



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu and Re-accredited by NAAC with 'A' Grade (2nd Cycle)
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FACULTY OF BIOSCIENCES NEWSLETTER 2020- 2021

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ABOUT THE DEPARTMENT

The Department of Biochemistry started in the year 1997 has produced 717 undergraduates, 492 postgraduates, 80 M.Phil and 29 Ph.D. The Department is recognised by DST-FIST in 2014 for the establishment of Research facility and by DBT STAR in 2018 for enhanced undergraduate teaching. The Department has good academic record with distinguished university ranks, good number of publications at National/International journals. The Department has received many Major and Minor projects support to the tune of Rs.2 crores from various funding agencies such as UGC, DST, DBT, ICMR and TNSCST.

WEBINARS ORGANISED

- 1) Regulation of NF- κ B signaling cascade in Breast Cancer by Dr.Rameshkumar Krishnan, Postdoctoral Research Scientist, Institute Justus Liebig University Giessen, Germany on 10-Jul-20.
- 2) Mom's Milk Baby's Right by Dr.Prof. Mariammal Pappu, Head, Pediatric Nursing, KMCH College of Nursing, Coimbatore on 03-Aug-20.
- 3) Regeneration of pancreatic beta cells in type 2 diabetes mellitus by a folklore antidiabetic lead swertiamarin by Dr.G.Dhanavathy, Assistant Professor, Dept. of Biotechnology, SRM Institute of Science and Technology, Kattankulathur on 10-Jun-21.
- 4) Bioprospecting from forest resources by Dr.N.Senthil kumar, Scientist F, Institute of Forest Genetics and Tree Breeding, Coimbatore on 10-Jun-21.
- 5) Gene Editing – Principles and Applications by Dr.Kalaiselvi Senthil, Assistant Professor, Dept. of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 08-Jun-21.
- 6) English by yourself by Dr.Ganesh Muthuram.K, Assistant Professor, PSG College of Arts and Science, Coimbatore on 05-Jun-21.
- 7) Scientific Writing by Mr. Muthukrishnan Thangaya, Deputy Manager, WNS Global Services Limited, Haryana on 06-Jun-21.
- 8) Search for Covid drugs - Hits and Misses by Dr.Rajeev J Mudakavi, Assistant Professor, Dept. of Pharmaceutics, Ramaiah University of Applied Sciences, Bangalore on 04-Jun-21.
- 9) Haemoglobins – The red goldmine by Prof.Suman Kundu, Dept. of Biochemistry, University of Delhi, New Delhi on 04-Jun-21.
- 10) Machine's learning in 2020 to address the problem of 2050: by Dr. Muruges Eswaran, ICGED, New Delhi.

WORKSHOPS ORGANISED

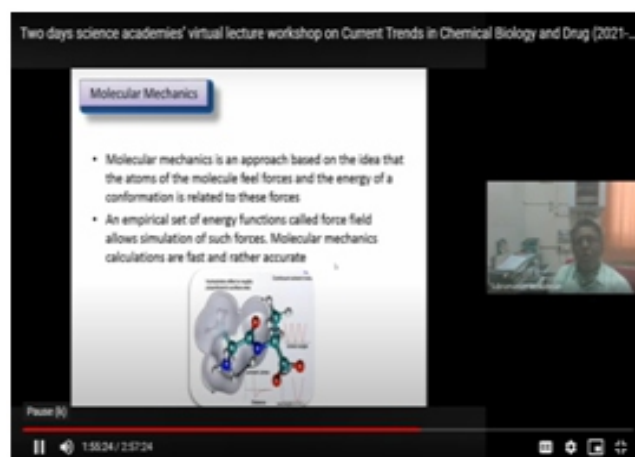
Lecture Cum Workshop on “Medical Diagnosis of rare genetic disorders: Transforming Analytical Information into actionable results”, 20.11.2020

Mrs.Deepa.S, Clinical Scientist, Classification Team, CENTOGENE AG, Rostock, Germany.

A two day Science Academies' Virtual Lecture Workshop on 'Current trends in chemical biology and drug discovery', 20.01.2021 & 21.01.2021

The program was sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of sciences, India, Allahabad.

Prof.Dr.PennathurGautam, Professor (Retd.), Anna University, Chennai, Dr V Subramanian, Chief Scientist, CSIR-Central Leather Research Institute, Chennai, Prof. R. Ramaraj, Madurai Kamaraj University, Madurai, Prof.Raghavan Varadarajan, Indian Institute of Science, Bangalore, Prof.Dr.V. Rajendran, Professor and Principal, Dr.N.G.P Arts and Science College, Coimbatore were the resource persons for the workshop. About 167 participants (Teachers, research scholars and PG students) from various colleges participated in the workshop and got benefited.



Intradepartmental Poster Making Competition in the eve of celebrating the International Day of Women's and Girls' in Science., 11.02.2021

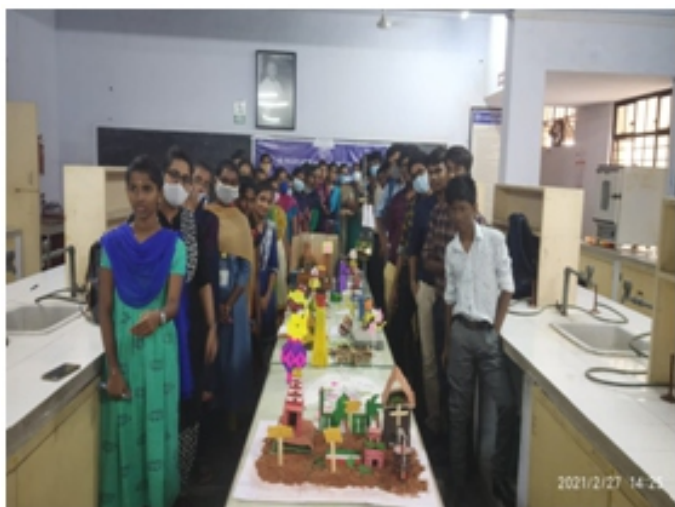
The gathering was felicitated by Prof.Dr.V. Rajendran, Principal, Dr. N. G. P. Arts and Science College. Students displayed their colorful posters exhibiting their creativity in portraying the



women scientists who has contributed immensely in the various fields of science and their achievements.

Student Development Programme - Miles to go after Graduation on 20.02.2021 by Ms.P.Anniefreeda, Ms.R.Mahavidhya, Ms.C.Meena, Ms.Poojashri and Ms.R.Priyashivani of II M.Sc Biochemistry.

BIOTOYCATHON 2021, 27.02.2021



Science Ideation 2021, Intradepartmental Competition, 27.02.2021



Interdepartmental Workshop on 'PCR Techniques', 04.03.2021

Dr.M.Poongothai, Assistant Professor of Biotechnology and Dr. D. Pradeepa, Assistant Professor of Biochemistry served as resource persons for the workshop. The first session was lecture on PCR techniques wherein concept, methodology and applications of PCR was told to the students. Following, the students were given hands-on training on steps involved in PCR technique.



Interdepartmental Workshop on 'Free Radical Scavenging Assay', 05.03.2021

The workshop was organised by Dr.T.Indhumathi, Professor and Dr.V.DhanaRangesh Kumar, Assistant Professor, Department of Biochemistry. The demonstration on the assays of free radical scavenging was done and the participants had a hands-on training experience on various free radical scavenging assay protocols.

Interdepartmental Workshop on 'Quantification of Phytochemicals', 05.03.2021

The workshop was organized and handled by Dr.T.Indhumathi, Professor and Dr.V.DhanaRangesh Kumar, Assistant Professor, Department of Biochemistry. The initial lecture was on the importance and the scope of phytochemicals quantification in Bioscience Research followed by the demonstration and hands-on training on the quantification of various phytochemicals in aqueous extracts of selected medicinal plant samples.

Intradepartmental workshop on 'Mushroom Cultivation', 06.03.2021

The programme was felicitated by Dr.V.Rajendran, Professor and Principal, Dr.N.G.P. Arts and Science College. Dr.S.Balasubramanian, Dean – R & D gave a keynote address and Dr.S.S.Sudha, Professor and Coordinator, DBT-STAR Scheme of the college narrated mile stones of DBT - STAR Program A lecture on the cultivation technology of oyster mushrooms, Economical and Nutritional importance of the mushrooms was given by Dr.S.Kathiravan followed by demonstration and hands-on training to the participants.



EXTENSION ACTIVITIES

1. 38 students of Department of Biochemistry participated in the 'Green Bricks Competition' organised by Coimbatore City Municipal Corporation in association with NGO's. 8.8 kg of single use disposable plastic wastes were filled in water bottles and submitted for competition on 28-Mar-21 and won the 7th prize.
2. The Department of Biochemistry organised an Extension activity on "Tree Plantation event" for world Earth Day on 22-Apr-21. The students created awareness in their locality about the importance and need of tree plantation. The students also planted tree saplings.

