



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 2019- 2020

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DEPARTMENT OF BIOCHEMISTRY

ABOUT THE DEPARTMENT

The Department of Biochemistry started in the year 1997 has produced 719 undergraduates, 470 postgraduates, 81 M.Phil and 23 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.

ACTIVITIES OF THE DEPARTMENT

First G. N. Ramachandran Endowment Lecture, 13.03.2020

Dr. N. Srinivasan, Professor, Faculty of Molecular Biophysics, Indian Institute of Science, Bangalore was the chief guest and delivered a lecture on the topic, 'Revisiting India's Pride: The Ramachandran Map - All Over Again'.



ACADEMIC FELLOWSHIP

Dr.C.Venkatesan, Professor in Biochemistry received IAS-INSA-NASI Summer Research Fellowship in 2020 to work in International Centre for Genetic Engineering & Biotechnology, New Delhi.

TNSCST SPONSORED STUDENT PROJECT

Mr.K.B.Leneey Green, II M.Sc Biochemistry under the guidance of Dr.K.Rajathi, Professor in Biochemistry received Rs.7500 towards a funded project from Tamil Nadu State Council for Science and Technology under Student Project Scheme entitled, 'Design and implementation of intelligent biosensors, personal defense devices in smart watches for women sexual harassment' during March 2020.

INVITED LECTURES

Dr.MurugeshEaswaran, Research Scientist –I, Nutritional Improvement of Crops, International Centre for Genetic Engineering and Biotechnology, New Delhi delivered a talk on 'Machine Learning on Biotechnology: Drug Pooling Perspectives' on 28-Jun-19.

Prof.Dr.M.Nethaji, Chief Scientist Department of Inorganic and Physical Chemistry, Indian Institute of Science Bangalore delivered a talk on 'Biotechnology of DNA Cleaning for Photodynamic Therapy' on 16-Sep-19.

Dr.SatheeshBabu Natarajan, Associate Professor and Head, Department of Pharmaceutics, Faculty of Pharmacy, Lincoln University College, Malaysia delivered a talk on 'Recent Advancements In Liposomal Drug Delivery System' on 17-Dec-19.

Invited lecture on Future Skills for Success by Dr.B.Selvaraj, Associate Professor, Department of Psychology, Government Arts College on 07.09.2019.

Functional FDP & Hands on Training on 'ICT Enabled Teaching', 20.01.2020 by Dr. R. Rajeshkanna, Professor and Head & Mr. R. Anjith Raja, Assistant Professor, Department of IT, Dr. NGPASC, Coimbatore.



In house lecture on Evaluation of Blood cells by Dr.C.Hemalatha, Assistant Professor, Department of CLT, Dr.NGPASC

FACULTY DEVELOPMENT PROGRAMME ON



'Data Management and Statistical Analysis Using SPSS', 27.01.2020

OUTREACH ACTIVITIES

- International Yoga Day Celebration, 21-Jun-19, Dr.N.G.P ASC Premises.
- Awareness camp on 'Leptospirosis', 19-Jul-19 Periyathadagam.
- Health Camp for Housekeeping Staffs, 20-Jul-19, Dr.N.G.P ASC Premises.
- Awareness on Hepatitis (World Hepatitis Day 2019), 28-Jul-19, Periyathadagam.

AWARD OF Ph.D.

- Suryakala.P.C, and Kavitha.P was awarded with Ph.D degree under the guidance of Dr.N.Kannikaparameswari.
- Mohanasundari.L is awarded with Ph.D degree under the guidance of Dr.S.Suja.
- Kavitha.P is awarded with Ph.D degree under the guidance of Dr. C. Sowmia

STAFF RECOGNITION

Dr.S.Gowri, Professor and Head in Biochemistry served as a resource person at Nehru Arts and Science College, Coimbatore and delivered a talk on 'Natural Immunity Booster' on 13.05.2020.

Dr.C.Venkatesan, Associate Professor in Biochemistry and Dr.K.Rajathi, Professor in Biochemistry was awarded as best mentor, Dr.N.Kannikaparameswari, Professor in Biochemistry was awarded as Best faculty for the academic year 2019-20.

STAFF PARTICIPATION

Dr.S.Gowri participated in the A two day state level workshop on Intellectual Property Rights(IPR) organised by IPR cell & IQAC, PSG College of Arts and Science on 28- Jan -20 & 29- Jan -20 and Webinar on Human origin, health and disease organised by Centre for advanced studies in botany, University of madras on 23.05.2020.

Dr.V.Usha participated in the Workshop on 'Rural Immersion –Community Engagement' organised by Mahatma Gandhi National Council of Rural Education in association with NSS unit Dr.N.G.P Arts and Science College on 21-Sep-19 and IIC Online Sessions, Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi during 28.04.2020 - 22.05.2020.

