.	No.of students admitted	Total= 250									Total= 850									
		SC	ST	OBC	G	SC	ST	OBC	G	Total	SC	ST	OBC	G	SC	ST	OBC	G	Total	
Biochemistry	2017-18	-	-	11	1	1	1	32	12	58										
	2018-19	-	-	-	-	-	-	-	-	-	1	0	10	1	4	0	42	1	59	Improved
	2019-20	-	-	-	-	-	-	-	-	-	2	0	22	2	2	0	28	1	57	
	2020-21	-	-	-	-	-	-	-	-	-	3	0	20	3	1	0	25	8	60	
	2021-22	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	18	Due to Pandemic
	2022-23	-	-	-	-	-	-	-	-	-	3	-	9	-	3	-	7	13	35	Improved
Biotechnology	2017-18	-	-	24	-	2	-	37	2	65	-	-	-	-	-	-	-	-	-	
	2018-19	-	-	-	-	-	-	-	-	-	2	0	11	0	5	0	43	2	63	Improved
	2019-20	-	-	-	-	-	-	-	-	-	0	0	17	1	2	0	40	1	61	
	2020-21	-	-	-	-	-	-	-	-	-	1	0	23	0	3	0	36	3	66	
	2021-22	-	-	-	-	-	-	-	-	-	1	-	13	1	-	-	28	2	45	Due to Pandemic
	2022-23	-	-	-	-	-	-	-	-	-	-	1	23	-	4	-	25	5	58	Improved
Microbiology	2017-18	-	-	11	1	3	-	44	4	63	-	-	-	-	-	-	-	-	-	
	2018-19	-	-	-	-	-	-	-	-	-	1	0	14	1	1	0	40	1	58	Improved
	2019-20	-	-	-	-	-	-	-	-	-	0	0	13	5	3	0	38	3	62	
	2020-21	-	-	-	-	-	-	-	-	-	0	3	9	2	1	2	46	0	63	
	2021-22	-	-	-	-	-	-	-	-	-	1	-	5	-	-	-	-	25	31	Due to Pandemic
	2022-23	-	-	-	-	-	-	-	-	-	1	1	16	3	2	-	22	12	57	Improved
Food Science & Nutrition	2017-18	-	-	8	2	2	-	49	3	64	-	-	-	-	-	-	-	-	-	
	2018-19	-	-	-	-	-	-	-	-	-	0	0	7	4	2	1	40	10	64	Improved
	2019-20	-	-	-	-	-	-	-	-	-	0	0	7	1	3	0	43	6	60	
	2020-21	-	-	-	-	-	-	-	-	-	1	0	13	0	5	0	35	1	55	
	2021-22	-	-	-	-	-	-	-	-	-	-	-	3	1	2	-	20	2	28	Due to Pandemic
	2022-23	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	31	-	34	Improved
2.	Admission cut-off %									As per Parent university (Bharathiar University)										
3.	No. of students passing out (%) [Students Admitted/ passing out (pass %)]						94%			98%										
4.	Drop-outrates						5%			0.8%										



5.	No. of students opting for MSc / M.Tech/ PG Diploma in Science	140	670					
6.	Average marks	70%	76%					
7.	No.of hands-on experiments being conducted	8/sem/dept	BC 26	BT 32	MB 30	FS&N 26	Com 1	T:115 Annexed
8.	No.of new experiments introduced	2/sem/dept	BC 18	BT 21	MB 17	FS&N 18	T: 74 Annexed	
9.	Publications (Scopus indexed)/ patents,if, any.	4/year/dept	BC 50	BT 45	MB 56	FS&N 16	T: 167 Annexed	
10.	Training received by Faculty Students (Summer/ Winter Projects)	8/year/dept	BC 111	BT 47	MB 60	FS&N 92	Com 04	T: 314 Annexed
11.	Exhibitions/seminars / training courses conducted	5/year/dept	BC 36	BT 53	MB 28	FS&N 33	Com 05	T:155 Annexed
12.	Books/ journals Subscribed from grants	Books available in Common library	BC 04	BT 01	MB 05	FS&N 05	T:15 Annexed	
13.	Out reach activities (Popularlectures)	2/sem/dept	BC 16	BT 11	MB 18	FS&N 53	Com 02	T:100 Annexed
14.	Colleges mentored to Apply for DBT Star College grants	-	4 (Gobi Arts College, Gobichettipalayam, RVS CAS, Nehru CAS, & Krishna CAS, Coimbatore)					
15.	Invited lectures	3/sem/dept	BC 37	BT 34	MB 36	FS&N 47	Com 03	T:157 Annexed

### 9 (7) No.of hands-on experiments being conducted -115

S. No.	Academic Year	Date	Hands on Experiments
<b>Biochemistry</b>			
1.	<b>2018-19</b>	18.09.2018 - 19.09.2018	Phytochemical analysis
2.		14.02.2019	R-Programming for Biologists
3.		23.02.2019	Quantification of alkali and alkaline earth metals in Biological samples by flame photometry
4.	<b>2019-20</b>	22.06.2019	Student Knowledge Sharing Programme on "Genomics"
5.		23.07.2019	Student Knowledge Sharing Programme on "Analysis of Nano particles in UV-Visible Spectrophotometer"
6.		24.08.2019	Plant Tissue Culture
7.		25.08.2019	Electrophoresis
8.		26.04.2020	Chromatography
9.		27.04.2020	Spectroscopic Techniques
10.		28.08.2020	Animal Tissue Culture
11.		14.12.2019	Basic Microbial Culture Techniques in Quality Control Management
12.		20.08.2019 - 21.08.2019	Water and Waste Water Analysis offered in association with the department of Chemistry
13.		27.08.2019	Biostatistics and problem Solving Through Excel offered in association with the department of Computer Science



14.		07.12.2019	Extraction of Natural Dyes from plants & vegetables and its application in Food preparation associated with Catering Science & Hotel Management
15.	<b>2020-21</b>	03.02.2021	PCR
16.		05.02.2021	Quantification of Phytochemicals
17.		05.02.2021	Mushroom Spawn Culture
18.		06.02.2021	<i>Invitro</i> free Radical Scavenging Activity
19.		22.03.2021	Immuno techniques
20.	<b>2021-22</b>	22.10.2021 - 23.10.2021	Phytopharmacology
21.	<b>2022-23</b>	16.08.2022	Workshop <b>Topic:</b> Alternatives for Animal Models in Biomedical Research
22.		07.02.2023	Determination of Molecular weight of enzymes using gel filtration
23.		21.02.2023	Enzyme immobilization by sodium alginate method
24.		16.03.2023	Culture transfer techniques: Slid to solid (Streaking), Liquid to solid (spreading), Liquid to liquid, solid to liquid and determination of CFU/ml.
25.		21.03.2023	Study and plot the growth curve of <i>E. coli</i> by turbidimetric and standardplate count methods
26.		09.03.2023	Determination of a. Moisture content of foods, b. Adulterants in food, c. Calcium in ragi, d. Iron indrumsticks
<b>Biotechnology</b>			
27.	<b>2018-19</b>	10.01.2019	Workshop onNanophotomertic Techniques (interdepartmental) - Students of MB, BC, FS&N(100Nos)
28.		01.02.2019	Hands on training in operation of Bottle top Dispenser for dispensing acids and corrosive reagents by Mr. V. Manikandan,Sr. Sale Executive Microlit, Lucknow - Lab assistants from Science Departments(10 Nos)
29.		07.02.2019	Hands on training in Microtomy (interdepartmental) by Dr. A. Balamurugan, Manager, Field and Research Trails, T-Stanes, Coimbatore - Students of Biotechnology and CLT (150 Nos)
30.		13.02.2019	Workshop on PCR and Nanophotometer (intradepartmental) - Students of Biotechnology (150 Nos)
31.		19.02.2019	Hands on training in Protein & Nucleic Acid Quantification with Nanophotometer (intercollegiate) - Students of various colleges in and around Coimbatore (80Nos)
32.		21.02.2019	Workshop on Operations and Applications of UV-Visible Spectrophotometer (intercollegiate) - Students of various colleges in and around Coimbatore(50Nos)
33.		30.03.2019	Hands on Training in Animal Tissue Culture Techniques (interdepartmental) by Dr. G. Suja, Assistant Professor,C.M.S. College of Science and Commerce,Coimbatore - Teaching staff (10), Research Scholars (5) and Non teaching staff (2) from Bioscience Departments
34.	<b>2019-20</b>	12.07.2019	Google Classroom
35.		28.06.2019	Workshop on Intricacies in handling Plant Tissue Culture (intradepartmental)
36.		01.07.2019	Hands on training Quantification of DNA from Herbal leaves and Animal tissue using Nanophotometer (Inter departmental)

37.		5.07.2019	Hands on Training on UV- Visible Spectrophotometer using Nanoparticles (Intradepartmental)
38.		8.7.2019	Hands on training in Tools for Biologists in Bioinformatics (Intradepartmental)
39.		15.07.2019	Workshop on Operations in MS Office (Intradepartmental)
40.		16.07.2019	Workshop on Death of Piracy and Video editing tools associated with Information Technology department
41.		30.08.2019 to 06.09.2019	Hands on training on Protein Purification Techniques (Interdepartmental)
42.		05.08.2019	Hands on Training on Operations in MS Excel (Intradepartmental)
43.		03.10.2019	Workshop on SpawnproductionandMushroom cultivation (Intradepartmental)
44.		22.11.2019	Workshop on Quantification of Serum proteins using Colorimeter and Nanophotometer (Intradepartmental)
45.		01.02.2020	Workshop on Scientific Writing (Intercollegiate)
46.		03.02.2020	Workshop on Mushroom Cultivation(Intercollegiate)
47.		2020-21	19.02.2021
48.	22.02.2021		Hands on training - Phytochemical Extraction from Medicinal Plants using nanophotometer
49.	05.03.2021		Hands on training – Quantification of Phytochemical Extraction from Medicinal Plants using nanophotometer
50.	06.03.2021		Hands on training - Stereomicroscopic Techniques
51.	2021-22	06.10.2021- 07.10.2021	Hands on Training -“Microbial Isolation and Molecular Analysis”
52.		12.10.2021	Working of Commercial Labs
53.		23.10.2021	Competitive Intelligence In Life Science
54.		31.03.2022	Comparison of DNA quantification from medicinal plants
55.		25.08.2022	Workshop on Nanophotometric quantification of DNA in different Plant tissues
56.		29.09.2022	Workshop on Stereomicroscopic observation of Pollen Diversity
57.	2022-23	02.11.2022	Mushroom Cultivation Dr. S. Nakeeran Professor Dean – Agricultural College and Research Institute (AC & RI) Kudumiyamalai Pudukottai District
58.		16.02.2023	HPTLC Data Analysis
Microbiology			
59.	2018-19	11.09.2018	Safety Measures and Awareness and Training on Symbols for Bioscience and Chemistry lab Assistants
60.		08.01.2019 & 09.01.2019	Workshop on “Identification of Fungi & Algae and Hands on training in Fold scope” for Inter Departmental (Bioscience)
61.		06.02.2019 – 07.02.2019	Workshop on “Identification of Fungi & Algae and Hands on training in Foldscope (WIFATF-19) for Inter college students
62.		11.02.2019 - 15.02.2019	Hands on Training in Stereo and Inverted microscope for Students of Department of Microbiology

63.		13.02.2019	Workshop on Microbes and their role in baking with Catering Science Department (Knowledge Exchange programme)
64.	<b>2019-20</b>	24.06.2019- 28.06.2019	Hands on Training on Stereo, Inverted Microscope & UV Spectrometry – for I Year Bioscience Students
57.		17.08.2019	Culture Preservation techniques
58.		01.02.2020	Chromatography techniques
59.		08.02.2020	Immunotechniques
60.		17.08.2019	Hands on Training on Stereo, Inverted Microscope - Biotech. Students
61.		13.08.2015 - 14.08.2019	Streaking and inoculation of Microbes – Biochemistry Students
62.		18.02.2020 - 19.02.2020	Enumeration of Microbes from food sample – Food Science & Nutrition
63.		06.01.2020	Basic techniques in isolation if microbes and biochemical tests – Sri RajrRajeswari Matric. school, Kangeyam
64.		12.07.2019	Foldscope training to school students – Kalapatti Govt. School
65.		12.03.2020	Morphological Study & role microbes in fermentation associated with Catering Science & Hotel Management.
66.		16.07.2019	Insights on Plant tissue culture techniques” and “Certifications required for startup of Food Business in India
67.	<b>2020-21</b>	09/01/2021	Worskshop on Bioinformatics
68.		04/02/2021	Virtual Workshop on Proteomics
69.		26/02/2021	Workshop/ Hands on Trainign - Instrumentation techniques in Microbiology for UG Students
70.		27/02/21	Mushroom Cultivation Training -Intradepartmental
71.		06/03/21	Mushroom Cultivation Training -Interdepartmental
72.	<b>2021-22</b>	12/09/2021	Online Lecture workshop Series on Analytical measuring Bioremediation
73.		27/09/2021	Online Lecture workshop Series on antimicrobial testing
74.		30/09/2021 - 01/10/2021	Workshop on “Basic Microbiological techniques” - Intradepartmental
75.		04/10/2021- 07/10/2021	Hands on Training program on “Microbial Isolation and Molecular Analysis”-KMCH College of Pharmacy students Jointly with Biotechnology Dept
76.		04/10/2021	Online Lecture workshop Series Contesting of Microbial Insecticides
77.		06/10/2021	Virtual Lecture Workshop on "RT-PCR and Diangnosis"
78.		07/10/2021	Online Lecture workshop Series on Pharmaceutical analysis
79.		11/10/2021	Online Lecture workshop Series on IgY and its applications
80.		17/12/2021 - 18/12/2021	Faculty attended Workshop on “NGS; 16S Meta genome - Sample to Data” at Ganga Orthopedic Research and Educational Foundation, Coimbatore
81.		12/04/2022	Workshop on "Antimicrobial Evaluation and MIC" for PG chemistry students
82.		13/04/2021	Workshop on "Antimicrobial Evaluation and MIC" for PG Physics students
83.		23/09/2022	Workshop on “Column Chromatography Techniques” by Dr. A.M. Ramachandran, Associate Professor, Dr. J. Devakumar, Assistant Professor, for UG & PG Microbiology Students.

84.		28/10/2022	Workshop on "Stereo and Inverted Microscope" Student Development Programme I, II UG & I PG Students.
85.	2022-23	23.09.2022	“Chromatography Techniques” for Microbiology students
86.		13.10.2022 & 14.10. 2022	“Natural Compounds Extraction and Antimicrobial Studies” & Natural Dying and Printing with CDF Department
87.		15.03.2023 & 16.03.2023	“Microbiological Techniques” for Biochemistry students
88.		16.03.2023 & 17.03.2023	“Nutritional composition & shelf–life analysis of Food” for the Food Science & Nutrition Department
Food Science and Nutrition			
89.	2018-19	27.06.2018	Hands on training on processing of ready to eat foods
90.		09.07.2018 – 13.07.2018	Hands on workshop on fruit and vegetable preservation
91.		11.02.2019	Workshop on use of ice cream machine and extruder to all other under graduate students
92.	2019-20	24.07.2019	In house training on baked products
93.		13.09.2019	Workshop on personal hygiene was given to school students
94.		22.08.2019	Training on Formulation of Healthy Nutritious Snack for School Going Children
95.		03.03.2020	Workshop on value added products on spices for lab technicians
96.		01.02.2020	Hands on training on ice cream and pasta making
97.		18.02.2020 - 19.02.2020	Knowledge Exchange Programme on ice cream & pasta making
98.	2020-21	02.02.2021- 05.02.2021	Formulation of Value added products
99.		15.03.2021 - 18.03.2021	Analysis of nutrients in food sample
100.		19.02.2021- 20.02.2021	DBT: Food Expo
101.	2021-22	22.03.2022	Workshop on Basic Fitness
102.		30.03.2022	Demonstration on Gym Equipments
103.		18.12.2021	Workshop on puppetry- a nutrition education tool on
104.		12.04.2022	Knowledge exchange program- Label making -Flips Association
105.		13.04.2022	Skill Enhancement Workshop on “Developing Value Added Product
106.		08.08.2022	Workshop on Indigenous Food for Infants and Puppet Show on nutrition Insight for pre and postnatal mothers
107.		02.09.2022	Importance of Nutrition and Its Benefits Worlds of Flavor
108.	2022-23	09.03.2023	Workshop on “Anthropometric assessment methods and techniques”
109.		13.03.2023	Workshop on “Food Adulteration”
110.		14.03.2023	Hands on training programme on “Food Preservation”
111.		15.03.2023	Workshop on “How to prepare for RD Examination”
112.		16.03.2023	Workshop on “Analysis of Proximate composition in Food”
113.		17.03.2023	Workshop on “Sports Nutrition”
114.		21.03.2023	Workshop on “Research tools in Food Science and Nutrition”

All 4 participating department			
115.		17.07.2019	Bee Keeping

**9 (8) No.of new experiments introduced -74 (New practicals- 60, New Demo-2, Demo to group-12)**

S. No.	Name of the Experiments
<b>Biochemistry</b>	
1.	Preparation of Buffer solution and pH Determination
2.	Staining and visualization of mitochondria by janus green stain
3.	Mitosis in onion root tip (microscope)
4.	Meiosis in grasshopper testis squash.
5.	Cell Types- Microbial, Animal and Plant morphometric measurements.
6.	Study of Cell Viability or cell death by MTT assay
7.	Fractionation of cellular components.
8.	Ultraviolet absorption spectrum of DNA & RNA
9.	Estimation of Hemoglobin
10.	Isolation of chromosomal DNA from E.coli.
11.	Extraction of total nucleic acids from plant tissue.
12.	Isolation of total RNA from yeast cells.
13.	Amplification of a DNA fragment by PCR.
14.	Transformation of E. coli cells with plasmid DNA.
15.	Restriction digestion (RFLP).
16.	southern and western blotting.
17.	Comet assay.
18.	Estimation of electrolytes (Na, K, Ca)
<b>Biotechnology</b>	
19.	Preparation of Herbaria – Five families (1 Plant from each family) with Authentication
20.	Field visits to nearby Zoo, Forest, Nursery, and Culture collection centre – Herbaria/Botanical Garden
21.	Preparation of Insect Box and Calculation of Species richness by line and plot analysis
22.	Observation of fungi under stereomicroscope
23.	Demonstration – PCR Amplification of 16SrDNA
24.	Preparation and quantification of Immunoglobulin
25.	Spectral analysis of silver nanoparticles
26.	Estimation of DNA/proteins from different sources using nanophotometer
27.	Determination of protein content in serum
28.	Quantification and purity analysis of Plasmid DNA
29.	Demonstration of Basic Laboratory Practices and instrument handling

30.	Simple staining of Bacteria and observation under stereomicroscope
31.	Sex chromatin observation from Buccal smear
32.	Estimation of Protein by Lowry's or Bradford's method
33.	Blood grouping and Rhtyping
34.	Retrieving data from Biological Databases
35.	PCR
36.	Restriction Digestion and Ligation
37.	Synthesis of Nanoparticles using herbal plants
38.	Spectral analysis of Nanoparticles obtained from herbal sources
39.	Antibacterial screening of metallic Nanoparticles
<b>Microbiology</b>	
40.	Separation of proteins by SDS – PAGE
41.	Isolation and identification of microbes from spoiled foods
42.	Isolation and Identification of Clinical pathogens
43.	Separation of DNA by Agarose electrophoresis
44.	Isolation of Antibiotic producing microorganisms from soil- Crowded plate technique, Secondary screening
45.	Determination of optimum temperature and pH for soil bacteria
46.	Antibiotic sensitivity test (Kirby Bauer Method) & MIC
47.	Slide culture Technique
48.	Preservation of bacterial cultures – Mineral oil overlay method
49.	Fungal staining – Lacto phenol Cotton Blue Mount & Fungal Cell observation by Stereo Microscope
50.	Isolation and Identification of algae from water sample by Inverted microscope
51.	ELISA Technique - Demonstration
52.	Separation of bioactive compounds from microbes and plants ( Demo to group)
53.	Isolation and observation morphological characterization of fungi from soil and food samples (Stereomicroscope)
54.	Immunotechnique - Dot Elisa - (Demo to group)
55.	Separation of nucleic acid– (Demo to group)
56.	Separation of Protein – (Demo to Group )
<b>Food Science and Nutrition</b>	
57.	Estimation of PH content in fruits
58.	Estimation of calcium and iron by using UV Visible Spectro Photometer
59.	Formulation of vegetable powder fortified extruded products
60.	Production of natural flavored ice cream

61.	Extraction of natural pigments from Vegetables
62.	Formulation of value added Toffee
63.	Development of value added foods from cereals and pulses
64.	Development of value added foods from vegetables and fruits
65.	Determination Methylene Blue Reduction Test
66.	Detection of adulteration in milk by using Lactometer
67.	Estimation of pectin content in food
68.	Identification of starch content in food
69.	Food product development practical-extruded products by using Pasta machine, Ice cream machine small, muffin maker and waffle maker
70.	Menu Plan For Twin Pregnancy
71.	Low cost weaning food for under nourished children
72.	Formulation of health drink for geriatric condition to free from insomnia
73.	Formulation and standardization of fermented beverages
74.	Development of natural food colors

#### 9 (9) Publications(Scopus indexed)/patents,if any. UGC indexed Journals -167

S. No.	Department	Publication
1.	BC	Dr.Gowri.S.2018. Growth and Characterization of Struvite Crystalsby Alpinia Calcarata Stem Extract. International Journal for Research in Applied Science & Engineering Technology. vol. 6. No.6.pp 1087-1093 June 2018,ISSN NO: 2321-9653
2.		Dr.N.Kannikaparameswari.2018.Qualitative investigation of Phytochemical compounds present in the Traditional Wound healer HemigraphisColorata by GC-MS analysis. International Journal of Creative Research Thoughts. Vol.6 No1, January 2018, ISSN 2320-2882
3.		Dr.N.Kannikaparameswari 2018.Papain Loaded Solid Lipid nanoparticles for Colorectal Cancer Therapy.Current Cancer Therapy Reviews.Vol.14 No.1, pp.75-87, January 2018, ISSN: 1875-6301 (Indexed in SCOPUS).
4.		Dr.N.Kannikaparameswari.2019.Formulation and Characterization of Papain Loaded Solid Lipid Nanoparticles Against Human Colorectal Adenocarcinoma Cell Line.Asian Journal of Pharmaceutical and Clinical Research.Vol.12 No.6, 2019, ISSN: 0974-2441(Indexed in Scopus).
5.		Dr.N.Kannikaparameswari.2018. Immunostimulatory Potential of Papain Encapsulated Solid Lipid Nanoparticles.Journal of Applied Pharmaceutical Science.Vol.8 No.7, pp.37-42, July 2018, ISSN 2231-3354 (Indexed in SCOPUS).
6.		Dr.N.Kannikaparameswari.2019.Anticancer activity of Herbal formulation of Simarouba



	glauca and Annona muricata on MCF-7 cell lines. International Journal of Scientific Research. Jan 19, 2277-8179.
7.	Dr. C. Venkatesan. 2019. In vitro antiarthritic activity of methanolic extract of stem of <i>Calotropis gigantea</i> International Journal of Current Advanced Research. Jan-19, 2319-6475.
8.	Dr. K. Rajathi. 2019. In vitro Antidiabetic and antioxidant activities of the methanolic extract of <i>Alpinia purpurata</i> stem. International Journal of Recent Scientific Research. Jan 19, 0976-3031.
9.	Gowri. S. 2019. Screening of Larvicidal Activity of Combined Medicinal Extracts Against Dengue Vector ( <i>Aedes Aegypti</i> ), Int J Recent Sci Res. Vol. 10 No. 5, pp. 32188-32191. May 2019, ISSN: 0976-3031 (Indexed in google scholar)
10.	Kannikaparameswari N. 2019. Toxicity Studies of a developed Nephroprotective Polyherbal Formulation in Experimental Rat. Asian Journal of Pharmaceutical and Clinical Research. Vol. 12 No. 6, 2019, ISSN: 0974-2441 (Indexed in Scopus)
11.	Dr. Pradeepa. D. 2019. Antimicrobial and antioxidant activity of the methanolic extract of <i>Alpinia purpurata</i> rhizomes. Journal of Pharmacognosy and Phytochemistry. Vol. 8, issue. 2, 1373-1377, February 2019, ISSN: 2278-4136 and 2349-8234, (Indexed in Google Scholar)
12.	M. Arisha Taj Dr. Ashish Wadhvani Dr. S. Gowri. 2020. In-vitro Antiviral Activity of BanLec against Herpes Simplex Viruses type 1 and 2. Bangladesh Journal Of Pharmacology. 15(1):11-18.
13.	Dr. N. Kannikaparameswari. 2019. Toxicity Studies of a Developed Nephroprotective Polyherbal Formulation in Experimental Rats. Asian Journal of Pharmaceutical and Clinical Research. 12(6):166-169.
14.	Dr. N. Kannikaparameswari. 2019. In vitro Anti-oxidant and Anti-Inflammatory Property of Ethanol Extract of <i>Tridax procumbens</i> Leaves. World Journal of Pharmaceutical Research. 8(7):1137-1147
15.	Dr. Dhana Rangesh Kumar V. 2019. Assessment of Antioxidant, Antibacterial Activity and Phytoactive Compounds of Aqueous Extracts of Avocado Fruit. International Journal of Peptide Research and Therapeutics. 19(4).
16.	Dr. K. Rajathi. 2020. A study on antibacterial and antitumor activity of <i>Sechium edule</i> (Chayote) fruit extracts against HGC 27 cell line. International Journal of all Research Education and Scientific Methods. ISSN: 2455-6211 Volume 8 (7) July 2020.
17.	Dr. T. Indhumathi., 2020. Worldwide Threatening to Mankind-SARS CoV-2 and its Attributes. Journal of Pharmaceutical Sciences and Research (JPSR). Vol. 12(7), 2020, 941-947. ISSN: 0975-1459.
18.	Dr. K. Rajathi. 2020. The World Invisible Murderer: Review on Covid-19. International

		Journal for Science and Advanced Research in Technology.Vol 6(5),May 2020 ISSN 2395-1052.
19.		Dr.T.Indhumathi., <b>2020</b> .Application of arthrospira platensis (spirulina) as bio-fertilizer for sustainable agriculture.International Journal of Applied and Advanced Scientific Research (IJAASR).ISSN (Online): 2456 - 3080, Volume 5, Issue 2, 2020.
20.		Dr.N.Kannikaparameswari.2020.Free radical scavenging activity of developed herbal formulation.Drug invention today.ISSN: 0975-7619, vol 14, Issue 2,2020.
21.		Dr.K.Rajathi.2020.Effect of Fucoidin mediated Zinc oxide nanoparticles on the TRAIL induced apoptosis in prostate cancer pc-3 cell line Journal of emerging technologies and Innovative research, vol 8, Issue 4, April 2021, 391-398.
22.		Dr.V.Dhanarangeshkumar.2021.Immensely impacted epidemic and pandemic viral outbreaks in India: A review article International Journal of Scientific development and research .2455-2631, vol 6, Issue 2,February 2021 253-256.
23.		Dr.K.Rajathi.2021.Mechanisms of Inhibitory effect of biosynthesised silver nanoparticles on TNF-alpha induced NF-kB nuclear translocation in prostate cancer cells.International journal of pharmaceutical sciences and Nanotechnology.vol 14, Issue 2, April 2021.
24.		Dr.T. Indhumathi,Dr.S. Kathiravan, Feasibility of nano-scaffold for Covid-19 infected lung tissue regeneration: A review. Asian Journal of pharmacy and Pharmacology2021   Vol: 7(3)   Issue: 3 (May- June) (ISSN: 2455-2674)
25.		Dr.K.Rajathi, Studies on alpha-amylase inhibitory potentials of polyphenols in <i>Mangifera indica</i> Linn and <i>Terminalia Bellirica</i> . Aegaeum Journal, Volume IX,Issue VI, June 2021
26.		Dr. Dhana Rangesh Kumar V, Phytochemical and in-vitro antioxidant activity of polyherbal formulation of medicinal plants. Journal of University of Shanghai for Science and Technology, 1007-6735 Jun-2021 Volume 23, Issue 6,171-179
27.		Dr. Dhana Rangesh Kumar V,Dr.D. Pradeepa, Evaluation of Antioxidant, Antibacterial Activity and Phytoactive Compounds of Aqueous Extracts of <i>Garcinia gummi-gutta</i> fruit rind. International Journal of All Research Education and Scientific Methods, 2455-6211,Jun-2021,Volume 9, Issue 6,833-840
28.		Dr. Dhana Rangesh Kumar V, Dr. D. Pradeepa Phytochemical Profiles, In Vitro Antioxidant, Anti Inflammatory and Antibacterial Activities of Aqueous Extract of <i>Terminalia catappa</i> L. Leaves, Journal of Pharmaceutical Sciences and Research, Vol. 13, issue. 6, No. 1, pp. 340-346, June-2021, ISSN: 0975-1459, Vol. 13, issue. 6, No. 1, pp. 340-346, June-2021, ISSN: 0975-1459
29.		Dhana Rangesh Kumar V, Cardioprotective Effects of <i>Garcinia Indica</i> Fruit rind Extract

		and Garcinol in Isoprenaline Hydrochloride Induced Cardiotoxicity in Rats. Journal of Advanced Scientific Research.2021, (UGC Approved), Volume 12 (2) Suppl 2: July-2021.
30.		Dr. D. Pradeepa, In vitro antioxidant and anticancer activity of methanolic extract of Trachyspermum ammi seed on human oral cancer (KB) cell line. Journal of University of Shanghai for Science and Technology, ISSN: 1007-6735, Volume 23, Issue 7, July -2021
31.		Dr.K.Rajathi, Synthesis and Characterization of Starch based bioplastic using Plectranthus rotundifolius. International Journal of Research Publications and Reviews, Volume 2 (7), July 2021 P.No 459-465
32.		Dr. Rajathi.K, Synthesis and Characterization of Starch Based Bioplastic from Elephant Foot Yam and its Application in Medical Industry, Journal of Emerging Technologies and Innovative Research (JETIR) , ISSN; 2349-5162, July 2021, Vol 8(7) b-39-b47
33.		Dr. Rajathi.K, Synthesis and Characterization of Composite Bioplastic from Elephant Foot Yam. Journal of Emerging Technologies and Innovative Research (JETIR) , ISSN; 2349-5162, July 2021, Vol 8(7), 391-398
34.		Dr.T.Indhumathi, Inhibitory Mechanism of Solanum Xanthocarpum Fruit In MCF-7 Breast Cancer Cell Line. Journal of Emerging Technologies and Innovative Research (JETIR) , JETIR July 2021, Volume 8, Issue 7; ISSN-2349-5162
35.		Dr. D. Pradeepa, In vitro antioxidant and anticancer activity of methanolic extract of Trachyspermum ammi seed on human oral cancer (KB) cell line. Journal of University of Shanghai for Science and Technology, Vol. 23, issue. 7, pp. 426 - 436, July 2021, ISSN: 1007-6735
36.		Dr. D. Pradeepa & Dhana Rangesh Kumar V, Preparation and Evaluation of Antioxidant, Antimicrobial Activity of Seaweed (Kappaphycus alvarezii) based Herbal Hair Oil Formulation. Journal of University of Shanghai for Science and Technology, Vol. 23, issue. 8, pp. 314 - 325, August 2021, ISSN: 1007-6735
37.		Dr. D. Pradeepa & Dhana Rangesh Kumar V, Biosynthesis of Silver Nanoparticles using Anti-Microbial Peptides (AMP) from Litopenaeus vannamei (white leg shrimp) and Determining its Antibacterial Activity against Clinical pathogens. Strad Research, Vol. 8, issue. 9, pp. 335 - 343, September 2021, ISSN: 0039-2049
38.		Dr. D. Pradeepa & Dhana Rangesh Kumar V, Aflatoxin Detoxification Potential of Green Synthesized Silver Oxide Nanoparticles from Tabernaemontana divaricate Leaf Extract. Strad Research, Vol. 8, issue. 9, pp. 344- 352, September 2021, ISSN: 0039-2049
39.		Dhana Rangesh Kumar V & Dr. D. Pradeepa, Formulation and evaluation of a Polyherbal Syrup as a Immune Booster. Strad Research, Vol. 8, issue. 9, pp. 376 – 386, September-2021, ISSN: 0039-2049
40.		Dr. Gowri.S, Antimicrobial Activity of Tagetes (Marigold Flower) Hydroextract Infused

		Wet Wipes. International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC ,Value: 45.98; SJ Impact,Factor: 7.429 Volume 9 Issue X Oct 2021.
41.		Dr. Gowri.S, Formulation and evaluation of Polyherbal Soap: A review article, International journal for research in applied science and engineering technology, Volume 9, October 2021,ISSN No: 2321-9653
42.		Dr.S.Kathiravan, A study on in vitro antioxidant activity of aqueous seed extract of Sesbaniasesban (l) Merr. Kongunadu Research Journal, 2349-2694, 29.12.21, Vol8(2)
43.		Dr. D. Pradeepa and Dr. V. Dhana Ranges Kumar, Extraction, Characterization, Antimicrobial Activity Of Chitosan Extracted From Crab Shell And Preparation Of Chitosan-Based Bioplastic Film For Food Packaging, Journal of Advanced Scientific Research, Volume:13(1): 263-268, Feb-22,ISSN: 0976-9595
44.		Dr.Gowri, Purified Banana lectin ( Ban Lec) isolated from from the ripen pulp of Musa Paradisiaca induces apoptosis in cancer cell lines: in vitro study. Advances in Traditional Medicine, ISSN NO: 26624060, 26624052,Mar-22
45.		Muneeswaran.M., Gowri.S (December 2022)., Anticancer activity of cassia auriculata against Human Breast cancer MCF:7: An <i>invitro</i> and <i>Insilico</i> molecular Docking Approach, <i>Indian Journal of natural Sciences</i> . Vol.13,Issue 75,50155-50163.
46.		K.B.Leneey Green., K.Rajathi .,(February 2023), Understanding Human Autoimmune Diseases and its Serology tests using ELISA Technique, <i>World Journal of Pharmaceutical and Life Sciences</i> , Vol.10,Issue 2,157-163.
47.		K.Rajathi.,K.B.Leneey Green., (February 2023), Design and Implementation of Intelligent BioSensors,Personaldefence devices in smart watch for women and sexual harassment, <i>World Journal of Pharmaceutical and Life Sciences</i> . Vol.8,Issue.1,128-131
48.		Hariprasath.C.,Divyapriya.S.,DhanaRangeshKumar V., (April 2023) Physicochemical,Formulation andEvaluation ofAntifungalHealth soapUsing <i>CurCuma Amada Roxburghand Prunus Dulcis</i> . <i>Asian Journal of Pharmaceutical and Clinical Research</i> . Vol16,Issue4,2023 ,28-34. K.B.Leneey Green.,K.Rasika., K.Rajathi.,(2023).,Analysis of Calciferol and Elements in Aqueous extract of <i>MuntigiaCalabura</i> fruit using LC-MS/MS and ICPMS Techniques.Indo American Journal of Phamaceutical Sciences, Vol 10, issue 3, pp 290-293.
49.		Mrs.G.Lalitha ( April 2023)., Preparatory activities plant species on <i>Elaeagnus multiflora thunb</i> and <i>Elaeagnus confertarobx</i> – A REVIEW, High Technology Letters
50.		Ms.Lakshmiprabha and Dr.N.Kannikaparameswari (April 2023) Evaluation of invitro woundhealing Activity in the Ethanolic extract of <i>AristolochiaBracteolata</i> . <i>Science and Engineering Journal</i> ., Vol Volume II, Issue I, pp: 464-475.