STAFF RECOGNITIONS

1. Dr.T.Indhumathi, Professor of Biochemistry served as Guest Speaker in the Virtual Webinar on "Covid Immunization" organised by Vivekananda Arts and Science College for Women, Thiruchengode on 09-Jun-21.
2. Dr.N.Kannikaparameswari, Professor of Biochemistry served as Resource person in the Workshop on Biochemical Techniques organised by Department of Zoology, Vellalar College for Women, Erode on 08-Mar-21.
3. Dr.DhanaRangesh Kumar V, Assistant Professor of Biochemistry served as Resource person in the webinar on 'Vaccination Awareness' organised by NSS Unit, KSG College of Arts and Science College, Coimbatore on 31-Mar-21.
4. Dr.DhanaRangesh Kumar V, Assistant Professor of Biochemistry served as Resource person in the Jan Andolan Campaign on Covid-19 organised by NSS Association with Youth Red Cross, Karpagam Academy of Higher Education, Coimbatore.
5. Dr.N.Kannikaparameswari, Professor of Biochemistry served as Resource person in the Workshop on Biochemistry Based Experiments organised by Sri G.V.G. Visalakshi College for Women, Udumalpet on 13-Feb-21.
6. Dr.S.Kathiravan, Assistant Professor of Biochemistry served as Resource person in the Guest lecture on 'Nomenclature and Classification of Enzymes' organised by Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore.
7. Dr.S.Kathiravan, Assistant Professor of Biochemistry served as Resource person in the workshop on 'Mushroom Cultivation: Creating Bio Agro Entrepreneurs' organised by Nirmala College for Women, Coimbatore

ALUMNI INTERACTION

1. Mr.H.Aravind, Ph.D Scholar, Tata Institute of Fundamental Research, Hyderabad delivered a talk on 'A Path for Higher Education' on 29-Oct-20.
2. Mr.M.Sibi, Senior Research Analyst, ZifoRnD Solution, Chennai delivered a talk on 'What else than wet labs?' on 12-Nov-20.
3. Mrs. Narmatha.C.Nair, CSIR-NET Qualified, UAE delivered a talk on 'Stepping Stone to Researcher' on 20-Feb-21.

RESEARCH FUNDING

1. Dr.K.Rajathi, Professor of Biochemistry received Seed money Rs.5,000 for two student projects.
2. Dr.S.Gowri, Head and Professor of Biochemistry received Seed money Rs.5,000 for one student project.

PLACEMENT DETAILS

1. Six final year undergraduate students were placed in EpiSource.
2. 13 students of III B.Sc., Biochemistry were placed in Visionary RCM
3. Ms.Janani and Ms.Sangamithra of III B.Sc., Biochemistry were placed in KGISL
4. Mr.RajeshBabu.S of II M.Sc., Biochemistry was placed in AOSTA.

STUDENT ACHIEVEMENTS

1. Mr.K.B.LeneeyGreen II M.Sc., Biochemistry 2018-2020 batch student has been selected for "Best Student project-2020" by Dr.Kalam Educational trust for tribal people.
2. 10 Students of II B.Sc Biochemistry were participated in Biotech Innovation Ignition School (BIIS) for validation, value addition and product development around grassroots innovations, BIRAC-SRISTI
3. 31 UG and 3 PG students were participated and received online course certificate from IIC -MIC in the areas of innovation, IPR, Entrepreneurship and start-ups from 28-Apr-20 to 22-May-20.
4. Narmadha C Nair 2017-2019 Batch Qualified CSIR NET Exam Score of 99.850, June 2020.
5. Ms.Meena II M.Sc Biochemistry was selected and undergone Summer Research Training at CFTRI (July-Aug 2020)



DEPARTMENT OF CLINICAL LABORATORY TECHNOLOGY

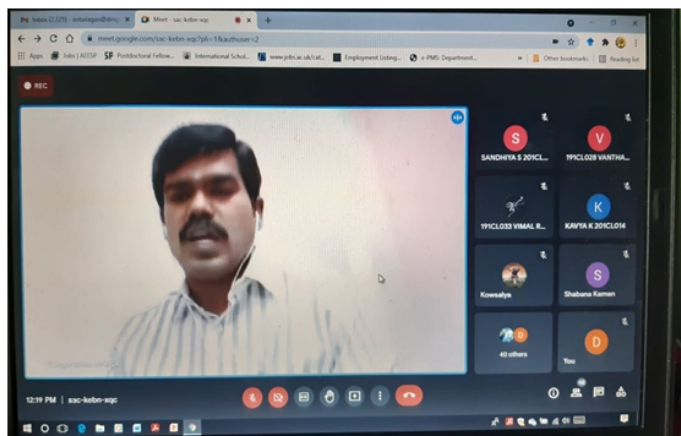
ABOUT THE DEPARTMENT

The Department of Clinical Laboratory Technology, established in the year 2005 offers a unique three year undergraduate programme with a vision to provide high quality education to the students with hands on experience in the state of the art laboratories. The programme was meticulously designed to offer specialization in science stream encompassing a strong knowledge in clinical laboratory techniques and an exposure to social disciplines. The curriculum facilitates the students to acquire diverse knowledge in the field of Biochemistry, Microbiology, Pathology, Immunology, and Molecular biology. The Department of Clinical Laboratory Technology caters to the quest for knowledge in clinical diagnostic technology, with latest application tools. The department successfully produced 14 batches of students since inception.

ACTIVITIES OF THE DEPARTMENT

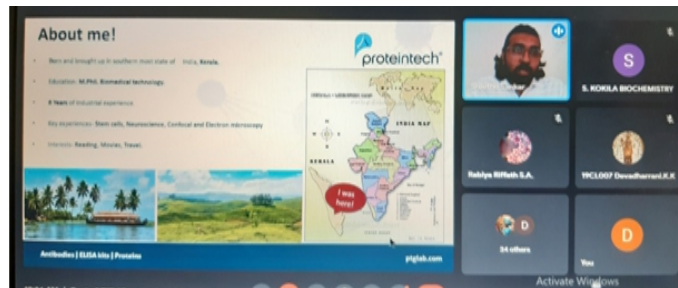
GUEST LECTURES AND WORKSHOPS

Mr.RTN Loganathan.T, Marketing Head, Humed Laboratories Mumbai delivered guest lecture "Pharmaceutical entrepreneurship on 14-Jun-21.



The webinar was delivered by Dr.Devika.V, Assistant Professor Department of Biochemistry SRM Institute of Science and technology Madhurandhagam. on the topic "The environment and human health:Current issues and future trends" on 11-Jun-21.

The guest lecture was delivered by Mr.Sreethu Shankar, R&D Manager, Proteintech, Chicagooon, on the topic "In vitro models cells to organoids" on 08-Jun-21



The Guest lecture on "Solid lipid nanoparticles - A novel carrier and application in ocular drug delivery" was delivered by Dr.C.Senthil Kumar Professor and Head Department of Pharmaceutics, ELIMS College of Pharmacy, Villadam, Kerala on 07-Jun-21.

Dr.T.Deepan Associate Professor, Department of Pharmacy, GIET institutions, Rajahmundry delivered an invited lecture on "Clinical aspects of covid treatments and post covid disorders" on 04-Jun-21.

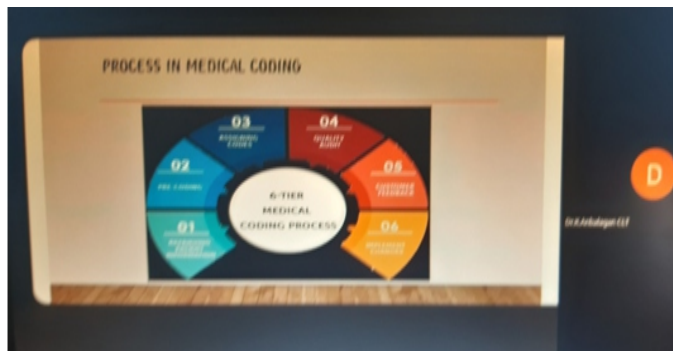
Webinar on "Career possibilities ahead in clinical research" was given by Mrs.Sandhya Sunder, Senior Scientist Plasma Protein group, Mumbai on 29-May-21.

Webinar on "Entrepreneurship and its challenges" was delivered by Mr.S.Balasubramani Director Xpify Services, Bangalore on 29-May-21.

Dr.Dinakaran. V SERB-National Post Doctoral Fellow, KMCH Research Foundation Coimbatore delivered an invited lecture on "Microbes in the circulation -Is it fact or fiction" on 04-Jun-21.



Webinar on “Medical Coding” given by Mr.Divakar S, Medical Coder, AGS Health, Chennai on 06-Mar-21.



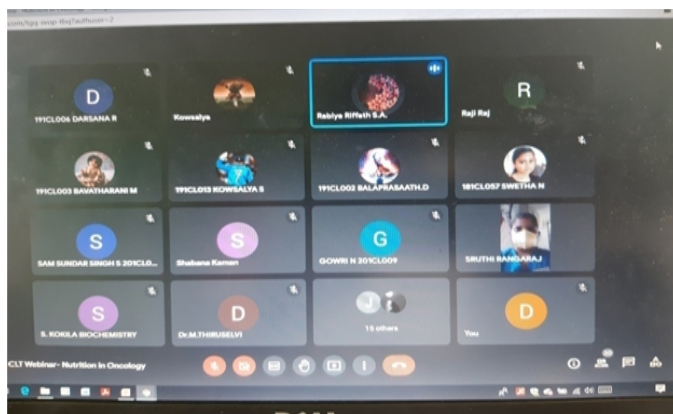
Dr. S.Nageswaran, Associate Professor, Department of Biotechnology, School of Bioengineering, SRM Institute of Science and Technology, delivered an invited lecture on “Natural and safe defense against colon cancer - Can natural bio active compounds be the right choice?



Webinar on “A Machine Learning Approach for Biomarker Discovery” was presented by Dr. S. Tamilselvi, Associate Professor and Head, Department of Biotechnology, Bannari Amman Institute of Technology, Erode, on 7-Nov-20.

ALUMNI INTERACTION

Ms.R.Sruthi Associate Dietician HCG Comprehensive Cancer Care hospital Bangalore interacted with the students on the topic of “Nutrition in Oncology” on 14-Jun-21.



STAFF ACHIEVEMENTS

Dr.S.Sasikala participated in Seminar on Vermiculture: A Holistic Eco-Friendly Technology to become a Sustainable Entrepreneur at Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 26-Jun-21.

Mrs.S.Kokila participated in FDP on Research Methodology and Pedagogy for Tertiary Education from 15-Jun-21 to 21-Jun-21 at Dr.N.G.P Arts and Science College, Coimbatore.