Dr.N.Kannikaparameswari participated in the Workshop on Chemical Analysis in FTIR & AAS organised by Department of Chemistry, Kongunadu Arts and Science College on 14-Feb-20 and International Webinar Lead with Emotional Intelligence during COVID-19 organised by Department of Computer Science(SF), Nallamuthu Gounder Mahalingam College, Pollachi on 09.05.2020.

Dr.T.Indhumathi and Dr.K.Rajathi participated in the Workshop on Applied Bioinformatics-Techniques, Tools and Tasks organised by Department of Marine Biotechnology, School of Marine Sciences, Bharathidasan University, Tiruchirapalli on 18-Feb-20 & 19-Feb-20 and ARPIT Course for Career Advancement Scheme(CAS) promotion Refresher Course on Teacher and Teaching in Higher Education organised by Savithribai Phule Pune University on 16.02.2020.

Dr.D. Pradeepa participated in the Webinar on Bacterial Virulence: Perceptive and Pragmatic approach" organised by Department of Microbiology, Indian Academy Degree College-Autonomous, Bangalore, India on 08.05.2020 and Workshop on Chemical Analysis in FTIR & AAS organised by Department of Chemistry, Kongunadu Arts and Science College on 14-Feb-20.

Dr.DhanaRangesh Kumar V participated in the FDP on "Enhancing in Higher Education through Assesment and Accreditation" organised by IQAC, Sree Narayana Guru College in association with IQAC, KRISTU Jayanti College, Bengaluru on 06-MAY-20 to 08 -MAY-20 and Webinar on Bacterial Virulence: Perceptive and Pragmatic approach" organised by Department of Microbiology, Indian Academy Degree College-Autonomous, Bangalore, India on 08.05.2020

Dr. S. Kathiravan participated in the BIRAC Sensitization Workshop on Grant Writing, Intellectual Property and Technology Management in Life Sciences organised by BITS Pilani K K Birla Goa Campus on 14-Feb-20 to 15-Feb-20 and International Webinar Disruptions of COVID-19 and response measures: role of cooperatives in developing countries organised by Sri Ramakrishna Mission Vidyalyaya College of Arts and Science, Coimbatore on 28.05.2020.



ALUMNI INTERACTION

Mr.Prakasam.V (Alumni), Quality Control Executive, Care Now Medicals Pvt Ltd, Coimbatore conducted Hands on Training -Basic Microbial Culture Techniques in Quality Control Management on 14th December 2019.

STUDENTS ACHIEVEMENTS

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 BC students Janani and Jeeverathanam Got 3rd Prize in Short film (Organic Farming) Making Competition conducted by PSGR Krishnammal College of For Women on 29.01.2020



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 13 batches of students since inception.

ACTIVITIES OF THE DEPARTMENT

ENDOWMENT LECTURE

Khorana Endowment Lecture on “Organometallics and Chiral Reagents to Electricity Harvesting Organic Electrochemical Cells” was delivered by Dr.M.Periasamy, Emeritus Professor University of Hyderabad on 07.03.2020



NATIONAL CONFERENCE

The National Conference on Futuristic approaches in Transformation of Bioscience research was conducted on March 6-7 2020.



Dr. V. Sudarshana Deepa, Associate Professor, Department of Biotechnology National Institute of Technology addressed the students on “Nanobiotranslational Research – A Review on its Scope” on 06.03.2020.

GUEST LECTURES



The guest lecture was delivered by Dr. N. Saranya Nithyanandhan, Assistant Professor, Department of Biotechnology, Vivekananda Arts and Science College for Women, Salem on the topic “Cancer Stem Cell Markers” on 01.02.2020.

The guest lecture was delivered by Dr. S. Balachander, Managing Director & Embryologist, Hitech Fertility Centre, Coimbatore on the topic “Diagnostic Applications in Clinical Embryology” on 26.06.2019.

Invited lecture on “Scope for Higher Studies Abroad for Clinical Lab Technicians” was delivered Dr. V. Usha Assistant Professor Department of Biochemistry Dr.N.G.P.Arts and Science College, Coimbatore on 07.12.2019.



Invited Lecture on “Microbes in Human Welfare” given by Dr. N. Vidhya, Professor, Department of Microbiology, Dr.N.G.P.Arts and Science College on 01.02.2020



Dr. Radha Palaniswamy, Asst. Professor, Department of Biotechnology, Dr.N.G.P.Arts and Science College, Coimbatore delivered a invited lecture on "Genetic Disorders & Diagnosis" on 23.03.2019.

In house lecture on "Medical Record Management Ms.S. Arthi Assistant Professor Department of Hospital Administration Dr.N.G.P.Arts and Science College, Coimbatore on 29.01.2020



Health camp for public of Periya Thadagam Periya Thadagam on 26.07. 2019. Impact of Life style modification for public of on Obesity on 08.02.2020.



AWARENESS PROGRAM

School Children Periya Thadagam on 26.07. 2019.