51.	BT	Vishnu Balamurugan and G. Shankar, "Production of cellulase from sorghum substrate by filamentous fungi isolated from sorghum fields of Coimbatore north sub-district," International Journal of Research in Engineering, Science & Management, vol. 1, no. 8, Aug. 2018.
52.		Vishnu Balamurugan and GopishankarThirumoorthy, "Production of Cellulase by Filamentous Fungi with Sorghum as Substrates" International Journal of Research in Engineering, Science and Management Volume-1, Issue-8, August 2018.
53.		Vishnu Balamurugan, "invitro comparison of controlled and targeted drug delivery using niosomes and liposomes" International Journal of Advance Research and Innovative Ideas in Education August 2018, 4(4):1078-1085.
54.		Jagadesh R, "Synthesis, Stability, Anti-Microbial, Anti-Oxidant Property of Pronusdulcis Gum", International Journal of Innovative Research and Advanced Studies, Volume 5 Issue 11, November 2018.
55.		Kadhirmathiyan V, "Synthesis And Checking The Stability, Biosensing Ability, Anti-Oxidant Power And Anti-Microbial Property of Silver Nanoparticles (Green Synthesis)", International Journal of Inovative Research and Advanced Studies, Volume 5 Issue 12, December 2018.
56.		Vishnu Balamurugan, Sheerin Fatima.M.A, SreenithiVelurajan, "A guide to phytochemical analysis" International Journal of Advance Research and Innovative Ideas in Education January Volume-4 Issue-1 2019.
51.		Vishnu Balamurugan SreenithiVelurajan Subramani Comparison of Silver, Copper and Iron Nano particles from Leaf Extract of Azadirachta indica and its Anti-microbial, Bio sensing activity and toxicity International Journal of Innovative Research in Science, Engineering and Technology Vol. 8, Issue 5, May 2019
52.		Vishnu Balamurugan, SreenithiVelurajan phytochemical comparision of alcoholic extracts of Curcuma longa International Journal of Advance Research and Innovative Ideas in Education Volume 5(Issue 3):419-428.
53.		Vishnu Balamurugan , SreenithiVelurajan, Arun Palanisamy Phytochemical analysis of Alpinia officinarum and to test its Anti -oxidant, Anti-microbial, Anti-inflammatory and Anti -arthritic activity International Journal Of Advance Research And Innovative Ideas In Education 5(4):1125-1140.
54.		Vishnu Balamurugan , SreenithiVelurajan, Arun Palanisamy Phytochemical analysis of Alpinia officinarum and to test its Anti -oxidant, Anti-microbial, Anti-inflammatory and Anti -arthritic activity International Journal Of Advance Research And Innovative Ideas In Education 5(4):1125-1140.
55.		Vishnu Balamurugan Fundamentals of Phytochemical Analysis Publisher: Kindle direct

		publishing ISBN: 9781073044368
56.		Sandhiya . S, Sabarinath .K, Ishwarya .R, Logeshwaran .V, Kousalya.N, Arun P. Review on <i>Hemigraphiscolorata</i> and its Properties. International Journal of Engineering Applied Sciences and Technology, 2019, Vol. 4, Issue 7: 336-338. ISSN No. 2455-2143.
57.		Sabarinath.K, Sandhiya.S, Ishwarya.R, Logeshwaran.V, Kousalya.N, Arun P.A Review of <i>Tridax procumbens</i> and its Activity. International Journal of Engineering Applied Sciences and Technology, 2019, Vol. 4, Issue 8: 192-194. ISSN No. 2455-2143
58.		Kousalya.N, Ishwarya.R, Logeshwaran.V, Sabarinath.K, Sandhiya.S, Arun.P. A Review about Bioactive Compounds of Fenugreek ( <i>Trigonella foenum-graceum</i> ). International Journal of Engineering Applied Sciences and Technology, 2019. Vol. 4, Issue 7: 332-335. ISSN No. 2455-2143.
59.		Sandhiya . S, Sabarinath .K, Ishwarya .R, Logeshwaran .V, Kousalya.N, Arun P. Review on <i>Hemigraphiscolorata</i> and its Properties. International Journal of Engineering Applied Sciences and Technology, 2019, Vol. 4, Issue 7: 336-338. ISSN No. 2455-2143.
60.		Sabarinath.K, Sandhiya.S, Ishwarya.R, Logeshwaran.V, Kousalya.N, Arun P.A Review of <i>Tridax procumbens</i> and its Activity. International Journal of Engineering Applied Sciences and Technology, 2019, Vol. 4, Issue 8: 192-194. ISSN No. 2455-2143
61.		Kousalya.N, Ishwarya.R, Logeshwaran.V, Sabarinath.K, Sandhiya.S, Arun.P. A Review about Bioactive Compounds of Fenugreek ( <i>Trigonella foenum-graceum</i> ). International Journal of Engineering Applied Sciences and Technology, 2019. Vol. 4, Issue 7: 332-335. ISSN No. 2455-2143.
62.		Ishwarya.R, Kousalya.N, Logeshwaran.V, Sabarinath.K, Sandhiya.S ,Arun.P. A Review on <i>Vitex negundo</i> Linn. International Journal of Engineering Applied Sciences and Technology, 2019. Vol. 4, Issue 8:195-198. ISSN No. 2455-2143.
63.		S.DhanyaaS.AbinayaDeeshnaK.P.AthiraP.Arun. 2020. Therapeutic, Medicinal uses and food Applications of <i>Aloe barbadensis miller</i> . International Journal of Research in Engineering, Science and Management. 3(5): 283-285.
64.		DeeshnaK.P.AthiraS.DhanyaaS.AbinayaP.Arun. 2020. Microbial Remediation of Spilled Petroleum. International Journal of Research in Engineering, Science and Management. 3(4): 630-632.
65.		K.P.AthiraDeeshnaS.AbinayaS.DhanyaaP.Arun. 2020. Advance in Bio-printing Technology and Its Application- Review. SIRJ-MBT. 7(2): 1-18.
66.		G.S.Gayathiri R.D. Precilla Jennifer P.Arun. 2020. Bioprospecting Marine Microorganisms for the Production of Antibiotics and Its Future Perspectives. European Journal of Pharmaceutical and Medical Research. 7(6): 281-284.
67.		Gopi Shankar Thirumoorthy, OviyashriBalasubramaniam, PunithaKumaresan, Poongothai



	Muthusamy & Karthik Subramani, <i>Tetraselmis indica</i> Mediated Green Synthesis of Zinc Oxide (ZnO) Nanoparticles and Evaluating Its Antibacterial, Antioxidant, and Hemolytic Activity, <u>BioNanoScience</u> , volume 11, pages172–181(2021).
68.	RagulGurusamy, Ramya Suresh, Gopal Balasubramaniyan, AswathiSaravanaraj, SruthilayaSudhamohan and Karthik Subramani "ANTICOAGULANT ACTIVITY OF TRIDAX PROCUMBENS", IJRAR- International Journal of Reseach and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P-ISSN 2349-5138, Volume 7, Issue 2, Page no pp.346-356, June 2020.
69.	Dr. P. Chidambararajan, Food colorant from Anthocyanins of Brassica Oleraceavar.CaptiataF.Rubra. International Journalof All research education and scientific methods, volume 9, 130-137
70.	Dr. P. Chidambararajan, Economic and Medicinal Importance of Ulva sps. – An Overview. GIS Science Journal, volume 8, 105-116
71.	Dr. P. Chidambararajan, Medicinal important and pharmacological study of Phyllanthus maderaspatensis: Review. GIS Science Journal, volume 8, 1003-1015
72.	Dr. P. Chidambararajan, In-vitro cytotoxic activity of Nyctanthesarbortristis extracts in HeLa and L132 cell line. Lambert Academic Publishing,page no 64
73.	Dr. M. N. Kathiravan, Phytoremediation: A Research Note, Lambert Academic Publishing, Page No. 89
74.	Dr. M. N. Kathiravan, Biodegradation of Endosulfan—a Chlorinated Cyclodiene Pesticide by Indigenous Pseudomonas sp. MSCAS BT01. Applied Biochemistry and Biotechnology
75.	Dr. Arun. P, Comparative evaluation of trends and challenges faced by conventional and nanomaterial-based remedies for the treatment of type 1 diabetes. Journal of Emerging Technologies and Innovative Research, Volume 9, 410 - 421
76.	Dr. Radha Palaniswamy, Determination of Antioxidant, Antibacterial and Anticoagulant Activity of Artemesianilagirica Root and Stem. International Journal of Creative Research Thoughts, Volume 9, 1157-1168
77.	Dr. P. Deepak, Mycofabrication of AgONPs derived from Aspergillus terreus FC36AY1 and its potent antimicrobial, antioxidant, and anti-angiogenesis activities. Molecular Biology Reports, Volume 48, 7933-7946
78.	<b>BOOK:</b> Vishnu Balamurugan Fundamentals of Phytochemical Analysis Publisher: Kindle direct publishing ISBN: 9781073044368
79.	<b>BOOK CHAPTER</b> Dr. Poongothai. M, Ms. Ranjani Devi. M, Dr. Jagannathan S, Ms. Muneeswari. K, Ms. Thenmozhi. R, Mrs. Pushpanjali S (Ed), Handbook of Biotechnology, 1 <sup>st</sup> edition, AIB



		Saliha Publications, Tamil Nadu, India, 2020.
80.		Beulah Gracy Ravi, Jenet Johnson, Arun Palanisamy 2023, Algal pigments and its applications – a review, International Journal of Creative Research Thoughts, 11(3): 568-573.
81.		Jenet Johnson, Beulah Gracy Ravi, Arun Palanisamy2023, Review on the combined effect of <i>Tinosporacordifolia</i> and <i>Zingiberofficinale</i> in treatment of inflammation associated with Rheumatoid arthritis, 10(3): 265-269.
82.		Kiruba M and Shanmugavadivu M. 2023,Application of keratin-A review. Journal of Emerging Technologies and Innovative Research (JETIR). 10(4): 69-74.
83.		Anandhi K, Shanmugavadivu M. 2023,Formulation and Evaluation of Herbal AntiAcne Cream -A Review. International Journal of Enhanced Research in Science, Technology & Engineering. 3(12): 106-110
84.		Ashwini Subramani and Shanmugavadivu Muthusamy. 2023, Production ofVinegar From Fruit Pulp and Peels – A Review. International Journal ofNovel Research and Development. 3(8): 10-12.
85.		Shanmugavadivu Muthusamy. 2022, Anticancer activity of Silver Nanoparticles synthesized using <i>Citrusreticulata</i> fruit peel Aqueous Extract. International Journal of Research and Analytical Reviews (IJRAR). 9(3): 786-791.
86.		Gowtham. G and Radha Palaniswamy 2023, Effects of <i>Zanthoxylum</i> plants against the bacteria causing dental carries – review, International Journal of Research and Analytical reviews, 10(1): 480-487.
87.		Anusha Mary Anthony, Radha Palaniswamy 2023, Invitro culture of plants under different conditions, International Journal of All Research Education and Scientific Methods, 11(1): 377-381.
88.		Meena. V, Palaniswamy, R 2023, Formulation and Evaluation of antidandruff herbal shampoo, International Journal of Enhanced Research in Science, Technology and Engineering, 12(1),: 17-25.
89		Sneha Sivadasan, Nandhitha Krishnakumar and Dr. Radha Palaniswamy 2023, General attributes of Biopesticides: a review, Journal of Emerging Technologies and Innovative Research, 10(1): 162-165.
90.		Harsini Venkatachalam, Chidambara Rajan Parameswaran and Radha Palaniswamy, 2022, Formulation and evaluation of herbal lipstick from pigment of <i>Nyctanthes arbor-tristis</i> , Indian Journal of Natural Products and Resources, 13(4): 574-578.
91		Dr.M.N.Kathiravan, Mr. M. Mohammed Sahinsa, Dr. P. Chidambara Rajan and Dr. K. Arungandhi, A text Book of Bio Materials and Artificial Organs, RK Publications ISBN:9788196213350 ( <b>Book</b> )

92.		Dr.RadhaPalaniswamy has filed a patent in the topic entitled “Synthesis of Emulgel from <i>Euphorbia hirta</i> and <i>Coccinia grandis</i> leaves” Application No- 202341003608
93.		Dr.RadhaPalaniswamy has filed a patent in the topic entitled “Development of polyvinyl alcohol film incorporated with <i>Tridax procumbens</i> leaf extract for food packaging application”. Application No-202341010286.
94.		Dr.M.Poongothai has filed a patent in the topic entitled “Optimization of Temperature for Extraction of Protease from Coconut Shells ( <i>Cocos nucifera</i> ) and its application in food industry” Application No-202341015883.
95.		Dr.M.Poongothai has filed a patent in the topic entitled “Bio-plastic production from peduncle and peel of <i>Musa paradisiaca</i> – An eco friendly approach”. Application No- 202341015884.
96.	<b>MB</b>	B.Sindhuja J.Rengaramanujam S. S. Sudha J.Devakumar. 2019. In vitro Antibacterial and Cytotoxicity Evaluation of Aloe vera Associated Endophytic Fungi. International Journal of Pharmacy and Biological Sciences. 9(3):750-757.
97.		A.M. Ramachandran, Kiruthika Balasubramani, S.Nivetha R.Piruthika. 2019. Dye Degrading Microbial Isolates From Textile Soil - A Monograph. International Journal of Pharmacy and Biological Sciences. 9(3):599-604.
98.		S.Senthil Prabhu J.Renga Ramanujam S.S.Sudha. 2019. Antibacterial Activity of Silver Nanoparticles Synthesized by Using Lichens <i>Heterodermiaboryi</i> and <i>Parmotrema stipitem</i> . International Journal of Pharmacy and Biological Sciences. 9(2):1397-1402.
99.		C. Sasikala, D. Geetharamani, Evetha. 2020 Extraction of Pigment from Pomegranate ( <i>Punica granatum</i> ) Flower Used for Various Applications International Journal of Scientific Development and Research E ISSN No.2230-7605 Vol 10 Issue 1
100.		C. Sasikala, D. Geetharamani, Mynumathi Maragatham 2020. Designing Media from Domestic Waste to Enhance Growth of <i>Chlorococcum humicola</i> and Its Application on Mosquito Control. ISSN No. 2455-2631 Date 2020/5, Vol 5 Issue 5
101.		C. Sasikala, D. Geetharamani, Swathi 2020. In vitro screening of Anticandidal activity of microalgae <i>Disporacuneiformis</i> ISSN No. 2455-2631, Volume 5 Issue 6, 2020.
102.		C. Sasikala, D. Geetharamani, M Mynumathi 2020. Bioremediation of dairy effluent and mass production of algal biofertilizer. ISSN No. 2455-2631 Date 2020/6, Vol 5 Issue 6.
103.		S. Karthik Sundaram 2020. Bioremediation of Preprocessed Plastic Wastes Through Microbial Consortium. Journal of Advanced Scientific Research ISSN: 0976-9595; 11(4), 106-113
104.		S. S. Sudha, Devakumar Joseph, Maduri Nagarajan, Sindhuja Baskaran 2020. Synthesis and Characterization of Silver Nanoparticle from <i>Couroupita Guianensis</i> Leaf Extract and

		its Effect on Clinical Pathogens. Asian Journal of Pharmaceutical and Clinical Research- ISSN- 0974-2441 Vol 13, Issue 10, Aug 2020
105.		Mahenthiran R, Sudharsan K, Sornambiga Ravi, Archana S. Nair, Vishnu Priyanka K, Poovendiran P.2020. Preparation and characterization of antigens against isolated <i>Shigella spp</i> from infected stool samples. World Journal of Pharmaceutical Research (WJPR) Manuscript no:WJPR/20029/10/2021
106.		R. Mahenthiran, Sornambiga Ravi, Sri Alamelu.K.V. 2020. Generation, Purification and Characterization of Chicken Egg Yolk Antibodies (IgY) against Lipase Enzyme. International journal of research and analytical reviews(IJRAR)Manuscript no: IJRAR_231899. March 2021, Volume 8, Issue 1 (E-ISSN 2348-1269, P- ISSN 2349-5138).
107.		Mahenthiran R, Sri Alamelu K.V, Sornambiga Ravi.2020. To evaluate the anti-microbial efficiency of Chlorohexidine, nisin, chitosan, and IgY antibodies against <i>enterococcus faecalis</i> , and <i>candida albicans</i> . World Journal of Pharmaceutical Research (WJPR) Manuscript no:WJPR/20237/10/2021. Volume 10, Issue 4, 1972-1986. (ISSN 2277– 7105)
108.		R. Mahenthiran, Sornambiga Ravi, Sri Alamelu. K. V.2020. Production of oral IgY Antibody-A novel immunotherapy against <i>Clostridium difficile</i> . International Journal of Trend in Scientific Research and Development (IJTSRD)Manuscript no: IJTSRD39892. Volume 5 Issue 3, March-April 2021(e-ISSN: 2456 – 6470)
109.		R. Mahenthiran, Sornambiga Ravi, Sri Alamelu. K. V.2020. Generation and characterization of chicken egg yolk antibodies against common pathogens like canine parvovirus, canine coronavirus and salmonella. International Journal of Creative Research Thoughts (IJCRT) Manuscript no:IJCRT_205018. Volume 9, Issue 3 March 2021(ISSN: 2320-2882).
110.		Mahenthiran R, Sri Alamelu K.V, Sornambiga Ravi.2020. Generation and Characterization of Chicken Egg Yolk Antibodies (IgY) against <i>Helicobacter pylori</i> and Testing its Potential by In Vitro Method for Therapeutic Use. Pensee International Journal (PIJ) Volume 51, issue 4 2021(ISSN: 0031-4773)
111.		S. Karthik Sundaram, Production of biodiesel based on the bioremediative potential of algae on industrial effluent. International Journal of Scientific Development and Research Volume 6 (6) 133-144, 15/06/2021
112.		Dr. A.M. Ramachandran, Green synthesis of silver nanoparticles using Zingiber officinale rhizome extract and its application on diabetic ulcer. International journal of creative research thoughts Volume 9(7), 584-591, 26/07/2021
113.		Dr. J. Devakumar, Development of Fungal Consortium to Degrade the Polyethylene Polymer and Polystyrene. International journal of progressive research in science and engineering, Volume 2(7), 38-46, 10/07/2021

114.	Dr.R.Mahenthiran ,Assay of Antigen Preparation for Production of Antibody against Bacterial and Fungal spp. Aegaeum journal Volume 9, Issue 6, 145-157
115.	Dr.R.Mahenthiran, Analysis of genetic variants and mutations of the novel coronavirus SARS-CoV-2. World journal of pharmacy and pharmaceutical sciences, Volume 10, Issue 8, 876-896,13/07/2021
116.	Dr.R.Mahenthiran, Antibacterial activity of sweet orange (Citrus sinensis) on Staphylococcus aureus and Escherichia coli isolate from wound infections. Journal of Emerging Technologies and Innovative Research (JETIR), Volume 8, Issue 7, 640-644
117.	Dr. S. Senthil prabhu, Covid-19 associated mucormycosis and candidiasis in india and herbal medicine treatment for fungal infections: a review. International journal of creative research thoughts (IJCRT) Volume 9, Issue 7, 49-57,15/07/2021
118.	Dr. S. Senthil prabhu, Biosynthesis and Characterization of silver nanoparticles by Fusarium sp. and it's antimicrobial and antioxidant activity. International Journal of Scientific Development and Research (IJS DR), VOLUME 5 ISSUE 9, 9/1/2020
119.	Dr.A.M.Ramachandran, Evaluation of microbial load on combs in various places within the tirupur district, tamilnadu, and sensitivity pattern of disinfectants. International journal of creative research thoughts, Volume 9 and 8, 774-786, 8/10/2021
120.	Dr.A.M.Ramachandran, Antibacterial and phytochemical analysis of Capsicum annum (chili pepper BSS-859 F1 Hybrid) against foodborne pathogens. International journal of creative research thoughts, Volume 9 and 8, 816-822, 8/11/2021
121.	Dr.A.M.Ramachandran, Construction of simplified microbial consortium from gold ornaments and their sensitivity against disinfectants. International journal of creative research thoughts, Volume 9 and 8, 425-434, 8/12/2021
122.	Dr.A.M.Ramachandran, Hydrogel formulation from calotropis gigantea plant extract against foot ulcer causing bacteria in diabetes. Asian Journal of Pharmaceutical and Clinical Research Vol 14, Issue 11, 9442747764, 9/29/2021
123.	Sasikala C and Dr. D. Geetharamani, Antibacterial activity of Janiarubens from Gulf of Mannar, south coast of India. Indian journal of natural product resources, Volume 12(3), 451-458, 11/11/2021
124.	Sasikala C, Characterisation and formulation of cosmetic product from the seaweed Eucheuma Spinosum. International Journal of Creative Research Thoughts, Volume 9(8), 196-210, 8/1/2021
125.	Sasikala C, Fermentation of amla juice by probiotic lactic acid bacteria. International Journal of Creative Research Thoughts, Volume 9(8), 167-172, 8/1/2021
125.	Dr. S. Senthil Prabhu, Hydrogel formulation from Calotropis gigantea plant extract against foot ulcer causing bacteria in diabetes. Asian Journal of Pharmaceutical and Clinical

	Reserach, Volume 14 (11), 1-4, 11/1/2021
126.	Sasikala C, Antibacterial and phytochemical analysis of Cinnamon bark ( <i>Cinnamomum zeylanicum</i> ) extract against clinical pathogens. International Journal of Pharmaceutical Research and Applications, Volume 6(6), 306-310, 11/27/2021
127.	Dr.S.S.Sudha, Microbiome and Microbiota – An Influencer Early in the Life. Journal of Pharmacy and Biological Sciences, Volume 16, Issue 4 Ser. I, 26-31, 7/12/2021
128.	Sasikala C, Microalgal Diversity – Review. International Journal of Research and Analytical Reviews, Volume 9 issue 1, 900-912, 1/29/2022
129.	Sasikala C, Macroalgal Diversity. International Journal of Research and Analytical Reviews, Volume 9 & issue 1, 832-840, 1/29/2022
130.	Sasikala C & Dr Geetharamani D, Isolation and Characterization of Principle Bioactive Compounds from <i>Ulva fasciata</i> . Indo Global Journal of Pharmaceutical Sciences, Volume 12, 134-140, 2/4/2022
131.	<b>BOOK:</b> Dr S S Sudha and Dr J Devakumar, General properties and pharmacological benefits of <i>Syzygiumjambos</i> , 978-81-951323-7-9, 12/16/2021, Advances in Pharmaceutical Sciences.
132.	<b>BOOK:</b> Dr. J. Rengaramanujam, Pharmacological benefits of <i>Eleutherococcussenticosus</i> , 978-81-951323-7-9, 9/6/2021, JPS publishers.
133.	Patent Published: Clay Soil Stabilization using MICP Technique by Inducing Microbes and Bacteria in Treating it Dr. S. Senthil Prabhu
134.	Kiruthika B, Senthil Prabhu S, and Sathish Kumar R, 2022. In Silico Screening of Potential Drug(Phytochemicals) Against Interleukin-6 The Key Protein Involved in Metastasis, Indo Amer.J. of Pharma, Sci., 9(10), 69-72.
135.	Kasiviswanath .B, Senthil Prabhu .S, Dinesh Kumar .S and Sathishkumar. R. 2022. In silico Screening of Lichen Compounds against SARS-COV-2 RdRp Complex . Indian J. Natu. Sci., 13 (72), 41988- 41993. ISSN: 0976 – 0997.
136.	Sasikala, Nandhini M, Karthicraj C, 2022, Cultivation Of Oyster Mushroom- <i>Pleurotus Ostreatus</i> Using Fruit Peel Journal of Emerging echnologies and Innovative Research (JETIR) 9(9), 2349-5162
137.	Marimuthu E. Pavithra, Rengaramanujam Jayaraman, Raja S. Azarudeen, Marimuthu Thirumarimurugan , Casting hydrophilic polymers blended polycaprolactone membranes for drug delivery to eradicate the cancer cells and pathogenic microorganisms, Polymer advanced Tehnologies, 15-12-22, 1-14
138.	Patent Published: Clay Soil Stabilization using MICP Technique by Inducing Microbes and Bacteria in Treating it Dr. S. Senthil Prabhu

139.	Rama T.C. and *Ramachandran A. M, 2022, Topical Gel Formulation From Cassia Auriculata Flower And Aloe Vera Leaf Extract Against Skin Infection Causing Bacteria And Staphylococcus Aureus Caused Wound Scar, World Journal of Pharmaceutical and Life Sciences , Vol. 8, Issue 11, 2454-2229
140.	S. Karthik Sundaram1* , Anagha S Nair1 , K. Kongarasi2 , K. Beesha2 , C. Ajitha3, 2023, Iron oxide nanoparticles and agricultural wastes used in enhancing the bioremediation and clarification procedures in textile effluent treatment, Sustainability, Agri, Food and Environmental Research, 11(X),0719-3726.
141.	Rajesh kumar , Dr.Karthiksundaram S , Karthickraj CK , 2022, Biological Hydrogen Production By Bacteria Using Pineapple Peel, Journal of Emerging Technologies and Innovative Research, 9(9), 2349-5162
142.	Karthicraj C K , Dr.Karthiksundaram S , Rajeshkumar R , Nandhini M, 2022, Production Of Bio Ethanol From – Pineapple Peel And Determination Of Effective Hydrolysis Method, Journal of Emerging Technologies and Innovative Research, 9(9), 2349-5162
143.	M. Nivethitha*, P. Keerthana, K. Bharani priya, S. Monalisha, M. Sanjula and S. Kowsalya,2023, Formulation Of Handsanitizer Using GlycyrrhizaGlabra With Aloe Vera And Castor Oil Against Skin Pathogens, World Journal Of Pharmacy And Pharmaceutical Sciences, 12(2), 2278 – 4357.
144.	K. Bharathi bai, S. S. Sudha,2022, Purification And Characterization Of AntiBacterial Bacteriocin IsolatedFrom Hospital Acquired Multi Drug Resistant Staphylococcus aureus, Uttar Pradesh Journal Of Zoology, 0256-971X
145.	Rama T.C. and *Ramachandran A. M, 2022, Topical Gel Formulation From Cassia Auriculata Flower And Aloe Vera Leaf Extract Against Skin Infection Causing Bacteria And Staphylococcus Aureus Caused Wound Scar, World Journal of Pharmaceutical and Life Sciences , Vol. 8, Issue 11, 2454-2229
146.	S. Karthik Sundaram1* , Anagha S Nair1 , K. Kongarasi2 , K. Beesha2 , C. Ajitha3, 2023, Iron oxide nanoparticles and agricultural wastes used in enhancing the bioremediation and clarification procedures in textile effluent treatment, Sustainability, Agri, Food and Environmental Research, 11(X),0719-3726.
147.	Rajesh kumar , Dr.Karthiksundaram S , Karthickraj CK , 2022, Biological Hydrogen Production By Bacteria Using Pineapple Peel, Journal of Emerging Technologies and Innovative Research, 9(9), 2349-5162
148.	Karthicraj C K , Dr.Karthiksundaram S , Rajeshkumar R , Nandhini M, 2022, Production Of Bio Ethanol From – Pineapple Peel And Determination Of Effective Hydrolysis Method, Journal of Emerging Technologies and Innovative Research, 9(9), 2349-5162



149.		M. Nivethitha*, P. Keerthana, K. Bharani priya, S. Monalisha, M. Sanjula and S. Kowsalya,2023, Formulation Of Handsanitizer Using GlycyrrhizaGlabra With Aloe Vera And Castor Oil Against Skin Pathogens, World Journal Of Pharmacy And Pharmaceutical Sciences, 12(2), 2278 – 4357.
150.		K. Bharathi bai, S. S. Sudha, 2022, In vivo Assessment of Toxicity and Histopathological studies of bacteriocin in Wister albino rats, IOSR Journal of Pharmacy and Biological Sciences, 17(6), 112-115
151.		VikramanKalidoss, GayathiriGovindharaju, Sudha S.S, Senthilkumar P, Shanmuga Priya V, Human Milk Oligosaccharides an Inevitable supplement for Newborns,Journal of Pharmacy and Biological Sciences, 8(1)- 413-419
<b>Food Science and Nutrition</b>		
152.	<b>2021-22</b>	Dr.D.Sridevi (2021), Assessment of Knowledge and Practice of Menstrual Hygiene Among Adolescent Girls of Tamil Nadu State India Biosc.Biotech.Res.Comm. Vol 14 No (1) Jan-Feb-March 2021 Pp 416-423
153.		Dr.S.Umamaheswari(2021) Product development and sensory evaluation of value added idli in Virtual International conference organised by Manavarachna Institute of Research and studies,FARIDABAD,HARYANA on 18 and 19 th June,2021
154.	<b>2022-23</b>	Organoleptic evaluation and assessment of glycemic index of formulated low GI mix and recipes for type II diabetes - International Journal of Food Science and Nutrition
155.		Evaluation Of Sensory, Physical And Physio-Chemical Analysis Of High Fibre Roasted Multi Mix Formulated Pasta - DogoRangsang Research Journal
156.		Formulation Of Low Glycemic Index, High Fiber Enriched Pasta By Using Locally Available Product Millet, Cereal And Pulse Mix For Type II Diabetes - IJCRT
157.		Plastic Usage of the selected Women with Cancer respondents; A cross sectional study - International Journal For Innovative Research In Multidisciplinary Field
158.		Nutrient composition, antioxidant activity and phytonutrient of yogurt incorporated with watermelon fruit pulp and its extract - Journal of Advanced Applied Scientific Research
159.		Formulation And Development Of Black Night Shade - Journal of Emerging Technologies and Innovative Research
160.		A Study on Elephant Foot Yam Incorporated Sausage - A Potential Protein Analogue- Journal of Emerging Technologies and Innovative Research
161.		Formulation And Evaluation Frozen Fish Nuggets Incorporated With Lemon Grass And Rosemary - IJCRT



162.		Effect Of Water Quality And Composition On The Brewing Process Of Beer And Its Flavour Profile Via Lean Manufacturing Integration - International journal of Mechanical and Production engineering
163.		Formulation and standardization of quinoa millet pan cake mix incorporated with cucurbita Maxima - IJCRT
164.		A Pre And Post Survey to Determine Knowledge On Obesity And Overweight Among It Employees - IJCRT
165.		Formulation and Development of Mock Meat Using Tofu And Yam –IJCRT
166.		A Prevalance Study About Dysmennorhea And Pre-Menstrual Syndrome Among School Going Adolescent Girls – IJCRT
167.		<b>Patent published - Formulation of Soup strips using pam vegan soup mix Number: 202241068599A</b>

### 9 (10) Training received by (A) faculty -314

S. No.	Academic Year	Faculty Name	Date	Title	Name & address of the Institute
<b>Biochemistry</b>					
1.	<b>2018-19</b>	Dr.S.Gowri	28.09.2018 - 29.09.2018	Two days workshop on “Computational methods in Drug Discovery”	Department of Pharmacology, JSS College of Pharmacy, Ooty.
2.		Dr.D.Pradeepa	07.01.2019 - 11.01. 2019	Workshop on “In Silico Molecular Modeling and Drug designing”	Bioinformatics Centre and ARIS Cell, Madras Veterinary College Chennai
3.		Dr.V.DhanaRangesh Kumar	06.02.2019 - 08.02. 2019	UGC & DBT Sponsored National Seminar cum Workshop on “Genomics and Proteomics-2019”	Bioinformatics Infrastructure Facility & Dept. of Biotechnology Alagappa University Karaikudi
4.		Dr. N.Kannikaparameswari	12.02.2019- 13.02.2019	Hands on Training on “Cell Culture Techniques”	The South Indian Textile Research Association Coimbatore
5.		Dr. T. Indhumathi &	15.02.2019 - 16.02. 2019	National Workshop on “Western Blotting Technique”	Dept. of Biochemistry PSG College of Arts and

		Dr. K. Rajathi			Science, Coimbatore
6.		Dr. C. Venkatesan	15.02.2019-17.02. 2019	Hands on Training on “Stem Cell Culture and Flow Cytometry”	Stellixir Biotech Pvt. Ltd., Bangalore
7.		Dr.V.Usha	06.03.2019	Three days workshop on Enablers of E-Teaching and E-Learning	Department of Business Administration, School of commerce, Avinashilingam Institute for Homescience and Higher Education for Women, Coimbatore.
8.		Dr. V.DhanaRangesh Kumar	06.09.2019	One day Training Program on Dairy Products	Kodai Dairy Products(P) Ltd, Kodaikanal
9.		Dr.S.Balasubramanian	09.09.2019	Workshop on Funding Opportunities for Innovation and Entrepreneurship Development	IIC UnoM, TOCIC,DSIR, Government of India, RMK Engineering College Tamilnadu
10.		Dr. S. Gowri	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College
11.		Dr. V.Usha	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College
12.		Dr.N.Kannikaparameswari	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College
13.	<b>2019-20</b>	Dr.T.Indhumathi	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College

14.	Dr.K.Rajathi	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College
15.	Dr.D.Pradeepa	21.09.2019	Workshop on Rural Immersion – Community Engagement	Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College
16.	Dr.C.Venkatesan	01.10.2019	Workshop on Techniques on Oyster Mushroom Production	Department of Plant Pathology,TNAU
17.	Dr. Dhana Ranges Kumar V	29.11.2019 to 30.11.2019	Two days state level workshop on Research Methodology and Data Analysis	Department of Biochemistry, Sreenarayana Guru College, Coimbatore -105
18.	Dr.S.Gowri	28.01.2020 to 29.01.2020	A two day state level workshop on Intellectual Property Rights(IPR)	IPR cell & IQAC PSG College of Arts and Science
19.	Dr.N.Kannikaparameswari	14.02.2020	Workshop on Chemical Analysis in FTIR & AAS	Department of Chemistry, Kongunadu Arts and Science College
20.	Dr.D.Pradeepa	14.02.2020	Workshop on Chemical Analysis in FTIR & AAS	Department of Chemistry, Kongunadu Arts and Science College
21.	Dr.S.Kathiravan	14.02.2020 to 15.02.2020	BIRAC Sensitization Workshop on Grant Writing,Intellectual Property and Technology Management in Life Sciences	BITS Pilani K K Birla Goa Campus
22.	Dr.T.Indhumathi	18.02.2020 to 19.02.2020	Workshop on Applied Bioinformatics-Techniques,Tools and Tasks	Department of Marine Biotechnology School of Marine Science Bharathidasan University Tiruchirapalli
23.	Dr.K.Rajathi	18.02.2020 to	Workshop on Applied	Department of Marine