Dr.C.Hemalatha participated in FDP on Research methodology and pedagogy for tertiary education from 15-Jun-21 to 21-Jun-21 at Dr.N.G.P Arts and Science College, Coimbatore.

Dr.M.Thiruselvi participated in FDP on Research methodology and pedagogy for tertiary education from 15-Jun-21 to 21-Jun-21 at Dr.N.G.P Arts and Science College, Coimbatore.

Dr.S.Sasikala and Dr. K. Anbalagan participated in FDP on Research methodology and pedagogy for tertiary education from 15-Jun-21 to 21-Jun-21 at Dr.N.G.P Arts and Science College, Coimbatore.

Mrs.S.Kokila, Dr. K.Anbalagan and Dr. S.Sasikala participated in Longest Virtual Event on Vision 2030:Importance of Enhancing Life Skills for Reaching Higher Heights at Tamilnadu Teachers Education University, Chennai on 18-Jun-21.

Dr.K.Anbalagan participated in Digital teaching techniques from 10-Aug-20-15-Aug-20 at ICT Academy.

Mrs.S.Kokila participated in Digital teaching techniques from 10-Aug-20-15-Aug-20 at ICT Academy.

Dr.C.Hemalatha. participated in Digital teaching techniques from 10-Aug-20-15-Aug-20 at ICT Academy.

Dr.S.Sasikala participated in Digital teaching techniques from 10-Aug-20-15-Aug-20 at ICT Academy.

Dr.K.Anbalagan participated in Digital teaching techniques from 10-Aug-20-15-Aug-20 at ICT Academy.

Dr.M.Thiruselvi participated webinar on Understanding the Mysteries of Microbial Ecology at Avinashilingam institute for Home science and Higher Education for Women on 22-Jun-20.

Dr.M.Thiruselvi participated webinar on Nanomaterial- based biosensors for Biochemical Application at Government Arts and Science College for Women, Krishnagiri on 09-Jun-20

STAFF PUBLICATION

Subbaian Kokila and BalliahRagavan, Effect of Kaempferiagalanga rhizome extract on Haematological parameters in streptozotocin induced Diabetic wistar rats, International Journal of Pharmaceutical Sciences and Drug Research, 2020.

Kokila Subbaian and Ragavan Balliah, Antihyperlipidemic effect of Kaempferia galanga in streptozotocin-induced diabetic rats, Drug Invention Today, Vol 14. Issue 3. 2020.



STUDENTS ACHIEVEMENTS

Kavya K of I. CLT won the Aspiring attender award inter Collegiate Competition held at Hindusthan College of Arts and Science on 16-Jun-21.

Shobanambal.M of II B.Sc CLT won the first Prize for Photography Contest held at ISHRE, Coimbatore on 05-Jun-21.

STUDENT PARTICIPATION

Kavya. K and Jeevadarini.S of I. B.Sc. CLT participated a One Week Skill Development program at Hindusthan College of Arts and Science, Coimbatore on 16-Jun-21.

Darsana.R and Shobanambal.M of II. B.Sc. CLT participated a World blood donor day Quiz at K.R. College of Arts and Science, Kovilpatti on 14-Jun-21.

Shobanambal. M of II. B.Sc. CLT participated a Ditto Art Contest KPR Institute of Engineering and Technology, Coimbatore on 09-Jun-21.

Pavithra M and Darsana. R of II. B.Sc. CLT participated a Environmental Day Quiz at R.V.S College of Pharmaceutical Sciences, Suler, Coimbatore on 05-Jun-21.

Pavithra M of II. B.Sc. CLT participated a Quiz competition at Karpagam Institute of Technology, Coimbatore.

Somasundharam.N, Reshma, Ranjith.G, Raghunath.V and Swetha.N of III. B.Sc. CLT participated a Quiz competition at EGS Pillay Group Of Institution on 06-Jun-20

Somasundharam.N, Pavithran.K, Ranjith.G, Raghunath.V and Swetha.N of III. B.Sc. CLT participated a Quiz competition at EGS Pillay Group Of Institution on 06-Jun-20

Mounika. E of III. B.Sc. CLT participated a National E Quiz at Sharda Mahavidyalaya Sarlanagar on 05-Jun-20

Mounika.E and Shobanambal.M of III. B.Sc. CLT participated a National Level Workshop at Dhanalaksmi Srinivasan, Institute of Research and Technology, Perambalur on 04-Jun-20.

III. B.Sc. CLT of Mounika. E participated a E-Poster Competition at Nandha Arts And Science College, Coimbatore

PLACEMENT

S.No	Name of the Student	Company
1.	Ponrithika K	ZIFO RND
2.	Gayathri. M	Agaram Diagnostics
3.	Swetha. N	Agaram Diagnostics
4.	Praveen Kumar. G	Bioline laboratory
5.	Aravind. S	Bioline laboratory
6.	Meena.S	Episource.
7.	Judy Stephina	Government Hospital in Hassan, Karnataka
8.	Danika.Y	Keerthi Laboratory's
9.	Shalini. S	KMCH
10.	Janadharshini. M	in Meditab Software(I) PVT.LTD
11.	Nisha. U	in Meditab Software(I) PVT.LTD
12.	Keerthana Priya. S	Royal Care Hospital
13.	Anbu. K	Episource
14.	Aswin. D	Episource
15.	Ranjith. G	Episource
16.	Malathi. S	Episource
17.	Vijayalakshimi	Episource
18.	Saranya. P	Episource
19.	Sakthi Kamaraj	Episource



DEPARTMENT OF BIOTECHNOLOGY

ABOUT OUR DEPARTMENT

The Department was established in 2002 with the goal of rendering innovative education to the learning aspirants. Biotechnology is being considered as a fast growing arena of research and innovation. Our department offers UG, PG, M. Phil and Ph.D programmes. The Department proves to be a good platform for the budding biotechnologists with excellent infrastructure and instrumentation facilities. At present, the department is functioning effectively with 9 staff members and 250 students.

GUEST LECTURES/INVITED TALKS

Dr. E.M. Shankar, Department of Life Sciences, Central University of Tamilnadu, delivered guest lecture in the topic entitled "Mechanistic aspects of microbial pathogenicity host-virus interaction" under DBT STAR College Scheme on 01.12.2020.

Dr. Kundlik B.Gadhawe, Post-Doctoral Fellow, John Hopkins University School of Medicine, USA delivered a guest lecture in the topic entitled "The Dark side of Alzheimer's disease and intrinsic disorder in amyloid cascade signaling" on 15.04.2021.

Dr. K.Brindha Narayanan, Associate Professor, Department of Animal Biotechnology, Madras Veterinary college, Chennai delivered a guest lecture entitled "Stem Cells in Veterinary and Biomedicine" under DBT STAR College Scheme on 24.02.2021.

WORKSHOPS /CONFERENCE CONDUCTED

Hands on training in "Stereomicroscopic techniques" for II B.Sc Biotechnology under DBT Star College by Dr. Radha Palaniswamy and Dr. P.Arun Scheme on 19/02/2021.



Hands on training in "Phytochemical Extraction from Medicinal Plants" for III B.Sc Biotechnology under DBT Star College Scheme by Dr. Radha Palaniswamy and Dr. P.Arun on 22/02/2021



Hands on training in "Quantification of Phytochemical Extraction from Medicinal Plants using nanophotometer for III B.Sc Biotechnology students under DBT Star College Scheme by Dr.Radha Palaniswamy and Dr.P.Arun on March 05, 2021.



Hands on training in "Stereomicroscopic techniques" for I B.Sc Biotechnology under DBT Star College by Dr.Radha Palaniswamy and Dr.P.Arun Scheme on 06/03/2021.



Knowledge Exchange Program (KEP)-21 on “Mushroom Cultivation and Entrepreneurship Opportunities” for II UG students of department of Commerce with computer applications by Dr.P. Deepak under DBT Star College Scheme on 18/03/2021.

DEPARTMENT ACTIVITIES

ALUMIMI INTERACTION

Alumni-Student Interaction in the topic “Biosimilars by Recombinant approach” by Dr. Surayyal. K.Mohammed (Alumnus –M.Sc Biotech (2009-2011)-Research Associate, Virupaksha Life Science Private Limited, Center for Cellular and Molecular Biology, Hyderabad, India.

Alumni-Student Interaction in the topic “ cGMP process in Industrial manufacturing – Best practices and Recommendations” by Mrs.Sandhya Manoj (Alumnus –B.Sc Biotech (2005-2008)-Manufacturing Associate III-AGC Biologics, Bothell, Washington (USA). Alumni-Student Interaction in the topic “ Assisted Reproductive Technology (ART) by Mr.M.Santhosh Kumar (B.Sc Biotechnology -2009-2012), senior embryologist-NOVA IVF Fertility center, Hyderabad on 29.01.2021.

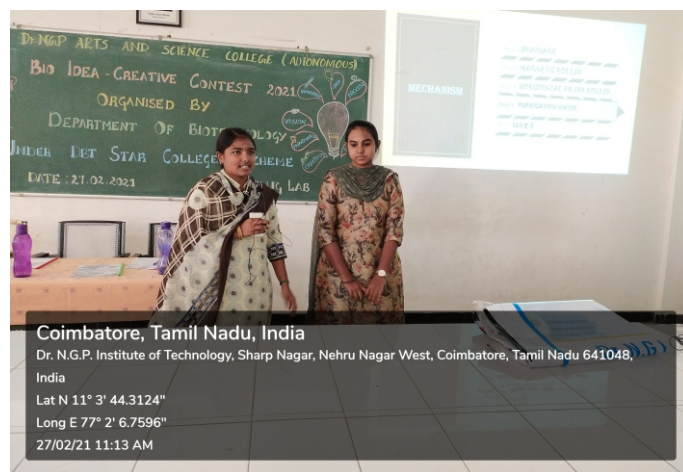
Interdepartmental Bioquiz programme was organized and coordinated by Dr.P.Arun on the eve of Science day celebrations on 10.03.2021 respectively.