WORLD CANCERDAY

World Cancer Day Awareness program on 4.2.2020



Self-Monitoring of Blood Glucose Level for public of Kalapatti on 25.02.2020



World Cancer Day interdepartemtal competetion on 4.2.2020

ALUMNI INTERACTION

Mr.M.Rajmohan CEO, Aram Clinical Laboratory, WeDockers exports and imports We group of companies, Coimbatore interacted with the students on the scope and placement in clinical laboratory on 22.06.2019.



EXTENSION ACTIVITIES

HEALTH CAMP

Alumni Interaction by Ms. Shobana Ramasamy (Batch – 2016, Department of CLT), Trainee, IAS Academy, Coimbatore addressed the student on Career guidance in cometetive exam on 13.09.2019.





STAFF ACHIEVEMENTS

Dr. M.Thiruselvi participated in National Level Faculty development program on Entrepreneurship:Pathfinder of National Development from 14.10.19 to 25.10.19 at Avinashilingam Institute for Home science and Higher Education for women.

Dr. K. Anbalagan attended the National Level Workshop on Intellectual Property Rights on 10.10.2019 at PSGR Krishnammal College for Women, Coimbatore. 14.10.19-25.10.19. Dr.C.Hemalatha and Dr.K.Anbalagan participated and presented FDP on Teaching & Learning Enhancement at Dr. N.G.P.Arts & Science College, Coimbatore.

Dr.C.Hemalatha got the Best Teacher and Best Mentor Award . Mrs.S.Kokil, Dr.C.Hemalatha, Dr.M.Thiruselvi, S. Sasikala and Dr.K.Anbalagan participated in Quality measures in Higher Education at Dr.NGP. Arts and Science College, Coimbatore to 3.03.12.19 to 09.12.19. Mrs.S.Kokila, Dr.C.Hemalatha, Dr.M.Thiruselvi, S. Sasikala and Dr.K.Anbalagan participated in NAAC Revised Accreditation Framework and OBE assessment methodology at Dr.NGP Arts and Science, Coimbatore from 27.05.19 to 02.05.19.

STUDENTS ACHIEVEMENTS

Ponrithika K and Gowtham K of II B.Sc CLT won the Third Prize for Facial painting competition held at SNMV College of Arts and Science on 27.02.2020.

Meena and Vijayalakshmi won the Second Prize for KGFiesta competition held at KG College of Arts and Science Inter Collegiate.

Maria Clarine A Esther A won the Second prize for 1 minute Video competition conducted by Womens' Forum Dr N.G.P Arts and Science College.





ABOUT THE 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. M. Rajkumar, Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore delivered a guest lecture entitled "Microbe mediated mitigation of multiple environmental stress in plants" on 22.06.2019.

Dr. S.S. Sudha, Programme Co ordinator, DBT STAR College Scheme, Dr. N.G.P. Arts and Science College, Coimbatore delivered guest lecture in the topic entitled "In house Lecture on "Benefits of DBT STAR College Scheme" on 22.06.2019.



Dr. Geetha .N, Associate Professor, Faculty of Science and Technology in Biotechnology, University of Mysore, Mysore presented a guest lecture in the topic "Nanobiotechnology – Prospects and Applications" on 27.06.2019.

Dr. Natarajan Velmurugan, Scientist – CSIR-NEIST & DST INSPIRE, Branch Laboratory, Itanagar, Arunachal Pradesh delivered a lecture entitled "Development of Biotechnological Processing with microalgae and plant using flow cytometry and next generation sequencing approaches" on 05.07.19.

Dr. S. Sathyamoorthy, Senior Researcher and Consultant, Insilicogen, Inc. Yongion, Gyeonggi-do, South Korea presented a guest lecture in the topic "Uses of Bioinformatics Tools" on 12.09.2019.

Mrs. N. Mangaleshwari Manjari, Assistant Professor in Psychology & Student Counsellor, KMCRET, Coimbatore presented a guest lecture in the topic "Promotion of Mental Health and Suicide Prevention" on 09.01.2020.

Guest Lecture on "Biomarkers" by Dr. V. Bharath Kumar, Assistant Professor, Department of Faculty of Applied Sciences, Ton Duc Thang University, Vietnam on 01.02.2020.



WORKSHOPS/CONFERENCE CONDUCTED



Hands on experience on Intricacies in Plant Tissue Culture by Dr. K. Kalimuthu, Assistant Professor, Department of Botany, Government Arts and Science College, Coimbatore sponsored by DBT Star Scheme on 28.06.2019.

Workshop on quantification of DNA from herbal leaves and animal tissues using nanophotometer by Dr.M.Shanmugavadivu & Dr.M.Poomgothai, Assistant Professors, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore sponsored by DBT Star Scheme on 01.07.2019.



DEPARTMENT ACTIVITIES

Workshop on Tools for Biologists in Bioinformatics and scientific writing workshop by Dr. Radha Palaniswamy, Assistant Professors, Department of Biotechnology, Dr.N.G.P. Arts and Science College, sponsored by DBT Star Scheme on 08.07.2019 and 01.02.2020 respectively.