			19.02.2020	Bioinformatics-Techniques,Tools and Tasks	Biotechnology School of Marine Science, Bharathidasan University, Tiruchirapalli
24.		Dr.S.Gowri	June- August 2020	CSIR Summer Research Training Programme (online)	CSIR-North East Institute of Science and Technology, Jorhat.
25.		Dr.K.Rajathi	June- August 2020	CSIR Summer Research Training Programme (online)	CSIR –Indian Institute of Toxicology Research, Lucknow
26.		Dr.T.Indhumathi Dr.K.Rajathi	01.06.2020	International Webinar on Functional Nanomaterials in Biomedical Field	St.Pious X Degree &PG College for Women, Hyderabad
27.		Dr.K.Rajathi	02.06.2020-04.06.2020	International Webinar Conference on Facts and Perspectives on Integrative Biology	Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore
28.		Dr.K.Rajathi	04.06.2020-05.06.2020	International Webinar Series FDP “Contemporary and Advanced Research in Life Science”	Department of Microbiology, Karpagam Academy of Higher Education, Coimbatore
29.		Dr.T.Indhumathi	05.06.2020	Online Quiz on “Time for Nature 2020”	Vivekananda Arts and Science College for Women, Salem.
30.		Dr.S.Gowri	13.06.2020	National Webinar on Biologically active mudflats	Chennai science colloquium
31.		Dr.S.Gowri	24.06.2020	National Webinar on Start up inventing post covid: what would the last man standing do?	Crescent innovation and incubation council
32.		Dr.S.Gowri	15.06.2020-19.06.2020	FDP on Active learning and advanced scientific computing methods	Department of Physics, Loyola college
33.		Dr.S.Gowri	26.06.2020-27.06.2020	Online city camp on essentials of scientific Entrepreneurship	Venture centre, Pune in Collaboration with PSG-STEP

34.	2020-21	Dr.K.Rajathi	26.06.2020-02.07.2020	A Seven-Day International Workshop on Reinforcement of Quality Education	Internal Quality Assurance Cell (IQAC) of Vellalar College for Women (Autonomous), Erode
35.		Dr.S.Kathiravan	27.06.2020	International Webinar on Bundle of Tools for online teaching	Sri Ramakrishna Mission Vidhyalaya College of education
36.		Dr.K.Rajathi	03.07.2020	Webinar on Molecular Diagnostics Of Infectious Diseases – An Introduction	Department of Zoology, Michael Job College Of Arts And Science For Women
37.		Dr.K.Rajathi	12.07.2020-19.07.2020	Online Awareness Pledge on Covid-19	KPR Institute of Engineering and Technology
38.		Dr.K.Rajathi	18.07.2020	Webinar Session X- Fragile Chromosome In Human	Department of Zoology, Michael Job College Of Arts And Science For Women
39.		Dr.K.Rajathi	29.07.2020	International Webinar Therapeutic applications of Plant Based Inorganic nanoparticles: Current status and Future Perspectives	Department of Zoology, Chikkaiah Naicker College, Erode
40.		Dr.K.Rajathi	03.08.2020-08.08.2020	One Week International FDP on Leadership Strategies Post Covid-19 Environment	Department of Management Studies, Tagore Engineering College, Chennai
41.		Dr.S.Gowri Dr.S.Balasubramanian DR.V.Usha Dr.N.Kannikaparameswari Dr.T.Indhumathi Dr.K.Rajathi Dr. D. Pradeepa	10.08.2020 to 15.08.2020	Certificate course on “Digital Teaching Techniques”	ICT Academy

	Dr.S.Kathiravan Dr. V.DhanaRangesh Kumar			
42.	Dr. V.DhanaRangesh Kumar	16.08.2020	Workshop on Cancer Prediction using Machine Learning	Wisecorner Laboratories Pvt Ltd & Crescent Innovation & Incubation Council(CIIC),Chennai
43.	Dr. V.DhanaRangesh Kumar	24.08.2020	FDP on Steps To Organize Manuscript For Publication In Peer-Reviewed Journals	Department of Physics, Vellalar College for Women (Autonomous), Erode-12
44.	Dr.T.Indhumathi	01.09.2020 to 07.09.2020	Seven Days International Virtual Faculty Development Programme on “Smart Technologies for Drug Design, Energy and Environment(IFSED)-2020	Department of Science and Humanities (Chemistry), Kumaraguru College of Technology, Coimbatore.
45.	Dr.K.Rajathi	04.09.2020-05.09.2020	Two days FDP on Updates and Upgrades in Education and Research	PG and Research Department of Biochemistry, Sacred Heart College, Vellore
46.	Dr. V. Usha	24.09.2020	Online workshop on Rural Entrepreneurship Development (RED) Action Plan	Mahatma Gandhi National Council of Rural Education, Hyderabad.
47.	Dr.T.Indhumathi	02.10.2020 & 03.10.2020	Science Academies Sponsored Two Days Virtual Workshop on “Life science Technologies for Promotion of Scientific Research and Development”	Department of Zoology, PSGR Krishnammal College for Women, Coimbatore
48.	Dr.K.Rajathi	12.10.2020-16.10.2020	One Week short Term Course on Advanced Energy Materials	Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
49.	Dr.N.Kannikaparameswari	06.07.2020-12.07.2020	One Week online FDP Being Super Teacher	Bannari Amman Institute of Technology
50.	Dr.S.Balasubramanian	05.09.2020	Special Webinar “Future of Higher Education Under the New National	ASFASM and PWC.

			Education Policy -2020	
51.	Dr.S.Balasubramanian	15.10.2020	Webinar on Response of the DBT Autonomous Institutes to Covid 19(Part-III)	India Alliance
52.	Dr.S.Balasubramanian	10.09.2020	Webinar on Response of the DBT Autonomous Institutes to Covid 19(Part-II)	India Alliance
53.	Dr.S.Balasubramanian	04.09.2020	Webinar on A Platform for First Generation Entrepreneurs	Crescent Innovation and Incubation Cell
54.	Dr.S.Balasubramanian	22.07.2020	Webinar on “Entrepreneurship and IPR”	Department of Electronics & Communication Engineering and Entrepreneurship Development Cell, Mahendra Institute of Technology
55.	Dr.S.Balasubramanian	27.07.2020-31.07.2020	Online FDP on Industry 4.0 Technologies for Non-Computing Disciplines	Department of Computer Science, Bharathiar University, Coimbatore-46.
56.	Dr.S.Balasubramanian	03.08.2020	Webinar Series on Innovation to Startup	IIC, Kumaraguru College of Technology
57.	Dr.S.Balasubramanian	04.08.2020	Webinar Series on Innovation to Startup session titled “IPR and Patent Filing”	IIC, Kumaraguru College of Technology
58.	Dr.S.Balasubramanian	13.06.2020	Leadership Talk with Shri F Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment)	FMHRD's Innovation Cell
59.	Dr.S.Balasubramanian	11.08.2020	Webinar Opportunities In Cognitive Neuro-Medicine: A Cell To Society Continuum	Mizoram University
60.	Dr.S.Balasubramanian	13.08.2020	International Webinar on	Mizoram University



		ian		'Mahatma Gandhi's Conception of the Power of Non-violence in the Light of Patanjali's Yoga-sutra,	
61.		Dr.S.Balasubramanian	14.07.2020	Online webinar on "Challenges and Opportunities in Startup and Innovation" organized	Department of Electrical and Electronics Engineering of Mahendra Institute of Technology
62.		Dr.S.Balasubramanian	03.10.2020	Panel Discussion on Autonomy	Mastersoft ERP Solutions Pvt Ltd
63.		Dr.S.Balasubramanian	16.08.2020	Virtual workshop of "Cancer Prediction using Machine Learning"	Wisecorner Laboratories Pvt Ltd & Crescent Innovation & Incubation Council (CIIC), Chennai
64.		Dr.N.Kannikaparameshwari, Dr.T.Indhumathi, Dr.K.Rajathi and Dr.D.Pradeeepa	March 24 & 25, 2021.	the webinar entitled "DISEASE DIAGNOSIS AND THERAPEUTICS"	Department of Microbiology and Biotechnology, Bharathiar University, Coimbatore
65.		Dr.K.Rajathi	01.02.2021 - 05.02.2021	FDP on "Artificial Intelligence"	AICTE Training and Learning (ATAL) Academy
66.		Dr.K.Rajathi	14.12.2020-18.12.2020	FDP on "Synthetic Biology"	AICTE Training and Learning (ATAL) Academy
67.		Dr.S.Gowri	18-02-2022	program under National Intellectual property mission	Intellectual property office India
68.	2021-22	Dr.S.Gowri	7-02-2022	Celebration of Science Festival (Vigyan Utsav) as a part of Celebration of 75th Year of Independence (Azadi ka Amrit Mahotsav) under the theme of "Science Communication & Popularisation"	DST and TNSCST

69.	Dr.S.Gowri	01-02-2022	CSIR sponsored on day national level seminar on Nanomaterials for Bioimplants	Dr.N.G.P Institute of Engineering and Technology
70.	Dr.K.Rajathi Dr. D. Pradeepa Mrs.S.Divyapriya	24-01-22 -29 01-22	Five Day IQAC FDP Series-2022	Internal Quality Assurance cell of Sankara college of science and Commerce
71.	Dr. D. Pradeepa	25-01-2022	FDP series on Research & IPR on "Prior Art Research"	IQAC Collaboration with CII & TDPC, Shri Shankarlal Sundarbai Shastri Jain College for Women Chennai
72.	Dr. D. Pradeepa	24-01-2022	FDP series on Research & IPR on "Awareness Talk on IPR"	IQAC Collaboration with CII & TDPC, Shri Shankarlal Sundarbai Shastri Jain College for Women Chennai
73.	Mrs.S.Divyapriya	24-01-2022	Awareness Talk on IPR	IQAC with Confederation of Indian Industry (CII) & Tamil Nadu Technology Development & Promotion Center (TDPC)
74.	Dr. D. Pradeepa	12-01-2022	Webinar on "Intellectual Property management strategies for Start-ups" conducted during Celebration of Innovation Week	Patent Information Centre Tamil Nadu State Council for Science and Technology, Chennai in collaboration with Cell for IPR Promotion and Management, New Delhi.
75.	Dr.K.Rajathi	12-01-2022	"Intellectual Property management strategies for Start- ups"	Patent Information Centre Tamil Nadu State council for science and Technology, Chennai in collaboration with cell for IPR

76.	Mrs.S.Divyapriya	09-01-22- 11-01-22	"International Conference on Emerging Trends in Biological Sciences (ICETBS 2022)"	Department of Biological Sciences, P. D. Patel Institute of Applied Sciences
77.	Mrs.S.Divyapriya	07-01-22 -08 01-22	IP-MAXIMA 2021 workshop	Innovative Technology Enabling Center (InTEC), CSIR-Institute of Mineral and Materials Technology Bhubaneswar
78.	Dr. D. Pradeepa Mrs.S.Divyapriya	06-01-2022	NPTEL E-Awareness workshop	NPTEL
79.	Dr.S.Gowri, Dr.N.Kannikaparameswari, Dr.T.Indumathi, Dr.K.Rajathi, Dr.D.Pradeepa, Mrs.S.Divyapriya	27-12-21-04- 01-22	Seven –Day Virtual Faculty Development programme on “Recent Advances in Chemistry”	Department of Chemistry School of Science, Rk University Rajkot, Gujarat
80.	Dr.S.Gowri, Dr.N.Kannikaparameswari, Dr.T.Indumathi, Dr.K.Rajathi, Dr.D.PradeepaMrs S.Divyapriya	31-12-2021	National Education Policy: Vision to Action	IQAC Cell, Sankar College of Science and Commerce
81.	Dr.D.Pradeepa	02-12-21- 03-12-21	Science Academies Lecture Workshop On Conservation And Management of Biodiversity in Light of Global warming	E.S.Arts& Science College,Villupuram
82.	Dr.D.Pradeepa	27-11-2021	Development of Microenterprises	NaaVic and Ni-msme
83.	Dr.S.Gowri, Dr.K.Rajathi, Dr.D.Pradeepa,Dr.	10-11-21- 17-11-21	Faculty Development Program on “OBE-Road Ahead to Advanced Educational Quality and Enhancement	Kongunadu Arts and Science College

	S.Kathiravan		Global Mobility	
84.	Dr. D. Pradeepa	15-11-2021	Virtual workshop series on Research Methodology – Nuance of Persuasive Research Paper	Shri ShankarlalSundarbhaiShasun Jain College for Women, Chennai.
85.	Mrs.S.Divyapriya	15-11-2021	One Day National Level seminar on "Intellectual Property (IPRs Research Ethics"	NGM College ,Pollachi
86.	Dr.N.Kannikaparameswari	13-11-2021	Virtual Webinar on "LIFE SKILLS FOR HUMAN WELL BEING"	Vivekanandha College of Arts And Sciences for Women(Autonomous)
87.	Dr. D. Pradeepa	13-11-2021	Virtual workshop series on Research Methodology – High Impact Research and Publication	Shri ShankarlalSundarbhaiShasun Jain College for Women, Chennai.
88.	Dr.Gowri.S	20-10-21 -22 10-21	Faculty Development programme on Innovative approaches in pedagogy	Department of life sciences and internal Quality Assurance cell, new Prince Shri Bhavani Arts and Science college
89.	Dr.S.Gowri Dr.K.Rajathi Dr.T.Indhumathi, Dr.D.Pradeepa Mrs S.Divyapriya	07-10-2021	How to open Trading and Demat Account	Department of BPS and Centre for Faculty Development, Dr.N.G.I Arts and Science College Coimbatore
90.	Dr.S.Gowri, Dr.D.Pradeepa	23-09-2021	National level STTP on Quality Enhancement of Research in HELs	PSGR Krishnamma College for women
91.	Dr.S.Gowri	17-09-2021	Two Day National workshop on Digital Disruption in learning	Kumaragruru College of liberal Arts & Science College
92.	Dr.K.Rajathi	16-08-21 -20-08-21	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Fabrication	The National Institute of Engineering

			and Characterization of Thin Film for Future Technological Applications"	
93.	Dr.T.Indhumathi, Dr.D.Pradeepa	11-08-21- 19-08-21	8 Days National Level Workshop on "Research in Higher Education"	Research and Development Cell, Sree Narayana Guru College, Coimbatore
94.	Dr.K.Rajathi	09-08-21- 14-08-21 & 16-08-21- 19-08-21	FIP online Short term course on Biostatistics and R Programming	RVS College of arts and Science
95.	Dr.T.Indhumathi Dr.K.Rajathi	30-06-21 -30 07-21	Innovation training Ambassador Training(Advanced Level)	MoE'S Innovation Cell and AICTE
96.	Dr.N.Kannikaparameswari Dr.K.Rajathi Dr. D. Pradeepa	28-06-21 -30 06-21	Online FDP on "Digital Tools for Active Teaching, Evaluation and Research"	Sri GVG Visalaksh College for Women Udumalpat
97.	Dr.N.Kannikaparameswari	22-06-2021	Workshop on How to write Research Paper	Vellore Institute of Technology, Chennai
98.	Dr. D. Pradeepa	22-06-2021	Online workshop on "How to write a research paper?"	School of Social Sciences and Languages(SSL), VIT Chennai
99.	Dr.S.Gowri Dr.S.Balasubramanian Dr.N.Kannikaparameswari Dr.T.Indhumathi Dr.S.Kathiravan Dr.V.Usha Dr.V.DhanaRangesh Kumar Dr. D. Pradeepa Dr.K.Rajathi	15-06-21 -21 06-21	Online FDP on "Research Methodology and Pedagogy for Tertiary Education"	Dr. N.G.P. Arts and Science College Coimbatore
100.	Dr.N.Kannikaparameswari	17-06-21 - 20 06-21	International Virtual Convention on Ayurveda and Research	Ayurveda College Coimbatore & DIKSHA E

				advances on COVID 19	– Learning
101.		Dr. D. Pradeepa	17-06-21 -2006-21	International virtual convention on “Ayurveda and Research Advances in COVID-19”	Ayurveda College Coimbatore and Diksha E learning
102.		Dr. D. Pradeepa	14-06-2021	National level webinar on “Marine Bioresources and Bioprospecting”	Bharathidasan College of Arts and Science, Erode
103.		Dr.N.Kannikaparameswari	07-06-21 -1206-21	FDP on Advanced opportunities and implicit Research Technologies in Sciences	IPS Academy, Indore
104.		Dr. D. Pradeepa	12-06-2021	Online FDP on “Activities of Institutions to impart quality education”	Sree Narayana Gurukul College, K.G. Chavadi Coimbatore
105.		Dr. Dhana Ranges Kumar V	12-06-2021	FDP on " Activities of Institutions to impart Quality Education"	Sree Narayana Gurukul College in association with IQAC
106.		Dr. D. Pradeepa	05-06-2021	State level webinar on “Systematic and Simplified Style of Reviewing Literature”	Department of Education GRT College of Education Tiruttani
107.	<b>2022-23</b>	Dr.T.Indhumathi and Dr.K.Rajathi	6 to 10th March 2023	Computer-Aided Drug Design using Medicinal Plants & Nutraceuticals (CADDMPN’23)”	Iyarvi Research Center for Bioinformatics (IRCB), Gobichettipalayam, Erode – 638 452.
108.		Dr.Gowri.S and Dr.Pradeepa.D	March 17, 2023 to April 1 2023.	Two-week Refresher Course on "Life Sciences"	Teaching Learning center Ramanujan College in collaboration with Department of chemistry, Miranda House University of Delhi, under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme

109.		Dr.N.Kannikaparameswari.	29.03.2023	Workshop on Fundamentals in animal cell culture techniques and toxicity testing	PSG Institute of Advanced Studies , Coimbatore
110.		Mrs. G. Lalitha	28th Jan 2023	Workshop on Patents, Design & Functional Aspect of IPR	Faculty Research Forum, School of CS & IT, Jain (Deemed-to-be University), Bengaluru, Karnataka
111.		Dr.K.Rajathi	January 16,2023	IP Awareness/Training program	National Intellectual Property Awareness Mission
		<b>Biotechnology</b>			
112.	2018-19	Dr. M. Poongothai	28.09.2018 & 29.09.2018	Two day Workshop on “Computational Methods in Drug Discovery”	JSS college of Pharmacy Ooty
113.		Mr. Arun. P	06.03.2019 to 08.03.2019	UGC Sponsored 3 days workshop on “Enablers of E- Teaching and E- Learning (EEE)”	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
114.		Mrs. S Dhanalakshmi & Mrs. A Muthukumari (Lab Technicians)	05.4.2019	One day Training Programme on Mushroom cultivation Techniques	Mushroom Research & Training Centre Department of Plant Pathology, Tamil Nadu Agricultural University Coimbatore
115.	2019-20	Dr. K. Arungandhi	01.10. 2019	National Workshop on Production Technology on Mushrooms Antimicrobial Biomolecules for Plant Health	Department of Plant Pathology,TNAU, Coimbatore
116.		Dr. M. Poongothai	01.10. 2019	National Workshop on Production Technology on Mushrooms Antimicrobial Biomolecules for Plant Health	Department of Plant Pathology,TNAU, Coimbatore



117.		Dr. Arun. P	28.01.2020 to 29.01.2020	State Level Technical Workshop on Intellectual Property Rights	PSG College of Arts and Science, Coimbatore
118.		Dr. M.N. Kathiravan	28.01.2020 to 29.01.2020	State Level Technical Workshop on Intellectual Property Rights	PSG College of Arts and Science, Coimbatore
119.	<b>2020-21</b>	Dr. P. Chidambararajan	13.04.2020 to 20.04.2020	FDP Programme on Quality Initiatives in Higher Education	Dr. N.G.P. Arts and Science College Coimbatore Sr. Ramakrishna College of Arts and Science Coimbatore Gobi Arts & Science College, Gobichettipalayam Vellalar College for Women, Erode (Cluster of colleges program)
120.			22.06.2020	Stress Management and Yoga in Health Care	Center of Value Education N.S.S and Department of Biochemistry, Dr. N.G.P. Arts and Science College Coimbatore
121.			13.07.2020 - 13.08.2020	Four week International Faculty Development Online Certificate Course on "Medical Bacteriology" (Phase II)	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur,
122.			14.12.2020 - 18.12.2020	One week International E-Workshop on Bioinformatics	Department of Biotechnology Delhi Technological University, Delhi- 110042
123.			03.02.2021 - 11.02.2021	UGC STRIDE Sponsored Seven Day Online Training Programme on Environmental Sustainability and Research Ethics	Department of Food Science and Nutrition School of Home Science Avinashilingam Institute

				for Home Science and Higher Education for Women, Coimbatore
124.		31.03.2020 04.04.2020	5 day international workshop on "Emotional Management" through What'sapp	ANOBITHI Unit of The Indian Institute of Mother and Child Welfare, 15, Biren Roy Road (West), Kolkata – 8, West Bengal, India
125.	Dr. Arun. P	13.04.2020 20.04.2020	FDP Programme on Quality Initiatives in Higher Education	Dr. N.G.P. Arts and Science College, Coimbatore Sr. Ramakrishna College of Arts and Science, Coimbatore Gobi Arts & Science College, Gobichettipalayam Vellalar College for Women, Erode (Cluster of colleges program)
126.		20.04.2020 06.05.2020	FDP on "Managing Online Classes and Creating MOOCS" (sponsored by MHRD, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching)	Teaching Learning Centre, Ramanujan College, University of Delhi
127.		11.05.2020 16.05.2020	National level online FDP on Innovation to Academician (sponsored by NSTEDB, DST)	New Generation Innovation and Entrepreneurship Development Centre, Ramachandra College of Engineering, Eluru
128.		15.05.2020	Four weeks certificate course on	Center for Faculty

		11.06.2020	Bionanotechnology	Development (CFD) o AIB, Chennai, Tamil Nadu
129.		25.05.2020 26.05.2020	FDP on 'Enhancement o Knowledge and Skills throug Scientific Lectures'	PSGR Krishnamma College for Women Peelamedu, Coimbatore - 641004.
130.		08.06.2020 13.06.2020	Webinar cum FDP series o Current Progress and Futur Prospects of Biotechnology	Chaitanya Bharath Institute of Technology Hyderabad, Telangana - 500075
131.		18.06.2020	The Workshop FDP Webinar o Experience the cutting edge Elsevier Tools to Pivot you Research	Department o Biotechnology, Karunya Institute of Technology and Sciences in collaboration with Elsevier
132.		26.06.2020 27.06.2020	Online City Camp on Essentials o Scientific Entrepreneurship	PSG – STEP, Coimbatore and Venture Center, Pune
133.		12.10.2020 17.10.2020	FDP on "Become the Role Model"	Hindusthan College of Art & Science, Avinashi Road Coimbatore-641028.
134.		14.10.2020 23.10.2020	Ten Days Online Certificat Course on "Data Analysis for Lif Sciences using R Programming"	Guru Nanak Centre fo Research (GNCR), Gur Nanak College (Autonomous), Gur Nanak Salai, Velachery Chennai
135.		19.10.2020 21.10.2020	"GUJCOST Sponsored e Workshop on Structural Elucidation of Organic Compound by Spectroscopic Techniques"	Ramanbhai Patel College of Pharmacy, Constituen Institute o CharotarUniversity o Science and Technology (CHARUSAT), Changa
136.		02.11.2020	FDP on	National Institute o

		06.11.2020	“Contemporary Advances in Bio Technology, Andhra Pradesh	
137.		10.12.2020 30.12.2020	FDP on “Educational Management and Leadership for Sustainable Environment”	Centre for Academic Leadership and Educational Management (CALEM) Department of Education Panjab University Chandigarh under the Aegis of PMMMNMTT Ministry of Education Govt. of India. in collaboration with Department of Gandhian and Peace Studies, Institute of Educational Technology and Vocational Education Department of Political Science & University Institute of Applied Management Sciences Panjab University Chandigarh.
138.		07.01.2021 15.01.2021	Seven days online workshop on Revised NAAC Norms and Procedures	IRAC, St. Joseph's College, Bengaluru
139.		18.01.2021 23.01.2021	AICTE sponsored one week short term training programme on Practical approaches for Next Generation Sequencing Technologies and Data analysis towards health care	K.S.R College of Technology, Tiruchengode
140.		20.01.2021 04.02.2021	Virtual FDP on Entrepreneurship	Bharathidasan College of Arts and Science Ellispettai, Erode-638116.

141.	Dr.M.N. Kathiravan	08.05.2020	Online FDP on Examinations in wake of COVID 19	Department of Commerce Shift II, Patrician College Chennai in Association with DigitalEdu IT Solution
142.		11.05.2020	FDP on Tally with GST	Rathinam College of Arts and Science, Eachanari Coimbatore
143.		11.05.2020 - 13.05.2020	FDP on “Improving Your Research Visibility – Research Impact and Metrics”	Velalar College Of Engineering And Technology, Thindal Erode – 638 012
144.		20.05.2020	Online FDP on ‘Uncovering Piazz for Effective Teaching’	Sri Amaraavathi College of Arts and Science, Karur
145.		20.05.2020	FDP Digital Learning Series on the theme “Connected World- a Reality with IOT”	Sri Ramakrishna College of Arts & Science for Women
146.		21.05.2020	Online Introductory course on “Open Source Tools for Instructional Scaffolding”	Department of Computer Science, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Kerala
147.		21.05.2020	Faculty Development Program Digital Learning Series on the theme “Fractals In Image Processing”	Sri Ramakrishna College of Arts & Science for Women
148.		30.05.2020	Online Faculty Focus Program on Experiential learning using virtual labs	UNITIEUP
149.		29-05-2020 – 02-06-2020	Five Days Hands on Workshop on “Patent Searching, Drafting And Filing” (Online Mode)	Animalar Institute of Technology, Poonamallee, Chennai- 600123
150.	Dr. M. Poongothai	11.04.2020	Completed the module on How to	Researcher Academy in

				conduct evidence-based research	collaboration with Elsevier
151.			28.04.2020 – 22.05.2020	IIC Online Sessions to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs	Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi
152.			Short term course (8 weeks) 01.09.2020 – 01.11.2020	Nanotechnology in Agriculture	NPTEL – AICTE
153.			15.05.2020 – 11.06.2020	Four weeks certificate course on Bionanotechnology	Center for Faculty Development (CFD) of AIB, Chennai, Tamil Nadu
154.			05.05.2020 – 11.05.2020	Online Course for aspirants of CSIR-NET in Life Sciences	PG and Research Department of Zoology, Jamal Mohammed College Trichy
155.		Dr. S.S. Saranya	21.12.2020 – 26.12.2020	Short term training programme on "Practicals approaches for Next Generation Sequencing Technologies and Data Analysis towards Health care"	Department of Biotechnology, K.S.Rangamsam college of Technology
156.	<b>2022-23</b>	Dr. P. Chidambaram Rajan Dr. R. Suganthi Dr. K. Arungandhi Dr. M.N.Kathiravan Dr. Arun. P Dr. M. Shanmugavadivu Dr. M. Poongothai Dr. Radha Palaniswamy Dr.S.Saranya	04.03.2023	One day workshop on “ Outcomes Based Education (OBE)”	Dr.N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited

		Mrs C. R. Aarthi			
157.		Dr. M. Shanmugavadivu Dr. M. Poongothai	1.11.2022– 7.11.2022	International short term training Programme -4 on “ Methods Modeling, Data and Tools of Environmental Conversion (Virtual)	Raj Rishi Govt. Autonomous College
158.		Dr. M. Shanmugavadivu	7 <sup>th</sup> - 13 <sup>th</sup> December 2022.	International short term training Programme -5 on “ Production and Regulation of chemicals and Toxins for Environmental conservation”	Raj Rishi Govt. Autonomous College
		<b>Microbiology</b>			
159.	<b>2018-19</b>	Mr.S.Senthil Prabhu Asst. Professor, Dept. of Microbiology	21.05.2018 - 28.05.2018	Taxonomy, Biodiversity, Ex Situ Conservation and Applications of Fungi”	National Fungal Culture Collection of India (NFCCI) at Agharkar Research Institute (ARI), Pune
160.		Dr. N. Vidhya & Mrs. C. Sasikala	05.10.2018 – 06.10.2018	National Level workshop on ‘Prospects and Challenges in Alga studies’	Department of Botany, Catholocate College, Pathanamthitta, Kerala
161.	<b>2019-20</b>	Dr.J. Deva Kumar	25.05.2019 - 01.06.2019	Isolation and identification of Bioactive compounds from natural resources	Agharkar Research Institute, Pune
162.		Dr. N. Vidhya	22.06.2019	Molecular Diagnostics for pathogenic bacteria	Bannari Amman Institute of Tech. –Erode
163.		C.Sasikala	22.06.2019	Molecular Diagnostics for pathogenic bacteria	Bannari Amman Institute of Tech. –Erode
164.		A.D. Priyadharshini	22.06.2019	Molecular Diagnostics for pathogenic bacteria	Bannari Amman Institute of Tech. –Erode
165.		Mr. S. Senthil Prabhu	12.9.19 &13.9.19	Identification, Bioprospecting and conservation of Lichens	Dept. of Botany, Bharathiar University
166.		Dr. J.Rengaramanujam	05.12. 2020	University Distinguished Lecture on “Art of Science in the Time of Virus and Beyond:The Brave New	SRM University, Chennai



			World”	
167.		10.12.2020 – 30.12.2020	FDP on Educational Management and leadership for Sustainable Environment”	CALEM, Panjab University, Chandigarh
168.		15.09.2020	Cancer Prediction using Machine Learning	Wisecorner Laboratories Pvt Ltd
169.		18.12.2020 – 20.12.2020	International e-Conference on Cyanobacterial and algal Biotechnology	National Repository for microalgae & cyanobacteria – Freshwater(NRMC- F)
170.	Dr.S.S.Sudha	10.11.2020	Industry Collaboration and outcome based Education for Grooming Graduates	MCET
171.		15.12.2020 - 16.12.2020	National Level Virtual FDP on NEP implementation for internal Quality Assurance in HEI	PSGR Krishnamma College for Women
172.	Dr. N. Vidhya	17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
173.		17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
174.		4.5.2020 - 10.5.2020	One Week FDP Programme on SPOKENN TUTORIAL FREE OPEN SOURCE SOFTWARE (FOSS)	Dr. NGPASC & IIT Mumbai
175.	Dr. A. M. Ramachandran	11.5.2020	Scope of Biotechnology in Food Industries	ARUNAI ENGINEERING COLLEGE,TIRUVANNA MALAI
176.		5.5.2020 - 11.5.2020	7 days Online course for Aspirants of CSIR-NET in life science	JAMAL MOHAMED COLLEGE,TIRUCHY
177.		25.8.2020	Workshop on “Foldscope Microscope - Sample Preparation and Digital Documentation”	Sathyabama Institute of Science and Technology Chennai
178.	Dr.S.Senthil	26.02.2021 -	2 Weeks comprehensive online	organized by Turnip

	Prabhu	12.03.2021	Patent Information Course	Innovations
179.		17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
180.		03.03.2021 - 04.03.2021	E- workshop on High-End Characterization of Microalgae : Overcoming the Technological Barriers”	By TERI Center
181.		27/01/2021 - 08/02/2021	UGC Stride Sponsored nine day online Training Program on Excellence in Research	Avinashilingam Institute for Home science and Higher Education for Women, Coimbatore.
182.		07.12.2020 - 12.12.2020.	AICTE sponsored One Week Short Term training Programme on “Biotechnology and its application in Tribal areas”	Ballarpur Institute of Technology
183.		15th -18th July 2020.	Four days online Training course on “Mass Spectrophotometry and Proteomics”	Amazing Biotech Ltd., Chennai
184.		06.07.2020- 08.07.2020	online Training course on “Real Time PCR based Gene Expression and Pathogen detection”	Amazing Biotech Ltd., Chennai
185.		21.06.2020 - 25.06.2020	online Training Course on “ Gel based Proteomics	Amazing Biotech Ltd., Chennai
186.		18.05.2020 - 19.05.2020	Workshop on “Biomedical Application in Translational Research (BATR-2020)	Alagappa University
187.		15.05.2020	LaTex Training sponsored by Spoken Tutorial IIT Bombay	Sree Narayana Guru College, Coimbatore
188.		10.12.2020 - 30.12.2020	21 days FDP Program on “Educational Management and Leadership for Sustainable Environment” (Online mode), Under Aegis of PMMMNMTT, Govt. of India	CLEM, Department Education, Panjab University

189.		Prof. C. Sasikala	17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
190.			Feb-Apr 2020	Cell culture Technologies	NPTEL
191.			17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
192.			9.4.2020 - 11.4.2020	FDP on DHARMA - The Art of Teaching and Learning for Next Gen	DG Vaishnav College Chennai
193.		Dr. S. Karthik Sundaram	13.4.2020 - 16.4.2020	An Effective Research Paper Writing Skill	Dr. Bhavesh Vanparia DHRD, VNSGU
194.			4.5.2020	How to Diagnose Novel Coronavirus (Covid-19)	Crescent Education
195.			4.5.2020 - 8.5.2020	FDP on R programming	Dr. NGPASC & IIT Mumbai
196.			17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
197.		Dr. J. Devakaumar	15.09.2020	Cancer Prediction using Machine Learning	Wisecorner Laboratories Pvt Ltd
198.			Feb-Apr 2020	Cell culture Technologies	NPTEL Online Certification
199.			17/02/2021 - 20/02/21	HPLC MASS technology	Karunya University Coimbatore
200.		Dr. R. Mahenthiraj	Feb-Apr 2020	Cell culture Technologies	NPTEL Online Certification
201.		Dr. S. S. Sudha	23-09-2021 to 24-09-2021	State level workshop on "Public Financial Management System with special reference to TSA"	ADM College, Nagai, Tamilnadu
202.	<b>2021-22</b>	Dr. J. Rengaramanujam	12-07-2021 to 16-07-2021	Online Elementary FDP on "Drug Engineering through Bioprospecting"	ATAL Academy, All India Council for Technical Education
203.		Mrs.C. Sasikala	12-07-2021 to 16-07-21	Online Elementary FDP on "Drug Engineering through Bioprospecting"	ATAL Academy, All India Council for Technical Education