International Day of Women’s Health was observed by biotechnology students under the sponsorship of DBT Star College Scheme on 12.02.2021 and recipes that enhance women’s immunity were exhibited and the event was inaugurated by our Principal, Prof. Dr. V.



Awareness on International childhood cancer day was observed by biotechnology students under the sponsorship of DBT Star College Scheme on 16.02.2021.



Bio-Idea 2021 was conducted for the faculty of Basic and Applied Science and Biosciences under the DBT Star College Scheme on 27.02.2021.

STUDENTS ACHIEVEMENTS:



In the event of International day of Women’s health conducted by Department of Biotechnology under DBT Star College scheme on 12.02.2021, first prize was awarded to Ms.Dharani sri and Ms. K.Selvadharani of II B.Sc Biotechnology, Ms. A.PadmaPriya, R.Beluah Grace and R. Sri Meenashi of III B.Sc Biotechnology has won second prize, B.Oviyashri of II M.Sc Biotechnology has won third prize and consolidated prize was given to Mr. B.Ramkumar and Mr.D.Prithivraj of II B.Sc Biotechnology

In the event of International childhood cancer day conducted by Department of Biotechnology under DBT Star College scheme on 16.02.2021, first prize was awarded to Ms.S.Sangari and Ms. Pratyasha Das of I B.Sc Biotechnology, Ms.U.Kowsika of I B.Sc Biotechnology has won second prize, Ms.SL.Kalaimathy and J.Jayashree of I B.Sc Biotechnology has won third prize and consolidated prize was won by Mr.S.Jeevanandham and Mr. R.Jaisurya of I B.Sc Biotechnology.



In the event of Bioidea (creative contest-2021), an interdepartmental competition conducted by Department of Biotechnology under DBT Star College scheme on 27.02.2021, first prize was awarded to Ms.G.Abarna and V.Gopika of I B.Sc Biotechnology, Ms.P.Hemavarshini and SM.Narmadha of I B.Sc Biotechnology has won second prize, Ms.T.Malavika and Ms. B. Navaneetha of I B.Sc Biotechnology has won third prize.

FACULTY ACHIEVEMENTS:

Dr. P. Chidambararajan- has published papers titled as "Food Colorant from Anthocyanins of Brassica Oleraceavar" in International journal of all Research Education and Scientific Methods, "Upgradation of maize stalk waste as an alternate agrarian raw material for the production of amorphous silica composites in journal of Analytical and applied pyrolysis and "Use of natural pigments as colorants in cosmetics-A Review" in Journal of Eme Technology Inn Research. Has participated in four Faculty Development Programmes. Has organized and Co-ordinated all the DBT- STAR College Scheme seminars, workshops and events.

Dr. V. Shanmugaraju — has participated in two Faculty Development Programmes. Has organized and Co-ordinate all the DBT-STAR College Scheme seminars, workshops and events.

Dr. Arun.P — has published his research work as "Bioplastic from Cassava Starch" in International Journal for Modern Trends in Science and Technology, "Mosquito Repellent Activity of Tridax procumbens Leaves- A Commercial Product" in International Journal for Modern Trends in Science and Technology and "Preparation of Gelatin Film Incorporated with Extracts of Hemigraphis Colorata Used as Wound Dressing" in International Journal for Modern Trends in Science and Technology". Has participated in 14 faculty development Programme. Have organized workshops on "Stereomicroscopic

techniques", "Phytochemical Extraction from Medicinal Plants" and "Quantification of Phytochemical Extraction from Medicinal Plants using nanophotometer" under DBT STAR College Scheme.

Dr. K. Arungandhi has published research article titled "Herbal Drinking Water and its uses in International Journal for Research in Applied Science & Engineering Technology. Has participated in 03 faculty development Programme. Has organized the guest lecture series to the under graduate and Post graduate students of Biotechnology under DBT STAR College scheme.

Dr. M.N. Kathiravan has published book chapter in the topic "In-Vitro cytotoxic activity of Nyctanthes arbortristis extracts in Lambert Academia Publishing, Germany. Has participated in the 11 workshops, Faculty Development programmes. Presented a guest lecture in the topic "Creating Phylogenetic trees with MEGA software at Dr.N.G.P Arts and Science College on 20.04.2021.

Dr.M.Poongothai has won the Award for presentation on "Sustainable Agriculture" in Creative Pitch Deck competition conducted during IGEN Nobel Laureate Lecture Series organized by IGEN and KPRIET, Coimbatore. Resource person for "PCR Workshop" and judge for "Sustainable goal" presentation by students in the Department of Biochemistry. Acted as judge in "TALENT HUNT", an online cultural event organized by Fine Arts club of Dr.N.G.P Arts and Science College. Presented a guest lecture in the topic "Food and Mood" at Nehru Arts and Science college on 28.06.2021. Published her research work on "Isolation of Siderophore producing bacteria from seaweed (Solieria robusta, Kappaphycus alvarezii, Gracilaria edulis, Turbinaria ornata)" in International Journal of Scientific & Engineering Research, "Cellulose and Starch as the Source of Bioplastic" in International Journal for Research in Applied Science & Engineering Technology, "Biosynthesis of iron nanoparticle by Pseudomonas sp. and its plant growth promotion" in Scrutiny International Research Journal of Biological and Environmental Science (SIRJ-BES), "Tetraselmis indica Mediated Green Synthesis of Zinc Oxide (ZnO) Nanoparticles and Evaluating Its Antibacterial, Antioxidant, and Hemolytic activity" in BioNanoScience. Published book chapter entitled "Handbook of Biotechnology, 1st edition" in AIB Saliha Publications, India. Has participated in 14 faculty development Programme and workshops. Has organized and Co-ordinated all the DBT- STAR College Scheme seminars, workshops and events.

Dr. Radha Palaniswamy has six papers titled "Carotenoids: Source of Food Color and its Benefits" in International Journal for Modern Trends in Science, " Comparison of Carbohydrate, Protein and



Vitamin C from raw and boiled vegetable samples" in Journal of Pharmaceutical Quality Assurance and Quality Control, "Synthesis of Bioplastic from *Tridax procumbens*" in International Journal of Creative Research Thoughts, "Characteristics of *Justicia Tranquebariensis*" in International Journal of Creative Research Thoughts, "Production of Biofuel Using Browning Oil" in International Journal of Environmental and Ecology Research, and "Determination of Antioxidant, Antibacterial and Anticoagulant Activity of *Artemesianilagirica* Root and Stem" in International Journal of Creative Research Thoughts. Has participated in 08 faculty development Programme and workshops. Have organized workshops on "Stereomicroscopic techniques", "Phytochemical Extraction from Medicinal Plants" and "Quantification of Phytochemical Extraction from Medicinal Plants using nanophotometer" under DBT STAR College Scheme.

Dr.S.Saranya-Participated in 04 faculty development Programme and workshops. Has organized the day celebrations such as Observance of International day of Women's health on Feb 14, 2021, Awareness on International childhood cancer day on Feb16, 2021 and conducted the Interdepartmental Bio-Idea competition on Feb27, 2021.

Dr.P.Deepak-Participated in 03 faculty development Programme. Has organized a Knowledge Exchange Program (KEP)-21 on "Mushroom Cultivation and Entrepreneurship Opportunities" for II UG students of department of Commerce with computer applications under DBT Star College Scheme on 18/03/2021.

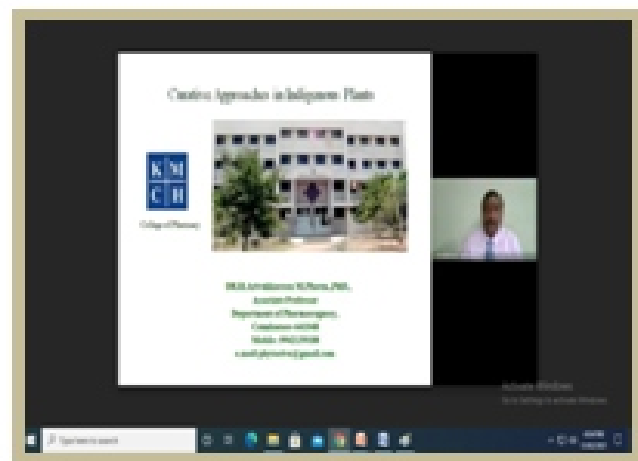
Mr.S.Kamalakkannan — Participated in 2 Faculty Development programme and 2 online conferences. Has organized and Co-ordinate all the DBT- STAR College Scheme seminars, workshops and events.



ABOUT THE DEPARTMENT:

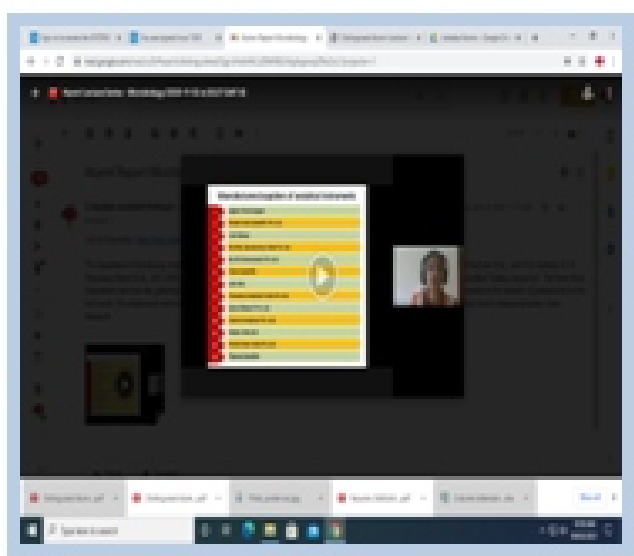
The department of Microbiology was established in the year 2003 with the postgraduate programme and in 2004 with the undergraduate programme. The research programme comprises M. Phil and Ph. D which were started in the year 2005 and 2007 respectively. The department is funded and supported by DBT Star College Scheme, New Delhi. The department has a strong link with the Kovai Medical Center and Hospital and other institutions of the trust with more collaborative research projects. The department is armed with well qualified, dedicated and experienced faculty members. The department is committed towards the academic (curriculum and co-curriculum) growth of the students as well as fostering the teaching and research activities of the faculty.