Workshop on UV - Visible Spectrophotometer by Mr. S. Karthik, Assistant Professors, Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore sponsored by DBT Star Scheme on 05.07.2019.



Inauguration of National Conference MARINA'19 by Dr. C. Shankar, CEO / Vice President – Tamilnadu Integrated Waste Management Association, Chennai on 16.10.2019

In house lecture workshop on Computer aided drug designing, Workshop on Protein purification techniques and Cost Effective Mushroom Cultivation by Dr. M. Poongothai, Assistant Professor, Department of Biotechnology, Dr.N.G.P. Arts and Science College, sponsored by DBT Star Scheme on 13.07.2019, 29.08.19 and 03.02.2020 respectively.

In house workshop on Operations in MS Office by Mr. Rajakrishnan M, and Assistant Professor, Department of Commerce, Dr.N.G.P. Arts and Science College sponsored by DBT Star Scheme on 05.09.2019



National Science Graduate Research -2020 was organized and the chief guests were Dr. Basavaraj Madhusudhan, Professor, Davangere University, Karnataka, Mr. SriramPrasad. G CEO and Founder, Keeraikadai Ventures Pvt.Ltd and Dr. Durairaj Gnanaprakasam, Director – Technical and BD Cell Creep Biotech, Bangalore, sponsored by DBT-Star Scheme on 21.02.2020 & 22.02.2020.

Dr.K.Veluthambi, INSA Senior Scientist, MKU, Dr.E.M Shankar, Central University, Thiruvarur, Dr. R.Viswanathan, Director, SBI-ICAR were the chief guest of "National conference on Futuristic Approaches in Transformation of Bioscience Research" sponsored by DBT-Star Scheme on 06.03.2020 & 07.03.2020

International Day against drug abuse and illicit trafficking observed on 26.06.2019 and Medicinal Plant Exhibition was conducted on 22.07.2019 Principal, Dr. V. Rajendran inaugurated the event.

Alumni-Student Interaction on "Opportunities in Media" and "Essential Skills for BioScience Students in IT Sector" was conducted on 12.07.19 and 16.07.19 and the resource persons were Mr.V.Arun Sundar, Assistant Producer, Pudhiyathalaimurai, Chennai and Ms. J.Pavithra, Project Coordinator, Visionary RCM, Coimbatore.

Student Enhancement Program and Knowledge sharing program on Google Classroom & Kahoot was conducted by Dr. P. Chidambararajan, Head and Arun.P, Assistant Professor, Department of Biotechnology, Dr.N.G.P Arts and Science College on 12.07.2019 & 15.02.2020 respectively.

EXTENSION ACTIVITY

Awareness on water management and Breast cancer at Periya thadagam and B.Ed College, Dr. NGP group of Institutions was given by 65 and 63 students respectively on 07.09.19 and 25.07.2019.

Organic farming was demonstrated in Appanayakenpatti village with 66 students on 01.02.2020 respectively.

STUDENTS ACHIEVEMENTS



Bioquizz '19 (Inter Departmental Quiz Competition) conducted on August 14, 2019 where students from various departments participated.

B.Ravikumar K. Akileshwaran, I B.Sc Biotechnology, A.Lingeswar, S. Sandhiya, II M.Sc Biotechnology and Mohammed Suhaib Alhuq, M Surenthar.V, III B.Sc Biotechnology won II & III prize in Bio-Quiz conducted by Dr.N.G.P. Arts and Science College on 14.08.2019.

N. Kavya, M.Vignesh, II M.Sc Biotechnology won II prize in Professional Hunt-2K19- Presume Crush conducted by Dr.N.G.P. Arts and Science College on 25.07.2019.



Rose Day for the welfare of Cancer patients observed on 24.09.2019. B. Ravikumar, I B.Sc Biotechnology, V. Logeswaran, II M.Sc Biotechnology, E.T. Nagendran, I B.Sc Biotechnology won I, II, III prize in Slogan Writing – Rose Day conducted by Dr.N.G.P. Arts and Science College on 24.09.2019.



B. Ravikumar & V. Padmapriya, R. Abinaya, I B.Sc Biotechnology won I Prize in Interdepartmental Quiz and Poster presentation Conducted by Dr.N.G.P. Arts and Science College on 22 & 28.08.19 respectively.

G. Hariprasad, I B.Sc Biotechnology won I Prize on Build-up conducted by Dr.N.G.P. Arts and Science College on 04.09.2019.

Hariprasad.G, E.T. Nagendran, I B.Sc Biotechnology and G.Ragul, III B.Sc Biotechnology won I and II prize in Poster presentation-Rose day conducted by Dr.N.G.P. Arts and Science College on 24.09.2019.