204.	Dr. S. S. Sudha	15-06-21 to 21-06-21	Seven Day online FDP on “Research Methodology and Pedagogy for Tertiary Education”	IQAC, Dr NGP ASC
205.	Dr. J. Rengaramanujam	15-06-21 to 21-06-21	Seven Day online FDP on “Research Methodology and Pedagogy for Tertiary Education”	IQAC, Dr NGP ASC
206.	Mrs. C. Sasikala	15-06-21 to 21-06-21	Seven Day online FDP on “Research Methodology and Pedagogy for Tertiary Education”	IQAC, Dr NGP ASC
207.	Dr R Mahenthiran	12-07-21 to 16-07-21	"Online Elementary FDP on ""Drug Engineering through Bioprospecting"""	ATAI Academy, All India Council for Technical Education
208.	Dr S S Sudha	10-06-21 to 15-06-21	Five Days National FDP titled “ “Innovative Teaching And Research in Science: Exploring The New Horizons”	Science Forum in Association with IQAC, Government First Grade College, Vijayanagar, Karnataka
209.	Dr J Devakumar	10-06-21 to 15-06-21	Five Days National FDP titled “ “Innovative Teaching And Research in Science: Exploring The New Horizons”	Science Forum in Association with IQAC, Government First Grade College, Vijayanagar, Karnataka
210.	Dr. A. M. Ramachandran	12-07-21 to 16-07-21	AICTE Training and Learning	ATAL Academy
211.	Dr.S.S. Sudha	10-11-21 to 17-11-21	FDP	kongunadu Arts and Science College
212.	Dr. S. Senthil Prabhu	12-07-21 to 17 -07-21	ATAL Online FDP on Drug Engineering through Bioprospecting	Department of Biotechnology, Dr. N.G.P. Arts and Science College
213.	Dr.S.S.Sudha	15-12-21 to 16-12-21	State level workshop on PFMS with special reference to TSA	St.Joseph College for Women, Tirupur
214.	Mrs.C. Sasikala	17-12-21 to 18-12-21	Two day workshop on NGS; 16s Metagenome Sample to Data	Ganga Orthopedic Research and Educational Foundation

215.		Dr N Vidhya	17-12-21 to 18-12-21	Two days workshop on NGS; 16s Metagenome Sample to Data	Ganga Orthopedic Research and Educational Foundation
216.		Dr. S. Senthil Prabhu	20-12-21 to 22-12-21	Molecular Docking	Nirmala College for Women, Coimbatore
217.		Dr. S. Senthil Prabhu	28-10-21 to 30-10-21	Virtual Training on “Biodiversity of Microalgae and its Identification Techniques – tapping the ancient power of microalgae”	SrimadAndavan Arts and Science College (Autonomous), Trichy – 05
218.		Dr.S.S.Sudha	24-02-2022	National Level Workshop on Public Financial Management Systems(PFMS) with special reference to TSA and EAT Module	Hindusthan Educational Institutions
		<b>Food Science and Nutrition</b>			
219.		Mrs.B.Premagowri Assistant Professor	08.01.2019- 09.01.2019	Training on Amla processing	Tamil Nadu Agricultural University, Coimbatore
220.		Dr.M.Sivasakthi, Assistant Professor	29.01.2019 - 30.01.,2019	Novel bakery training	Tamil Nadu Agricultural University, Coimbatore
221.		laboratory assistant	21.01.2019 - 23.01.2019	Value added novel millet products training programme	Ramasamy Chinnammal Trust Coimbatore
222.		Dr.S.Umamaheswari, Assistant professor.	30.01.19 - 31.01. 19	“International workshop on personalised nutrition	PSG College of Arts and science, Coimbatore
223.	<b>2018-19</b>	Dr.D.Sridevi , Head &Dr.S.Umamaheswari Assistant professor	19.02.2019 - 20.02.2019	Value added products from tomato and noni fruit	Tamil Nadu Agricultural University, Coimbatore
224.		Dr.D.Sridevi , Head ,Dr.B.Premagowri, Dr.S.Umamaheswari &Dr.M.Sivasakthi, Assistant	21.02.2019 – 22.02.2019	Food Analysis Training Programme	Alpha labs, Coimbatore

		professor			
225.	<b>2019-20</b>	Ms.R.Shivani&Ms P.Ashwini	06.09.2019	One day Training Program on Dairy Products	Kodai Dairy Products(P) Ltd, Kodaikanal
226.		Ms.P.Kaneeshwari	11.02.2020 - 12.02.2020	Value added products from Moringa and mushroom	TNAU, Coimbatore
227.		Ms.P.Ashwini	11.02.2020 - 12.02.2020	Value added products from Moringa and mushroom	TNAU, Coimbatore
228.		Ms.C.Abinaya	18 .02.2020 - 19.02.2020	Training program on Preparation o Spice powders and pickles	TNAU, Coimbatore
229.		Ms.R.Shivani	18 .02.2020 - 19.02.2020	Training program on Preparation o Spice powders and pickles	TNAU, Coimbatore
230.	<b>2020-21</b>	Dr. D.Sridevi	23.04.2020 – 28.04.2020	Online national faculty development program for engendering the next generation educators	Nehru arts and science college, Coimbatore
231.			11.05.2020- 13.05.2020	Three day online faculty development program on ‘improving your research visibility- research impact and metrics’	Vellalar college of engineering and technology, Erode
232.			09.04.2020	COVID-19 Pandemic General Awareness Quiz	Department of RISE (Research, Innovations, Sponsored Projects & Entrepreneurship), Chandigarh Group of Colleges, Landran, Mohali
233.			16.05.2020 – 22.05.2020	Online Seven Days International Faculty Development Programme on “Impact of COVID 19 on Higher Education Institution’s Challenges & Responses”	Hindusthan College of Arts and Science, Coimbatore
234.			06.05.2020- 12.05.2020	Webinar workshop on How can I become a career counselor	Bharathiar University, Department of extension and career guidance

235.		25.09.2020 - 29.09.2020	Online FDP on "Leadership & Excellence"	Alagappa University, AICTE Training And Learning (ATAL) Academy, All India Council For Technical Education
236.		07.09.2020 – 11.09.2020	Online FDP on "ROAD - Responsiveness, Effectiveness, Organising Self, Attitudinal Shift, Decision Making"	Alagappa University, AICTE Training And Learning (ATAL) Academy, All India Council For Technical Education
237.		31.07.2020	‘Special Lecture on Increasing Role of Women Entrepreneurship in Higher Educational Institutions and Impending Factors - A National and Global Perspective’	Institution’s Innovation Council, SreeAyyappa College for Women, Chunkankadaai, Nagercoil,
238.		07.09.2020	Invited Guest lecture on First 1000 days	ICDS
239.	Dr.S.Daniel Robert	03.09.2020 – 04.09.2020	“Online Nutrition Quiz 2020”	Department of Foods and Nutrition, College of Home Science, GBPUAT, Pantnagar
240.		14.07.2020	National Webinar on “Diet, Epigenetics and Cognitive Performance”	Department of Food Service Management and Dietetics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
241.		09.07.2020	International Webinar on “Metabolomics :A novel research tool to examine mechanism underlying	Department of Food Service Management and Dietetics, Avinashilingam Institute for Home Science



		diet disease association”	and Higher Education for Women, Coimbatore
242.		25.06.2020 National: Webinar on Theme: “Healthy Diet Tools” Time to think about What we Eat	Ms. Shiny Sunderan Consultant Sports & Preventive Nutritionist Chennai, India
243.		25.06.2020 International Webinar on “Priming Our Immune System For Vital Health”	Department of Food Service Management and Dietetics, Avinashi lingan Institute for Home Science and Higher Education for Women, Coimbatore
244.		26.06.2020 World Drug Abuse Day-26-JUN- 2020 E-quiz on ‘Better Knowledge for Better Care’	Department of Biochemistry, Dr.N.G.P Arts and Science College (Autonomous), Coimbatore
245.		27.06.2020 International Webinar Entitled Covid-19 & Food And Nutrition Security: Scenario In South And South East Asia	Department of Food Science and Nutrition, Nutrition Association and Nutrition Society of India, Coimbatore chapter
246.		09.04.2020 COVID-19 Pandemic General Awareness Quiz	Department of RISE (Research, Innovations, Sponsored Projects & Entrepreneurship), Chandigarh Group of Colleges, Landran, Mohali
247.			
248.		13.04.2020 – 20.04.2020 One Week FDP Programme on Quality Initiatives In Higher Education	Dr.N.G.P. Arts and Science College (Autonomous), Coimbatore, Vellalar college for women, Erode, Sri Ramakrishna College

			of Arts and Science, Coimbatore, Gobi Arts and Science College, Gobichettipalayam
249.		28.04.2020 – 22.05.2020	IIC Online Sessions Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi
250.		05.09.2020	Inspiring Professor Award Advanced Materials and Applications, Madras Journal Series, Tiruvallur
251.		06.11.2020	Invited Guest Lecture on 'Significance of Nutrition in Maintaining Health and Preventing Diseases' Webinar Series-2020 Health Care Committee Dr.N.G.P. Arts and Science College (Autonomous), Coimbatore
252.	Dr. S.Uma Maheswari	28.04.2020 – 22.05.2020	IIC Online Sessions Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi
253.		25.06.2020	International Webinar on Priming our immune system for vital health Department of Food Service Management and Dietetics, Avinashi lingam Institute for Home Science and Higher Education for Women, Coimbatore
254.		27.04.2020- 28.04.2020	International webinar 2020 on food safety policies and regulations College of community science and national agricultural higher education project, Assam agricultural university, Assam
255.		10.04.2020	COVID-19 Pandemic General Department of RISE

			Awareness Quiz	(Research, Innovations, Sponsored Projects & Entrepreneurship), Chandigarh Group of Colleges, Landran, Mohali
256.		21.11.2020	Invited Guest lecture on Perspectives of Food Chemistry	NPR Arts and Science College, Natham, Dindugai
257.		02.11.2020 – 07.11.2020	One week FDP on Exploring academic and investigative dimensions in food research	North East Academy of Science and Technology Mizoram University Mizoram
258.		04.11.2020	Invited Guest Lecture on ‘Physical Wellbeing and Hygienic Practice for Womanhood’ Webinar Series-2020	Health Care Committee Dr.N.G.P. Arts and Science College (Autonomous), Coimbatore
259.	Ms.R.Shivani	16.12.2020	Investor awareness program	SEBI initiated campaign
260.				
261.		23.06.2020	Webinar on nutrition communication in the complex food and media environment	Nutrition society of India, (Mumbai chapter)
262.		17.04.2020	Online faculty development program on ‘UGC-NET Exam – tips and tricks’	Kamalam college of arts and science, Udumalpet
263.		27.04.2020- 28.04.2020	International webinar 2020 on food safety policies and regulations	College of community science and national agricultural higher education project, Assam agricultural university, Assam
264.		12.06.2020- 18.06.2020	Webinar series on ‘Assessment of Nutritional status’	Nutrition society of India, (Mumbai chapter)
265.		20.05.2020	Webinar on ‘ use of online resources in teaching- learning process’	UKA Tarsadia University, Gujarat

266.		04.06.2020	Webinar on bivariate analysis using SPSS	NIFT-TEA College of Knitwear Fashion, Tirupur
267.		30.05.2020	Public speaking: effective delivery of talks	Ukatarsadia university, Gujarat
268.		04.05.2020	Webinar on 'How to diagnose novel corona virus?'	Immugenix biosciences
269.		02.05.2020	India first leadership talk webinar	MHRS's Innovation cell
270.		09.04.2020	COVID-19 Pandemic General Awareness Quiz	Department of RISE (Research, Innovations, Sponsored Projects & Entrepreneurship), Chandigarh Group of Colleges, Landran, Mohali
271.	Ms.P.Kanneshwari	03.09.2020-04.09.2020	"Online Nutrition Quiz 2020"	Department of Foods and Nutrition, College of Home Science, GBPUAT, Pantnagar
272.				
273.		28.04.2020-22.05.2020	IIC Online Sessions	Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi
274.		27.04.2020-28.04.2020	International Webinar 2020 on "Food Safety Policies and Regulation"	College of Community Science and National Agricultural Higher Education Project (NAHEP), Assam Agricultural University, Assam
275.		10.06.2020	Webinar on "Is it possible to manage PCOS Nutritionally??"	Edunation online
276.		07.08.2020	National Webinar on "Battling Depression in Elderly during Covid-19"	Regional Centre in Geriatric Care, Gandhian Studies Centre & Department of History,

277.
278.
279.
280.
281.
282.
283.

		PSGR Krishnammal College for Women, Coimbatore
03.07.2020-05.07.2020	National Webinar Series On Immuno - Nutrition, Wellness Management & Livelihood Change	AICRP on Women in Agriculture, Assam Agricultural University, Jorhat In association with ICAR- CIWA, Bhubaneswar
11.05.2020-16.05.2020	Six Day Virtual International Faculty Development Program In The Theme Of “Impact Of Education - Post Covid 19”	Sri Ramakrishna College of Arts and Science, Coimbatore
21.07.2020	International Webinar on ‘ Public Health Epidemiology – Strategies for Health and Nutrition’	Community Science College, Madurai
18.08.2020 – 22.08.2020	Five days online short term program on Intellectual Property Rights	Department of ICE, IPR Cell and Centre for Continuing Education (CCE), Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab.
09.04.2020	COVID-19 Pandemic General Awareness Quiz	Department of RISE (Research, Innovations, Sponsored Projects & Entrepreneurship), Chandigarh Group of Colleges, Landran, Mohali
06.05.2020	Webinar on “An Introduction on SIX SIGMA”	Dhrona Quality Academy
13.07.2020	E-Quiz on skills for a resilient youth	BSDU Skill Carnival, School of Entrepreneurship Skills

284.		14.07.2020	Online webinar on “Challenges and Opportunities in Startup and Innovation” Department of Electrical and Electronics, Engineering of Mahendra Institute of Technology
285.		07.08.2020	National Webinar on “Battling Depression in Elderly during Covid-19” Regional Centre in Geriatric Care, Gandhian Studies Centre & Department of History, PSGR Krishnammal College for Women, Coimbatore
286.		05.08.2020	Webinar series on ‘ Innovation to start up’ IIC, Kumaraguru College of Technology, Coimbatore
287.		01.07.2020	Webinar on “Understanding Metabolic Disorders in Pediatric Population” Edunation online
288.		09.11.2020	Invited Guest Lecture on ‘Role of Nutrition in Improving the Performance Level of the Sports Person’ Webinar Series-2020 Health Care Committee Dr.N.G.P. Arts and Science College (Autonomous), Coimbatore
289.	Ms. C.Abinaya	11/04/2020	FDP on DHARMA-The art of Teaching Learning for the Next Gen Dwaraka Doss Goverdhan Dos Vaishnav College, Chennai
290.		27/05/2020	Lockdown Stress buster-Retain Your Brain Dr.S.N.S Rajalakshmi College, Coimbatore
291.		14/05/2020	Food Nutrition and Hygiene-keys to protective health Stella Maris College, Chennai
292.		01/06/2020 to 03/06/2020	Webinar on critical care and Nutrition IDA Chapter Chennai
293.		03/06/2020	Flexible Teaching Learning Dr.S.N.S Rajalakshmi

				Assessment and curriculum provisions in the midst of pandemic	College, Coimbatore
294.			06/06/2020	Holistic Approach Towards COVID 19	Sheth PT Makila College of Arts and Home Science College, Surat Gujarat
295.			10.06.2020	Webinar on “Is it possible to manage PCOS Nutritionally??”	Edunation online
296.			11/06/2020	Revitalizing MSME in Post COVID19 crisis and Business Sustainability	Avinashi lingam Institute for Home Science and Higher Education for Women, Coimbatore
297.	2021-22	Dr.D.Sridevi	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme at Department of Food Science and Nutrition, Periyar University
298.		Dr.S.Umamaheswari	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme at Department of Food Science and Nutrition, Periyar University
299.		Mrs.P.Kanneshwari	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme at Department of Food Science and Nutrition, Periyar University
300.		Ms.H.Kavyajyothi	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme at Department of Food Science and Nutrition, Periyar University
301.		Ms.L.Yamini	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme



					at Department of Food Science and Nutrition, Periyar University
302.		Ms.M.Anjali	24/03/2022 – 07/04/2022	“FSSAI INITIATIVES”	15 Days Online Faculty Development Programme at Department of Food Science and Nutrition, Periyar University
303.	<b>2022-23</b>	Dr. S. Senthil Prabhu (Microbiology)	02-03, March 2023.	Hands-on Training program on DNA Sequencing	Central instrumentation center, Bharathiar University, Coimbatore
304.		Dr.D.Sridevi&Ms. D.Jancy rani	07.12.22-13.12.22	UGC-HRDC Sponsered short term course on “ E- Content Development”	Bharathidasan University, Trichy
305.		Mrs.H.kavya Jyothi &Ms.Abhirami.P.F	07.12.22-13.12.22	UGC-HRDC Sponsored short term course on “ Employ-ability and soft skills development”	Bharathidasan University, Trichy
306.		Ms. M. Anjali	09.03.23-15.03.23	UGC-HRDC Sponsored short term course on “ OBE”	Bharathidasan University, Trichy
307.		Ms.Rakeshwari.M	01.03.23-07.03.23	UGC-HRDC Sponsored short term course on “Academic, Research and Publication ethics	Bharathidasan University, Trichy
308.		Dr.D.Sridevi& Ms.M.Anjali Mrs.H.Kavya Jyothi Ms.D.Jancy rani Mrs.H.kavya Jyothi &Ms.Abhirami.P.F	08.08.22-14.08.22	7 day National FDP on Emerging Trends in food processing’	Online Platform
309.		Ms.M.Anjali	06.10.22-14.10.22	7 day national FDP on “Fundamentals of Research and Research methodology”	
310.		Mrs.H.Kavya	07.11.22-	10 Days Faculty Refresher	

		Jyothi Ms.M. Rakeshwar Ms.Abhirami.P.P	18.11.22	Program “Quality Teaching & Strategies in HEI’s	
<b>All Four Departments</b>					
311.	<b>2018-19</b>	All Faculty members	03-12-2018 to 09-12-2018	Seven days FDP on Quality Measures in Higher Educations	Dr. N.G.P. Arts and Science College, Coimbatore
312.	<b>2020-21</b>	All Faculty members	3.08.2020 to 8.8.2020 & 10.08.2020 to 15.08.2020	One week online course on DIGITAL TEACHING TECHNIQUES	ICT ACADEMY Dr. N.G.P. ASC
313.		All Faculty members	13-04-2020 to 20-04-2020	One week FDP program on “Quality Initiatives in Higher Education” organised by Consortium of Colleges	Dr. N.G.P. Arts and Science College, Coimbatore
314.	<b>2021-22</b>	All Faculty members	15-06-2021	Seven Day Online FDP on “Research Methodology and Pedagogy for Tertiary Education” organized by IQAC	Dr. N.G.P. Arts and Science College, Coimbatore

## 9(10.B) STUDENTS

<b>Student Awards</b>			
<b>Name of the Student</b>	<b>Batch</b>	<b>Date</b>	<b>Achievment</b>
Ms. S. Divya and Ms. N. Mayurika	B Sc 2018-19	2018-19	completed Eight week Science Academies Summer Research Fellowship Programme offered by Indian Academy of Science (INSAC)
Ms. M. Kavipriya	M Sc 2018-22	2018-19	selected for Indian Academy of Sciences Summer Student Fellowship 2019
Nivedha A	B Sc 2018-19	2019-20	Indian Acadmy of Science Summer Research Fellowship
Ms. S.Jotheeswari	B Sc 2021-22	2022-23	summer research fellowship (Indian Academy of Science) at Bhabha Atomic Research Center( BARC), Mumbai under the guidance of Dr.Amit Kunwar

**9 (11) Exhibitions /seminars /training courses conducted -155**

S. No.	A. Y	Date	Exhibitions/seminars /Conferences/training courses/ Competitions (Intra, Inter and Inter collegiate) conducted	Resource person/ Activity	Beneficiaries
<b>Biochemistry</b>					
1.	<b>2018-19</b>	18.09.2018 - 19.09.2018	Phytochemical analysis	Dr. N. Kannikaparameswari& Dr. D. Pradeepa	27 (BC, BT, MB & ND)
2.		14.02.2019	R-Programming for Biologists	Kaavya.G, Meena.C (III B.Sc., Biochemistry), Suganya N, Sneha S (II B.Sc., Biochemistry), Pukazhendhi S, &Hariprasath K (I B.Sc., Biochemistry)	40 (BC, BT, MB & ND)
3.		23.02. 2019	Quantification of alkali and alkaline earth metals in Biological samples by flame photometry	Faculty of Biochemistry, Mr. Rajesh & Mr. Vishnu, Project Assistant, Dept. of Biochemistry	Bioscience, Basic and Applied Science Students
4.		25.02.2019	“International conference on prospects of Nutraceuticals and Natural medicine” jointly organized with N&D department	Prof.Dr. Basavaraj Madhusudhan Department of Studies in Biochemistry and Food Technology, Davangere University, Shivagangotri. Prof.Dr. ElangovanVellaichamy University of Madras, Chennai. Mr. Roshan Delabandara Secretary, Nutrition Society of Srilanka.	Students of Biosciences
5.		23.05.2019 - 28.05.2019	Summer Internship Programme (SIP-2019)	Internal Faculty members provide Hands-on training in various techniques for other college UG students	12
6.		20.06.2019	Colloquium on “Savor of Research” – Intra departmental	Presentation by Summer Interns	230

7.		22.06.2019	Student Knowledge Sharing Programme - Intradepartmental Workshop	Ms.Madhumitha.C&Ms.Sangamithra.B II B.Sc.Biochemistry shared their knowledge on "Genomics" to other students.	57
8.		24.06.2019 - 28.06.2019	Interdepartmental Workshop on "Plant and Animal Tissue Culture, Electrophoresis, Chromatography and Spectroscopic Techniques"	Internal Faculty members provide Hands-on training to UG and PG bioscience students	100
9.		18.07.2019	Interdepartmental Competition	Short film making on "Biodiversity in and around Dr.N.G.P Campus"	250
10.	2019-20	23.07.2019	Student Knowledge Sharing Programme - Intradepartmental Workshop	Ms.Manjubhashini&Ms.Sharulatha, III B.Sc Biochemistry[shared their knowledge on "Analysis of Nano particles in UV Visible Spectrophotometer" to other students]	50
11.		26.07.2019	Intradepartmental Competition on "Micro Videos in Life Science Experiments"	Students prepared Micro Videos in Life Science Experiments	250
12.		13.08.2019 - 14.08.2019	Intradepartmental Workshop on "Microbial Plating Techniques"	Hands-on training to students	20
13.		20.08.2019 – 21.08.2019	Interdepartmental Workshop with Chemistry department on "Water and Waste Water Analysis" for students	Dr. Raman Sivakumar Ph.D., IDH (USA),Coop(canada) Chief Scientist, MAK India Ltd, Coimbatore	60
14.		27.08.2019	Intradepartmental Workshop with Computer science Faculty on "Biostatistics & Solving Through Excel" for students	Mrs. M. Savithri, Assistant Professor (SG), Dept. of Computer Science, Dr. NGP ASC	60
15.		07.12.2019	Interdepartmental workshop with Catering Science and Hotel Management	Extraction of Natural Dyes from plants & vegetables and its application in Food preparation	40

16.		14.12.2019	Alumini Interaction Programme & Hands on Training on “Basic Microbial Culture Techniques in Quality Control Management”	Mr. Prakasam V (Alumini), Quality Control Executive, Care Now Medical Pvt Ltd., Coimbatore	40
17.		14.12.2019	National energy conservation Day - Interdepartmental competition	Paper & poster presentation, Glass Painting, Nail art	100
18.		20.01.2020	Functional FDP & Hands on Training on “ICT Enabled Teaching” for Bioscience Lab Assistants	Dr. R. Rajesh Kanna, Professor & Head 2. Dr. Anjith Raja, Assistant Professor, Dept. of Information Technology, Dr. NGP ASC, Coimbatore	12
19.		01.02.2020	Exhibition on “AYUR-FOOD FESTIVAL” with Department of Catering Science and Hotel Management	Students prepared food using herbs and traditional ingredients and displays its benefits.	230
20.		04.02.2020	Intercollegiate Competition - World cancer Day	Dr. R. Madhu Sairam, Radiation Oncologist, KMCH, Coimbatore	57
21.	<b>2020-21</b>	05.06.2020	Intercollegiate Competition WORLD ENVIRONMENT DAY 2020	Virtual Competitions	25
22.		24.07.2020	Intradepartmental Video Making Competition on “Sustainable Development Goals”		20
23.		07.11.2020	National cancer Day Interdepartmental Competition		20
24.		11.02.2021	Intradepartmental Competition “International Day of Women’s and Girls in Science Feb 2021	Offline Competitions	10
25.		26.02.2021	Science Ideation 2021 Intradepartmental Competition		25
26.		26.02.2021	Biotoycathon 2021 Interdepartmental Competition		40
27.	<b>2021-22</b>	27.08.2022	Competition on "Scientific	Intra departmental competitions	78

			Phenomena happening all around us" to celebrate World Photographic Day		
28.		02.08.2022	Topic: “ <b>Poshan Abhiyaan</b> ” as part of Azadi ka Amrit Mahotsav pamphlet making Competition	Intradepartmental	78
29.		29.10.2022	Interdepartmental Competition - Celebration of days International day of Girl Child	Pep Talk on " Power of <b>SHE</b> in Making Rangoli's in STEM "	40
30.		28.01.2023	Exhibition	Sustainable Developmental Goals Models	76
31.		15.02.2023	Hands on training on “Micropropagation Techniques”	Dr.D.pradeepa, Assistant Professor, Department of Biochemistry, Dr.N.G.P Arts and Science College	30
32.		28.02.2023	Science day celebration - Competitions	Future of STI-Impacts on education, skill and work	School students
33.		20.03.2023	Hands on Training on “Pharmacovigilance”	Vijay Rajendran, B.Pharm, MBA., Technical Consultant, Bioexplora, Coimbatore	50
34.		28.03.2023	National Conference on “Interdisciplinary Approaches on Dynamics of Biosciences Research “	Dr.R.Kumar, Scientist G & Associate Director, Mysore Prof.R.Ramraj, Professor of Eminence & DAE Dr.A.Arun, Professor Prof.Dr.GaneshNagaraju Dr.Nehagarg Dr. M.H. Adarsha Gowda	
35.		29.03.2023	Topic : Hands on Training	Dr.P.Ravikumar, Iyarvi Research Center for Bioinformatics (IRCB), Erode	45
36.		30.03.2023	Workshop <b>Topic:</b> Culturing and rearing of Drosophila	Dr.P.Vinayagamoorthi Assistant Professor Department of Human Genetics and Molecular Biology	50

				Bharathiar University Coimbatore-46	
		<b>Biotechnology</b>			
37.		31.08.2018	Skill Development Programme on Plant Tissue Culture (intradepartmental)	Mr.R.Ramesh Kumar DST Project Fellow, Department of Biotechnology, Alagappa University, Karaikudi.	Students of Biotechnology (50 Nos)
38.		10.01.2019	Workshop on Nanophotometric Techniques (interdepartmental)	Dr. M.Poongothai, Assistant Professor, Dept. of Biotechnology, Dr.NGPASC	Students of Microbiology, Biochemistry, Nutrition and Dietetics (100Nos)
39.		01.02.2019	Hands on training in operation of Bottle top Dispenser for dispensing acids and corrosive reagents	Mr. V. Manikandan, Sr. Sales Executive Microlit, Lucknow	Lab assistants from Science Departments (100 Nos)
40.	<b>2018-19</b>	07.02.2019	Hands on training in Microtomy (interdepartmental)	Dr. A. Balamurugan, Manager, Field and Research Trails, T-Stanes, Coimbatore	Students of Biotechnology and CLT (150 Nos)
41.		13.02.2019	Workshop on PCR and Nanophotometer (intradepartmental)	Mrs.M. Sahnugavadi and Dr. M.Poongothai, Assistant Professors, Dept. of Biotechnology, DrNGPASC	Students of Biotechnology (150 Nos)
42.		19.02.2019	Hands on training in Protein & Nucleic Acid Quantification with Nanophotometer (intercollegiate)	Dr. M.Poongothai, Assistant Professor, Dept. of Biotechnology, DrNGPASC	Students of various colleges in and around Coimbatore (80Nos)
43.		21.02.2019	Workshop on Operations and Applications of UV-Visible Spectrophotometer (intercollegiate)	Dr. Radha Palaniswamy, Assistant Professor, Dept. of Biotechnology, Dr.NGPASC	Students of various colleges in and around Coimbatore (50Nos)



44.		30.03.2019	Hands on Training in Animal Tissue Culture Techniques (interdepartmental)	Dr. G. Suja, Assistant Professor, C.M.S. College of Science and Commerce, Coimbatore	Teaching staff (10), Research Scholars (5) and Non teaching staff (2) from Bioscience Departments
45.		28/02/2019	National Seminar on Biodiversity and Its Prospecting (NSBP-19) Jointly organized With Microbiology Department	Dr. S. Krishnakumar, Senior Technical Officer, Ministry of Defense, DRDO, Chennai Dr.S.Sanjeeva Nayaka Principal Scientist CSIR- NBRI, Lucknow Dr.M. Palanisman Scientist D BSI, SRC, Coimbatore	230
46.		03.09.2018	National Conference on “Recent innovation in nanomedicine and targeted drug delivery” organized by Department of Basic and applied sciences, St.Aloysius College (autonomous), Mangaluru under DBT –Star Scheme sponsorship St.Aloysius College (autonomous), Mangaluru	8 students and 2 faculty members	
47.	<b>2019-20</b>	21.06.2019	Training and Emergency care – CPR	Ekam, Foundation & 108 ambulance	10 Lab technician and 350 Students
48.		26.06.2019	Observance of International Day against Drug abuse and illicit trafficking with Youth Red Cross (interdepartment contest)	Dr. S. Karthik, Assistant Professor Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	62
49.		28.06.2019	Workshop on Intricacies in handling Plant tissue culture (intradepartmental)	Dr. K. Kalimuthu, Assistant Professor, Department of Botany, Government Arts and Science	107

			College, Coimbatore	
50.	01.07.2019	Interdepartment hands on training workshop-Quantification of DNA from Herbal leaves and Animal tissue using Nanophotometer	Dr. M.Shanmugavadivu and Dr.M.Poongothai, Assistant Professors, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	47
51.	05.07.2019	Hands on training on UV Visible Spectrophotometer using Nanoparticles (interdepartmental)	Mr.S. Karthik, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	40
52.	08.07.2019	Hands on training on Tools for Biologists in Bioinformatics (interdepartmental)	Dr. Radha Palaniswamy, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	30
53.	12.07.2019	Knowledge sharing on Google Classroom (with teaching staff)	Dr. Arun. P, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	9
54.	13.07.2019	In house lecture workshop on Computer aided drug designing (intradepartmental)	Dr. M. Poongothai, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	107
55.	15.07.2019	Hands on training on Operations in MS Office (intradepartmental)	Mr. Rajakrishnan, Assistant Professor, Department of Commerce, Dr.N.G.P. Arts and Science College, Coimbatore	65
56.	16.07.2019	Knowledge exchange program on insights of Plant Tissue Culture with Department of Microbiology	Dr. M. Shanmugavadivu and Dr. M. Poongothai, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	33
57.	18.07.2019	Knowledge exchange program on Mushroom cultivation and entrepreneurship opportunities	Mushroom Production Team, Department of Biotechnology, Dr. N.G.P. Arts and Science College,	60

		with B.Com CA	Coimbatore	
58.	22.07.2019	Medicinal plants exhibition	Exhibited by UG and PG students of Biotechnology	visited by 980 students
59.	14.08.2019	Bioquiz (interdepartment)	Dr. Arun. P, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	46
60.	19.08.2019	Workshop on Death of Piracy and Video Editing tools (intradepartmental)	Dr. Rajeshkanna, Head, Department of IT, Dr.N.G.P. Arts and Science College, Coimbatore	65
61.	26.08.2019	Knowledge exchange program on Mushroom cultivation and entrepreneurship opportunities with B.Com BPS	Mushroom Production Team, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	42
62.	05.09.2019	Workshop on Operations in MS Excel (intradepartmental)	Dr. Dinesh kumar, Assistant Professor, Department of Commerce, Dr.N.G.P. Arts and Science College, Coimbatore	65
63.	24.09.2019	Observance of Rose Day for the welfare of Cancer Patients - interdepartmental contest	Dr. S. Karthik, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	61
64.	28.09.2019	Hands on training on Protein Purification Techniques	Dr. M. Poongothai, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	12
65.	22.11.2019	Science Pop Up - Basic Microscopic Techniques and Qualitative Analysis of Biomolecules	All Department Staff trained School students	82
66.	11.12.2019	Hands on training on Mushroom Cultivation for School students	Mushroom production Team, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	10

67.		12.12.2019 - 13.12.2019	Hands on training on Spawn Production and Mushroom Cultivation (intradepartmental)	Mushroom production Team, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	214
68.		28.01.2020	Bio idea 2020 (intercollegiate innovative idea contest)	Dr. S. Karthik, Assistant Professor Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	40
69.		01.02.2020	Lecture workshop on Scientific Writing (intercollegiate)	Dr. Radha Palaniswamy, Assistant Professor; Dr.M.N.Kathiravan, Associate Professor and Ms.K.Priyadharshini, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	80
70.		03.02.2020	Hands on training on Cost Effective Mushroom Cultivation	Mushroom Production Team, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	80
71.		08.02.2020	Skill enhancement programme for the Lifescience students (intradepartment)	Dr. S. Karthik, Assistant Professor Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore	60
72.	<b>2020-21</b>	27.02.2021	Bioidea'21	Innovative Idea Contest (Inter department)	54
73.		12.02.2021	International Day of Women's Health	Fire less cooking competition	46
74.		16.02.2021	International Childhood Cancer Day	PPT presentation	23
75.		10.03.2021	Bioquiz	Science Day Celebration	50
76.	<b>2021-22</b>	29.03.2021	National Conference - "MARINA-21"	Recent Developments in Pharmaceutical Biotechnology and Molecular Therapeutics	

77.	22.09.2021	World Rose Day	Dr.J. Rangaramanajam, Professor & Head, Department of Microbiology and Dr.S.Gowri Professor & Head, Department of Biochemistry	65
78.	28.09.2021	Bioidea-21	Dr.D.Sridevi, Professor & Head, Department of Food science & Nutrition and Mrs.S.Kokila, Assistant Professor & Head, Department of Clinical Laboratory Technology	23
79.	09.12.2021	World Soil Day	Dr. S. Uma Maheswari, Assistant Professor & Head, Department of Food science & Nutrition and Dr.C.Hemalatha, Assistant Professor, Department of Clinical Laboratory Technology	95
80.	30.03.2022	Bioquiz - Inter departmental programme	Dr. Arun.P, Professor, Department of Biotechnology	42
81.	18.08.2022	Biodiversity Photography Competition to celebrate World Photography Day	Dr. M.Poongothai, Professor Department of Biotechnology	Biotechnology Students
82.	22.09.2022	Intra Departmental Competition on World Rose Day- (Quiz & Drama Performance) Awareness on early stages of cancer and to bring hope to cancer survivors	Dr. Saranya, Assistant Professor	95
83.	27.10.2022	Competition on Bioidea'22 - an innovative idea contest	Students of Bioscience	Students of Bioscience
84.	27.10.2022	Competitions (Inter department)	Bioidea'22 - an innovative idea contest	12
85.	29.10.2022	FDP (Inter department)	Cancer Chemotherapeutics Dr. M. Shanmugavadivu, Associate Professor, Department of Biotechnology	25