Darsana R, Microbiologist, Quality Evaluation Laboratory, Spices Board of India, Kochi delivered a talk on "Getting Geared up" during "Distinguished Alumni Lecture Series 2020" on 03.11.2020 through Google meet.



The department of Microbiology under DBT star College scheme has organized Virtual competitions - Oral presentations on "Recent Developments in Microbiology" on 08.01.2021.

The department of Microbiology under DBT star College scheme has organized virtual workshop on "Applications of Bioinformatics" on 09.01.2021. Dr. R. Sathish Kumar, Assistant Professor, PG and Research Department of Biotechnology, Kongunadu

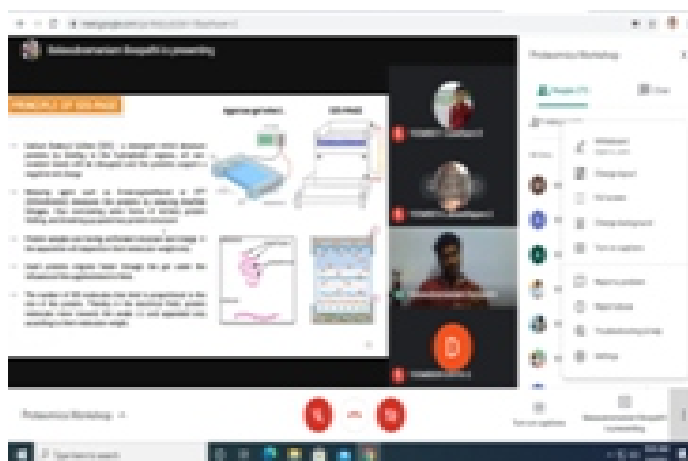


Dr. R. Arivukkarasu, Associate Professor, Department of Pharmacognosy, KMCH College of pharmacy, Coimbatore delivered a webinar on "Curative Approaches in Indigenous Plants" on 09.11.2020.



The department of Microbiology under DBT star College scheme has organized virtual workshop on "Proteomics and Mass Spectrometry: Basics And Applications" on 04.02.2021. Dr. B. Balasubramaniam, BSR Fellow, Department of Biotechnology, Alagappa University, Karaikudi was the resource person.

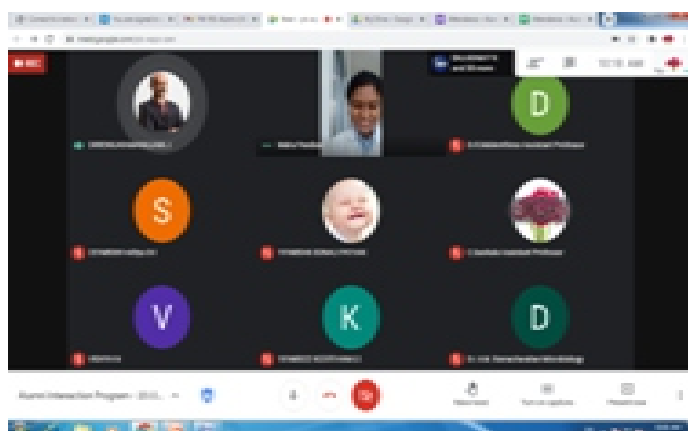




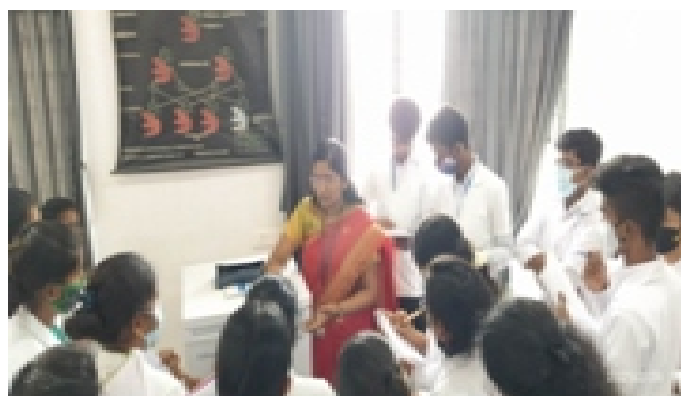
The department of Microbiology under DBT star College scheme has organized an Awareness Programme on "Leprosy is a Curable Disease" to the General Public at Veeriyampalayam village on 06.02.2021.



Ms. S. Mahalakshmi Associate Microbiologist, Amway India Enterprises Pvt Ltd, Madurai delivered An Alumni Interaction on the topic "Scope for Microbiologist in Industries" on 20.02.2021 through Google meet.



The department of Microbiology under DBT Star College scheme has organized workshop on "Instrumentation Techniques in Microbiology for Undergraduate students" on 26.02.2021 at Microbiology Laboratory.



Ms. Josheba Philip, Medical summeriser, Aosta Software Technologies, Coimbatore delivered An Alumni Interaction on the topic "Opportunities for Biologist in Information Technology" on 27.02.2021 through Google meet

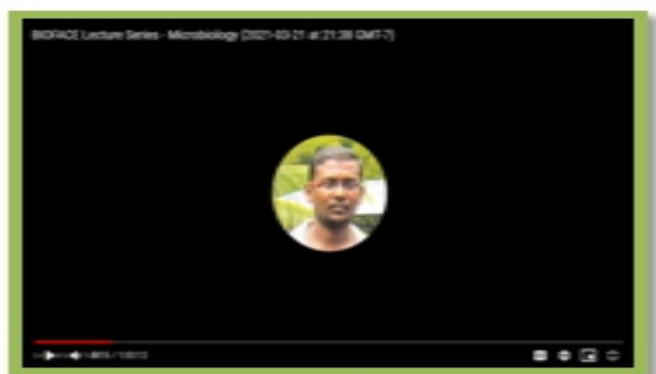


The department of Microbiology under DBT star College scheme has organized a Interdepartmental training on "Mushroom Cultivation" on 06.03.2021. Dr. J. Devakumar, Assistant Professor, Department of Microbiology was the resource person.



The Department of Microbiology organized a Bioface event. Dr. C. Saravanan, HACCP Coordinator, Royal Food Products, Edmonton, Alberta, Canada delivered a talk on "Procedures and Protocols in Food Industry with specific reference to Microbiology" on 22.03.2021 through Google meet.





The department of Microbiology under DBT star College scheme has organized an Extension programme about "Awareness Program on COVID Vaccines" to the Student of Dr. NGP ASC on 23.03.2021.



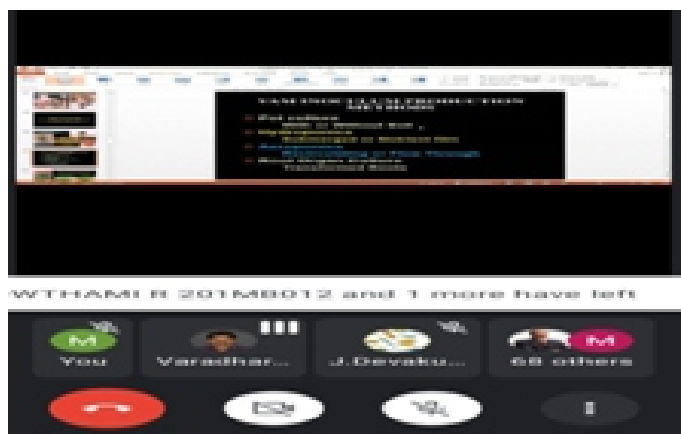
Dr. Priya Puthan, Center Head, Dhyeya Food Safety Training and Consultancy, Aurangabad delivered a talk on "Food Hazards—A Global Concern" on 24.05.2021 through Google meet.

Dr. K. Karthikeyan, (UGC-NET & TNSSET), Senior Scientist & Laboratory Head, Schedule –I Environmental Auditor (GPCB), Gujarat Institute of Desert Ecology, Gujarat delivered a talk on "Multifaceted role of microorganisms in Environmental sustainability" on 25.05.2021 through Google meet.

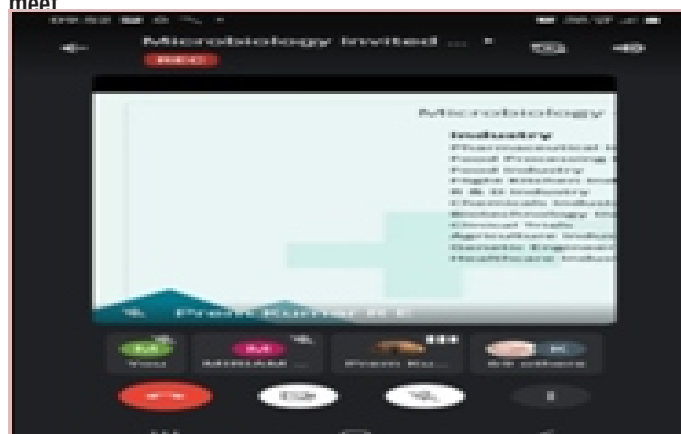
Mr. Madavan Vasudevan, Founder & CEO, Theomics Pvt Ltd, Bangalore delivered a talk on "Genomics data science" on 26.05.2021 through Google meet.