V.Logeshwaran, II M.Sc Biotechnology won II Prize in Bio-idea conducted by Dr.N.G.P. Arts and Science College on 28.01.2020.

K.Sabarinath, S.Sandhya and V.Logeshwaran, K.Sabarinath, II M.Sc Biotechnology won II and I prize in Poster Presentation in 6th International Conference on "Bioscience towards a sustainable future" conducted by K.S.G College of Arts and Science, Coimbatore and Paper presentation in NSGR conducted by Dr.N.G.P. Arts and Science College on 12.02.2020 and 21.02.2020 to 22.02.2020 respectively.



Students explaining their model to Dean R & D – Dr. S. Balasubramanian at NSGR held on 21.02.2020 and 22.02.2020 at Dr. NGP Arts and Science College, Coimbatore.

FACULTY ACHIEVEMENTS:

DR. V. Shanmugaraju -University Nominee for BoS at RVS College of Arts and Science, Coimbatore. Published 2 papers in International journal. Two candidates has completed Ph.D under his guidance.

DR. P. Chidambararajan-Chairperson in National conference on Recent Innovations in Bioscience at Dr. RVS College of Arts and Science held on 18.09.2019. BoS member of Colleges affiliated to Periyar University on 12.02.2020. He presented a paper at National Conference on Empowerment of Rural Communities through Innovations in Science and Technology on 21.02.2020 and 22.02.2020 held at Kongunadu Arts and Science College. Published 5 papers in International journal and completed NPTEL online Course on "Introduction to Research". Awardee of TNSCST student project of Rs. 7,500/-

DR. Arun.P-received his Ph.D degree in Biotechnology from Bharathiar University in March 2020. Published 6 papers in International journals. Cleared the certificate course by NPTEL on "Introduction to Research". Attended the Two day technical workshop on IPR held at PSG College of Arts and Science, Coimbatore on 28.01.2020 and 29.01.2020.

DR. K. Arungandhi has published 3 research articles in reputed international journals. Completed NPTEL course on "Introduction to Research" in Dec-2019. Attended One day National Seminar on "Mushrooms – rise of Research and Retreats for Humanity" organized by TNAU, Coimbatore on 01.10.19.

DR. M.N. Kathiravan has published 2 research articles in national and international journals. He has attended a two day technical workshop in IPR held at PSG College of Arts and Science, Coimbatore on 28.01.2020 and 29.01.2020. He has delivered in house lecture at the Department of Biochemistry as a resource person on Research and innovations.

DR. M.Shanmugavadivu -received Ph.D degree in Biotechnology from Bharathiar University. Published 4 papers in International journal. Completed NPTEL online Course on "Introduction to Research". Attended One day National Seminar on "Mushrooms – rise of Research and Retreats for Humanity" organized by TNAU, Coimbatore on 30.09.2019.

DR .M.Poongothai -presented a paper on Bioplastics from Biowaste in KSG College of Arts and Science, Coimbatore on 12.02.2020 in the international conference on Bioscience towards a sustainable future National Conference on Environment and Bioscience at Avinashilingam University, Coimbatore on 20.02.2020 and 21.02.2020. On 10.02.2020. she was invited as resource person to Karpagam Institute for Higher Education to deliver a talk. Published 2 papers in reputed National and International journal respectively. Attended One Day National workshop on "Production Technology on Mushroom" organized by TNAU, Coimbatore on 01.10.19.

DR. Radha Palaniswamy has published 4 papers in International journals. She has delivered an invited talk in Kannapiran Mills, Coimbatore on 08.02.2020 Srinivasa mills, Then Tirupathi, on 19.02.20. Completed NPTEL course on Introduction to Research. Passed UGC NET exam in 2019. Attended One day National Seminar on "Mushrooms – rise of Research and Retreats for Humanity" organized by TNAU, Coimbatore on 30.09.2019 & workshop on X-ray Crystallography organized by Avinashilingam Deemed University, on 11.02.2020.

Dr. S Karthik – Ph.D degree was awarded by Anna University. Published 3 papers in national and international journals. Presented paper at Sri Ramakrishna College of Arts and Science, Coimbatore and at Selvam College of Technology, Namakkal on Sixth International Conference on "Engineering and Technology". Awardee of Sri Nalla Gounder Research and Innovation Award for best thesis.





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 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



Dr. M. Rajkumar, Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore delivered a guest lecture entitled "Microbe mediated mitigation of multiple environmental stress in plants" on 22.06.2019.

Dr. S.S. Sudha, Programme Co ordinator, DBT STAR College Scheme, Dr. N.G.P. Arts and Science College, Coimbatore delivered guest lecture in the topic entitled "In house Lecture on "Benefits of DBT STAR College Scheme" on 22.06.2019.



Dr. Geetha .N, Assistant Professor, Department of Studies in Biotechnology, University of Mysore, Mysore presented a guest lecture in the topic "Nanobiotechnology – Prospects and Applications" on 27.06.2019.