86.		02.11.2022	Training (Intra department)	Mushroom Cultivation Dr. S. Nakeeran Professor Dean – Agricultural College and Research Institute (AC & RI) Kudumiyamalai Pudukottai District	105
87.		15.11.2022	Exhibition	Medicinal Plants	650
88.		24.11.2022	FDP (Inter department)	Carcinogens and Food Dr. M. Poongothai, Associate Professor, Department of Biotechnology	20
89.		16.02.2023	Training (Intra department)	HPTLC Data Analysis	245
		<b>Microbiology</b>			
90.		11.09.2018	Safety Measures and Awareness and Training on Symbols for Bioscience and Chemistry lab Assistants	Mr. E.Kumaran & Dr A.M. Ramachandran	10
91.		08.01.2019 - 09.01.2019	Workshop on “Identification of Fungi & Algae and Hands on training in Fold scope” for Inter Departmental (Bioscience)	Staff Members of Microbiology	44
92.		08.01.2019	Biophotography Competition	Inter Departmental Students	105
93.	<b>2018-19</b>	06.02.2019- 07.02.2019	Workshop on “Identification of Fungi & Algae and Hands on training in Foldscope (WIFATF-19) for Inter college students	Staff Members of Microbiology and Student Volunteers	53
94.		11.02.2019 - 15.02.2019	Hands on Training in Stereo and Inverted microscope for Students of Department of Microbiology	Staff members and Student Volunteers	230
95.		13.02.2019	Workshop on Microbes and their role in baking with	Students of Catering Science and III UG Microbiology Students	92

			Catering Science Department (Knowledge Exchange programme)		
96.		21.06.2019	Training and Emergency care – CPR	Ekam, Foundation & 108 ambulance	10 Lab tech. & 350 Students
97.		27.07.2019	Competitions on Bioconservation day	posterInter and Intra departmental	60 Students
98.		13.08.2019	Competitions on Organ Donation Day	Slogan writing, Short film, Drama & Mime	60 Students
99.		02.12.201	Competitions (Intra Dept.) on National Pollution day	Seminar, poster and slogan	60 Students
100		21.12.2019	Competition (Inter & Intra Departmental)	Pteri Art, Science Quiz, Mime, Biological Photography, Bio Art	120 Students
101	2019-20	05.02.2020 - 06.02.2020	National Seminar on Computing platforms for Bigdata analytics with IT Department, SERB Sponsore	.Dr. P. Chella Durai, Dr. N. Jeyakumar, Dr. Sanjeev Kumar Singh	600 Students
102		28.02.2020	National Science Day competitions for School students Competitions	Quiz, Oratorical and essay writing at M.M. Murugappachettiar school Tripur	50 Students
103		06.03.2020 - 07.03.2020	National Conference on Futuristic Approaches in Transformation of Bioscience Research (FATBR-2020) with BioscienseDepartemnts	Dr. Sanjay K. Singh, Prof. Dr. Joseph Selvin, Prof. Dr. T.J. Pandian	30 Students
104	2020-21	08/01/2021	Competition Oral-Presentation on Title:Recent Developments in Microbiology	Paper Presentation	50
105		09/01/2021	Workshop on Bioinformatics	Dr. R. Sathish Kumar, Assistant Professor, Dept. of Biotechnology, Kongunadu Arts and Science College, Coimbatore	80
106		04/02/2021	Virtual Workshop on “Proteomics and Mass	Dr. B. Balasubramaniam,BSR Fellow	100



			Spectrometry: Basics and Applications”	Department of Biotechnology Alagappa University Karaikudi	
107		26/02/2021	Workshop - Instrumentation techniques in Microbiology for UG Students	Faculties	120
108		27/02/2021	Mushroom Cultivation Training Intra departmental	Student Trainers	30
109		06/03/2021	Mushroom Cultivation Training Inter departmental	Student Trainers	30
110	<b>2021-22</b>	27.11.2021	Generation of a SARS-CoV-2 reported virus and novel human lung cell lines that support virus replication and cell cytopathology	Dr. Karthic Rajamanickam, Lab Manager, Dr. Franco Vizeacoumar Lab, Saskatchewan Cancer Agency, University of Saskatchewan, Canada.	250
111		27.11.2021	Metal Nanostructures - An insight into biomedical applications	Dr M D Balakumaran, Professor and Head, Department of Biotechnology, DG Vaishnav College, Chennai	250
112		27.11.2021	Biomedical Applications of Nanotechnology	Dr D J Mukesh kumar, Scientist, AviGen Biotech Pvt.Ltd, Chennai	250
113		08.10.2022	Intra department Competitions on Bioprospecting of Microbes	Microbial Products Exhibition	50
104	<b>2022-23</b>	14.11.2022	Intradepartmental competition on Observation of World Pneumonia Day	Poster and Oral Presentation	50
105		30.01.2023	Intradepartmental Competition on the theme of Act Now, End Leprosy, on Observation of World Leprosy Day	Quiz	50
106		09.03.2023 & 10.03.2023	XIV Louis Pasteur International Symposium on the Role of Multidisciplinary Research In	1.Dhurvas Chandrasekaran Dinesh Scientist, The Boura Lab / Structural Biology – Virology, Department of Molecular Biology	300

			Microbiology For Sustainable Development (RMSD—2023)	<p>and Biochemistry, Institute of Organic Chemistry and Biochemistry of the Czech Academy, of Sciences Prague, Czech Republic / Czechia (CZ).</p> <p>2.Thirumurugan Durairaj, Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu Dt., Tamil Nadu, India- 603203</p> <p>3.Saravanan Muthupandian , Professor, AMR and Nanomedicine Lab, Department of Pharmacology, Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences (SIMATS),Chennai 600077, India</p> <p>4.K. Prakash Shyam, Head of the Department &amp; Research Scientist, Research and Development Division, VVD and Sons Private Limited, Thoothukudi, Tamil Nadu, 620003 India</p> <p>5.M. Karthikeyan, Assistant Professor &amp; DST – SERB TARE Fellow, Coordinator – Microbiology Programme, Department of Zoology and Microbiology, Thiagarajar College, Madurai</p>	
107		24.03.2023	Impact TB on Society - Interdepartmental Competitions	Oral & Poster presentation	50

			On World TB Day		
108		28.03.2023	NATIONAL CONFERENCE On INTERDISCIPLINARY APPROACHES ON DYNAMICS OF BIOSCIENCE RESEARCH (IADBR - 2023)	Dr. A. Arun Professor & Head Department of Microbiology Alagappa University Karikudi, TN	250
109		14.11.2022	Intradepartmental competition on Observation of World Pneumonia Day	Poster and Oral Presentation	50
110		30.01.2023	Intradepartmental Competition on the theme of Act Now, End Leprosy, on Observation of World Leprosy Day	Quiz	50
111		09.03.2023 & 10.03.2023	XIV Louis Pasteur International Symposium on the Role of Multidisciplinary Research In  Microbiology For Sustainable Development (RMSD—2023)	1.Dhurvas Chandrasekaran Dinesh Scientist, The Boura Lab / Structural Biology – Virology, Department of Molecular Biology and Biochemistry, Institute of Organic Chemistry and Biochemistry of the Czech Academy, of Sciences Prague, Czech Republic / Czechia (CZ). 2.Thirumurugan Durairaj, Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu Dt., Tamil Nadu, India- 603203 3.Saravanan Muthupandian , Professor, AMR and Nanomedicine Lab, Department of Pharmacology, Saveetha Dental College, Saveetha Institute of Medical and Technical	300

				Sciences (SIMATS),Chennai 600077, India 4.K. Prakash Shyam, Head of the Department & Research Scientist, Research and Development Division, VVD and Sons Private Limited, Thoothukudi, Tamil Nadu, 620003 India 5.M. Karthikeyan, Assistant Professor & DST – SERB TARE Fellow, Coordinator – Microbiology Programme, Department of Zoology and Microbiology, Thiagarajar College Madurai	
112		24.03.2023	Impact TB on Society - Interdepartmental Competitions On World TB Day	Oral & Poster presentation	50
113		28.03.2023	NATIONAL CONFERENCE On INTERDISCIPLINARY APPROACHES ON DYNAMICS OF BIOSCIENCE RESEARCH (IADBR - 2023)	Dr. A. Arun Professor & Head Department of Microbiology Alagappa University Karikudi, TN	250
114		14.11.2022	Intradepartmental competition on Observation of World Pneumonia Day	Poster and Oral Presentation	50
115		30.01.2023	Intradepartmental Competition on the theme of Act Now, End Leprosy, on Observation of World Leprosy Day	Quiz	50
116		09.03.2023 &10.03.2023	XIV Louis Pasteur International Symposium on the Role of Multidisciplinary Research In	1.Dhurvas Chandrasekaran Dinesh Scientist, The Boura Lab / Structural	300

		<p>Microbiology For Sustainable Development (RMSD—2023)</p>	<p>Biology – Virology, Department of Molecular Biology and Biochemistry, Institute of Organic Chemistry and Biochemistry of the Czech Academy, of Sciences Prague, Czech Republic / Czechia (CZ).</p> <p>2.Thirumurugan Durairaj, Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu Dt., Tamil Nadu, India- 603203</p> <p>3.Saravanan Muthupandian , Professor, AMR and Nanomedicine Lab, Department of Pharmacology, Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences (SIMATS),Chennai 600077, India</p> <p>4.K. Prakash Shyam, Head of the Department &amp; Research Scientist, Research and Development Division, VVD and Sons Private Limited, Thoothukudi, Tamil Nadu, 620003 India</p> <p>5.M. Karthikeyan, Assistant Professor &amp; DST – SERB TARE Fellow, Coordinator – Microbiology Programme, Department of Zoology and Microbiology, Thiagarajar College, Madurai</p>	
--	--	---	---	--

117.		24.03.2023	Impact TB on Society - Interdepartmental Competitions On World TB Day	Oral & Poster presentation	50
<b>Food Science and Nutrition</b>					
118.		27.06.2018	Hands on training on processing of ready to eat foods	Mr.Ravikumar, Consultant of NRA Foods, Coimbatore	180 Students
119.		09.07.2018 – 13.07.2018	Hands on workshop on fruit and vegetable preservation	Mr.GANESAN .K &Mr.MANOJ JEBAKUMAR.A, demonstration officer, Ministry of women and child development, Food & Nutrition Board, Government of India.	63 Students
120.		04.09.2018	Soft skill training program and workshop for slow learners	Mr.Sukumar and Mr.Ravikumar, memory and motivator, Agnus Academy, Coimbatore.	50 students
121.	2018-19	16.10.2018	World food day-2018: FOOD EXPO-2018	Department students	300 students
122.		25.02.2019	International conference on prospects of Nutraceuticals and natural medicine	Prof.Dr.BasavarajMadhusudhan, Davangre University, Karnataka Prof.Dr.Elangovanvellaichamy, University of Madras, Chennai Prof.Mr.RoshanDelabandara, Registered Nutritionist and Joint secretary, Nutrition society of Srilanka	350 Students
123.		7.03.2019	DBT PROJECT-FOOD EXPO 2019	-	63 students
124.		17.06.2019 - 21.06.2019	Hands on Workshop on Fruit and Vegetable Preservation, in collaboration with Ministry of Women and Child Development	Mr.Jebakumar& Mr. Manoj kumar Food & Nutrition board, Madurai	60 students
125.	2019-20	31.07.2019	WORLD BREAST FEEDING WEEK CELEBRATION - Intra departmental competition for PG Students	Poster presentation & slogan writing	250 female students

126.		06.08.2019	WORLD BREAST FEEDING WEEK CELEBRATION - Food Expo for the community	Food exhibition competition	100 members
127.		07.08.2019	WORLD BREAST FEEDING WEEK CELEBRATION -Intra departmental competition for students	Cooking competition, puppet show, article presentation	253 students
128.		08.08.2019	WORLD BREAST FEEDING WEEK CELEBRATION - Inter departmental competition for students	Poster presentation, micro-videos, slogan writing, photography	500 students
129.		04.09.2019	Competition on National Nutrition Month Celebration (intra department)	Food exhibition competition	300 students
130.		16.10.2019	Competition on World Food day celebration	Rangoli competition	100 students
131.		01.02.2020	Hands on Training on Ice cream and Pasta making (inter collegiate)	I Msc Food & Nutrition students	50 students
132.		18.2.2020 - 19.02.2020	Two days workshop on enumeration of bacteria, mould & yeast from food sample and preparation of ice cream & pasta making	Knowledge exchange programme (intra collegiate)	100 students
133.		28.02.2020	National Science Day competitions for School students Competitions	Quiz, Oratorical and essay writing at government school, Tripur	50 students
134.	2020-21	7.11.2020	National Cancer Awareness day inter departmental competition	inter departmental competition	31 students
135.		04.08.2020	Competition for DBT students	Competition	30 students
136.		07.08.2020	World Breast Feeding week celebration: Intra Collegiate Competition	Intra Collegiate Competition	30 students

137.		26.03.2022	Food and Health A Protein Approach	Competition	40 students
138		01.11.2021	Ethnic foods – Fresh feast /Nutrition Labeling and Zero Hunger-Poster Presentation	Intra departmental competition	60 students
139.		23.03.2022	Food Techies	Intra departmental competition	35 students
140.		23.09.2022	Competition on Infants Formula Feeding	Inter departmental competition	UG and PG students from other department
141.	2021-22	27.08.2022	Competition on Beikost: Traditional Period	Intra Departmental Competition	Food Science and Nutrition Student
142.		27.08.2022	Intra Departmental Competition - Ad zap on Complication of Artificial Feeding	Intra Departmental Competition	Food Science and Nutrition Student
143.		30.09.2022	Competition on World of Flavor	E-Poster Competition	UG and PG students from other department
144.		21.10.2022	Competition on Indigenous Foods	Food Expo & Competition	UG and PG students from other department
145.		02.08.2021	Intra Departmental Competition - Through Google Meet	Intra Departmental Competition	30 students
146.	2022-23	27.08.2022	Inter Departmental competition - Beikost: Transitional Period	Awareness among the students about the Beikost for infants	100 Students
147.		27.08.2022	Inter Departmental Competition - “Adzap	Complication of Artificial Feeding	70 Students
148.		30.09.2022	Intra Departmental Competition - e - poster	World of Flavors	200 Students
149.		23.3.2022	Food Expo & Competition	Indigenous Foods	300 Students
150.		17.3.2022	Intra department Knowledge Exchange Programme	Shelf life analysis of Food	60 Students
		<b>All 4 Participating Department</b>			



151.	2018-19	15.02.2019 16.02.2019	National Workshop on Intellectual Property Rights (WIPR-19)	Workshop	350
152.		26.02.2019 - 27.02.2019	National Symposium on Research Graduate – 2019	Symposium	980
153.		28.2.2019	National Science Day Celebration at Schools at District of Tirupur (KanakamPalayam ,Pandi Nagar And Ponvila Colony Govt. Primary Schools) Conducted Competitions like Drawing, Picture Identification, Storytelling, Quiz etc., to School Students	Popularization of Science	703(10 Schools)
154.	2019-20	21.02.2020 - 22.02.2020	National Symposium on Research Graduate – 2020	Symposium	1000
155.		26-02-2020 - 28-02-2020	National Science Day	Science day celebration	3000(30 Schools at Tirupur District)

## 9 (12) Books/ journals subscribed from grants - 15

S.No	Department	Name of the Book / Journal	Areas of Importance	Student Beneficiaries	No. of Units	Outcome
1	MB	Microbiological Examination methods of food and Water by De Silva	Food & Water Microbiology	255	1	Skilled on Food & Water Quality Analysis
2		Molecular Biology A practical manual by Sharma	Biotechnology	255	1	Skilled on Molecular Techniques
3		Phytochemicals a Practical Approach by Dayal	Phytomedicine	255	1	Skilled on Phytochemistry
4		Microbiology manual by Cappuccino	General Microbiology	255	1	Skilled on Basic techniques of Microbiology
5		Manual of Phycology	Algae	255	1	Knowledge on Algae
6	BC	Bioethics and Biosafety in Biotechnology By SREEKRISHNA	Safety measures	241	1	Knowledge on safety and ethics
7		Intellectual Property Rights By GANGULY	IPR	241	1	Basic knowledge on IPR
8		Gene Cloning and DNA Analysis	Genetics	241	1	Strategies on gene cloning
9		Handbook of Organic	Organic	241	1	Principles and practices on

		Farming	farming			Organic farming
10	N&D	Food chemistry-chopra		250	1	Knowledge on Food Chemistry
11		Food chemistry-Meyer		250	1	Knowledge on Food Chemistry
12		Nutraceutical Functional Foods 2 vol set-Chavan		250	1	Knowledge on Nutraceuticals
13		Functional Foods and Nutraceuticals-Singh		250	1	Knowledge on Nutraceuticals
14		Advanced Nutrition-Berdanier		250	1	Knowledge on Nutrition
15	BT	Molecular Cloning – a Laboratory Manual	Biotechnology	240	1	Skilled on cloning techniques

### 9 (13) Out reach activities (Popularlectures) -104

S.No	Academic Year	Date	Type of Activity	Focus area	Beneficiaries
<b>Biochemistry</b>					
1.	<b>2018-19</b>	20.7.2018	An Awareness Programme on “Drug Abuse and Illicit Trafficking” for Public of PeriyaThadagam Village.	Social issue	150
2.		11.09.2018	An Awareness Programme on “Child sex abuse” at Panchayat Union primary school, Thadagam Village	Social issue	50
3.		12.02.2019	Health camp for Public of Kaikolampalayam Village	Health	50
4.		28.02.2019	National Science Day Celebration 2019 at Government primary School, Avinashi	Educational institution	83
5.		28.02.2019	National Science Day Celebration 2019 at Pongupalayam Government Primary School, Thirupur.	Educational institution	53
6.	<b>2019-20</b>	21.06.2019	Pamphlets issue to College students	Health Benefits of Yoga (NATIONAL YOGA DAY)	100 College students
7.		19.07.2019	Awareness Camp for General Public	Leptospirosis	50 General Publics
8.		20.07.2019	Health camp for Housekeeping ladies	Blood Glucose and Hb Analysis	70 House keeping ladies
9.		28.07.2019	Awareness program for General Public	Hepatitis (World Hepatitis Day 2019)	50 General Publics
10.		13.08.2019	Awareness program for college students	Organ donation	100 College students

11.		26.02.2020	Competitions for school students	National Science Day (Theme: Women in Science)	20 School students
12.		12.03.2020	Awareness program for General Public	Survey study	50 General Publics
13.	<b>2020-21</b>	28.03.2021	Extension activity on “Non degradable Plastic Collection	Environment Pollution	50 Students
14.	<b>2021-22</b>	20.12.2021	Field Visit to Kurudampalayam Panchayat	Solid Waste Management	
15.		21.02.2022	Outreach Programme	Awareness E-Quiz	
16.		10.09.2022	<b>Topic:</b> Segregation of Waste at Home (26 <sup>th</sup> Sep 2022-World Environmental Health Day)	Segregation of Waste at Home	<b>Beneficiaries:</b> Public Nelliathurai Village
17.	<b>2022-23</b>	29.10.2022	Extension activity “Awareness on Health and Hygiene”	Nellithurai	60
<b>Biotechnology</b>					
18.	<b>2018-19</b>	08.09.2018	“Drug Abuse and Addiction Awareness” at ChinnaThadagam.	Social issue	General Public, ChinnaThadagam
19.		25.09.2018	Awareness Programme on“ Prevention of Breast and Cervical Cancer”	Public health	House Keeping Ladies of Dr. N.G.P Arts and Science College
20.		25.09.2018	Outreach Programme on “ Cancer Prevention”	Public health	B. Ed., Students Dr.N.G.P.College of Education
21.		11.02.2019	Awareness on drug abuse	Social issue	General Public, Veeriyampalayam
22.		11.02.2019	Awareness on drug abuse	Social issue	General Public, Karuppurayampalam
23.		11.02.2019	Awareness on drug abuse	Social issue	General Public Kaikolampalayam
24.		28.02.2019	Microscopic Observation of Plant Cells	Educational institution	School Students Govt. Middle School Perumanallur.
25.	<b>2019-20</b>	07.09.2019	Awareness Program at Periyathadagam village	Water Management - The need of the	70 General Public

				hour	
26.		01.02.2020	Awareness Program at Appanaikanpatti Village	Organic Farming - A Step to Sustainable Agriculture	100 General Public
27.		17.03.2020	Awareness Program for Non-teaching staff at Dr. N.G.P. ASC	Awareness on COVID 19 and distribution of hand sanitizers prepared by Department of Biotechnology	30 Non-teaching staff
28.	<b>2022-23</b>	08.10.2022	Extension Activity	Planting of Trees to save the Mother Earth as part of Krishi Vanik Yojana	65
29.		11.02.2023	Extension Activity	Renewable Energy	65
<b>Microbiology</b>					
30.	<b>2018-19</b>	21.7.18	Awareness on Self Medication through Door to Door campaign at PeriyaThadagam Village, Coimbatore	Health	100
31.		21.7.18	Awareness on Immunization against Lethal Diseases PeriyaThadagam Village, Coimbatore	Health	100
32.		29.7.18	Liver Safety Awareness Programme (World Hepatitis day) for Dr.N.G.P. Arts and Science College Students	Health	300
33.		15.10.2018	“Celebration of World Hand Wash day – Hand Wash practice” for Dr.N.G.P. Arts and Science College Students	Health & Hygiene	65
34.		30.1.2019	Awareness on Zoonotic diseases and Personal Hygiene at PeriyaThadagam Village	Personal Hygiene	300
35.		08.2.2019	Awareness on Water Borne and Zoonotic	Water Borne and	600

			Diseases at Veeriyampalayam, KarupparayanPalayam and Kaikolampalayam Villages	Zoonotic Diseases	
36.		23.7.2018	Awareness on Personal Hygiene by UG Students to School children	Personal Hygiene	50
37.		12.8.2018	Survey on Pathogens & Diseases among General Public by UG Students to General Public	General Public health	150
38.	<b>2019-20</b>	25.07.2019	Awareness Program at Veeriyampalayam and Kalapatti	Food safety and personal hygiene to road side food vendors	100 General Public
39.		16.08.2019	Awareness Program with YRC for College students	Leprosy	100 Students
40.		04.01.2020	Awareness Program at Periyathadagam village	Diphtheria& DBT Vaccination -	100 General Public
41.		15.02.2020	Awareness Program for Lab Assistants	Oral Health: A Glimpse of our Overall Health - Dr.S.K.Lakshmi Priya, Dentist, Hopes, Coimbatore.	30 Lab Assistants
42.		17.02.2020	Awareness Program for College Students	COVID-19 (corona Virus)	500 Students
43.	<b>2020-21</b>	04.02.2021	Awareness Programme On "Leprosy is a Curable Disease" (On observation of Leprosy Day- 30 <sup>th</sup> January)	Rural General Public health awareness at Veeriyampalayam village	200
44.		23/03/2021	Covid vaccine Awareness (On observation of World Vaccine day 17 <sup>th</sup> March)-	College faculties & Students	250
45.	<b>2021-22</b>	25.04.2022	Awareness program on "Vector Borne Disease" on observation of World malaria day	Field visit to Nelliththurai and Velliankadu village	General public

46.		25.04.2022	Consequences of Self medication	Field visit to Nelliththurai and Velliankadu village	General public
47.		27/08/2022	Creating awareness on Vector Borne Diseases among the <b>General Public at Nellithurai village</b>	Nelliththurai Village	General public
48.		29/10/2022	Awareness program on "Need of Hygiene, Healthy Life Style for Combating Autoimmune disorders" for Elderly people	General public of Nellithurai village	General public
49.	<b>2022-23</b>	27.08.2022	Awareness	Vector borne disease	300 General public
50.		29.10.2022	Awareness	Role of Probiotics In Human Health	400 General public
51.		28.02.2023	National Science Day Celebration-2023- Competition “ Quiz, Oratorical, Drawing for Govt. School Students	Global Science for Global Wellbeing”	120 School students
<b>Food Science and Nutrition</b>					
52.	<b>2018-19</b>	31.7.2018	Cooking Contest-Snacky Feast for Expectant and Lactating Mothers.	Lactating Mothers.	200 students
53.		12.9.2018	Fruits and Vegetable Preservation-Hands on Training Programme for SHG.	Fruits and Vegetable Preservation	SHG Women.
54.		01.8.2018	Awareness Campaign at Village, Urban Health Centre, Peelamedu.	Awareness	Pregnant And Lactating Women.
55.		03.8.2018	Friday Assembly-‘Slogan Oath’, Issuing Pamphlets.	Nutrition education	Students of Dr.N.G.P Arts and Science College
56.		02.8.2018	In – House on the Importance of Nutrition Among Expectant and Lactating Women, Poster Competition-Breast Feeding Foundation of Life	Poster Competition	All Undergraduate and Post Graduate Food Science and Nutrition Students.
57.		06.8.2018	Skit (5 Min)	Importance Of Breastfeeding	All Undergraduate Food Science and

				Nutrition Students.
58.	12.09.2018	Hands on Training Programme for SHG.	Product Development	SHG Women.
59.	28.09.2018	Creating Awareness About Nutrition for School Children Among Icds Workers.	Awareness	All Undergraduate and Post Graduate Food Science and Nutrition Students.
60.	28.09.2018	Food Expo in Collaboration with ICDS, Guest Lecture and Slogan Competition.	Food Expo	All Undergraduate and Post Graduate Food Science and Nutrition Students.
61.	10.12.2018	Nutrition and Health Education for Transport Employees.	Health Education	Transport Employees of DR.N.G.P. Educational Institutions.
62.	11.02.2019	Awareness on Importance of Iron and Folic Acid Rich Foods Among Pregnant and Lactating Mothers at Kovilpalayam, Coimbatore.	Awareness	Pregnant and Lactating Mothers.
63.	12.02.2019	Nutrition Education about Hypertension, Diabetes, Normal Haemoglobin Levels and BMI at Kaikolapalayam, Coimbatore in Collaboration With Biochemistry Department and NSS of Dr.N.G.P.Arts and Science College.	Nutrition Education	Rural Pregnant and Lactating Women, Elder Adults and Children.
64.	12.02.2019	Formulation of Low Cost Iron and Protein Enriched Snacks for Pre-School Children at Vilankurichi, Coimbatore.	Pre-School Children	Pre-School Children,
65.	12.02.2019 - 13.02.2019	Awareness on Nutritional Deficiencies Through Puppet Show.	Awareness	Undergraduate Food Science and Nutrition Students.
66.	13.02.2019	Create Awareness and Disseminate The Need for Iron Rich Nutritious Foods Among Women at Poombukar Nagar, Saravanampatti, Coimbatore.	Awareness	Rural Women and Adolescent Girls.

67.	13.02.2019	Importance Of Iron Rich Foods & Anemia Free World Through Puppet Show.	Puppet Show	Undergraduate Food Science and Nutrition Students.
68.	14.02.2019	Demonstration of Nutritious Recipes Among Anganwadi Workers at Kovilpalayam, Coimbatore.	Nutritious Recipes	Anganwadi Workers.
69.	28.02.2019	National Science Day Celebration- Extension Activity at Schools Kanakampalayam and Vaavipalayam.	Competitions	Govt School Children
70.	04.03.2019	Impact of Nutrition Education on Iron Among Adolescent Girls.	Nutrition Education	Undergraduate DBT Students.
71.	26.7.2019	Oath taking- empower parents- enable breast feeding now and for the future	WORLD BREAST FEEDING WEEK CELEBRATION	7000 members
72.	31.7.2019	Nutrition education at primary health centre, Peelamedu, Coimbatore	Education to post natal mothers	50 post natal mothers
73.	01.08.2019	Nutrition education at Urumandampalayam, Coimbatore	Education to pregnant and lactating mothers	50 post natal and pre natal mothers
74.	02.08.2019	Nutrition education at Kaikonampalayam, Coimbatore	Education to pregnant and lactating mothers	50 post natal and pre natal mothers
75.	2019-20 03.08.2019-04.08.2019	Awareness on social media	Importance of breast feeding	1000 general public
76.	05.08.2019	Nutrition education at GH, coimbatore	Education to pregnant, lactating mothers & their family members	300 general public
77.	06.08.2019	Rally with NSS students from Women's Polytechnic College to VOC Park, Coimbatore	Awareness about the importance of breast feeding	275 students
78.	07.08.2019	Nutrition education through puppet show at KMCH, Coimbatore	Importance of breast feeding	100 general public
79.	08.02.2020	Survey - nutrition assessment	Anthropometrical	50 member



			data collection for transgender community	
80.		10.02.2020	pamphlet issued and Awareness program at The N. G. P school, Kalapatti, Coimbatore	Deworming 200 students
81.	<b>2020-21</b>	02.08.2020	Special lecture on Importance of diet for Pregnancy& Lactation during COVID-19 and creating awareness on Importance of breast feeding through social media (Facebook)	Pregnancy& Lactation during COVID-19 50 students and 120 general public
82.		03.08.2020	Creating awareness on Importance of Breast Milk for adult female students	Importance of Breast Milk 80 students and 60 general public
83.		04.08.2020	Lecture on Physical and Mental Health during antenatal& postnatal care and competition for DBT students	Physical and Mental Health 100 students and 60 general public
75.		05.08.2020	Nutritional Support of Prenatal Women-A boon for Lactating mother through webinar	Nutritional Support of Prenatal Women 60 students and 60 general public
76.		07.08.2020	Lecture on Herbs & Species for Supporting Breastfeeding during COVID-19&competition for intra collegiate	Herbs & Species 50 students, 30 faculties and 80 general public
77.		29.10.2020	Guest lecture on premenstrual and menstrual syndrome among adolescent girls for computer female students	premenstrual and menstrual syndrome 60 students and 60 general public
78.		31.10.2021	Alumni interaction: Scope of Entrepreneurship Development in Digital Marketing Related to Food Science	Entrepreneurship Development 150 Students
79.		06.03.2021	Awareness campaign on Food Wastage to general public	Food Wastage 50 general public
80.	<b>2021-22</b>		Extension Activity through social media- You tube and Instagram -Through Google meet	social media UG and PG students , Dr.N.G.P.Arts and Science College
81.		02.08.2021	Webinar on Awareness on Breastfeeding-	Brestfeeding Food Science and

		Dr.MalikaNeminathan Managing director of Coimbatore Child Trust Hospital Singanallur		Nutrition students
82.	03.08.2021	Webinar on Support Breast Feeding for a Healthier Planet-Roshini .S.V, Dietitian,Certified Diabetes Educator ,Ashok Nagar, Chennai	Brestfeeding	UG Food Science and Nutrition
83.	04.08.2021	Webinar on Rights to Protect, Promote, and Support Breast Feeding- Mr.P.Krishnamoorthy, Registered Dietitian, Venkateshwara Hospital,Chennai	Brestfeeding	PG Food and Nutrition
84.	05.08.2021	Webinar on Protect Breastfeeding: Where lies the Responsibility- Dr.Diviya Arun, Obstetrician &gynecologist FemmedClinic,porur,chennai	Brestfeeding	PG Female students for other Departments
85.	29.09.2021	Webinar on Cardiac Health	Health	Community people
86.	30.09.2021	Webinar on Get Fit with Food - V.Vishnu Priya Free lancer Nutritionnist/Dietitian Priyas Diet		Food Science and Nutrition students
87.	30.09.2021	Halos and Hallows of Functional foods - Dr.MaheshShivananjappa, Assistant Professor Dept of Food Science and Nutrition Yuvarajas college University of Mysore, India	Functional Foods	Food Science and Nutrition students
88.	28.09.2021	Webinar on Food Pattern for Anti natal mothers	Food Pattern	Anti natal mothers
89.	23.09.2021	Webinar on nutrition Deficiency in pediatric	Pediatric Deficiency	Community people
90.	22.09.2021	Webinar on Severe Acute Malnutrition	Malnutrition	Community people(ICDS)

91.	07.08.2021	Webinar on Protect Breastfeeding a Shared Responsibility	Brestfeeding	Pre & Postnatal Mother
92.	06.08.2021	Webinar on Complementary Feeding on Infants for Pre and Postnatal Mothers	Brestfeeding	Pre & Postnatal Mother
93.	13.04.2022	Creating an Importance of Water Consumption” at Panchayat Union Primary School, Periyathadagam	Water Consumption	Panchayat Union Primary School students, Periyathadagam
94.	16.04.2021	World Health Day-2021 Webinar on Healthy Food Paves the way for Healthy Womenhood	Food Paves	70 Parents of Dr.N.G.P. School Children
95.	17.04.2021	World Health Day-2021 Webinar on Nutrition and School Goers	School Goers Health	80 Dr.N.G.P. School Children
96	02.08.2022	Pros and Cons of breastfeeding for pregnant and lactating mother at KMCH, Coimbatore	KMCH	Pregnant and lactating mother
97	05.09.2022	Recipes Incorporating Various Spices	II & III UG FSN Students	Common Public of Karamadai
98	05.09.2022	A Puppet Show on Significance of flavors	II & III UG FSN Students	Common Public of Karamadai
99	2.08.2022	Extension activity on pros and cons of breastfeeding for pregnant and lactating mothers at KMCH, Coimbatore.	Community Nutrition	Pregnant and Lactating Mothers.
100	8.08.2022	Spread awareness on “Indigenous Food for Infants” and Puppet show.	Community Nutrition	I B. Sc Food Science and Nutrition.
101	05.09.2022	Outreach Programme - World of Flavor Recipes incorporating various spices.	Food Science	Common public of Karamadai.
102.	05.09.2022	Outreach Programme - A Puppet Show on significance of flavours.	Community Nutrition	Common public of Karamadai.
<b>All Participating department</b>				
103	17.07.2019	Students Visit to Nilgiri Biosphere National Park	Apiray Training	15
104	07.12.2019	Students Visit to SenapathyKangeyam Cattle Research Foundation (SKCRF)	Water Conservation	1000

## 9 (14) Colleges mentored to apply for DBT Star College grants

- We have given guidance to apply DBT Star College scheme under strengthening components to RVS College of Arts and Science, Sri Krishna College of Arts and Science, Nehru Arts and Science College.
- Faculty Members from RVS College of Arts and Science and Nehru Arts and Science College, they came for 5<sup>th</sup> Task Force Meeting organized by Pondichery University during 18<sup>th</sup> – 20<sup>th</sup> April, 2019 to observe the meeting. After that they applied and received grant from DBT.