Dr. N. S. Maanoj, Founder & Principal Scientist, Universal Snakebite Education and Research organization, Krishnagiri, Tamilnadu delivered a talk on "Key factors on Venomous Snakebite Management and Research" for Meritorious Alumni Virtual Lecture on 26.05.2021 through Google meet.

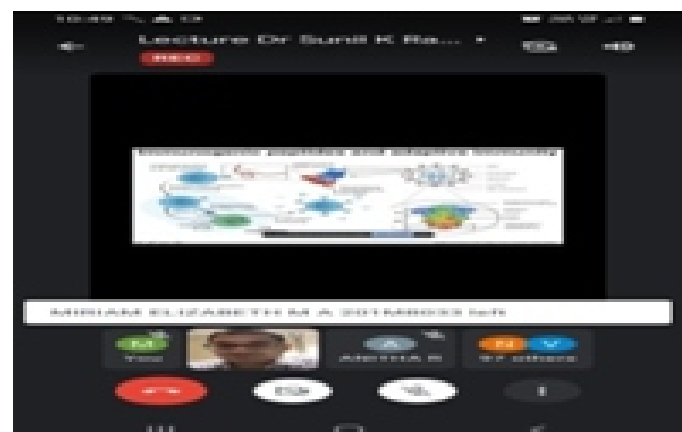
Dr. V. Mohan, Head R& D, NeuGen Biologicals Pvt Ltd Coimbatore delivered a talk on "Microbial Biofertilizers and its applications to improve the soil fertility" on 27.05.2021 through Google meet.



Mr. R. E. Prem Kumar, Senior Consultant, Genworks Health Pvt Ltd, Coimbatore delivered a talk on "Pharmaceutical Industry – Options and Opportunities for Microbiology" on 28.05.2021 through Google meet



Dr. Sunil K. Raghav, Scientist – E, Institute of Life Sciences, Bhubaneswar delivered a talk on "Genetic and Immunological Aspects of COVID-19" on 29.05.2021 through Google meet.



Dr. Sanhar Rao Macherla, Manager, Gen BioSciences, Hyderabad delivered a Webinar session on the topic "Microbes to Market" on 30.05.2021.



STUDENT ACHIEVEMENTS



- Ms. Anagha Nair, II M Sc., Microbiology presented a paper on "Importance of Microorganisms in Research –ICMR 2020" during Virtual one day International Conference organized by IQAC and Department of Microbiology, Annai Violet Arts and Science College, Chennai on 07.11.2020.

STUDENT PARTICIPATION



- III B.Sc., Microbiology students were participated in the Training Programme on Mushroom Cultivation organized by Mushroom Training and Research Centre, TNAU on 05.02.2021.
- Ms. A. Nivedha, III B.Sc., Microbiology has been selected for Science Academies Summer Research Fellowship Programme for Students and Teachers 2020 under the guidance of Goswami, Dr. Chandan, NISER, Bhubaneshwar.
- Ms. Nisha R B, M.Sc., Microbiology has been selected for PG Indira Gandhi Single Girl Child Scholarship and sanctioned Rs. 36,200 for 2 years.
- More than 400 students were completed online courses from

RESEARCH FUNDING



- Ms. Menaka and Dr. S. Karthik Sundaram, Assistant Professor received fund of Rs. 7500/- from TamilNadu State Council for Science and Technology on the topic "Bioremediation of Preprocessed Plastic Wastes through Microbial Consortium".
- Dr.S.S.Sudha, Professor has received fund of Rs. 12,12,778/- under DBT Star College Scheme.

STAFF ACHIEVEMENTS



- Dr. S. Senthil Prabhu, Assistant Professor has completed Five days online Training Course on "Gel based Proteomics" by Amazing Biotech Ltd., Chennai during 21.06.2020 to 25.06.2020.
- Dr. S. Senthil Prabhu, Assistant Professor has completed Three days online Training course on "Real Time PCR based Gene Expression and Pathogen detection" by Amazing Biotech Ltd., Chennai during 06.07.2020 to 08.07.2020.
- Dr. S. Senthil Prabhu, Assistant Professor has completed Four days online Training course on "Mass Spectrophotometry and Proteomics" by Amazing Biotech Ltd., Chennai during 15.07.2020 to 18.07.2020.
- Dr.S. S. Sudha, Professor, Department of Microbiology acted as BoS Subject Expert during BoS meeting held at Vivekanandha College of Arts and Science for Women on 13.09.2020 through Google meet.
- Dr. J. Devakumar, Assistant Professor has participated in webinar on "Cancer Prediction using Machine Learning" organized by

Wisecorner Laboratories Pvt Ltd on 15.09.2020.

- Dr. S.S.Sudha Professor has participated in webinar on "Cancer Prediction using Machine Learning" organized by Wisecorner Laboratories Pvt Ltd on 15.09.2020.
- Dr. J. Devakumar, Assistant Professor has participated in Certificate Course on Digital Teaching Techniques organized ICT Academy on 15.09.2020.
- Dr. S.S.Sudha Professor has participated in webinar on Institution's Innovation Council (IIC) organized by MHRD's Innovation Cell, New Delhi on 15.09.2020.
- Dr. S.S.Sudha, Professor has participated in Certificate Course on Digital Teaching Techniques organized ICT Academy on 15.09.2020.
- Dr. S. Karthik Sundaram, Assistant Professor has participated in National webinar on "Food Safety" organized by Nehru Arts and Science College on 15.09.2020.
- Dr. S. Karthik Sundaram, Assistant Professor has participated in Certificate Course on Digital Teaching Techniques organized ICT Academy on 15.09.2020.
- Mrs. C. Sasikala, Assistant Professor has participated in Certificate Course on Digital Teaching Techniques organized ICT Academy on 15.09.2020.
- Dr. S. Karthik Sundaram, Assistant Professor acted as Alumni representation in online Board of Studies meeting of Microbiology department at Thiagarajar College, Madurai on 30.03.2021 through Google meet.
- Dr.S. Karthik Sundaram, Assistant Professor has delivered a talk on "Importance of Microorganisms in Research –ICMR 2020" at Virtual one day International Conference organized by IQAC and Department of Microbiology, Annai Violet Arts and Science College, Chennai on 07.11.2020.
- Dr. S. Senthil Prabhu, Assistant Professor has been completed his Viva voce examination through Google meet and awarded Doctorate in Microbiology on 30.11.2020.
- Dr. S. Senthil Prabhu, Assistant Professor has participated AICTE sponsored One Week Short Term online training Programme on "Biotechnology and its application in Tribal areas" at Ballarpur Institute of Technology during 07.12.2020 to 12.12.2020.
- Dr. J. Renga Ramanujam, Professor and Head has participated University Distinguished Lecture on "Art of Science in the Time of Virus and Beyond: The Brave New World" at SRM University on 05.12.2020.
- Dr. J. Renga Ramanujam, Professor and Head has completed online FDP on "Educational Management and Leadership for Sustainable Environment" at CALEM, Panjab University during



10.12.2020 to 30.12.2020. \Dr. J. Renga Ramanujam, Professor and Head has completed Online FDP of AICTE Training and Learning (ATAL) Academy conducted by Dr B R Ambedkar National Institute of Technology during 04.01.2021 to 08.01.2021.

- Dr. S. Senthil Prabhu, Assistant Professor has completed UGC Stride Sponsored nine day online Training Program on Excellence in Research organized by Avinashilingam Institute for Home science and Higher Education for Women, Coimbatore during 27.01.2021 to 08.02.2021.

- The faculty members Mrs. C.Sasikala, Dr. J. Devakumar, Dr. R. Mahendran, Dr.S. Karthik Sundaram, Dr. A. M. Ramanchandran, Dr. N. Vidhya, Dr. S. Senthil Prabhu were participated in Online Certificate Course on "HPLC Mass Technology" HPLC Mass Facility, Department of Applied Chemistry, Karunya Institute of Technology and Sciences, Coimbatore during 17.2.2021 to 20.2.2021.

- Dr. J. Devakumar, Assistant Professor Webinar on "Research at Undergraduate" at Bharathidasan College of Arts and Science, Erode on 26.02.2021 through Google meet.

- Dr. S. Senthil Prabhu, Assistant Professor has participated in "E-workshop on High-End Characterization of Microalgae: Overcoming the Technological Barriers" at the TERI center during 03.03.2021 to 04.03.2021.

PUBLICATIONS

- Mrs. C. Sasikala, Dr. D. Geetharamani, M Mynumathi. 2020. Bioremediation of dairy effluent and mass production of algal biofertilizer, International Journal of Scientific Development and Research, 5(6).

- Dr. S. Karthik Sundaram, 2020, Bioremediation of Preprocessed Plastic Wastes through Microbial Consortium, Journal of Advanced Scientific Research, 5(6).

- Dr.S.S.Sudha, Dr. Devakumar, Maduri Nagarajan, Sindhuja Baskaran, 2020, Synthesis and Characterization of Silver Nanoparticle from Couroupita Guianensis Leaf Extract and Its Effect on Clinical Pathogens, Asian Journal of Pharmaceutical and Clinical Research, 13(10).

- Dr. Mahenthiran R, Sudharsan K, Sornambiga Ravi, Archana S. Nair, Vishnu Priyanka K, Poovendiran P, 2021, Preparation and characterization of antigens against isolated Shigella spp from infected stool samples, World Journal of Pharmaceutical Research, 10(4).

- Dr.R. Mahenthiran, Sornambiga Ravi, Sri Alamelu.K.V.2021, Generation, Purification and Characterization of Chicken Egg Yolk Antibodies (IgY) against Lipase Enzyme, International journal of research and analytical reviews,8(1).

- Dr.R. Mahenthiran, 2021, Antimicrobial activity of Chromolaena odorata against wound infection, International Journal of

Engineering Applied Science and Technology (IJEAST), 5(10).

