

FACULTY TRAINING/ DEVELOPMENT PROGRAMME ORGANIZED UNDER STAR COLLEGE SCHEME

2019--2024

S. No.	Date	Name of the Course	Course Code	Title of the Programme	Organised by	Resource Persons	Topic	Beneficiaries
1.	18.07.2019 - 20.07.2019	Biostatistics and Biological Techniques	15UBOE51	Biostatistics and Bioinformatics	Botany and Zoology	Dr. K. Kishore	SPSS package	35
						Assistant Professor of Commerce		
						Voorhees College		
						Vellore.		
						Dr. Gopinath Krishnasamy	Bioinformatics	
						Post-Doctoral Researcher of Chemical Engineering,		
						Konkuk University,		
Republic of Korea.								

2	20.08.2019 -- 22.08.2019	Biotechnology	18UBCC51	Basic techniques in molecular biology	Zoology and Botany	Dr. S. Karutha Pandian	DNA based molecular diagnostic techniques	41	
						Senoir Professor and Head of Biotechnology, Alagappa University, Karaikudi.			
						Dr. Jasmine M. Shah			Isolation of plasmid from <i>E. coli</i>
						Assistant Professor of Plant Science, Central University of Kerala, Kasaragod.			
						Dr. R. SriPriya	Restriction digestion of plasmid DNA		
						Assistant Professor of Zoology, St. Mary's College (Autonomous), Thoothukudi.			
						Dr. H. Abdul Jaffar Ali			DNA bar coding as a molecular tool for species identification
						Assistant Professor of Biotechnology, Islamiah College, Vaniyambadi.			

3	12.12.2019	Agricultural Chemistry and Water Management	18UCHS31	Soil analysis	Chemistry	Dr. S. Jothimani	Soil analysis	9
						Professor,		
						Agricultural College and Research Institute,		
						Killikulam.		
Mr. T.S.R. Murthy	Soil analysis							
Senior Research Fellow of Soil Science,								
Nagarjuna Agrochemicals Pvt. Ltd.,								
Hyderabad.								
4	02.01.2020 04.01.2020	Pharmacognosy	18UBOI52	Natural product research	Botany and Zoology	Dr. Aneesh Nair	Software for drug designing and docking	30
						Scientist and Head of Operations,		
						Biozone Research Technologies Pvt. Ltd.,		
						Chennai.		

4	02.01.2020 - 04.01.2020	Pharmacogno sy	18UBOI52	Natural product research	Botany and Zoology	Mr. Shanmuga Sundaram	Extraction of bioactive compounds from natural products	30
						Senior Researcher,		
						Biozone Research Technologies Pvt. Ltd.,		
						Chennai.		
						Ms. Chandralekha	Extraction of bioactive compounds from natural products	
						Junior Researcher,		
						Biozone Research Technologies Pvt. Ltd.,		
Chennai								
5	07.01.2020	Renewable Energy Sources	18UPHI51	Solar Cell Instrument - Training	Physics	Mr. G. Rajaganesan	Relationship between the access to energy through renewable energy base systems	15
						Director-Technical Operation,		
						VAITO Energy India Pvt. Ltd.,		
						Chennai.		

6	06.05.2021 -- 11.05.2021	Biostatistics and Biological Techniques	18UZOC62	Computational Bology	Zoology and Botany	Dr. K. Sujatha	Effective usage of <i>in silico</i> tools in experimental research	85
						Assistant Professor of Zoology,		
						Lady Doak College,		
						Madurai.		
						Dr. A. Mahalakshmi	Computational biology - An overview and introduction to databases	
						Assistant Professor of Zoology,		
						Lady Doak College,		
						Madurai.		
						Dr. A. Mahalakshmi	Current trends and application of bioinformatics in life science research	
						Assistant Professor of Zoology,		
						Lady Doak College,		
						Madurai		
Dr. A. Mahalakshmi	Database similarity search							
Assistant Professor of Zoology,								
Lady Doak College,								
Madurai.								
Dr. Babylakshmi Mthusamy	Computational approaches for microbial diagnostics							
Research Scientist,								
Institute of Bioinformatics								
Bangalore.								

6	06.05.2021 -- 11.05.2021	Biostatistics and Biological Techniques	18UZOC62	Computational biology	Zoology and Botany	Dr. A. Mahalakshmi	Multiple sequence alignment and phylogenetic analysis	85
						Assistant Professor of Zoology,		
						Lady Doak College, Madurai.		
						Dr. D. Ilakkiam	Whole genome sequencing – assembly and annotation of microbial genomes	
						Assistant Professor of Biotechnology, Mother Teresa Women's University, Kodaikanal.		
						Dr. A. Mahalakshmi	An introduction to protein sequences and modeling	
						Assistant Professor of Zoology, Lady Doak College, Madurai.		
						Dr. J. Sridhar	High-through put data analysis using bioinformatics tools	
						Assistant Professor and Head i/c of Biotechnology, Madurai Kamaraj University, Madurai.		