## 9 (15) Invited lectures - 157

S.No.	Academic Year	Date	Name & Designation of the guest faculty	Topic	Beneficiaries
<b>Biochemistry</b>					
1.	<b>2018-19</b>	12 <sup>th</sup> Sep, 2018	Prof. M. N. Ponnusamy, Department of Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai	“Biomolecules – Tools for social relevance”	All life science students (860 Nos) and Faculties
2.		11 <sup>th</sup> Feb, 2019	Dr. Gurusamy Hariharasudhan Assistant Professor Cancer Mutation Research Center (CMRC) Department of Cellular and Molecular Medicine Chosun University, Gwangju- 501759 South Korea	“DNA Damage Repair Response”	All Biochemistry students and Faculties (240 Nos)
3.		20 <sup>th</sup> Feb, 2019	Mr. S. Sivakumar, Head-Textile Chemistry Division, The South Indian Textile Research Association, Coimbatore	“Good Laboratory Practices and Lab Management”	Faculty of Bioscience, Basic and Applied Science Lab Assistants
4.	<b>2019-20</b>	28.06.2019	Dr. Murugesw Eswaran, Research Scientist I, Nutritional Improvement of crops, International Centre for Genetic Engineering and Biotechnology, New Delhi	Machine Learning on Biotechnology: Pooling Perspectives	230 students
5.		12.07.2019	Prof. Senthikumar N, Department of , Aizawl Biotechnology, School of Life	Personalized Genomic Medicine	230 students

			Sciences, Mizoram university		
6.		16.09.2019	Prof.Dr.V.Nethaji, Chief Scientist, Department of inorganic and Physical Chemistry, IISC, Bangalore	Biotechnology of DNA Cleaning for Photodynamic Therapy	400 students
7.		17.12.2019	Dr.SatheeshBabu Natarajan, Associate Professor and Head,Department of Pharmaceutics,Faculty of Pharmacy,2Lincoln University College,Malaysia.	Recent Advancements in Liposomal Drug Delivery System	230 students
8.		01.02.2020	Dr. P. Siddhuraju, Professor and Head, Department of Environmental Science, Bharathiar University, Coimbatore.	Laboratory Waste Management	230 students and 12 Lab assistants
9.	<b>2020-21</b>	22.06.2020	Mr.M.R.Janakiraman Cognitive Psychologist & Family Counsellor, Family Chemistry Foundation of India, Chennai	Stress Management	240 students
10.		22.06.2020	Mr.K.Shanmugasundaram SKY Yoga Professor World Community Service Center, Aliyar	Yoga in Healthcare	240 students
11 .		10.07.2020	Dr.Ramesh Kumar Krishnan Post Doctoral Research Scientist Excellence Cluster Cardio-Pulmonary Institute Justus Lieburg University Giessen, University of Giessen and Marburg Lung Centre, Germany	Regulation of NF-kB Signalling Cascade in Breast Cancer	248 students
11.		03.08.2020	Dr.MariamammalPappu HOD,Paediatric Nursing KMCH College of Nursing Coimbatore	Mom's Milk is Baby's Rights	100 students
12.		29.10.2020	Mr.H.Aravind Ph.D Scholar Tata Institute of Fundamental Research Hyderabad	A Path for Higher Education	100 students
13.		20.11.2020	Mrs.Deepa.S, Clinical Scientist, Classification Team, CENTOGENE AG, Rostock, Germany	Medical Diagnosis of rare genetic disorders :transforming analytical information into	240 students

				actionable results'	
14.	2021-22	01.06.2021	Dr.Murugesheaswaran Co-Principal Investigator-Indo-Spain Collaborations Project and Genome Cluster Facility ICGEB, New Delhi.	Virtual Invited Lecture- Under DBT-Star College Scheme Topic- Machine's Learning 2020 to Address the Problem of 2050; An Exemplary Examples in Computational Biology	
15.		04.06.2021	Dr. Rajeev J Mudakavi Assistant Professor, Department of Pharmaceutics, Ramaiah University of Applied Sciences, Bangalore.	Biozenith Association Lecture Series Topic- Search for Covid Drugs- Hits and Misses	
16.		04.06.2021	Prof. SumanKundu, Professor, Department of Biochemistry, University of Delhi South Campus, New Delhi	Biozenith Association Lecture Series Topic- Haemoglobins- The Red Goldmine	
17.		05.06.2021	Dr. Ganesh Muthuram K Assistant Professor PSG Arts and Science College, Coimbatore	Center for Language Learning & Department of Biochemistry Lecture Series on May – June 2021 Topic- English by Yourself	
18.		06.06.2021	Mr. MuthukrishnanThangaya, Deputy Manager, WNS Global Services Limited, Gurgaon, Haryana	Virtual Invited Lecture- Under DBT-Star College Scheme. Topic-Scientific Writing	
19.		08.06.2021	Dr.Kalaiselvi Senthil Assistant Professor-SG Dept. of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	Virtual Invited Lecture- Under DBT-Star College Scheme Topic- Gene Editing-Principles and Application	
20.		10.06.2021	Dr.N.Senthilkumar Scientist E Institute of Forest Genetics and Tree breeding (IFGTB)-	Virtual Invited Lecture- Under DBT-Star College	

		Indian Council of Forestry Research and Education (ICFRE) Coimbatore	Scheme Topic- Bioprospecting from Forest Resources	
21.	10.06.2021	Dr.G.Dhanavathy Assistant Professor Department of Biotechnology SRM Institute of Science and Technology Kattankulathur	Virtual Invited Lecture- Under DBT-Star College Scheme Topic- Regeneration of Pancreatic-Beta cells in Type 2 Diabetes mellitus by a folklore antidiabetic lead Swertiamarin	
22.	07/08/2021	Dr. PreethiMarimuthu Director Biofarm Group Companies Coimbatore	Virtual Bioface Invited Lecture-Under DBT-Star College Scheme Topic- Bioscience Entrepreneurship, Innovation and Sustainability.	
23.	01/09/2021	Dr.Karan Veer Singh, Senior Scientist (Animal Biotechnology), National Bureau of Animal Genetic Resources (ICAR- NBAGR) Karnal, Haryana	Virtual Invited Lecture- Under DBT-Star College Scheme Topic- Primer Designing and Application in PCR	
24.	11.01.2022	Prof. Sakthivel Sadayappan Ph.D., MBA., Professor of Internal Medicine, University of Cincinnati College of Medicine	Virtual lecture on “Groundbreaking Recent Advances in Genetic Heart Diseases”	
25.	16.08.2022	Dr. P. EKAMBARAM Associate Professor Molecular Toxicology Laboratory Department of Biotechnology Bharathiar University Coimbatore - 641 046.	<b>Topic:</b> Alternatives for Animal Models in Biomedical Research	56 Students of biochemistry

26.		16.08.2022	Dr.P.Vinayagamoorthi Assistant Professor Department of Human Genetics and Molecular Biology Bharathiar University Coimbatore-46		
27.		25.08.2022	<b>Dr. V. Manjunath Aradhya</b> Associate Dean (Research), JSS Science and Technology University, Mysuru, Karnataka.	National Conference on AI and IoT for Agriculture Innovation and Environment Sustainability in association with Centre for IoT sponsored by DBT-CTEP	300 Students benefited.
28.		&26.08.2022	<b>Dr. J. V. Bibal Benifa,</b> Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Kottayam, Kerala.		
29.			<b>Dr. M. Senthil Kumar,</b> Assistant Professor, Horticultural Research Station, Yercaud, Tamil Nadu.	National Conference on AI and IoT for Agriculture Innovation and Environment Sustainability in association with Centre for IoT sponsored by DBT-CTEP	300 Students benefited.
30.		25.08.2022 & 26.08.2022	<b>Dr. M. Kalpana,</b> Associate Professor (Computer Science), Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.		
31.			<b>Dr. Raja,</b> Principal Scientist, Central Institute for Cotton Research, Regional station-Coimbatore, Tamil Nadu		
32.	<b>2022-23</b>	12.10.2022	Dr. M.S.A. Muthukumar Nadar, Assistant professor , Department of Biotechnology, Karunya Institute of technology and sciences , coimbatore	Scope and opportunities in life sciences	150 Students of biochemistry
33.		08.10.2022	Dr. Rachana Sharma, Assistant Professor, Department of Biochemistry, Dr.N.G.P Arts and Science College, Coimbatore	Snake Venom Pharmacology	30 Faculty



35		12.10.2022	Dr. M.S.A. Muthukumar Nadar, Assistant professor , Department of Biotechnology,Karunya Institute of technologyand sciences , Coimbatore	Scope and opportunities in life sciences	76
36		10.01.2023	Dr.A.Indhulekha, Professor and Head, Department of science and Humanities, SriKrishnaCollege of Engineering and Technology, Coimbatore	Health and Hygiene	76
37		09.02.2022	Dr.R.Vivek ,Assistant professor/ DBT Ramalingaswami Reentry Fellow, Bio Nano Therapeutics research Laboratory, Cancer Research program , School of life sciences, Department of Zoology, Bharathiar University, Coimbatore	Development of nanotheranostic approaches to management of cancer	76
<b>Biotechnology</b>					
38	<b>2018-19</b>	21.1.2019	Prof. Dr. Ramesh Subbiah Post Doctoral Research Fellow Georgia Institute of Technology USA	Material Science and Design Principles of Growth factors delivery system for tissue regeneration	Students of Biotechnology (250 Nos)
39		22.2.2019	Dr. S. Jaganathan Assistant Research Officer Pasteur Institute of India Coonoor, Nilgiris	Trends in Microbial Vaccine Production	Students of Biotechnology (250 Nos)
40		21.1.2019	Prof. Dr. Ramesh Subbiah Post Doctoral Research Fellow	Material Science and Design Principles of Growth factors	Students of Biotechnology (250 Nos)
41			Georgia Institute of Technology	delivery system for tissue	
			USA	regeneration	
42		22.2.2019	Dr. S. Jaganathan Assistant Research Officer Pasteur Institute of India Coonoor, Nilgiris	Trends in Microbial Vaccine Production	Students of Biotechnology (250 Nos)
43	<b>2019-20</b>	22.06.2019	Dr. M. Rajkumar, Professor, Department	Microbe mediated	107

			of Environmental Sciences, Bharathiar University, Coimbatore	mitigation of multiple environmental stress in plants	
44		22.06.2019	Dr. S.S. Sudha, Programme Co ordinator, DBT STAR College Scheme, Dr. N.G.P. Arts and Science College, Coimbatore	In house Lecture on Benefits of DBT STAR College Scheme	107
45		27.06.2019	Dr. Geetha .N, Assistant Professor, Department of Studies in Biotechnology, University of Mysore, Mysore	Nanobiotechnology – Prospects and Applications	171
46		05.08.2019	Dr. Natarajan Velmurugan, Scientist – CSIR-NEIST & DST INSPIRE, Branch Laboratory, Itanagar, Arunachal Pradesh	Development of Biotechnological Processing with microalgae and plant using flow cytometry and next generation sequencing approaches	113
47		12.09.2019	Dr. S. Sathyamoorthy, Senior Researcher and Consultant, Insilicogen, Inc. Yongion, Gyeonggi-do, South Korea	Uses of Bioinformatics Tools	71 Students
48		08.01.2020	Alumini Interaction Via Skype by Mr.Vignesh Balamurugan- Center for Cancer Research and Cell Biology, Queen's University Belfast, United Kingdom	Opportunities for Biotechnology students in United kingdom	56 Students
49		09.01.2020	Mrs. N. Mangaleshwari Manjari Assistant Professor in Psychology & Student Counsellor, KMCRET, Coimbatore	Promotion of Mental Health and Suicide Prevention	250 Students
50		01.02.2020	Dr. V. Bharath Kumar, Assistant Professor, Department of Faculty of Applied Sciences, Ton Duc Thang University, Vietnam	Biomarkers	200 Students
51		05.02.2020	Shanmughapriya Santhanam, PhD, Assistant Professor Heart and Vascular Institute, Department	Mitochondrial Calcium, the signal integrator for cellular metabolism	250 Students

			of Medicine Department of Cellular and Molecular Physiology Pennsylvania State University College of Medicine, Hershey - 17033		
52		13.03.2020	P.M.Ayyasamy, Assistant Professor, Department of Microbiology, Periyar University, Salem – 636 011	Microbes and Microbial Products for Sustainable Environment and Agriculture	150 Students
53		13.03.2020	Dr. SubashchandraboeseChinnathambi AcSIR Assistant Professor and Senior ScientistNeurobiology Group, Biochemical Sciences Division National Chemical Laboratory (CSIR - NCL) Pune - 411 008, Maharashtra	Who is the Master Mind	150Students
54	<b>2020-21</b>	01.12.2020	EM Shankar PhD FRSB (Lond) FRCPath (Lond) Professor Infection Biology, Department of Life Sciences,Central University of Tamil Nadu, Thiruvavur 610 005.	Mechanistic Aspects of Microbial Pathogenicity Host – Virus Interactions	70 Students
55		24.02.2021	Dr. K. Brindha Narayanan Associate Professor,Department of Animal Biotechnology Madras Veterinary College Chennai - 600 007	Stem cells in Veterinary and Biomedicine	65
56		15.04.2021	Dr.KundlikB.Gadhawe	The Dark side of Alzheimer's disease and intrinsic disorder in amyloid cascade signalling	65
57		04.06.2021	Dr. P.T. Prathima, Senior Scientist (Biotechnology), Sugarcane Breeding Institute, Coimbatore	Application of Markers in Plant Biology	130
58		07.06.2021	Dr. Prasanth Manohar, Post doctoral Scientist, Zhejiang University School of Medicine, China (organized by Department of Chemistry and	Evolution of Corona virus and Genomic Analysis Of SARS CoV2	210

			Biotechnology)		
59		08.06.2021	Dr. Kiruthika Balasubramanian, Secretary, New Jersey Academy of Science, New Jersey, USA	An insight into Cancer – a riveting disease	160
60		09.06.2021	Dr.B.Balamuralikrishnan, Department of Food Science and Biotechnology, Sejong University, South Korea	Livestock agricultural science – influences of feed additives in livestock industry	160
61		10.06.2021	Dr. Muthukumar. M, Senior Scientist, ICAR, Lucknow	Molecular Diagnostics: A Biotech - driven outreach in the current disease pandemics	150
62		11.06.2021	Dr. N. Elangovan, Assistant professor and Head, Department of Biotechnology, Periyar University, Salem	High risk of Parkinson's disease due to environmental toxins: exploring possibilities of treating Parkinson's Disease	130
63		18.09.2021	Dr. N. Sivakumar, Assistant Professor, Department of Molecular Microbiology	Probiotics and its applications	134
64	<b>2021-22</b>	30.09.2021	Dr. G. Mathan, Associate Professor, Department of Biomedical Science	Scientific validation of traditional Tibetain medicine (yukungkarne) against Ovarian Cancer	74
65		29.08.2022	Dr. M.N. Kathiravan, Professor Department of Biotechnology	16S rRNA gene sequencing and Phylogenetic tree construction	08, Faculty members 41, Students 5 Research Scholars
66		02.09.2022	Dr. S. Nakeeran Professor , Dean – Agricultural College and Research Institute (AC & RI) Kudumiyamalai Pudukottai District	Discovery of Biomolecules for management of plant diseases of Global Significance	203

67		14.10.2022	Mrs. Monisha Chander, Senior Data Steward - Product Master Data - Europe, VWR, part of Avantor, Coimbatore	Avenues of skills required in a Profession	Students of Biotechnology
68		29.10.2022	Dr. M. Shanmugavadivu, Associate Professor, Department of Biotechnology	Cancer Chemotherapeutics	Faculty of Biotechnology
69	<b>2022-23</b>	04.11.2022	Dr. R. Ranjith Kumar, Chief Scientific Officer, Viyen Biotech LLP, 5/42, AKS Nagar, Rakkipalayam, Coimbatore	Innovation-A changing relationship between academic and entrepreneurship	235
70		31.01.2023	Dr.M.Prasad, R & D Executive- Industrial enzymes, MarisymBiologicals, Coimbatore	Industrial Enzymes	250
71		21.02.2023	Dr. M.R. Srinivasan, Department of Agricultural Entomology, TNAU	Apiculture for biodiversity and nutritional security	243
		<b>Microbiology</b>			
72	<b>2018-19</b>	16.8.2018	Dr. N. Thajuddin, Professor and Head, Department of Microbiology, Bharathidasan University, Trichirapalli	Micro Algal Biotechnology	900
73		1.2.2019	Blood: The Testament of Life from development to disease	Dr. Kanthesh, Course coordinator, Molecular Biology, Faculty of Life Sciences, JSS AHMER Mysuru	230
74		16.2.2019	Nanotechnology and its Bioapplication	Dr. Yuvraj Haldorai, Ramalingaswami Faculty Fellow, Dept. of Nanoscience, Bharathiar University, Coimbatore	230
75	<b>2019-20</b>	27.07.2019	Dr. B. Anand Kumar, Scientist, IGCAR	Biofilms and its control with molecular biology and bioinformatics tools	280
76		04.09.2019	Dr. Anand Anbarasu, Prof. VIT	Emergence of antibiotic resistance and scope of	28

			bioinformatics approaches to understand the mechanism of resistance”	
77		05.09.2019	Dr. M. Arun, Prof. Bharathiar University	Plant cell culture system and its applications 280
78		18.12.2019	Dr.Kaushik Rajaram, Asst.Prof. Central University, Thiruvavur	In Vitro Display Techniques 280
79		25.01.2020	Alumni Lecture Dr.N.Vijayakanth - ICAR National Research Centre for Banana	Protein Based Diagnostics and its Application in Plant Virus Diagnosis delivered by 280
80		15.02.2020	Dr.S.K.Lakshmi Priya, Dentist, Hopes, Coimbatore.	Teeny Folks: Friends or Foes ? 280
81		24.02.2020	Dr. G. Durairaj, Director, Cell Creep Biotech Bengaluru	Current Trends in Immunotherapy 280
82		03.03.2020	Alumni Lecture Mr. Kavinkumar, Orchid Pharma	Environmental monitoring in Pharma industry 280
83		06.03.2020	Endowment Lecture by T.J. Pandian, Former INSA fellow, MKU, Madurai	Indian Microbiology: A Zoologist View 500
84	<b>2020-21</b>	09.09.2020	Dr. R. Arivukkarasu, Associate Professor, Department of Pharmacognosy, KMCH College of pharmacy, Coimbatore	“Curative Approaches in Indigenous Plants” 100
85		03.11.2020	Ms. R. Dharshana, Microbiologist, Spices Board, Quality Evaluation Laboratory, Kochi	"Getting Geared Up". 120
86		20.02.2021	Ms. Mahalakshmi, Associate Microbiologist, Amway India Enterprises Pvt Ltd, Madurai	“Scope for Microbiologist in Industries” 100
87		27.02.2021	Ms. Josheba Philip, Medical Summarizer, Aosta Software Technologies, Coimbatore	Opportunities for Biologist in Information 80

			Technology”	
88		22.03.2021	Dr. C. Saravanan, HACCP Coordinator Royal food products, Canada	Bioface: HACCP procedures & protocols in food Industry with Specific reference to Microbiology: 100
89		23.03.2021	Dr. P. Karthikeyan, Associate professor, School of management Studies, Kongu Engineering college	Knowledge Exchange Program with Commerce CA on Financial Education Program 60
90	<b>2021-22</b>	03.06.2021	Dr. A. M. Deshmukh, President, Microbiology Society	Invited Lecture on Recent Trends in Microbiology 200
91		30.06.2021	Dr. S. Sivasubramanian, Senior Scientist, King Institute, Chennai	Invited lecture on Virological and Immunological Aspects of SARS CoV2 200
92		07.09.2021	Dr. M. Naveen Kumar, Founder and Managing Director, Immunogenix Biosciences, Chennai	Invited Lecture on “CRISPR – Cas system A modern Genetic engineering tool to detect and cure human disease” 200
93		08.09.2021	Dr. P. Vidhya, Professor and Head, Department of Microbiology, DG Vaishav College, Chennai	Invited Lecture on “Novel and Practical Aspect of Clinical Research” 200
94		13.09.2021	Dr. M. Arun, Assistant Professor, Department of Biotechnology, Bharathiar University, Coimbatore.	Invited Lecture on “Inheritance and Gaucher Disease” 250
95		27.09.2021	Dr. Aruliah Rajasekar, Assistant Professor & Ramalingaswami Fellow, Dept. of Biotechnology, Thiruvalluvar University, Vellore.	Invited Lecture on “Microbial Diversity in the crude oil reservoirs” 250

96		07.12.2021	Mr. Syed Samiullah, Head Operations, Professional Infotech, Coimbatore	Invited Lecture On Health Care and its Opportunities	250
97		28.02.2022	Dr. Jibu Thomas, Professor and Head, Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore	National Science Day celebration Invited Lecture on Innovation for sustainable future in Science and Technology	250
98		22.04.2022	Dr. Kannikaparameswari, Professor, Department of Biochemistry, Dr. N. G. P. Arts and Science College, Coimbatore	Invited Lecture on "Carbon Footprint"	
99		22.04.2022	Ms. A. Regina Elizabeth, Head Trainer, Ideal Medical Coding Academy, Coimbatore	Opportunities in Medical Coding	
100		26.04.2022	Mr. VaratharajPalaniappan, Senior Treatment Supervisor, NTEP, DDMS (TB), Race Course, Coimbatore.	Invited Lecture on "Awareness on Tuberculosis"	
101		12.05.2022	Dr. A. M. Ramachandran, Associate Professor, Department of Microbiology, Dr. N. G. P. Arts and Science College	In house Lecture on "Preventive and Corrective Measures on Lab Safety"	
102		22.08.2022	Dr. R. T. Rajendra Kumar Professor, Department of Nanoscience and Technology, Bharathiar University, Coimbatore.	"Nanobiosensors"	248 Students
103		28.10.2022	Dr. S. Saravanan, Professor & Dean Admin, Dr. NGPASC.	Applications of Statistical tools in Biological Research	10 Faculty
104		15.10.2022	Mr. P. Puvanesan (B.Sc., & M. Sc., 2014-19), Chief Clinical Microbiologist, Sri Kumaran Hospital, Tirupur.	Scope of Medical Microbiology	107 Students



105	2022-23	02.07. 2022	Dr. Yogesh Souche, Emeritus Scientist, NCCS, Pune	Translating science to Business: Gut Microbiota	250
106		22.08.2022	Dr. R. T. Rajendrakumar, Professor, Dept. of Nanoscience & Technology, Bharathiar university, Coimbatore.	Nanobiosensors	250
107		29.03.2023	Dr. Dr. M Gnanadesigan, Associate Professor, Dept.of Microbial Biotechnology, Bharathiar university, Coimbatore	Strategies in Malarial Drug Development	250
Food Science and Nutrition					
108	2018-19	07.8.2018	Dr.Lakshmi,M.B.B.S., Clinical Diabetes UK,USA,GH, Coimbatore.	Benefits of Breast Milk and its Nutritive Value	226 students
109		5.9.2018	Mr.Madhumohan and Mr.VikramanKalidass, Executive Nutritionist,Nestle.	Health Care Nutrition in Todays Hospital Set-Up	226 students
110		2.8.2018	Ms.Rekha and Ms.Jency, Dietitian, GKNM Hospitals.	In – House on the Importance of Nutrition Among Expectant and Lactating Women, Poster Competition- Breast Feeding Foundation of Life.	350 students
111.		28.9.2018	Mrs.Fathima Roshan ICDS CDPO Officer& Mrs.Kavitha, Dietitian, PSG Hospitals,Coimbatore.	Lecture on-Creating Awareness About Nutrition for School Children Among ICDS Workers.	257 students + 30 (ICDS employees)
112	2019-20	05.07.2019	Suganthan S Nair, FPCA Lead instructor, Preventive control for human food, Coimbatore	Quality Assurance in Food as per FFSAI& Awareness on FSSAI Licensing and Initiatives	250 students
113		30.07.2019	Gurdeep Kaur shetty, Dietician, AIIMS, Delhi	Newer tool for dietary assessment and planning	250 students

114		01.08.2019	Dr. Meenakshi Priya, nova fertility centre, Coimbatore	Prevalence of PCOD symptoms in women, nutritional problem and complications during prenatal, postnatal	400 student
115.		03.09.2019	Fathima Rosan, CDPO, S Skulam block, Coimbatore	RDA Requirements of School Going Children and their growth and development	250 students
116		04.09.2019	Ms.Almossajeeth, Fitness consultant, Coimbatore	Workshop on Physical Fitness Activity	60 students
117		13.09.2019	M.Vijayalakshmi, S. Jothimani, ICDS, Coimbatore	Personal Hygiene and hand washing practices	200 students
118		05.12.2019	Alumni lecture Ms. Adhira Devi.A, Dietician Government Hospital, Kerala	Guest Lecture on Malnutrition among Children	50 students
119		18.12.2019	Dr.Saraswathy Eswaran, CEO, Ramaswamy Chinnammal Trust.	Career Opportunities on Bio Industrial Sectors	100 students
120.		07.03.2020	Endowment Lecture by Dr. S. Haripriya, Associate Professor, Department of Food Science & Technology, Pondichery University	Cereal Grains- Functional ingredient for Good Health and Nutrition	350 students
121.	2020-21	01.08.2020	Dr.Deepana.S.N MD(OG) DNB (OG), Consultant Gynecologist and Entrepreneur, Nalan gastro centre and one care medical centre, Coimbatore. Dr.DhariniKrishnanD,M,Sc.,RD, Consultant Dietitian, Chennai	Lecture on Nutrition for the Next Generation and competition for Food science and nutrition	100 students
122.		06.08.2020	Deeptha Sukumar, PhD, Associate Professor Drexel University, College of Nursing and Health Professions, Philadelphia	International webinar on Revitalize with nutrition for lactating mothers	100 students
123.		29.09.2020	Roshan delabandra, Registered nutritionist, grand post award manager, child fund, srilanka	Guest lecture on Malnutrition is a prevailing burden. Lets	150 students

			break the chain	
124.	31.10.2020	Rekha Krishnan, Dietician, Avitis Institute of Medical Science, Palakad	Alumni interaction: The New Era of RDA 2020 Discussion	150 students
125.	31.10.2020	Mursheed, NRC Sholayur Government Family Health Centre	Alumni interaction: : Nutrition Issues of Concern in the Community	150 students
126.	31.10.2020	Varun . P. O, QHSE Officer/Hygienist , Waleed Catering and Services Co.Llc, Sultanate of Oman	Alumni interaction: Outline view of Food Industry Opportunities in Abroad	150 students
127.	03.11.2020	Dr. Jagmeetmadan, national president, Indian dietetic association	Webinar on nutrition priorities in COVID-19	150 students
128.	03.11.2020	Shalini Somasundaram, Chief Dietitian & HOD, Columbia Asia Hospital, Pune	Alumni interaction: Dietitian-Understanding the Scope of Practice	100 students
129.	08.11.2020	Gilbert Zass. R, R & D Officer, Innovative foods Ltd, Kerala	Alumni interaction: An Overview of Food Processing Industry	100 students
130.	12.11.2020	Daphnee. D.K, Chief clinical dietitian & head- department of dietetics, Apollo hospitals, main, chennai	Webinar on enteral & parental feeding: basics & beyond	100 students
131.	04.05.2022	Jelin Ilayaraja, Assistant Director, South regional office, FSSAI	Webinar on Food safety Act	96 Students
132.	13.04.2022	Tapas Chandra Roy, Certified farm adviser of millets, Assistant agriculture officer, department of agriculture and farmers empowerment, government of odisha	Roll of Millets and Business Opportunities for Entrepreneur	96 Students
133.	11.04.2022	Ms.A.Rajeswari, Senior Clinical Dietitian, Head-Department Of Dietetics, Apollo Cancer Center, Teynampet	Webinar on “World Parkinson’s Disease Day- Where We Are and Where We Should	

			Do''	
134.	30.03.2022	Mrs. T.H.Hema, Lecturer, Department of Clinical Nutrition, Sri Ramachandra University, Chennai.	Webinar on Nutritional Anthropometry –Adult and Pediatrics	
135.	29.03.2022	Dr. Lekha .V.S, Deputy General Manager, Head-Dietetics,Apollo Hospitals, Chennai	Webinar on Nutrition and Wellness	
136.	29.03.2022	Dr.H.Prathap Kumar Shetty, Dean R &D, School of Life Sciences, Pondicherry University.	Webinar on Fermentation –A tool for nutritional enhancement	
137.	28.02.2022	I & II M.Sc. Food and Nutrition, Department of Food Science and Nutrition, Dr.N.G.P Arts and Science College, Coimbatore.	Webinar on Integrated Approach in Science And Technology for Sustainable Future	
138.	29.10.2021	Mr.BabuChinnasamy, AayaraFoods,Coimbatore	Webinar on Role of Nutritionist in Food industry	
139	30.09.2021	Dr.MaheshShivananjappa,AssistantProfessor, Dept of Food Science and Nutrition, Yuvarajas college University of Mysore,India	Webinar on Halos and Hallows of Functional foods	
140.	30.09.2021	V.Vishnu Priya , Free lancer, Nutritionist/Dietitian, Priyas Diet	Webinar on Get Fit with Food	
141.	02.09.2021	”-Mr. P. VELMURUGAN, Scientist (Horticulture), Krishi Vigyan Kendra, Thoothukudi	Webinar on “Coconut – A wonder Crop”	
142.	07.06.2021	N.Chellam,AssistantProfessor,Nutrition and Dietetics,Seethalakshmi Ramaswamy College.Thiruchirapalli	Webinar on World Food Safety day: Food A companion - An Anthropological Perspective	
143.	07.06.2021	Dr.Sakthivel Subramaniam M.D., D.M, Medical Director, The Hormone Clinic, Trichy.	Webinar on Hormones and Lifestyle: What you need to know	

144.	04.06.2021	Dr.B.LakshmiShanthi,MBBS, DCH,PGDAP, Consultant pediatrician and adolescent physician, Coimbatore.	Webinar on Lock down woes-Dairy of an Adolescent	
145.	04.06.2021	Dr.PushkalaBadarinarayan,HoD, Associate Professor,Department of prasooti tantra &streeRoga,SDM Institute of Ayurveda and Hospital, Bangalore.	Webinar on Importance of Food In Gynecology	
146	03.06.2021	Ms. Gomathy Gowthamam,Dietitian/Nutritionist Gomathy Gowthamam Diet Nutrition and Weight Loss Clinic, Chennai.	Webinar on Diet plan for different disease condition during pandemic	
147	02.06.2021	Prabhu Gandhikumar, Founder, CEO,TABP Snacks and Beverages,Coimbatore	Webinar on Job roles and skill requirement in food industry	
148.	01.06.2021	Amit C, Vaishnav, Director, Megafood Products Madras (P) Limited, Ambattur, Chennai	Webinar on Nutritional Professional in Food industry	
149	23.04.2021	Dr. SuganyaNachimuthu, Epidemiologist, Prof M Viswanathan Diabetes Research Centre,Royapuram, Chennai	Webinar on Role of day-to-day herbals in Covid-19	80 Students
150	20.04.2021	Dr.T. Mekala, M.A., M.Phil, Ph.D., Assistant Professor, Department of Science and Humanities, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	Webinar on How to Improve your Professional Writing Skills	80 Students
151	1.08.2022	Importance of Nutritional requirement for first 1000 days for lactating mother and infants	Mrs.Fathima Roshan, CDPO, Periyathdagam	28-II UG FSN Students
152	15.09.2022	World of Flavors	Dr.D.Sridevi Professor and Head, Department of Food Science and Nutrition	Faculty of Bio Science
153	1.08.2022	Mrs.Fathima Roshan, CDPO, periyathadgam.	Importance of nutritional requirement	

				for first 1000 days for lactating mother and infants	
154		06.02.2023	Mrs. Geetha, Founder, KGS groups, Coimbatore	Bio Face Elite talk on “Career Opportunities”	
<b>All Four Departments</b>					
155.		04.9.2018	Dr.S.Senthil Kumaran AIIMS, New Delhi	NMR and MRI in clinical applications	900
156.		06.08.2019	Mr.Karthikeya Siva Seenapathy, SeenapathyKankeyam Cattle Research Foundation	Water Conservation Awareness Campaign on Neerenri AmaiayathuUlagu	1000
157.		02.02.2021	Dr.Harikrishnan Research Associate M.S.Swaminathan Research Foundation, Chennai	An Overview of CRISPR Technology in Association with Hinduthan College of Arts and Science	350

#### Industrial Visit: 42

S.No	Academic Year	Date	Industry Name	Beneficiaries
<b>Biochemistry</b>				
1	<b>2018-19</b>	03.09. 2018	“Alchem Diagnostics” Siruvani, Coimbatore	65 students
2		24.09. 2018	“Indian Institute of Food processing Technology, IIFPT, Thanjavur”	59 Students and 3 staff members
3		09.02. 2019	UPASI Tea Research Foundation, Valparai	B.Sc. Students and Staff Members
4	<b>2019-20</b>	29.02.2020	Indian Institute of Science, Bangalore	10 Students
5		16.08.2019	Biosphere National Park , Anaikatti	120 students and 5 faculty members
6		17.08.2019	Centre for Urban Biodiversity Conservation and Education, Coimbatore	40 students and 2 faculty members
7		01.02.2020	EDEN Garden, Mettupalayam,	30 students and 2 faculty members

			Coimbatore	
8		24.07.2019	Central Food Technological Research Institute(CFTRI), Mysore	60 students and 3 staff members
9		18.10.2019	Central Institute of Fisheries Technology, Cochin, Kerala	60 students and 2 faculty members
10		05.08.2019	Incubation centre at TNAU	50 students and 2 faculty members
11		13.09.2019	Indian Agricultural Research Institute, Wellington, Ooty	60 students and 3 faculty members
12	<b>2022-23</b>	17.03.2023	Indian Institute of Science, Bangaluru	59 students
<b>Biotechnology</b>				
13		12.9.2018	National Research Centre for Banana (NRCB), Tiruchirappalli	55 students
14	<b>2018-19</b>	22.09.2018	Pasteur Institute, Coonoor	
15		10.01.2019	Botanical Survey of India, TNAU, Coimbatore	I B.Sc Biotechnology students
16		19.07.2019	National Research Centre for Banana (NRCB), Tiruchirappalli	64 students, 02 faculty members
17	<b>2019-20</b>	16.08.2019	National Facility for Marine Cyanobacteria (NPMC), Bharathidasan University, Tiruchirappalli	59 students and 03 staff members
18		19.07.2019	Potato Research Institute	38 students and 02 staff members
19	<b>2022-23</b>	25.01.2023	Milky Mist, Erode	62 students
<b>Microbiology</b>				
20		12.09.2019	Pasteur Institute, Coonoor, The Nilgiris	55 students and 3 staff
21	<b>2018-19</b>	26.02.2019	SACON (Salim Ali Institute for Ornithology and Natural history), Coimbatore	Students of II B.Sc., and I B.Sc
22		12.02.2020	Pasteur Institute of India, Coonoor	55 students, 2 faculty members
23		24.09.2019	CFTRI, Mysuru	55 students , 3 faculty members
24		08.08.2019	Senthil Papain, Coimbatore	58 students, 2 faculty members
25	<b>2019-20</b>	08/08/2019	Sugarcane Research Institute, Coimbatore	60 students accompanied by 2 faculty members
26		14/09/2019	Agri. Business Dev.Center TNAU	40 students and 2 faculty members
27		30/08/2019	Codissia, Science & Technology FAIR	180 students and 5 faculty members
28	<b>2022-23</b>	17.02.2023	Biotech R & D Laboratories Yercaud -	53 students

			TN.	
29		29.03.2023	Pasteur Institute, Coonoor, TN	62 students
<b>Food Science and Nutrition</b>				
30	<b>2018-19</b>		Aavin industry	
31		08.02.2019	TANTEA, Connor	115 students, 2 Faculty Members
32		15.02.2019	Senthil Papain and Food products private limited, Veerapanur, Pichanur, Coimbatore	61 Students, 2 Faculty Members
33	<b>2019-20</b>	18.07.2019	Sakthi Soyas, Pollachi	63 students and 2 staff members
34		06.09.2019	Kodai Dairy Products, Batlagundu	60 students and 3 faculty members
35		15.02.2020	Doddabetta Tea Factory, Ooty	90 students, 4 faculty members
36		19.02.2020	CFTRI, Mysuru	96 students and 3 faculty members
37	<b>2021-22</b>	17.03.2022	Sakthi Murugan Roller Flour Mill, Avinashi	II B.Sc Food Science and Nutrition and I M.Sc Food and Nutrition Students
38		13.04.2022	Aavin milk processing unit, Pachapalayam, Coimbatore	I B.Sc. Sc Food Science and Nutrition Students
39		20.04.2022	KR Bakes Private limited, Ganapathy, Coimbatore	II B.Sc. students
40	<b>2022-23</b>	11/11/22	Navadhaan Agro Millet Processing Unit	32 Students
<b>All Four Departments</b>				
41	<b>2019-20</b>	07.12.2019	Senaapathy Kangayam Cattle research Foundation, Kangayam, Tirupur	50 students and 7 Faculty members
42	<b>2022-23</b>	31/03/2023	Nilgiri Biosphere Nature Park	60 Students

### Highlights/ Achievements of department during the academic year of 2019-20 (Both faculty and Students)

#### Biochemistry (2018-19)

#### ACHIEVEMENTS OF STAFFS AND STUDENTS

• **Dr.K.Rajathi** , Associate professor, Department of Biochemistry & **Ms. Muthubharathi**, M.Sc Biochemistry, Department of Biochemistry has got fund Rs 7500/. for their project entitled “ Effect of Fucoidan mediated zinc oxide nano particles and the cytotoxic inhibition of trial induced apoptosis in prostate cancer PC3 cells” from **TNSCST** on February 2019 **under student project scheme**.