- Dr.R. Mahenthiran, 2021, To evaluate the anti-microbial efficiency of Chlorohexidine, nisin, chitosan, and IgY antibodies against enterococcus faecalis, and candida albicans, World Journal of Pharmaceutical Research (WJPR), 10(4).

- Dr. Mahenthiran R, Sri Alamelu K.V, Sornambiga Ravi, 2021, To evaluate the anti-microbial efficiency of Chlorohexidine, nisin, chitosan, and IgY antibodies against enterococcus faecalis, and candida albicans, World Journal of Pharmaceutical Research, 10(4).

- Dr. R. Mahenthiran, Sornambiga Ravi, Sri Alamelu. K. V, 2021, Production of oral IgY Antibody-A novel immunotherapy against Clostridium difficile, International Journal of Trend in Scientific Research and Development, 5(3).

- Dr. R. Mahenthiran, 2021, Antibigram properties of aloe vera extracts against fungal isolates from agricultural land, International Journal of Advance Research and Innovative Ideas in Education, 7(1).

- Dr. R. Mahenthiran, 2021, Evaluation of Antimicrobial Properties of Acalypha Indica Extract Against Gastrointestinal Infection Causing Organisms, International Journal of Pharmaceutical Research and Applications (IJPRA), 6(1).

- Dr. R. Mahenthiran, 2021, Examination of Antibigram Level for Isolated Microorganisms from the Indian Currency Notes and Coins, International Journal of Innovative Science and Research Technology (IJISRT), 6(2).

- Dr. R. Mahenthiran, Sornambiga Ravi, Sri Alamelu. K. V, 2021, Generation and characterization of chicken egg yolk antibodies against common pathogens like canine parvovirus, canine coronavirus and salmonella typhimurium, International Journal of Creative Research Thoughts, 9(3).

- Dr. Mahenthiran R, Sri Alamelu K.V, Sornambiga Ravi, 2021, Generation and Characterization of Chicken Egg Yolk Antibodies (IgY) against Helicobacter pylori and Testing its Potential by In Vitro Method for Therapeutic Use, Pensee International Journal, 51(4).

- Dr. Mahenthiran R , 2021, Generation, purification and characterization of antigliadin antibodies against celiac disease in white leghorn hen, Strad research Journal (SR).8(5).

- Dr. Mahenthiran R , 2021, Development of an ELISA based



detection kit using chicken egg yolk antibody against gastrointestinal infection causing *Salmonella enteritidis* in poultry, International Journal of Creative Research Thoughts (IJCRT), 9(5).

- Dr. Mahenthiran R, 2021, Preparation of oral mouth wash and their characterization using chicken IgY antibodies against *Candida albicans*, International Journal of All Research Education and Scientific Methods (IJARESM), 9(5).
- Dr. Mahenthiran R, 2021, Generation and Characterization of chicken egg yolk antibodies against *Shigella* sp and comparison studies with *Rhododendron nilagiricum*, Journal of Emerging Technologies and Innovative Research (JETIR), 8(5).
- Dr. Mahenthiran R, 2021, In-vitro evaluation of chicken egg yolk antibodies generated against *Streptococcus pyogenes*, International Journal of Creative Research Thoughts (IJCRT), 9(5).
- Dr. Mahenthiran R, 2021, Global Health Crisis COVID-19: A Prompt Review, Science and Engineering Journal (SAE), 25(5).
- Dr. Mahenthiran R, 2021, Assay of antigenic preparation for Production of Antibody against Bacterial and Fungal spp. Aegaeum journal(AJ), 9(6).
- Dr. R. Mahenthiran, 2021, Journal of Emerging Technologies and Innovative Research (JETIR) Antibacterial activity of sweet orange (*Citrus sinensis*) on *Staphylococcus aureus* and *Escherichia coli* isolate from wound infections.8(7).
- Dr. R. Mahenthiran, 2021, nalysis of genetic variants and mutationof the novel coronavirus sars-CoV-2, World journal of pharmacy and pharmaceutical sciences (WJPPS), 10(8).
- R. Menaka, S. Karthik Sundaram, 2021, Production of biodiesel based on the bio remedative potential of algae on industrial effluent, International Journal of Scientific Development and Research, 6(6).
- Dr.N.Vidhya, 2021, Antibacterial and phytochemical analysis of *Cuminum cyminum* (cumin) and *Illicium verum* (Star anise) against clinical pathogens, World Journal of Pharmaceutical Research, 10(6).
- Dr.N.Vidhya, 2021, Tannase enzyme extracted from *Aspergillus niger* under solid state fermentation using leaves as the substrate and their application on antibacterial activities, International Journal of creative research thoughts.
- Dr.N.Vidhya, 2021, Antibacterial and phytochemical analysis

of *Cinnamomum zeylanicum* and *Artemisia absinthium* oil against the food borne microbes, World Journal of Pharmaceutical Research, 10(6).

- Dr. A.M. Ramachandran, 2021. Green synthesis of silver nanoparticles using *Zingiber officinale* rhizome extract and its, International journal of creative research thoughts.
- Dr. J. Devakumar,2021, Evaluuate efficiency of *euphorbia tirucalli* l.against ear infection causing pathogens, International journal of creative research thoughts.
- Dr. J. Devakumar, 2021, Comparative study of banana peel and black tea extracts against periodontitis causing *staphylococcus aureus*, International Journal of Creative Research Thoughts.
- Dr. J. Devakumar, 2021, Development offungal Consortium todegrade thepolyethylene Polymer andpolystyrene, International journal of progressive research in science and engineering.
- Dr.R.Mahenthiran, 2021, Assay of Antigen Preparation for Production of Antibody against Bacterial and Fungal spp, Aegaeum journal.
- Dr.R.Mahenthiran, 2021, Analysis of genetic variants and mutations of the novel coronavirus sars-cov-2, World journal of pharmacy and pharmaceutical sciences.
- Dr.R. Mahenthiran, 2021, 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).



ABOUT THE DEPARTMENT

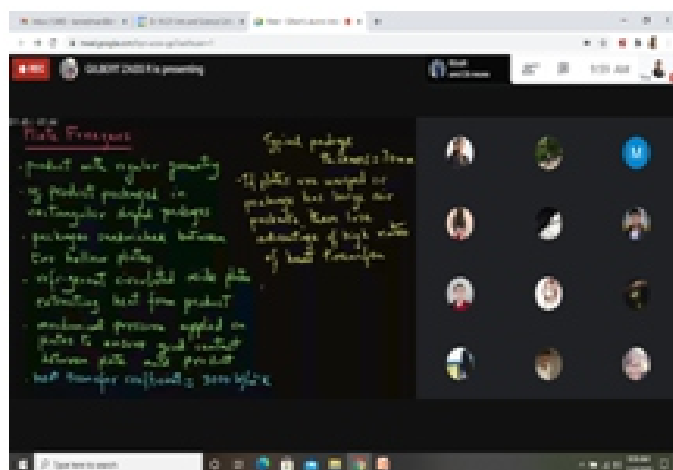
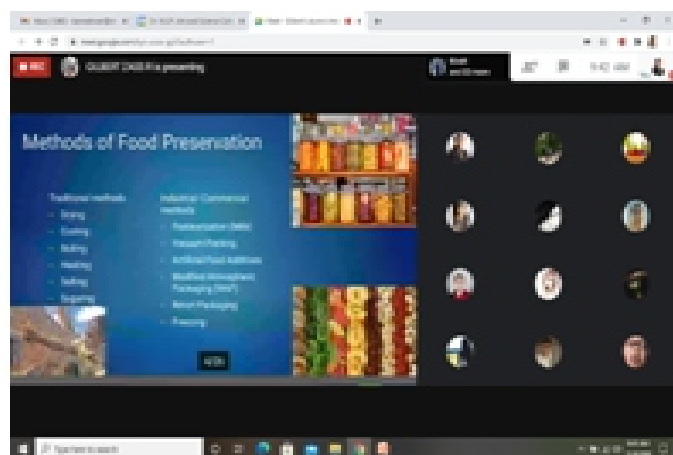
The Department of Nutrition and Dietetics was started in the year 2003 offering the course B. Sc. in Food Science and Nutrition with well-equipped laboratories. Post Graduate course in Food and Nutrition was started in the year 2004. The department also extends the activities of research by offering Master of Philosophy in Food and Nutrition from the year 2005 and Doctorate of Philosophy from the year 2016 onwards. The Department has qualified and well experienced faculties.

ACTIVITIES OF THE DEPARTMENT

Alumni interaction

An Overview of Food Processing Industry under DBT Star College Scheme has been given to III B.Sc., Food Science and Nutrition students on 8th November, 2020. This interaction was given by Gilbert Zass. R, R & D Officer, Innovative foods Ltd, Kerala.

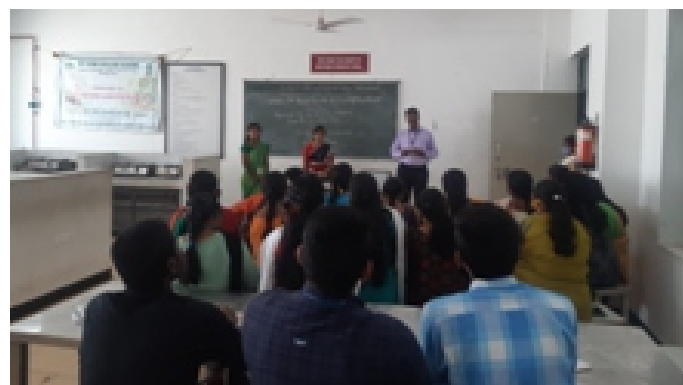
Student's participation in online alumni interaction



WORKSHOP ON PHYSICAL PARAMETER ASSESSMENT OF FOOD PRODUCTS

Workshop on Physical Parameter Assessment of Food Products was organized on 27th February, 2021 for the III B.Sc. Food Science and Nutrition and II M.Sc. Food and Nutrition students. The chief guest Dr. C. Selvakumar, Professor and Head, Department of Physics, Dr. N. G. P. Arts and Science College addressed the gathering.