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Dr. S. Sathyamoorthy, Senior Researcher and Consultant, Insilicogen, Inc. Yongion, Gyeongii-do, South Korea presented a guest lecture in the topic "Uses of Bioinformatics Tools" on 12.09.2019.

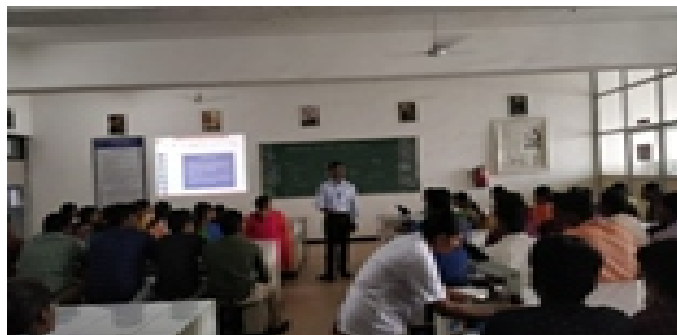
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Guest Lecture on "Biomarkers" by Dr. V. Bharath Kumar, Assistant Professor, Department of Faculty of Applied Sciences, Ton Duc Thang University, Vietnam on 01.02.2020.



ACTIVITIES OF THE DEPARTMENT

Invited Lectures and Workshops



The Microbiology Department conducted an Invited Lecture cum Alumni Student Interaction under DBT Star College Scheme on "Protein Based Diagnostics and its Application in Plant virus Diagnosis" and "My Career after NGP" by Dr. N. Vijayakanth, Research Associate, ICAR – National Research Institute for Banana, Trichy on 25th January 2020.

The Microbiology Department conducted a Workshop on "Chromatographic Techniques" under DBT Star College Scheme on 1st February 2020. Dr. J. Devakumar, Assistant Professor was the resource person.

The Department of Microbiology and Information Technology jointly organized DBT SERB Sponsored National Seminar on "Computing Platforms for Biological Big Data Analytics" on 5th and 6th February 2020 at NGP Conference Center.



The Department of Microbiology organized an Invited Lecture under DBT Star College Scheme on "Teeny Folks: Friends of Foes?!!" By Dr. A. K. Lakshmi Priya, Dentist on 15th February 2020 at Seminar Hall VI.

In collaboration with the Department of Biotechnology a Training camp on "Emergency Care (First Aid) and CPR exercise" was organized at the N.G.P. IT East Seminar Hall on 21st of June 2019. Mr. R. Karthikeyan, District Co-ordinator and Mr. Vananmayilan, State Trainer, Ekam Foundation, Coimbatore, addressed the gathering.



Awareness programme on "Food Safety and Personal Hygiene to Road Side Food Vendors" was organized by the department on 25th July 2019. All the students belonging to the III B. Sc., Microbiology along with Dr. A. M. Ramachandran, Assistant Professor in Microbiology, and Dr. J. Devakumar, Assistant Professor in Microbiology, took part in the extension activity



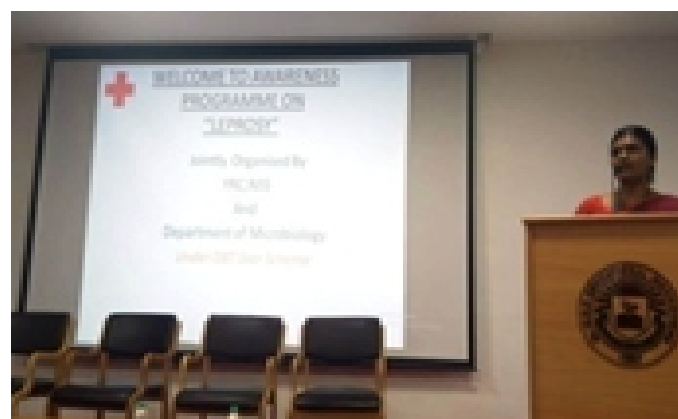
The World Nature Conservation Day was celebrated every year on 28th July 2019. The Department organized an Inter and Intra departmental poster presentation & lecture programme. Dr. B. Anandkumar, Scientist, Indira Gandhi Centre for Atomic Research, Kalpakkam, Chennai, was the Resource Person, who addressed the gathering on the topic "Biofilms and its control – with Molecular Biology and Bioinformatics Tools" followed by a session on "Bioconservation" by Dr. R. Mahenthiran, Assistant Professor, Department of Microbiology, on 27th July 2019 at West Seminar Hall, IT Building, Dr. N.G.P. Arts and Science College.



The observance of "Organ Donation day" was organized by the Department at the Kamar Arangam, on 13th August 2019. Interdepartmental Competitions including Drawing, Slogan Writing, Drama, and Short film making were organized.