• **Dr.N.Kannikaparameswari**, Associate professor, Department of Biochemistry has cleared SET Exam on July 2018.

• **Ms.Kanimozhi.P**, II M.Sc Biochemistry has got Best Outgoing Student award by Dr.Kalam Educational Trust for Tribal, Chennai on 28<sup>th</sup> Feb 2019 during National Science Day Celebration.



• **Ms.J.Aswatha**, UG Biochemistry has got admission offer for **M.Sc Drug Chemistry** from Newcastle University, UK. She got 100% British Council Indian Scholarship. She also got offers from other universities such as Northumbria University, University of Leicester, Bangor University, Sheffield Hallam University and Aston University, UK.

• **Mr.T.Aadithiyan**, B.Sc Biochemistry has got admission offer from five universities such as Nottingham Trent University, Sheffield Hallam University, Aston University, Leeds Beckett University and University of Strathelgde, Scotland.

## 2019-20

• III B.Sc. BC Students won First Place in Mime Show Conducted by Department of Biotechnology, Hindustan Arts and Science College, Coimbatore on 28.02.2020.

• II B.Sc. Janani and Jeevarathanam Got 3rd Prize in Short film (Organic Farming) Making Competition conducted by PSGR Krishnammal College of For Women on 29.01.2020.

• II B.Sc. Students Got Prizes in the competitions such as Collage Competition, Elocution in English and Tamil conducted by Regional Science Centre on 20.02.2020 as National Science Day Celebration.

• Ms.Jeevarathnam, of II B.Sc Won First Prize in Photography Competition Conducted by AvinashilingamInstitutue of Home Science for Women on 03.03.2020.

• Ms.Keerthana of II B.Sc Won Third Prize in Poster Presentation Competition Conducted by AvinashilingamInstitutue of Home Science for Women on 03.03.2020.

• Ms. S.D GavyaBharathi of III B.Sc. BC has got admission for M.Sc. Immunology&Inflammatory Disease and M.Sc. Molecular Biology & Biotechnology in University of Glasgow, Scotland and Queen's University,Belfast,Ireland respectively.

• Department of Biochemistry received Best Research Oriented department award at Dr.N.G.P ASC for this Academic year.

• Dr.N.Kannikaparameswari received Best Faculty Award at Dr.N.G.P ASC for this Academic year.

• Dr.C.Venkatesan received Best Mentor Award at Dr.N.G.P ASC for this Academic year.

• Dr.K.Rajathi received Dr.N.G.P Women Ventturous Award on 9th March 2020 at Dr.N.G.P ASC for this Academic year.

• Dr.T.Indhumathi and Dr.K.Rajathi has completed online Refresher Course on “Teacher and Teaching in Higher Education” Conducted by Annual Refresher Programme in Teaching(ARPIT), MHRD, Government of India during the academic year 2019-2020.

• All faculty members completed NPTEL online Courses.

• Dr.S.Gowri and Dr.D.Pradeepa has received award of Topper in Nanobiotechnology Course conducted by NPTEL.

• Dr.S.Gowri has participated in the 'online City Camp on Essentials of Scientific Entrepreneurship' organised by BIRAc Regional Bioinnovation Center @ Venture center in Collaboration with PSG-STEP.

• I B.Sc Student Team selcted for grand finale of Smart india Hackathon 2020.

- Dr.S.Gowri and Dr.K.Rajathi was selected for CSIR Summer research Training at CSIR NEIST and CSIR-IITR respectively.
- Ms.Meena of I M.Sc Biochemistry was selected for summer research training at CFTRI.
- Dr.C.Venkatesan has selected for IASc-INSANA Summer Research Fellowship in 2020 under the guidance of Dr Dinkar Sahal, International Centre for Genetic Engineering & Biotechnology, New Delhi.
- 8 Faculty members, 31 UG and 3 PG students were participated and received online course certificate from IIC -MIC in the areas of innovation, IPR, Entrepreneurship and startups from 28th April 2020 to 22nd May 2020.
- Dr.K.Rajathi and Mr.Lineey Green of I M.ScBc Student was sanctioned with Rs.7500/- from TNSCST for the project entitled "Design and implementation of intelligent biosensors, personal defence devices in smart watches for women sexual harassment.
- Dr.S.Gowri and Dr.D.Pradeepa has applied for research grant in LOI on DBT Maternal and Child Health Program. The Project title is "Genetic predisposition and the development of PCOS - A hospital based cross sectional study- in association with KMCH.
- Dr.S.Gowri and Dr.D.Pradeepa has applied for research grant on the project entitled "Design and development of multipurpose sanitizer wipes for covid-19' in SERB.
- Dr.S.Gowri and Dr.D.Pradeepa has applied for research grant on the project entitled "Lectin adsorbed polystyrene latex particles based agglutination assay for the rapid detection of COVID-19 in TNSCST.
- Dr.K.Rajathi and Dr.T.Indhumathi has applied for research grant in SERB, TNSCST and DIT.
- Dr.N.Kannikaparameswari has applied for Research grant in BRNS and DST-SERB.

## 2020-21

### 1. Staff Recognitions:

S. No.	Name of the Staff	Acted As	Name of the Programme	Date	Venue
1	Dr. Dhana Rangesh Kumar V	Resource Person	NSS Association with Youth Red Cross Organizes webinar on Jan Andolan Campaign on Covid-19,	28.10.2020	Google meet : mwh-yuge-mzu Karpagam Academy of Higher Education

- P.Deepika , M.Kaviya , K.Hariprasath , III B.ScBc students were got seed money for their mini project entitled "Synthesis and characterization of Composite Bioplastic from Calcium Carbonate Nanoparticles and Its Application in Food Industry" from our college management.
- M.Isvarya Bincy.T.Mathew and B.Nithish Kumar III B.ScBc students were got seed money for their mini project entitled "Synthesis and characterization of starch based bioplastic from Elephant Foot yam and its application in medical industry" from our college management during this academic year.
- C.Meena., K.Priya Shivani and Acsah Grace Mathew were got seed money for their mini project entitled "Organic Insecticides prepared using Common Active Ingredients to Control Insect Pests" from our college

management during this academic year.

- Mr. Leneey green II M.sc BC 2020 out gone batch student has been selected for “Best Student project-2020” by Dr.Kalam Educational trust for tribal

S. No.	Name of the Faculty	Name of the Internship/Fellowship	Duration	Venue
1	Dr.S.Gowri	CSIR Summer Research Training Programme (online)	June- August 2020	CSIR-North East Institute of Science and Technology, Jorhat.
2	Dr.K.Rajathi	CSIR Summer Research Training Programme (online)	June- August 2020	CSIR –Indian Institute of Toxicology Research, Lucknow

**2021-22**

#### Staff Recognition:

No.	Name of the Guide	Project Title	Sanctioned Date	Funding Agency
1	Dr.K.Rajathi	Design and implementation of IOT technology in vehicle for accident detection and emergency vehicle tracking (EEE-0766)	12-feb-22	Tamil Nadu State Council for science and Technology(TNSCST)
2	Dr.K.Rajathi	Synthesis of copper oxide nanoparticles using green tea leaf as an effective antimicrobial activity against urinary tract infection and production of organic intimate wipes as its treatment (BS-732)	12-feb-22	Tamil Nadu State Council for science and Technology(TNSCST)

S.No	Name of the Staff	Acceted As	Name of the Programme	Date	Venue
1	Dr.Gowri.S	Resource person	Nano fertilizer	24-12-21	Navarasam Arts and Science college for wome
2	Dr.S.Kathiravan	Resource person	Training Programme on ‘Mushroom Cultivation’	22-12-21	Semmandampalayam, Coimbatore
3	Dr.S.Gowri, Dr.K.Rajathi, Dr.T.Indhumathi, Dr.D.Pradeepa	Faculty Coordinator	"MANAV Scientific Reading and Comprehension Self-Assessment Module (for students)", conducted b	Sep-Oct-21	Project MANAV– The Human Atlas Initiative (Online)
4	Dr.K.Rajathi	Evaluator	29th National Children’s Science Congress	27-29-Dec-21	Forest College and Research Institute, Mettupalayam
5	Dr. Pradeepa D	Guest Speaker	Webinar on “ Covid-19 Diagnosis”	24- 10t- 21	Mahalashmiwomens college of Arts and Science, Avadi, Chennai
6	Dr.T.Indhumathi	Reviewer	Journal	01-Jun-21	Journal of Pharmaceutical International
7	Dr.K.Rajathi	Recognition of a outstanding	Certificate of Excellence in Reviewing	07-feb-22	Asian Journal of Biochemistry, Genetics

		contribution to the quality of the journal			and Molecular Biology 2022
8	Dr.T.Indhumathi	Guest Speaker	Virtual Webinar on “Covid Immunization”	09-Jun-21	Vivekananda Arts and Science College for Women, Thiruchengode

S.No	Name of the Staff	Recognition	Year
1	Dr.S.Gowri	Appreciation for Awards Received, Achievers Day-2019, Dr.NGPASC	2021-22
2	All Members	Most Research Oriented Department, Sri Nalla Gounder Research & Innovation Awards, Dr.NGPASC	2021-22
3	Dr.K.Rajathi	Best Fund Mobilizer, Sri Nalla Gounder Research & Innovation Awards, Dr.NGPASC	2021-22
4	Dr.K.Rajathi	Appreciation for Fellowship, Achievers Day- 2022, Dr.NGPASC	2021-22
5	Dr.K.Rajathi	Evaluator for 29 <sup>th</sup> National Children Science Congress, Tamil Nadu, Tamil Nadu Science Forum	Dec 2021
6	Dr.S.Gowri	Faculty Coordinator for the "MANAV Scientific Reading and Comprehension Self-Assessment Module (for students)”, conducted by Project MANAV– The Human Atlas Initiative in September to October 2021.	Oct 2021
7	Dr.T.Indhumathi		
8	Dr.K.Rajathi		
9	Dr.D.Pradeepa		
10	Dr.N.Kannikaparameswari	Best Club in Extra Curricular Activities (ECO CLUB), Achievers Day - 2022, DR.NGPASC	2020-21
11	Dr.N.Kannikaparameswari	Best Faculty, Achievers Day- 2022, Dr.NGPASC	2020-21
12	Dr.S.Gowri	Best Mentor, , Achievers Day- 2022, Dr.NGPASC	2020-21
13	Dr.S.Kathiravan	Appreciation for Awards Received, Achievers Day- 2022, Dr.NGPASC	2020-21
14	All Members	Most Research Oriented Department, Sri Nalla Gounder Research & Innovation Awards, Dr.NGPASC	2019-20
15	Dr.D.Pradeepa	Appreciation for achiever in NPTEL Exam, Achievers Day 2020, Dr.NGPASC	2019-20
16	Dr.K.Rajathi	Appreciation for Fellowships Received	2018-19
17	Dr.N.Kannikaparameswari	Best Teacher, Achievers Day 2020, Dr.NGPASC	2019-20
18	Dr.N.Kannikaparameswari	Appreciation for competitive exams cleared, Achievers Day 2019, Dr.NGPASC	2018-19
19	All Members	Best Department in the Faculty of Biosciences, Achievers	2018-19

		Day 2019, Dr.NGPASC	
20	Dr.K.Rajathi	Appreciation for fellowships received, Achievers Day 2019, Dr.NGPASC	2018-19

## ACHIEVEMENTS OF STAFFS AND STUDENTS (2022-23)

### Staff Participation and Presentation

- Dr.N.Kannikaparameswari, Dr.T.Indhumathi and Dr.K.Rajathi participated in the Seven days National Level FDP on Teaching and Learning in Higher Educational Institutions organized by IOT Academy held from 6<sup>th</sup> to 14<sup>th</sup> September 2022.
- Dr.T.Indhumathi and Dr.K.Rajathi Presented a paper in the International Conference Confluence of Science and Technology (ICCST) on 15.10.2022 organized by PG and Research Department of Biochemistry, Bharathidasan College of Arts and Science, Erode.
- All the staff members of Department of Biochemistry Completed Infosys Springboard Course on **Human Health and Diseases**.
- All the staff members of Department of Biochemistry FDP on Outcome Based Education organized by FDP Cell of Dr.N.G.P. Arts and Science College and JPSR Solutions on 04.03.2023.
- All the staff members of Department of Biochemistry successfully completed the Professional Development Programme on 'Implementation of NEP 2020 for University and College Teachers' held from 21-29 September, 2022, organized by Indira Gandhi National Open University, Staff Training and Research Institute of Distance Education New Delhi 110068.
- Mrs.S.Divya Priya and Mrs.G.Lalitha participation in International Virtual FDP on Personality Grooming-handling Stress and Emotional Intelligence organized by IQAC and Department of Commerce with Information Technology, PPG College of Arts and Science from 02.01.2023 to 06.01.2023
- Dr.D.Pradeepa presented paper in the 2nd International Conference on Innovation in applied Science held at Mahalakshmi Women's College of Arts and Science, Avadi, Chennai on 3rd February 2023.
- Mrs.S.Divya Priya and Mrs.G.Lalitha participated and Presented a paper in the "International Conference in Food, Bio and Nano Materials" (ICFBN'23) held on March 17th – 18th , 2023 in Faculty of Engineering, Karpagam Academy of Higher Education, Coimbatore, India.
- Mrs.S.Divya Priya and Mrs.G.Lalitha Participated in six days International Faculty Development Program on 'Research Methodologies & Teaching from 10th October to 15th October 2022 organized by Shri Krishnaswamy College for Women & Raise Centre of Excellence, powered by MIT Square, London
- Mrs.S.Divya Priya Participated in IIC Impact Lecture organized by Michael Job College of Arts and Science for Women on the topic "Entrepreneurial Traits: A Discussion" presented by Rtn MPHF Sakthivel Subramanian, managing Director, Sakthivel Group of Companies on 25.06.2022.
- Dr.S.Gowri has participated in 3 day Faculty Development Program on Emotional Intelligence conducted by ICT Academy on 15 Dec 2022- 17 Dec 2022 at Dr.N.G.P.Arts and Science College.

- Dr.N.Kannikaparameswari has attended online National seminar on Significance of Intellectual Property Rights (IPRs) in Current Era on 12<sup>th</sup> Nov 2022 organized by the Department of Biochemistry,PSG College of Arts and Science in Association with PSG Center for Academic Research and Excellence, Coimbatore.

#### **AWARDS, PRIZES AND RECOGNITIONS (staff members and students)**

- Dr.S.Gowri received Fund of Rs.25000 from DBT-CTEP to conduct National Conference on AI and IoT for Agriculture Innovation and Environment Sustainability (N CAIAIES-22) from Aug 25, 2022 - Aug 26, 2022.
- Dr.T.Indhumathi received Young Researcher Award 2022 from InRes Institute of Researchers, Kerala.
- Dr.K.Rajathi Received Young Researcher Award 2023 from InRes Institute of Researchers, Kerala.
- Dr.S.Gowri, Dr.N.Kannikaparameswari and Dr.K.Rajathi acted as Judge for Oral Presentation in the XIV Louis Pasteur International Symposium on Role of Multidisciplinary Research in Microbiology for Sustainable Development held on March 9-10,2023 organized by Department of Microbiology, Dr.N.G.P.Arts and Science College.
- Dr.N.Kannikaparameswari acted as an external member for the 1 st Doctoral Committee meeting conducted for the candidate of PG and Research Department of Biochemistry, Bharathidasan College of Arts and Science, Erode on 01.03.2023.
- Dr.K.Rajathi was Reviewer in International Journal of Plant & Soil Science, Certificate No: SDI/HQ/PR/Cert/96658/DRK, Feb 2023
- Dr.K.Rajathi was Reviewer in Asian Journal of Biochemistry, Genetics and Molecular Biology Certificate No:SDI/HQ/PR/Cert/83234/KRA, Feb 2022.
- Dr.K.Rajathi was Reviewer in European Journal of Nutrition & Food Safety, Certificate No:SDI/HQ/PR/Cert/73158/KRA, 2021.
- Dr.K.Rajathi was Reviewer in Asian Food Science Journal, Certificate No: SDI/HQ/PR/Cert/98488/DRR, April, 2023.
- Dr.K.Rajathi was Reviewer in Asian Journal of Research in Medical and Pharmaceutical Sciences, April 2023.
- Dr.K.Rajathi was Reviewer in Asian Journal of Biochemistry, Genetics and Molecular Biology, Certificate No:SDI/HQ/PR/Cert/97628/DRK, March 2023

#### **Awards by Students**

- Ms.Manorida.G of III B.Sc.Biochemistry received Overall Trophy in 20 th State level
- Intercollegiate Tamil speech competition conducted by Alumni association of PSG College of Technology, Coimbatore on 27.01.2023.
- Ms.Lalithsree of III B.Sc.Biochemistry received 3 rd prize in Pencil Sketch Competition Conducted during NGP FEST 12.01.2023.

- Ms.Yashmitha of I B.Sc.Biochemistry received second prize in Solo dance conducted during NGP FEST 12.01.2023.
- Ms.Manorida.G of III B.Sc.Biochemistry received Best Outgoing Student Award in Dr.N.G.P Arts and Science College on 10.04.2023.

### Student Presentation

S.No	Date	Name of the Student	Name of the Event	Name of the Title	College	Prizes Won
1	10/10/2022	Suvetha S	International Conference	International Conference Confluence of Science and Technology (ICCST)	Bharathidasan College of Arts and Science, Ellispettai, Erode	
2	10/10/2022	Rasika K	International Conference	International Conference Confluence of Science and Technology (ICCST)	Bharathidasan College of Arts and Science, Ellispettai, Erode	
3	10/10/2022	Narmadha A	International Conference	International Conference Confluence of Science and Technology (ICCST)	Bharathidasan College of Arts and Science, Ellispettai, Erode	
4	10/10/2022	Narmadha T	International Conference	International Conference Confluence of Science and Technology (ICCST)	Bharathidasan College of Arts and Science, Ellispettai, Erode	
5	10/10/2022	Sumaiya Tanzeer B	International Conference	International Conference Confluence of Science and Technology (ICCST)	Bharathidasan College of Arts and Science, Ellispettai, Erode	
6	25-26 Augus 2022	P. Akshay Krishnan	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College, Coimbatore	2nd Prize
7	25-26 Augus 2022	V.Anusha	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College, Coimbatore	



8	20-21 February 2022	V.Anusha	Two-day multidisciplinary online International Conference	National And Health Education	Annamalai University, Annamalai Nagar, Tamil Nadu	
9	25-26 August 2022	L.Balaji	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	2nd Prize
10	25-26 August 2022	S.Geethanjali	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	2nd Prize
11	25-26 August 2022	S.Geethanjali	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
12	25-26 August 2022	L.Lalith Sree	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College, Coimbatore	
13	3 February 2023	L.Lalith Sree	2nd International Conference	Innovation In Applied Science	Mahalakshmi Women College of Arts And Science	2nd Prize
14	25-26 August 2022	K.Madhan Kuma	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	1st Prize
15	25-26 August 2022	M.Malarmathi	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	1st Prize
16	25-26 August 2022	G.Manorida	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	



17	25-26 August 2022	M.Nandhini	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
18	25-26 August 2022	P.Nitharshana	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
19	25-26 August 2022	L.Poorva Sandhy	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College, Coimbatore	
20	25-26 August 2022	S.Sumitha	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
21	25-26 August 2022	M.Vidhya Shree	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
22	25-26 August 2022	M.Vidyaa Sri	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
23	25-26 August 2022	S.Yokeshwaran	National Conference	AI and IoT for Agriculture Innovation and environment Sustainability	Dr.N.G.P Arts and Science College	
24	9/03/23-10/03/23	Yashmitha R	XIV Louis Pasteur International Symposium	Role of Gut microbiota on health and disease	Department of Microbiology, Dr.NGP arts and science College, Coimbatore	

## Student Participation

- Ms.Akshaya Sri.M, Keerthana.K of II M.Sc.Biochemistry and Poojashri, Charunandhini Ph.D Research scholar attended hands on training workshop on Advanced Cell Culture techniques for cancer research conducted by Department of Biochemistry, Bharathiar University from 01.08.2022-05.08.2022

S.No:	Name of thde Student	Name of the Event	Date	Venue	Prize Won
1	S.Deebika III B.Sc.,Biochemistry	Mehendi	22/Feb/23	Rathinam College of Arts and Science	-
2	V.Kanageshwaran III B.Sc.,Biochemistry	Tamil Kavithai	22/Feb/23	Rathinam College of Arts and Science	-
3	S.Lakshmi Prabha III B.Sc.,Biochemistry	Tamil Kavithai	22/Feb/23	Rathinam College of Arts and Science	-
4	L.Lalith Sree III B.Sc.,Biochemistry	Solo Song,Pencil Sketching,Meme Creation	22/Feb/23	Rathinam College of Arts and Science	-
5	L.Lalith Sree III B.Sc.,Biochemistry	Solo Song,Pencil Sketching,Meme Creation	22/Feb/23	Rathinam College of Arts and Science	-
6	L.Lalith Sree III B.Sc.,Biochemistry	English Oration	22/Feb/23	Rathinam College of Arts and Science	2nd Prize
7	L.Lalith Sree III B.Sc.,Biochemistry	Pencil Sketching	12/Jan/23	Dr.NGP College of Arts and Science	3rd Prize
8	A.Madhavan III B.Sc.,Biochemistry	Chess	22/Feb/23	Rathinam College of Arts and Science	-
9	G.Manorida III B.Sc.,Biochemistry	Tamil Oration	26/Jul/22	Codissia Trade Center	2nd Prize
10	G.Manorida III B.Sc.,Biochemistry	Tamil Oration	27/Nov/22	Codissia Trade Center	2nd Prize
11	G.Manorida III B.Sc.,Biochemistry	Tamil Oration	02.02.2023	TamilNadu Forest College	3rd Prize
12	G.Manorida III B.Sc.,Biochemistry	Tamil Oration	27/Jan/23	PSG College of Technology	-

13	Poorva Sandhya III B.Sc.,Biochemistry	Chess	22/Feb/23	Rathinam College of Arts and Science	-
14	T.Renith Kumar III B.Sc.,Biochemistry	Tamil Kavithai	22/Feb/23	Rathinam College of Arts and Science	-
15	M.Sneha III B.Sc.,Biochemistry	Tamil Kavithai	22/Feb/23	Rathinam College of Arts and Science	-
16	R.Vijayalakshmi III B.Sc.,Biochemistry	Mehendi	22/Feb/23	Rathinam College of Arts and Science	-
17	V.Anusha III B.Sc.,Biochemistry	Carrom Tournament	09/Feb/23	Dr.NGP College of Arts and Science	Runner
18	Harriet V	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
19	Pavithra.T	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
20	Poovitha.J	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
21	Uma Mageshwari G	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
22	Kaviraj G K	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
23	Hari Sudhan R	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
24	Shera Shimara R	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
25	Sneha Suresh	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
26	Dakshin.N	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
27	Priyamvadah S Menon	Technovation(Paper Presentation)	22.02.2023	Rathinam College of arts and Science	
28	N.Vaishnavi	Zhagaralish	2/13/2023	Department of Language , Sri krishna arts and science college	I
29	Abarna.D	Competition on Voyage to Enlighten English	1/24/2023	Department of English, Dr.NGP Arts and Science College, coimbatore	III

### MEMBERSHIP IN ACADEMIC BODIES (BoS, etc., in other colleges)

1. Dr.T.Indhumathi and Dr.K.Rajathi are Life Member in InRes Institute of Researchers, Kerala.
2. Dr.K.Rajathi is a reviewer in - 1.International Journal of Plant & Soil Science  
2. Asian Journal of Biochemistry, Genetics and Molecular Biology

### ACADEMIC FELLOWSHIPS (details, if any)

1. Ms.Pooja Shri, Ph.D Research Scholar have been provisionally selected for Savitribai Jyotirao Phule Single Girl Child Fellowship with effective from 1<sup>st</sup> April 2023
2. Ms.K.Charu Nanthini, Ph.D. Research Scholar received Tamilnadu SC/ST Incentive from Government of Tamilnadu, Department of Tribal Welfare.

### RESEARCH PAPER PUBLICATIONS (journals/books)

#### Book Publication

S.No:	Month & Year	Title	Authors	Publisher	ISBN
1	February 2023	Biopolymeric Nano materials in Cancer Treatment: A Mechanistic Approach	Rajathi K. Indhumathi T. Kannikaparameswari N	LAP LAMBERT Academic Publishing	978-620-6-14597-4
2.	March 2023	Karyotyping- Morphological Assessment	Indhumathi T. Rajathi K. Kannikaparameswari N	LAP LAMBERT Academic Publishing	978-620-6-15153-1
3.	March 2023	Development of polyherbal formulation for Antidiabetic Activity	Kannikaparameswari N Rajathi K. Indhumathi T.	LAP LAMBERT Academic Publishing	978-620-6-14700-8
2	Accepted	Silver nanoparticle synthesized Citrus maxima peel extract using XRD and FTIR via machine learning techniques	G.Lalitha	IntechOpen - Proposal Acceptance Toxicity of Nanoparticles - Recent Advances and New Perspectives	-

## Members in professional Bodies

S.No	Name of the Staff	Recognition
1	Dr.S.Gowri	<ul style="list-style-type: none"> <li>Indian Science congress – Annual Member</li> <li>Indian Association of Applied Microbiologists – Life Member</li> <li>Society of Biological Chemists (India) (SBC) – Life Member</li> <li>Indian Science Congress Association (ISCA) – Life Member</li> <li>Indian Association of Applied Microbiologists (IAAM) – Life Member</li> <li>Coimbatore Oncology Society (COS) – Life Member</li> </ul>
3	Dr.V.Usha	<ul style="list-style-type: none"> <li>Indian Association of Applied Microbiologists – Life Member</li> </ul>
4	Dr.N.Kannikaparameswari	<ul style="list-style-type: none"> <li>Indian Association of Applied Microbiologists (IAAM) – Life Member</li> </ul>
5	Dr.T.Indhumathi	<ul style="list-style-type: none"> <li>Pharma Research Library – Life Member</li> <li>Indian Association of Applied Microbiologists (IAAM) – Life Member</li> </ul>
6	Dr.K.Rajathi	<ul style="list-style-type: none"> <li>Pharma Research Library – Life Member</li> <li>Indian Association of Applied Microbiologists (IAAM) – Life Member</li> </ul>
7	Dr.S.Kathiravan	<ul style="list-style-type: none"> <li>Indian Science Congress Association (ISCA) – Life Member</li> <li>Mushroom Society of India (MSI) – Life Member</li> <li>Society of Biological Chemists (SBC) – Life Member</li> </ul>
8	Dr.D.Pradeepa	<ul style="list-style-type: none"> <li>Indian Association of Applied Microbiologists (IAAM) – Life Member</li> </ul>

## Biotechnology(2018-19)

- The practical skills of the faculty enhanced by attending workshop and trainings in reputed institutes.
- The acquired skills transferred to students of participating departments and to neighboring college students.
- Field trips, guest lectures, workshops, hands-on training, visits to National Laboratories, National and International Seminars for both faculty and students helped them to acquire skills and knowledge
- It provided a platform to undergraduate students to acquire multidisciplinary research experience
- Through outreach activity the interpersonal and values are imparted to students

## 2019-20

- Best Department Award for the academic year 2019-2020 at Dr. N.G.P. ASC.
- Dr. P. Chidambararajan and Miss M. Lavanya has been sanctioned with Rs.10000/- for the project entitled Milk casein as an alternate source for plastic.
- Dr. Radha Palaniswamy has cleared UGC-NET.
- Dr. Radha Palaniswamy is the recipient of Best Faculty and Best Mentor Award for the academic year 2019-2020 at Dr. N.G.P.ASC.
- Dr. S. Karthik is awarded for Research Excellence by INSC.
- Dr. S. Karthik has received Sri Nalla Gounder Research & Innovation Award for Best Thesis and Sri Nalla Gounder Research & Innovation Award for Best Work Paper.
- Dr. M. Poongothai with Dr.S.Gowri and Dr.D.Pradeepa of Biochemistry has applied for research grant on the project entitled "Design and development of multipurpose sanitizer wipes for covid-19' in SERB.
- Dr. P. Chidambararajan and Dr. M. N. Kathiravan has applied for research grant.
- Logeshwaran, II PG has been selected by PeriyarUniversity Business Incubation confederation, Salem for his innovative idea on Bioplastic production.
- 5 Faculty members, 18 UG and 7 PG students received online course certificate from IIC -MIC in the areas of innovation, IPR, Entrepreneurship and startups from 28th April 2020 to 22nd May 2020.
- Mushroom production of 3.0 kg at lab and sales resulted in income generation of Rs. 150.
- 2020-21
- Mushroom production and technology transfer (including Catering Science and FSN)
- Mushroom production in research aspects (successful in producing Mushrooms on different substrates)
- Collaboration with Basic Science for the promotion of research
- Lab Technicians were trained on first aid, mushroom production.....
- Increase in Student Publications because of research promotion
- Upgradation of entrepreneurial skill set of students
- Sanitiser preparation and distribution in pandemic period
- Innovative idea presentation of students in Bioidea

## 2021-22

### Students Participation/ Presentation

Date	Name of the Student	Type of Activities	Participation/ Presentation	Name of the Organisation
26. 11.2021	Monisha. G Kowsalya P	Paper Presentation	Presented	Vellore Institute of Technology
25.01.2022	Pavitra J.	Essay Competition	Participation	Monmousmi.com

07.04.2022	Monisha. G Kowsalya P	Paper Presentation	Presented	K.S.R College of Arts and Science
12.04.2022	Vishnu Varshini B Arul Pravin A.N.	Paper Presentation	Presented	Sri Saraswathi Thiyagaraja College.

### Staff Participation/ Presentation in Conference/ Seminar

1. Dr.RadhaPalaniswamy has delivered a guest lecture in the topic entitled “Cancer and Therapeutics” at Hindustan College of Arts and Science on 15.12.2021.
2. Dr.M.Poongothai presented a guest lecture in the topic “Food and Moods” at Nehru Arts and Science college on 28.06.2021.
3. Dr.M.Poongothai acted as a Resource person to inaugurate Science Club at Dr.N.G.P College of Education on 29.12.2021.
4. Dr.P.Deepak session a chair on Oral Presentation in “Biotechnological effective approach in science and Technology” BEAST-2022 organized by KSR College of Arts and Science, Tiruchengode.

### Biotechnology2022-23

#### ACHIEVEMENTS OF STAFFS AND STUDENTS

1. Dr. R.Suganthi, Professor, Department of Biotechnology has received best paperaward for the paper titled “Potential of Nisin Loaded Nanoparticle on Inhibition of *Enterobactercloacae* biofilm formation” in the national conference “Bioprospectingand Biotechnology” on 9-10 June 2022.
2. Ms. S.Jotheeswari (211BT020) of II B.Sc Biotechnology, received summer research fellowship (Indian Academy of Science) at Bhabha Atomic Research Center( BARC), Mumbai under the guidance of Dr.Amit Kunwar.

### STUDENTS AWARDS

- Akileshwaran K &Bharatwaj D of I PG Biotechnology won Second Prize for paper presentation in the topic entitled “Biodegradation of Ultra sound pre treated reactive black 5 (RB5) by *Pseudomonas aeruginosa* in International Conference on Confluence of Science & Technology organized by Bharathidasan College on 10.10.2022.
- Beulah Gracy.R of II M.Sc., Biotechnology has won second prize for poster presentation on 8<sup>th</sup> International Conference on Recent Advances in Biosciences in the topic “Formulation of Biolipstick from Algal Pigment” organized by KG College of Arts and Science , Coimbatore on 28.10.2022.
- DeepashVasnani of II B.Sc., Biotechnology has secured second prize in the National Virtual Poster Designing Contest Event 2022 on the theme of Science , Technology & India jointlt organized by Institution Innovation Council &Mahendra Arts and Science COLLEGE ON 11.11.2022.

- DeepashVasnani of II B.Sc., Biotechnology has secured second place in the Lincoln Lawyer event in Inter-collegiate Symposium -ADIVIDHYA 23 held at Sri Krishna Adithya College of Arts and Science on 17.02.2023.
- Abivarshini B and Akileshwaran K won First prize for Poster presentation in the XVI Louis Pasteur International Symposium on Role of Multidisciplinary for Sustainable development in the title “ Fungal Biodegradation of Plastic: An overview of the promising role of *Pestalotiopsis microspora*” organized by Department of Biotechnology, Dr.NGP Arts and Science College from 09.03.23 to 10.03.23.
- Manoj Kumar M of I B.Sc Biotechnology won second place in South India level Kabaddi tournament held at Kumaraguru Arts and Science College from 10.03.2023 to 11.03.2023 respectively.