STUDENT'S INTERACTION WITH THE GUEST



FOOD EXHIBITION

Department of Food Science & Nutrition students have displayed charts and food products based on the importance and health benefits of cereals, pulses, oil seeds, nuts, fruits and vegetables. Our Deans - Dr. S. Balasubramanian – Dean R&D, Dr. Geetharamani – Dean Academics and Dr. S. S. Sudha, DBT Co-coordinator visited the food expo and interacted with the students.

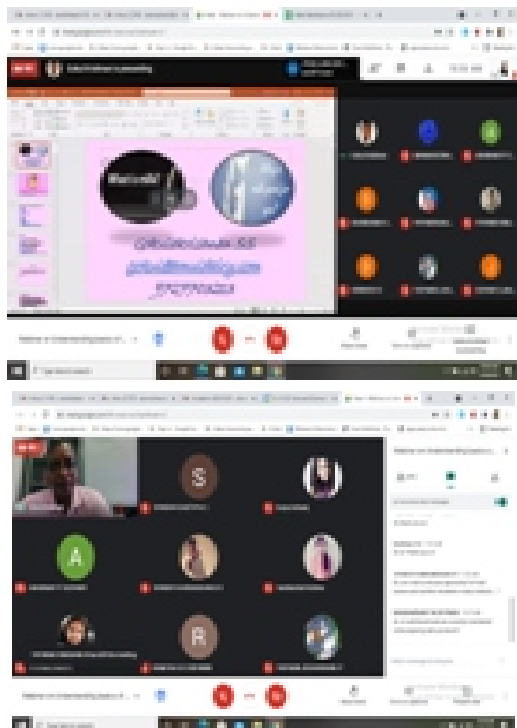
DR. S. BALASUBRAMANIAN, DEAN R&D VISIT TO FOOD EXPO



Webinar on Understanding basics of dairy technology and Indian dairy industries

Department of Food Science & Nutrition students were participated in Webinar on Understanding basics of dairy technology and Indian dairy industries on 30th, May, 2021. GokulaKrishnan.S.S. Senior manager (QA & RD), Amul dairy, Anand addressed and interacted with the students in virtual mode.

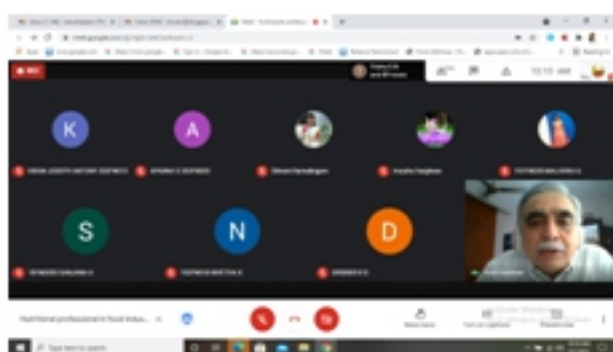
Gokula Krishnan.S.S addressed the gathering



WEBINAR ON NUTRITIONAL PROFESSIONAL IN FOOD INDUSTRY

Department of Food Science & Nutrition students were participated in Webinar on Webinar on Nutritional Professional in Food industry on 1st, June, 2021. Amit. C. Vaishnav, Director, Mega food products, Ambattur, Chennai addressed and interacted with the students in virtual mode.

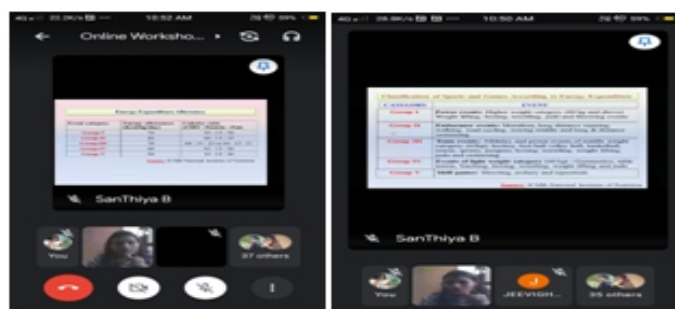
Amit. C. Vaishnav interaction with the students



VIRTUAL WORKSHOP

Department of Food Science & Nutrition students participated in Online Workshop on Nutrition for Sports person on 25th, April, 2021. Ms. B. Sandhiya, Teaching Assistant, National Institute of Nutrition, Hyderabad interacted with the students on nutritional requirements and its calculation for sports persons.

Ms. B. Sandhiya interaction with the students in virtual mode



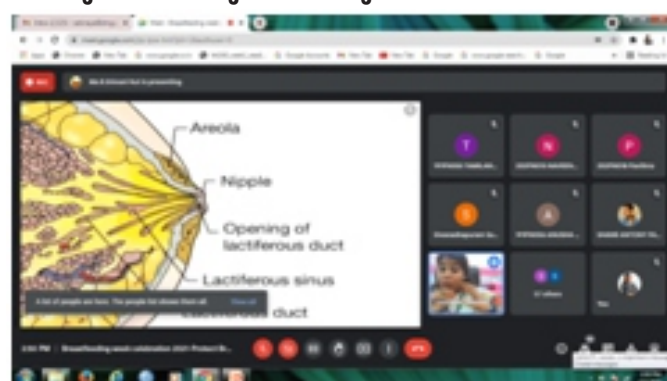
EXTENSION ACTIVITIES

World Breast Feeding Week 2021

Creating awareness on Importance of Breast Milk for adult female students

The awareness program was organized on 3rd August, 2021, by Dr. DivyaArun, Obstetrician, Gynecologist, Infertility Specialist at Femmed Clinic, Chennai for 150 students, to create awareness and importance of breastfeeding among the female students.

Lecture given the chief guest via Google meet

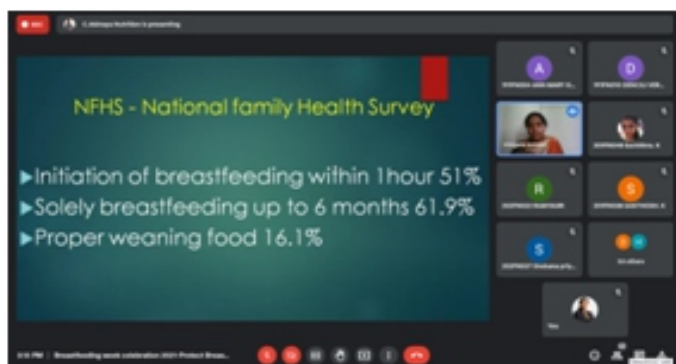


Guest lecture on premenstrual and menstrual syndrome among adolescent girls

On 29th October, 2020, our department has organized a guest lecture on premenstrual and menstrual syndrome among adolescent girls, the lecture was given by GeethaRajendran, Proprietor, VJ Prana-Yoga, Nutrition and Fitness Studio, Salem



A snap of the guest lecture given via Google meet



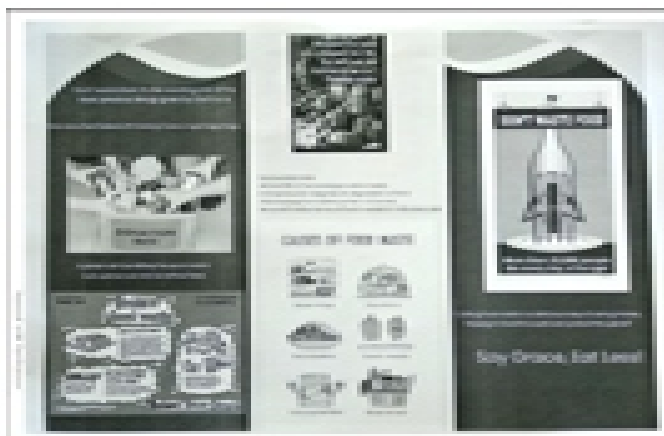
EXTENSION ACTIVITY ON PERSONAL HYGIENE

On 6th March, 2021, our department has done an extension activity on personal hygiene and importance of food and its wastage to the general public.

Education given by our department students



Pamphlets used for the education



Ms. P. Kanneshwari, Assistant Professor, received copy right - for their study on development organoleptic evaluation of omega 3 enriched Ice Cream

Dr.D.Sridevi, Head & Associate Professor, received copyright for their Study on Formulation and Standardization of Spriggy Papad

Ms.R.Shivani, Assistant Professor, received copyright for their Study on Development of Tempeh Incorporated with Soyabean, Barley, Kidney Bean and Analysis of its Nutritive Value

Ms.C.Abinaya, Assistant Professor, received copyright for their Study on Development and Evaluation of Iron Rich Cookies by using Drumstick and Agathi Leaves

Dr. S.Daniel Robert, Professor, received Inspiring Professor Award from Advanced Materials and Applications, Madras Journal Series, Tiruvallur and Best Senior Faculty Award from Novel Research Academy

Dr.D.Sridevi, Dr.S.Umamaheswari, Ms.R.Shivani and Ms.P. Kanneshwari participated in the National Low Salt Cooking Challenge under Eat Right India Movement conducted from 27.01.2021-12.03.2021.

STUDENT'S ACHIEVEMENTS

Manjula V Vishvanathan (2020 batch) of III B.Sc. received the Merit cum Means Scholarship (Rs. 20,000) for UG students of Food Science & Nutrition by PFNDI

Lara Annie (2018 batch) of II M.Sc has become an entrepreneur (Zane Food Products)

Paul Clinton (2018 batch) of II M.Sc has become an entrepreneur (Viji's Masala)

Arthi.C (2020 batch) of III B.Sc. received ICON of Students award from Skill Indian Award in Chennai





Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Re-accredited by NAAC with 'A' Grade (2nd Cycle)

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