The department organized a two days hands on training programme on "Streaking and Isolation of Bacteria" for the students of Biochemistry department at the Microbiology laboratory, on 13th and 14th August 2019. Around 60 students from the department took part and got benefitted from the event. Mr. S. Senthil Prabhu, Assistant Professor in Microbiology, and Dr. J. Devakumar, Assistant Professor in Microbiology were the Resource Persons.



A one day workshop on "Culture Preservation Technique" was organized by the department under the Star College Scheme at the Microbiology Laboratory on 17th August 2019. Mr. S. Senthil Prabhu, Assistant Professor in Microbiology, was the Resource Person. All the students of the Department of Microbiology took part in the event and got benefitted.





The department in association with the Department of Information Technology organized a one day knowledge exchange programme at the Seminar Hall 7 and Computer & Microbiology labs on 28th August 2019. The event was inaugurated by the Principal followed by lecture sessions by the staff members of the department.



A one day workshop on “Culture Preservation Technique” was organized by the department under the Star College Scheme at the Microbiology Laboratory on 17th August 2019. Mr. S. Senthil Prabhu, Assistant Professor in Microbiology, was the Resource Person. All the students of the Department of Microbiology took part in the event and got benefited.

The department in association with the Department of Catering Science and Hotel Management organized a one day knowledge exchange programme on “Microbiological study and Role of micro organisms in Fermentation” at Microbiology Lab and Catering Science Lab on 12th March 2020 under DBT Star College Scheme.



The Department of Microbiology conducted an Awareness Programme under DBT Star College Scheme on “ Oral Health: A Glimpse of our Overall Health” By Dr. A. K. Lakshmi Priya, Dentist on 15th February 2020 at Seminar Hall VI. The programme was organized exclusively for students and Lab assistants. An Awareness Programme was organized by the Department of Microbiology on “Corona Virus (Covid-19)” at College campus on 17th February 2020. Followed by Quiz on “Corona Virus” was conducted among the students of Biosciences



The department organized a one day hands on training for the students of Biotechnology and I UG Microbiology at the Department on 17th August 2019. The sessions on different instruments were handled by Dr. J. Renga Ramanujam, Head, Department of Microbiology, and Mr. S. Senthil Prabhu, Assistant Professor, Department of Microbiology followed by Hands on training for the students at the instrumentation laboratory. Around 50 students benefitted from the event.



National Science Day was celebrated on 27th February 2020. The department organized various events to the Government school students.

INDUSTRIAL VISITS



An Industrial Visit was arranged for the students to Senthil Papain and Food Products Limited Students were brought to National Science and Technology Fair 2019 at CODISSIA on 30th August 2019.



An Industrial visit to National Facility for Marine Cyanobacteria, National Repository of Freshwater Microalgae and Cyanobacteria, and Department of Microbiology, & Central Instrumentation Facility, Bharathidasan University on 30th August 2019



An Industrial Visit was arranged for the students to Technology Business Incubator, Tamil Nadu Agricultural University, Coimbatore on 4th September 2019.



The department of Microbiology organized an Industrial Visit to Coimbatore Book Festival, CODISSIA on 24th July 2019 for the staff and students.

STUDENT ACHIEVEMENTS

Ms. M. Mynumathi of II M.Sc., Microbiology received Best Student Project Award from Dr. Kalam Educational Trust, Chennai on 15th October 2019.

Ms. Praveena of II M.Sc., Microbiology has received fund from TNSCST under the student project scheme for the academic year 2019-20.



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

HANDS ON TRAINING ON FRUITS AND VEGETABLE PRESERVATION

Hands on training on Fruits and Vegetable Preservation under DBT Star College Scheme has been given to III B.Sc., Food Science and Nutrition students for five days (17/06/2019 – 21/06/2019). This training was given by Mr. ManojJebakumar, Demonstration Officer, Ministry Of Women And Child Development, Food & Nutrition Board, Madurai.



Students preparing products with the guidance of Mr. ManojJebakumar



STUDENTS RECEIVED CERTIFICATES

Guest Lecture on Quality Assurance Requirements in Food as per FSSAI & Awareness on the FSSAI Licensing & Initiatives

The guest lecture on FSSAI Licensing and Initiatives was organized on 5th July 2019 for the III B.Sc. Food Science and Nutrition and II M.Sc. Food and Nutrition students. The chief guest Mr.Sugathan S Nair addressed the gathering on Quality assurance requirements in food as per FSSAI.



STUDENT'S INTERACTION WITH THE GUEST

NATIONAL NUTRITION MONTH CELEBRATION '2019 FOOD EXHIBITION

The guest lecture on FSSAI Licensing and Initiatives was organized on 5th July 2019 for the III B.Sc. Food Science and Nutrition and II M.Sc. Food and Nutrition students. The chief guest Mr.Sugathan S Nair addressed the gathering on Quality assurance requirements in food as per FSSAI.



World Food Day Celebration '2019-Rangoli Competition

Department of Food Science & Nutrition students were participated in rangoli competition based on the theme "Our Actions are our Future" organized by the Department of Food Science and Nutrition. The best rangoli was appreciated and given prizes.