### Microbiology (2018-19)

Student Awards			
Name of the Student	Batch	Date	Achievment
Ms. Praveena	M.Sc (2018-20)	2019-20	received fund from TNSCST under the student project scheme
Ms. S. Divya and Ms. N. Mayurika	B Sc 2018-19	2018-19	completed Eight week Science Academies Summer Research Fellowship Programme offered by Indian Academy of Science (INSAC)
Ms. N. Mayurika and Ms. M. Nivethitha	B Sc 2018-20	2018-20	1st prize in poster presentation at JSS University, Mysuru.
Ms. M. Mynumathi	M Sc 2018-21	14.02.2019.	received Kavisemmal award in Tamilnadu Ponvizha Competitions and The Young Scientist award from Tamilan TV Channel
Ms. M. Kavipriya	M Sc 2018-22	2018-19	selected for Indian Academy of Sciences Summer Student Fellowship 2019

### 2019-20

- Nivedha A. II UG got selected for Indian Academy of Science Summer Research Fellowship.
- Dr.Karthiksundaram and his PG student received Rs.10,000 grant for Research project from TNSCST.
- Dr. S.S. Sudha received Outstanding Faculty Award from Indian Association of Applied Microbiologists society.
- Dr. J. Rengaramanujam received Best head of the Department on Achievers day celebration at Dr NGPASC.
- Dr. R. Mahendran received Best Mentor & Best Teacher Award Achievers day celebration at Dr NGPASC.



- Dr.S.S.Sudha received Best Research Guide from Sri Nalla Gounder Research and Innovation Awards.
- Dr.S.S.Sudha received Best Researcher Award from Sri Nalla Gounder Research and Innovation Awards.
- Dr. A. M. Ramachandran received Best Fund Mobilizer Award from Sri Nalla Gounder Research and Innovation Awards.
- Dr. Karthik Sundaram has completed NPTEL course.
- Ms. Sahstika I UG., received II prize for poster presentation at Sri Ramakrishna College of Arts and Science for Women
- Microbiology given consultancy to Krishnammal College for Women students (Antimicrobial activity).

## 2020-21

Beneficiary (Individual / Institution)	Name of the Award	Awarding Agency
J. Devakumar	Anand Rao Memorial Award	Indian Association of Applied Microbiologists
Dr. A. M. Ramachandran	Best Fund Mobilizer	Dr. NGPASC NALLA GOUNDER RESEARCH & INNOVATION
Dr. R. Mahenthiran	Best Mentor and Best Teacher	Dr. N.G.P Arts and Science College
Dr.S.S.Sudha	Fellowship Award	Indian Association of Applied Microbiologist
Dr.S.S.Sudha	Outstanding Teacher Award	Indian Association of Applied Microbiologist
Dr.S.S.Sudha	Best Research Guide -	Dr.N.G.P.ASC NALLA GOUNDER RESEARCH & INNOVATIVE AWARDS
Dr.S.S.Sudha	Best Professor - Research Contribution	Dr.N.G.P.ASC NALLA GOUNDER RESEARCH & INNOVATIVE AWARDS
Dr.S.S.Sudha	Appreciation under project category	Bharathiar University-National Science Day Celebration

## Completed NPTEL Courses : 6

1. Dr. J. Rengaramanujam
2. Dr. A.M. Ramachandran
3. Prof. C. Sasikala
4. Dr. S. Karthik Sundaram
5. Dr. J.Devakumar
6. Dr. R. Mahenthiran

TNSCST Students Project: 1(Dr. S. Karthik Sundaram)

## 2021-22

1. Dr. J. Rengaramanujam, Professor and Head, Department of Microbiology has been elected as Senate member in Bharathiyar University.

S. No	Date	Name	Forum	Cash Prize (Rs.)
1	02.11.2021	Mrs. C Sasikala	Research Publication Incentive at Dr NGP	1000
2	02.11.2021	Dr. J. RengaRamanujam	Research Publication Incentive at Dr NGP	1000
3	10.05.2021	Sasikala C	Seed money for Project	5000
4	10.05.2022	Dr J Rengaramanujam	Seed money for Project	5000
5	10.05.2023	Dr R Mahenthiran	Seed money for Project	5000
6	10.05.2024	Dr A M Ramachandran	Seed money for Project	5000
7	10.05.2025	Dr S Senthil Prabhu	Seed money for Project	5000

#### Staff Book Publications: 2

Name of the Author (s)	Title or name of the book/ book chapter	ISSN/ISBN Number	Date of Published	Name of the Publisher
Dr S S Sudha and Dr J Devakumar	General properties and pharmacological benefits of <i>Syzygiumjambos</i>	978-81-951323-7-9	12/16/2021	Advances in Pharmaceutical Sciences
Dr. J. Rengaramanujam	Pharmacological benefits of <i>Eleutherococcussenticosus</i>	978-81-951323-7-9	9/6/2021	JPS publishers

#### Students Highlights/ Achievements:

- 10 III B.Sc., Students Participated in HPLCMASS Technology Workshop oragnized by karunya University on 17/02/2021 to 20/02/21.
- 45 III B.Sc., Students Participated in workshop in High End Characterization of Microalgae on 3 to March 4, 2021 by TERI Center.
- 6 III B.Sc., Students Participated in IPR and Patenting seminar organized by Rathinam College of Arts and Science, Coimbatore on 23.02.2021.
- 15 III B.Sc., Students Participated in Nutrigenomics seminar organized V.H.N.Senthikumara Nadar College, Virudhunagar on 23&24. 02.2021
- 4 II B.Sc. Students participated in Lecture on popularization of sciences at PSGR Krishnammal college on 01-02-2020.
- 11 UG Students attended Mushroom Cultivation Training at TNAU ( Tamilnadu Agriculture University) on march 2021.
- Totally 412 short term courses completed in coursera by I B.Sc., Students.

- Dr.S.S.Sudha has given invited talk for the faculty members of the mentee colleges under UGC PRAMARESH Scheme. On 23rd November , 05th December , 05th December 2020 on the topic OBE an overview.

#### Students Prizes and participation: 19

Date of Participation	Name of the student	Event	Organizer	Inter collegiate Inter departmental	Prizes won
1/10/2021	M.Srimuki	Fungal photography	Microbiology department	Inter collegiate	2nd prize
1/10/2021	M.Srimuki	Fungal photography	Microbiology department	Inter collegiate	2nd prize
1/10/2021	M.Srimuki	Fungal photography competition	Microbiology department	Inter collegiate	2nd prize
17/09/2021	Abinayasri H	Paper presentation - Microbes rule the world	Microbiology Department	Inter departmental	Participation
03.12.2021	Sharumathy U	Connection	Department of Commerce and Professional Accounting	Inter departmental	I place
17.9.2021	G.Anisha	Paper presentation	Department of microbiology	Inter departmental	3
2.10.2021	R.Narmatha	Fungal photography competition-2021	Department of microbiology under DBT star college scheme	Inter departmental	Participation
29.12.2021	R.Narmatha	International Biodiversity day	Department of microbiology under DBT star college scheme	Inter departmental	3rd prize in drawing competition
Dec 3rd 2021	R. Praveena	Connection	Department of commerce	Inter departmental	1 st prize
17.09.2021	A.Srinithi	Paper Presentation	Department of Microbiology-DBT Star college Scheme.	Inter departmental	-
11.09.2021	A.Srinithi	Poster presentation on World First Aid Day Competition-	Department of Microbiology	Inter departmental	-

		2021			
19.02.2020	A.Srinithi	Solo song	KPR College of Arts Science and Research	Inter collegiate	First
21.02.2020	A.Srinithi	Solo song	Karpagam Academy of Higher Education	Inter collegiate	Third prize
03.12.2021	R.V.Jansirani	Professional hunt	Dr.K.Vanaja	Inter departmental	Certificate
17.09.2021	Archana.T	Microbes rule the world	Department of Microbiology	Inter departmental	No
12/01/2022	Abinayasri H	Innovation week - Webinar	Patent Information centre, Tamil Nadu state council for science and technology, chennai.	Inter collegiate	Participation
25th - 31st October 2021	Abinayasri H	International level online quizathon series 44	Yavarumkelir, Skill Development Association, Namakkal	Inter collegiate	Participation
13.12.2020	Sowbagiya.P	Poster designing	Yavarumkaelir	Inter collegiate	1
08-Mar-22	Ms. Menaka R	International women's Day Celebration	Dr. N.G.P. Arts And Science College	Inter departmental	Best alumni women entrepreneur

Students Paper Publication		
1.	2021-22	Lalitha A, Amirdhavarshan S, Bharath Kumar S, Kanushika Sri J, Microalgal diversity – review. International Journal of Research and Analytical Reviews, Volume 9 issue 1, 900-912, 29-01-2022
2.		Sharmila. R, Tamil Arrasi, Narmatha Devi. G, Prasanth. K, Macroalgal Diversity. International Journal of Research and Analytical Reviews (IJRAR), Volume 9 & Issue 1, 823-840, 29-01-2022

**2022-23**

### Achievements of Staffs And Students

Student Achievements/ Participation

No. of Students Completed MOOC/ NPTEL/ Infosys Courses : 110

No. of MOOC/ NPTEL/ Infosys Courses completed by staff : 08

Abstracts published in Conference proceedings : 15

Participation in conferences and workshops : 60

**Students Presentation: 08**

S.No.	sDate	Name of the Student	Name of the Event	Host Institutions
1	17.2.23	S.G.Tejaswini	Mood Freezing pathway to mental peace	Sri Krishna Adithya College of Arts and Science
2	17.02.23	S.Madhusrii	Mood Freezing pathway to mental peace	Sri Krishna Adithya College of Arts and Science
3	17.03.23	Narmatha R	Poster on Antimicrobial Profiling of Tears against wound infections at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education
4	17.03.23	Thirisha .Y	Poster on Antimicrobial Profiling of Tears against wound infections at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education
5	17.03.23	Oviya K	Poster at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education
6	17.03.23	Rubavani E P	Poster at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education
7	17.03.23	Preethi b	Poster at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education
8	17.03.23	Shafana Parveen	Poster at National Conference on Biological Research & Innovations in Food, Agriculture, Health & Environment " – (NCBRI 2023).	Karpagam Academy of Higher Education

### Prize Winners – National Science Day -2023-Science Exhibition

Faculty of Bio Science					
S.No	Name	Department	Event	Prize	Amount
1	A.Tobias Noel S.Vikram	II B.Sc. Microbiology	Prparation of Nutrient	I Prize	Rs. 2000/
2	J.Santhiya Shree K.R.Taharsika	II B.Sc. Microbiology	Cosmetics	II Prize	Rs. 1500/
3	P.Jayashree P.Aruna	I M.Sc. Microbiology	Acalypha india soap	III Prize	Rs. 1000/

### Student Enrolled for Higher Education in Foreign Universities

S.No	Name of the Student	Admitted University
1	Harini V	Brunel Univerisity, London
2	Logesh S	Brunel Univerisity, London
3	Jeffina J	University of East London, London
4	Santhiya R	University of York, London
5	Abishek P	University of Birmingham, London ,University of Liverpool, London
6	Abhijit P	University of Birmingham, London ,University of Liverpool, London
7	Nadhin SP	University of Birmingham, London ,University of Liverpool, London
8	NamachivayaSivaprakash R	University of East London, London
9	Puja R	University of Manchester, London

### Students Participation and Prizes – 46

S. No.	Date	Name of the Students	Event	Host Institutions	Prizes Won
1	21.04.22	Pradeesha	Sports (400 meters)	DrNGPASC	2nd
2	26.04.22	Thirukumaran T	Oratorical competition	Department of Tamil, DrNGPASC	1st

3	17.08.22	Narmatha	Quiz	Department of Tamil, DrNGPASC	2nd
4	10.09.22	S Sivaranjani	Math Mehendi	Mathfest 22 Inter Department Meet, Department of Mathematics, DrNGPASC	1st
5	10.09.22	Kousika R	Math Mehendi	Mathfest 22 Inter Department Meet, Department of Mathematics, DrNGPASC	1st
6	08.10.22	Tamil Arrasi	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
7	08.10.22	Subaranjani S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
8	08.10.22	Malavika R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
9	08.10.22	Aruna P	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
10	08.10.22	Atchayaa R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
11	08.10.22	Rahul R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st
12	08.10.22	Sekar M	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
13	08.10.22	Subasri S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
14	08.10.22	Arunthathi M	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st
15	08.10.22	Kavidharshini N	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st

16	08.10.22	Mirdula S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
17	08.10.22	Sowbagiya P	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
18	08.10.22	Sharumathy U	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
19	08.10.22	Sangavi T	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st
20	08.10.22	Jeevika B	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
21	08.10.22	Akalya S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
22	08.10.22	Thrisha Y	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
23	08.10.22	Manobala D	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
24	08.10.22	Santhiya Shree J	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
25	08.10.22	Sanjana R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	2nd
26	08.10.22	Tobias Noel R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
27	08.10.22	Jansirani R V	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
28	08.10.22	Gayathri Devi S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st
29	08.10.22	Rithanya S	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st
30	08.10.22	Fyroja A	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	1st



31	08.10.22	Praveena R	Intradepartmental Competitions on Bioprospecting of Microbes	Department of Microbiology, DrNGPASC	3rd
32	15.10.22	Thirukumaran T	Oratorical competition	Department of Tamil, DrNGPASC	1st
33	10.12.22	Thirukumaran T	Drawing	Department of Tamil, DrNGPASC	2nd
34	10.12.22	Thirukumaran T	Oratorical competition	Department of Tamil, DrNGPASC	2nd
35	09.01.2300	Thirukumaran T	Memory Event	Department of Tamil, DrNGPASC	1st
36	24.01.23	Rithanya S	Voyage to Enlighting English	Department of English, DrNGPASC	3rd

#### Staff Participation

S. No.	S Date	E Date	Duration	Name of the Faculty	Name of the Workshop/FDP/ Training Programme	Host Institutions
1	27.01.23	28.01.23	2 days	Dr.S.S.Sudha	18 th International conference on “Converging microbiological innovation for application in animal, plant, environment and health care” (ICCMIA-2023)	ManonmaniamSundaranar University organized in association with Indian Association of Applied Microbiologists (IAAM)
2	09.02.23	10.02.23	2 days	Dr.S.S.Sudha	Two days NAAC Sponsored National Seminar on “Emerging Trends in Higher Education- Insights, Challenges and Opportunities”	Sri Ramakrishna College of Arts and Science College.
3	09.02.23	10.02.23	2 days	Dr.J.Devakumar	two days onlineworkshop on " techniques and Tools in Computer Aided Drug Design"	Department of Bioinformatics, Nirmala college for Women, Coimbatore
4	10.02.23	10.02.23	1 day	Dr.C.Sasikala	One day National Seminar on National Credit Framework: Credit Transfer Policy	Institution of Eminence and Human Resource Development Centre,

						University of Hyderabad
5	27.01.23	28.01.23	2 days	Dr.S. Senthil Prabhu	18 th International conference on “Converging microbiological innovation for application in animal, plant, environment and health care” (ICCMIA-2023)	ManonmaniamSundaranar University organized in association with Indian Association of Applied Microbiologists (IAAM)
6.	02.03.23	03.03.23	2 days	Dr.S. Senthil Prabhu	Hands-on Training programme on DNA Sequencing	BU- DNA Sequencing core facility, Central instrumentation center, Bharathiar University, Coimbatore
7	25.08.22	26.08.22	2 days	Dr.S. Senthil Prabhu	Presentation on IoT and AI-based Aquaculture and fish disease Management	DBT – CTEP sponsored National Conference on AI and IoT for Agriculture Innovation and Environment Sustainability, Center for Internet of Things & Department of Biochemistry, Dr. N.G.P. Arts and Science College
8	29.03.23	30.03.23	2 days	Dr. R. Mahenthiran	International conference on Emerging concepts in Biotechnological Innovations	SRM University, Chennai

### Funds Received:

TNSCST student Project -1

Amount Rs. 7500 /- (Dr. R. Mahenthiran, & Harini J)

Isolation and characterization of bifidobacterium species from dairy products against gastro intestinal infection-causing pathogens (2022-23)

### Food Science and Nutrition (2018-19)

- Trainings, workshops, seminars, conferences and invited lectures were attended by the students and the faculty members. Minor projects and newer practicals related to food science, Nutrition dietetics were included based on the advancement of the respective courses.

### 2019-20

- FS & Nutrition department has received Award by Breast Feeding Promotion Network of India, 2019.
- Dr. S.Uma Maheswari, Assistant Professor received cash prize of ₹1000/- from ICMR- NIRT for Recipe contest for Tuberculosis- High protein.
- Dr. S.Daniel Robert, Professor, received Best Senior Faculty Award from Novel Research Academy.
- Ms.R.Shivani, cleared National Eligibility Test on June, 2019.
- Parvathy M of III – B.Sc. (FSN) received the Merit cum Means Scholarship (₹20,000) for UG students of Food Science & Nutrition by PFNDAL.
- Parvathy M of III – B.Sc. (FSN) won 2nd prize in solo singing at CIT, Coimbatore.
- Arthi.C of II – B.Sc. (FSN) Won 1st prize in KuralumNaanum at PSGR Krishnammal, Coimbatore.
- Arthi.C of II – B.Sc. (FSN) Won 1st prize in variety entertainment at KPRCAS, Coimbatore.
- Surya.S and Madhumita.R of II – B.Sc.,(FSN) Won 3rd prize on Quiz Competition at Dept. of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore.
- Clareen Cecily and Anusha Varghese of I – B.Sc. (FSN) received 1st prize in face painting contest conducted by Women's Forum.
- Lara annie (2016-2018 batch student) started a small scale industry at home.
- DenciliVerginiya L and Clareen Cecily Cof I – B.Sc. (FSN) Won 1st prize in Poster presentation at Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore.

## 2020-21

### Students Achievements

- Manjula V Vishvanathan (2020 batch) of III – B.Sc.,(FSN) received the Merit cum Means Scholarship(₹20,000) by Protein Foods & Nutrition Development Association Of India.
- Paul Clinton (2018 batch) has become an entrepreneur (Viji's Masala )
- Lara Annie ( 2018 batch) has become an entrepreneur ( Zane Food Products)
- Gautam Palanisamy (2018 batch) have become a CEO in Business Incubation Confederation, Periyar University, Salem
- Gilbert Zass (2018 batch) is working as a R & D Officer, Innovative foods Ltd, Kerala
- Uthayaragavi (2019 batch) has started a Youtube channel on Diet Planning and Value Added Product Formulation
- Parvathy M of (2019 batch) received the Merit cum Means Scholarship(₹20,000) by PFNDAL
- Sagar (2018 batch) has got scholarship for post graduation in Loughborough University, England, United Kingdom.
- Gomathy S (2018 batch) have been selected for the Posts of Assistant Director & Child Development Project Officer in TNPSC.

### Projects under DBT - 59

- Survey on obesity

- Survey on snack foods
- Survey on dehydration and decreased urinary output in adults
- Nutrition education of iron deficiency anemia for adult girls
- Survey on obesity
- A study on knowledge and preference about caffeine intake among young adults.
- Android app for self analysis of diet
- Trio nutri delight - Chocolate bars
- Survey on dehydration and decreased urinary output in adults
- Survey on dehydration and decreased urinary output in adults
- A study on knowledge and preference about caffeine intake among young adults
- Nutrition education of iron deficiency anemia for adult girls
- Survey on snack foods
- Formulation and Development of Edible films
- Survey on snack foods
- Study on knowledge and preference about edible oil among household womens
- Veldt Grape Jelly
- Formulation and Development of Edible films
- Survey on dehydration and decreased urinary output in adults
- Determination of water consumption pattern among adolescents :An Analysis
- Study based on Nutritional Education
- Study based on Nutritional Education
- To study the impact of nutrition education among adolescent girls
- Study on knowledge and preference about edible oil among household womens
- Survey on dehydration and decrease urinary output in adults during summer
- A study of knowledge and preference about caffeine intake among young adults
- Survey on dehydration and decreased urinary output in adults
- beetroot rasmalai
- Formulated and Development of almond flour edible cup incorporated with quinoa
- Foxtail Millet Gulab jamun mix
- Study on Consumer preference and knowledge on junk food among adult
- spicy sunflower seed waffles mix
- Survey on breakfast
- Formulation and Development of Edible films
- Clinically manifestation and dietary approach towards the control of lower respiratory tract infection - A case study

- Study on Consumer preference and knowledge on junk food among adult
- aloe vera ice cream
- Survey on snack foods
- A study on knowledge and preference about caffeine intake among young adults
- To study the impact of nutrition education among adolescent girls
- Study on obesity
- Formulation and Development of Edible films
- Formulation and Development of almond flour edible cup incorporated with quinoa
- To study the impact of nutrition education among adolescent girls
- Study on snack foods
- Survey on Preference, knowledge and perception on Dietary source of Vitamin A among adolescence
- Survey on dehydration and decreased urinary output in adults
- Study based on Nutritional Education
- To study the impact of nutrition education among adolescent girls
- Energy bar incorporated with Fever nut powder
- Survey on breakfast
- Formulation and development of Wheat milk mayonnaise
- Formulation and Development of Edible films
- Android app for self analysis of diet
- Study based on Nutritional Education
- A study on knowledge and preference about caffeine intake among young adults
- Clinically manifestation and dietary approach towards the control of lower respiratory tract infection - A case study
- Foxtail Millet Milkshake mix
- Nutrition education of iron deficiency anemia for adult **girls**

### **Staff Achievements**

- Dr. S.Daniel Robert, Professor, received Inspiring Professor Award from Advanced Materials and Applications, Madras Journal Series, Tiruvallur
- Ms.P. Kanneshwari Assistant Professor & Rohini.S (PG Student) received copyright for their Study on Development and Organoleptic Evaluation of Omega 3 Enriched Ice Cream
- Dr.D.Sridevi, Head & Associate Professor & Ruba.S (PG Student) received copyright for their Study on Formulation and Standardization of Spriggy Papad
- Ms.R.Shivani, Assistant Professor & Sruthy.V (PG Student) received copyright for their Study on Development of Tempe Incorporated with Soybean, Barley, Kidney Bean and Analysis of its Nutritive Value
- Ms.C.Abinaya, Assistant Professor & Vidhya (PG Student) received copyright for their Study on

Development and Evaluation of Iron Rich Cookies by using Drumstick and Agathi Leaves.

- Department of Food Science and Nutrition received BEST CELEBRITY AWARD from BREAST FEEDING PROMOTION NETWORK OF INDIA-2019
- Dr.D.Sridevi Associate professor and Head received education Excellence Award from SKILL INDIA AWARD-2021 in Tamilnadu State Private College Association, Chennai

**2022-23**

## ACHIEVEMENTS OF STAFF

S.no	Date	Name	Category	Award Agency
1.	17.11.22	Dr.D.Sridevi	Resource Person	Karpagam Institute of Technology, Coimbatore.
2.	16.10.22	Ms.M.Anjali	Key Note Speaker	Science Plus Global Research Forum
3.	23.06.22	Ms.D.Jancy Rani	Best Paper Award	Scott Christian College, Kaniyakumari.

## STUDENTS

Name	Event	Award	Details
Vidhya.S (II B.Sc Fs& N)	Film Adaptation and Appreciation Speech	IIIrd Prize, Cash prize of Rs. 2000	Tamil Nadu Education department
Arthi. C (I M.Sc FS&N)	Tamil debate	1 <sup>st</sup> prize	Sreenaarayana guru College of arts and science
	paatukupechu	1 <sup>st</sup> prize	Sri Krishna college of arts and science
	Tamil debate	1 <sup>st</sup> prize	Sri Krishna adhitya college of arts and science
	Tamil speech	2 <sup>nd</sup> prize	Tamil valarchithurai Nehru birthday
	Tamil speech	2 <sup>nd</sup> prize	Tamil valarchithurai Ambedkar birthday
	Tamil kavithai	3rd prize	AVM foundation and makkalarapaniperavai
	Tamil speech	1 <sup>st</sup> prize	Sree Ramakrishna mission vidhyalayam arts and science college
	Orate Your Thought	1 <sup>st</sup> prize	Ratinam College of Arts and Science
	Tamil speech	Overall trophy	PSG college of technology
Visalini.T.s.k (I M.Sc.F&N)	Paper Presentation	1st Prize	Reva University
Anusha Varghese (I M.Sc.F&N)	Paper Presentation	II nd Prize	Reva University
Anusha Varghese Keerthivarshini (I M.Sc.F&N)	Poster presentation	2nd Prize	Avinashilingam University

Induja.E , Jeevasree Kanishka ,Keerthana (I M.Sc.F&N)	poster presentation	3 <sup>rd</sup> Prize	
Visalini.T.s.k& Divya.R (I M.Sc. F&N)	Paper presentation	Ist Prize	Karpagam Institute
Pavithra.N.R(II M.Sc (F&N)	Paper presentation	II nd Prize	
Hemalatha.G&K rishnaDevi (I M.Sc. F&N)	Poster presentation	Ist Prize	
M.Roshini& R. Nivetha .II M.Sc (F&N)	Poster presentation	II nd Prize	
Arthi.C Dona David (II M.Sc.F&N)	RJ Foodie	Cash Prize – Rs. 3,000	NIFTEM, Tanjur
Haritha Sri.S.P Smithi.R Sowmeya. R (II B.Sc.FS&N)	Screen Masters (Documentary Competition)	Cash Prize – Rs. 10,000	NIFTEM, Tanjur
Deepa.S (II M.Sc.F&N)	Cookery competition	Ist prize	Avinashilingam University.
Sriranga Priya (II M.Sc.F&N)	Cookery competition	4 <sup>th</sup> Prize	

#### Staff Participation/ Presentation in Conference/ Seminar

Date	Name of the Staff	Type of Activities	Participation/ Presentation	Name of the Organization
19.10.22	Dr.D.Sridevi	National conference on “ Trends for Futuristic Development in: Home Science & Innovation ( HSRI) 2022.	Presentation	K.S.R College of Arts and Science for Women Namakal.
10.09.22	Ms.D.Jancy Rani	International Webinar on “ Food System Approach Towards Food & Nutrition	Participation	Nutrition Society of India, Mumbai

		Security”		chapter.
29.09.22	Ms.D.Jancy Rani	Poster Presentation in 3 <sup>rd</sup> National Conference on Recent Innovations in Biotechnology-2022.	Presentation	Vinayaka Missions Research Foundation.
16.11.22-17.11.22	Ms.D.Jancy Rani	Oral Presentation on “ Physio-chemical analysis and anti diabetic activity of beal Leaf” in 5 <sup>th</sup> International Conference on Food and Nutrition.	Presentation	Universal society of Food and Nutrition.
14.10.22	Ms.D.Jancy Rani	International Conference on “Indian Dairying - Sustainability and Nutritional Security”	Participation	Avinashilingam Institute for Home Science and Higher Education for Women
23.06.22-24.06.22	Ms.D.Jancy Rani	Paper presentation in International conference “ climate change adaptation for sustainable biodiversity and Food Security”	Presentation	Scott Christian college, Nagarcoil.
22.12.22-23.12.22	Ms.D.Jancy Rani	54 <sup>th</sup> annual conference of Nutrition Society of India	Presentation	Nutrition Society of India, Hyderabad

**10 .Details of colleges / schools mentored during the Star Scheme Tenure (Name of college / school; class / standard; No. of students benefited; whether any mentored college applied under Star College Scheme, if yes what was the outcome.**

- We have given guidance to apply DBT Star College scheme under strengthening components to RVS College of Arts and Science, Sri Krishna College of Arts and Science, Nehru Arts and Science College.
- Faculty Members from RVS College of Arts and Science and Nehru Arts and Science College, they came for 5<sup>th</sup> Task Force Meeting organized by Pondichery University during 18<sup>th</sup> – 20<sup>th</sup> April, 2019 to observe the meeting.After that they applied and received grant from DBT.

**11. Details of increase in the faculty generated resources viz extramural research grants from other funding agencies to strengthen the Star College Scheme efforts.**

S. No.	Department	Faculty	Funding Agency	Amount	Title of the Project
1.	Food Science and Nutrition	Dr.D.Sridevi	ICSSR	Rs. 500000/-	“Impact of Creating Awareness on First 1000 days of Life among Prenatal Tribal Women”



2.	Microbiology	Dr.R.Mahenthiran	TNSCST	Rs.10000/-	“Isolation and charecterisation of bifidobacterium species from dairy products against gastro intestinal infection causing pathogens”
----	--------------	------------------	--------	------------	---

## 12. SOPs developed, lab manuals created and uploaded on website or submitted to DBT.

S. No	Department	SOPs developed		Lab Manual	
		Nos	Drive Link	Nos	Drive Link
1	Biochemistry	7	<a href="https://drive.google.com/file/d/11y3Fn0YPVItgqdQqBTa0oNr2eKFGYrTh/view?usp=share_link">https://drive.google.com/file/d/11y3Fn0YPVItgqdQqBTa0oNr2eKFGYrTh/view?usp=share_link</a>	9	<a href="https://drive.google.com/drive/folders/1Zf5anPBmL5ZJwbB7Ern-p2fsZe0RfoVy?usp=share_link">https://drive.google.com/drive/folders/1Zf5anPBmL5ZJwbB7Ern-p2fsZe0RfoVy?usp=share_link</a>
2	Biotechnology	7	<a href="https://drive.google.com/file/d/1PIz1tFRyw56m2_V1A8EjliQPnjIPkvd/view?usp=share_link">https://drive.google.com/file/d/1PIz1tFRyw56m2_V1A8EjliQPnjIPkvd/view?usp=share_link</a>	3	<a href="https://drive.google.com/drive/folders/1t4RLXhWgR6SmXF7J0B0hB0jpLdRK7Ugm?usp=share_link">https://drive.google.com/drive/folders/1t4RLXhWgR6SmXF7J0B0hB0jpLdRK7Ugm?usp=share_link</a>
3	Microbiology	21	<a href="https://drive.google.com/file/d/1-QBOfM_HjHLo9rGMhgpbBr59Fzp1AyQb/view?usp=share_link">https://drive.google.com/file/d/1-QBOfM_HjHLo9rGMhgpbBr59Fzp1AyQb/view?usp=share_link</a>	5	<a href="https://drive.google.com/drive/folders/1QNLQrRwKA20DVrBhmOd9qaykYIbmj8rw?usp=share_link">https://drive.google.com/drive/folders/1QNLQrRwKA20DVrBhmOd9qaykYIbmj8rw?usp=share_link</a>
4	Food Science and Nutrition	4	<a href="https://drive.google.com/file/d/1_0zlsC-xIGTaTdaWNXC5_SmZmkAjQjpr/view?usp=share_link">https://drive.google.com/file/d/1_0zlsC-xIGTaTdaWNXC5_SmZmkAjQjpr/view?usp=share_link</a>	7	<a href="https://drive.google.com/drive/folders/11b0zp3k9wrOxnqTSRrwr43TIZmU6G3fD?usp=share_link">https://drive.google.com/drive/folders/11b0zp3k9wrOxnqTSRrwr43TIZmU6G3fD?usp=share_link</a>

## 13. Self evaluation

Department	*Objective (as stated in proposal)	% achieved	Reasons for underachievement/If achieved, state in quantitative metrics
Biochemistry	1,2,3	99	Due to pandemic, the students participation in in-house training, summer internship and industrial visits were comparatively reduced. However, online programmes like CSIR -research training, Science-setu and others provided the necessary bridging

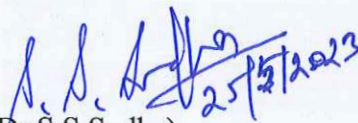
	4	95	Bioinformatics facility will be established
	5	99	To match with number of practical's introduced we require new/additional equipment
Biotechnology	1,2,3	99	Due to pandemic, the students participation in in-house training, summer internship and industrial visits were comparatively reduced. However, online programmes like CSIR -research training, Science-setu and others provided the necessary bridging
	4	95	Bioinformatics facility will be established
	5	99	To match with number of practical's introduced we require new /additional equipment
Microbiology	1,2,3	95	Due to pandemic, the students participation in in-house training, summer internship and industrial visits were comparatively reduced. However, online programmes like CSIR -research training, Science-setu and others provided the necessary bridging
	4	95	Bioinformatics facility will be established
	5	99	To match with number of practical's introduced we require new/additional equipment
Food Science and Nutrition	1,2,3	95	Due to pandemic, the students participation in-house training, summer internship and industrial visits were comparatively reduced. However, online programmes like CSIR -research training, Science-
	4	95	Bioinformatics facility will also be established
	5	99	To match with number of practical's introduced we require new/additional equipment

\*For quantitative analysis you may fix five objective (max) each having 2 marks and accordingly can calculate the matrix

### Objectives

S.No	Objectives stated in proposal	Targets achieved(Outcome)
1	To procure adequate consumables, chemical, reagents and immunological diagnostic kits for hands on experiments individually. To provide in-house training to students. To make the students accessible to all advanced instruments and make them skillful. To support students to have compulsory summer internship training and Industrial visits.	<ul style="list-style-type: none"> <li>A total of 105 in house hands on training were provided to up skill the students.</li> <li>Altogether, 8 INSA and 12 CSIR fellowships were received by our faculty and students</li> <li>Adequate consumables were</li> </ul>

		available to execute all the planned Students activities
2	To ensure that faculty will have access to advanced laboratories for enriching their experimental skills and scientific knowledge. Faculty to be expertise in basic proteomic, genomic and diagnostic protocols. Faculty to be familiar with advanced instrumentation like PCR. To invite scientists from renowned National research institutes, Universities and leading institutions, to make the faculty realize the application and utility of basic techniques.	<ul style="list-style-type: none"> <li>• Faculty enriched their knowledge in functional domains through training in renowned institutions listed in S.No.6.</li> <li>• Our Faculty members were invited as resource persons to share knowledge and expertise</li> </ul>
3	To promote inter-departmental and inter-college sharing of knowledge and expertise through synergic activities on a equipped platform of advanced infrastructure. To equip the undergraduate laboratory beyond the curriculum	
4	To strengthen the library facility by increasing volumes and copies of scientific manuals. To increase the quality research journals for students to be updated with recent advancements. To create Bio-informatics facility with access to paid research portals for improving the research aptitude and for identifying the arenas in scientific research. To premier class rooms with ITC and follow advanced teaching pedagogies.	<ul style="list-style-type: none"> <li>• 584 Volumes of Text Books were procured at the cost of Rs. 6,82,774</li> <li>• All our classrooms are enabled with ICT.</li> <li>• Lecture Capturing facility was also established</li> </ul>
5	To bring changes in curriculum based on the facility obtained through star college scheme and produce competent graduates	<ul style="list-style-type: none"> <li>• 74 new experiments covering inter &amp; trans disciplinary and skill related practicals are offered throughout the programme</li> </ul>

  
(Dr.S.S.Sudha)

Programme Coordinator

**Dr. S. S. SUDHA**  
Programme Coordinator  
DBT STAR College Scheme  
Dr. N.G.P Arts and Science College  
Kalapatti, Coimbatore - 641 048

  
(Prof.Dr.S.Saravanan)

Principal i/c  
**Principal i/c**  
Dr.N.G.P Arts and Science College  
Dr.N.G.P - Kalapatti Road  
Coimbatore-641 048