RANGOLI DRAWN BY OUR STUDENTS

HANDS ON TRAINING ON ICE CREAM AND PASTA MAKING

Department of Food Science & Nutrition students were participated in rangoli competition based on the theme "Our Actions are our Future" organized by the Department of Food Science and Nutrition. The best rangoli was appreciated and given prizes.



KNOWLEDGE EXCHANGE PROGRAMME

On 18th & 19th February 2020, Department of Food Science & Nutrition students participated in enumeration of bacteria, yeast and mold in the Department of Microbiology in exchange of that our department students have demonstrated the incorporation of millets in pasta and preparation of ice cream to microbiology students.



KNOWLEDGE EXCHANGE PROGRAMME ON MILLET PASTA AND ICE CREAM
DODDABETTA TEA FACTORY, OOTY- 15.02.2020

BREAST FEEDING WEEK CELEBRATION

The breast feeding week celebration was started in advance on 26th of July by taking an oath (Empower parents- Enable breast feeding now and for the future).



Oath taking at Dr.N.G.P Arts and Science College

Education was given to the lactating mothers at Primary Health Center Peelamedu. The beneficiaries were about 50 prenatal and postnatal mothers.



Primary Health care center, Peelamedu



STUDENTS DEMONSTRATING THE ICE CREAM AND PASTA MAKING
INDUSTRIAL VISITS

Department of Food Science & Nutrition students along with faculties have visited various industries and institutions during their academic year.



SAKTI SUGARS, POLLACHI-18.07.2019



Kodai Cheese, Kodaikanal 06.09.2019



CFTR, Mysore 18.02.2019



EDUCATION

On 1st August 2019, Department of Food Science and Nutrition alongwith the Integrated Child Development Scheme (ICDS) organized an awareness program to prenatal and post-natal mothers at kaikolampalayam.

GUEST LECTURE

Guest lecture on Prevalence of anaemia and PCOD Symptoms in women, Nutritional problems and complications during prenatal and post-natal period was organized on 1st August 2019.



Dr.MeenakshiPriya, Gyneacologist from Nova Fertility Center, Coimbatore

RALLY

On 6th August 2019, a rally was conducted from Women's Polytechnic College to VOC Park, Coimbatore. The rally was flagged by our Principal Dr. V.Rajendran. About 400 students along with faculty members participated in the rally with placards and slogans promoting breast feeding.



Rally flagged off by our Principal Dr. V.Rajendran

Guest lecture on Prevalence of anaemia and PCOD Symptoms in women, Nutritional problems and complications during prenatal and post-natal period was organized on 1st August 2019.

EDUCATION AT GOVERNMENT HOSPITAL

The Department organized an "Awareness Program on Significance of Breast Feeding", at Government Hospital on 5th August 2019. The pamphlet and booklet (Galactagogue foods) was released on this special occasion.



GOVERNMENT HOSPITAL, COIMBATORE

AWARENESS PROGRAMME

Department of Food Science and Nutrition organized Awareness Program on 12th February 2020. Education was given to the N.G.P School students, Coimbatore



N.G.P School, Coimbatore

NATIONAL SCIENCE DAY COMPETITION

On 27th February 2020, Department of Food Science & Nutrition conducted quiz competition for Government school students, Tirupur.



Conducting Quiz competition to Government school students

NUTRITIONAL ASSESSMENT FOR TRANSGENDER

Department of Food science and Nutrition conducted Nutritional Assessment for Transgender, Coimbatore on 8th February 2020.



Kovundampalayam, Coimbatore



STAFF ACHIEVEMENTS

Dr.S.UmaMaheswari, Assistant Professor received cash prize of Rs.1000/- for Recipe contest for Tuberculosis organized by ICMR-NIRT.

Dr. S.Daniel Robert, Professor, received Best Senior Faculty Award from Novel Research Academy

Ms.R.Shivani, Assistant Professor cleared National Eligibility Test on June, 2019

Ms.P.Kanneshwari and Ms.P.Ashwini, Assistant Professor attended the training programme in Value added products from moringa and mushroom on 11th & 12th, February 2020 & Ms.R.Shivani and Ms.C.Abinaya, Assistant Professor attended the training programme in Value added products in Spices and pickles on 18th & 19th, February 2020 at Department of Post Harvest Technology, TNAU, Coimbatore

STUDENT'S ACHIEVEMENTS

Parvathy M of III B.Sc. received the Merit cum Means Scholarship (Rs. 20,000) for UG students of Food Science & Nutrition by PFNDAI

Arthi.C of II B.Sc. won 1st prize in Kuralumnaanum at PSGR Krishnammal, Coimbatore

Parvathy M of III B.Sc. won 2nd prize in solo singing at CIT, Coimbatore

Clareen Cecily and Anusha Varghese of I B.Sc. received 1st prize in face painting contest conducted by Women's Forum.





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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