6	06.05.2021 -- 11.05.2021	Biostatistics and Biological Techniques	18UZOC62	Computational biology	Zoology and Botany	Dr. A. Mahalakshmi Assistant Professor of Zoology, Lady Doak College, Madurai.	Molecular docking	85
7	26.05.2021 -- 31.05.2021	Computer for Digital Era and Soft Skills	18UCSB51	Graphics design	Botany, Chemistry, Physics and Zoology	Dr. A. Vimal Jerald Assistant Professor of Computer Science, St. Joseph's College, Tiruchirappalli. Dr. A. Vimal Jerald Assistant Professor of Computer Science, St. Joseph's College, Tiruchirappalli. Dr. A. Vimal Jerald Assistant Professor of Computer Science, St. Joseph's College, Tiruchirappalli. Dr. A. Vimal Jerald Assistant Professor of Computer Science, St. Joseph's College, Tiruchirappalli.	Photoshop tools and background setting Business card and identity card design Invitation design and flyer design Certificate design and linking data set	457

7	26.05.2021 -- 31.05.2021	Computer for Digital Era and Soft Skills	18UCSB51	Graphics design	Botany, Chemistry, Physics and Zoology	Dr. A. Vimal Jerald	Certificate design	
						Assistant Professor of Computer Science,		
						St. Joseph's College,		
						Tiruchirappalli.		
						Dr. A. Vimal Jerald	Book cover design and valediction	
						Assistant Professor of Computer Science,		
						St. Joseph's College,		
						Tiruchirappalli.		
8	21.06.2021 -- 25.06.2021	Inorganic Chemsitry II	18UCHC61	Nuances in chemistry teaching	Chemistry	Dr. P. Sami	Solid state	180
						Associate Professor of Chemistry,		
						V.H.N. Senthilkumara Nadar College (Autonomous), Virudhunagar.		
						Dr. P. Sami		
						Associate Professor of Chemistry,		
						V.H.N. Senthilkumara Nadar College (Autonomous),		
						Virudhunagar.		

8	21.06.2021 -- 25.06.2021	Inorganic Chemistry II	18UCHC61	Nuances in chemistry teaching	Chemistry	Dr. K. Muruga Poopathi Raja	Biomolecules - Part I	180
						Assistant Professor of Physical Chemistry, Madurai Kamaraj University, Madurai.		
						Dr. K. Muruga Poopathi Raja	Biomolecules - Part II	
Assistant Professor of Physical Chemistry, Madurai Kamaraj University, Madurai.								
						Dr. S. Jemima Balaselvi Juliana	Coordination chemistry	
						Associate Professor of Chemistry, The American College, Madurai.		

9	12.07.2021 - 17.07.2021	Advanced Physics	21UPHC64	Advance topics in physics	Physics	Dr. N. Ponpandian	Magnetic materials	175
						Professor & Head of Nanoscience and Technology,		
						Bharathiar University, Coimbatore.		
						Dr. K. Thenmozhi	Electrochemical and optical sensors	
						Assistant Professor (Senior) of Chemistry,		
						Vellore Institute of Technology (VIT), Vellore.		
						Dr. R. Nagalakshmi	f-electron magnetism	
						Associate Professor of Physics,		
						National Institute of Technology,		
						Tiruchirappalli.		
						Dr.M.Balasubramaniam	Heavy charged particle accompanied fission of heavy and super heavy nuclei	
						Professor of Physics,		
Bharathiar University,								
Coimbatore.								

9	12.07.2021 - 17.07.2021	Advanced Physics	21UPHC64	Advance topics in physics	Physics	Dr. M. Balaji	Semi-conductor devices	175
						Researcher of Applied Physics,		
						KTH-Royal Institute of Technology Stockholm, Sweden		
						Dr. G. Gnanakumar	High performance fuel cells	
						Professor & Head of Physical Chemistry,		
						Madurai Kamaraj University, Madurai.		
						Dr. P. Vengadesh	Solid-state sensors for biomolecules	
						Professor of Physics,		
						University of Malaya, Malaysia.		

10	19.07.2021 - 24.07.2021	Biotechnology	18UBCC51	Biotechnology for 21 st century	Botany	Dr. P. Gopal	New approaches for the detection and characterisation of circular RNAs	120
						Assistant Professor of Plant Biotechnology,		
						Madurai Kamaraj University, Madurai.		
						Dr. Jibu Thomas	Expectations and innovations through biotechnological interventions	
						Head & Associate Professor of Biotechnology,		
						Karunya Institute of Technology and Sciences,		
						Coimbatore.	Targeted genome editing platforms and applications in plants	
						Dr. Ginny Antony		
						Assistant Professor of Plant Sciences,		
						Central University of Kerala, Kerala	Interdependence of biochemistry and biotechnology as revealed by omics	
Dr. S. Madhavan								
Professor Emeritus of Biochemistry,								
University of Nebraska- Lincoln, USA								

10	19.07.2021 - 24.07.2021	Biotechnology	18UBCC51	Biotechnology for 21st century	Botany	Dr. Jasmine M. Shah Assistant Professor of Plant Sciences, Central University of Kerala, Kerala.	Epigenetics: opportunity and challenges in crop breeding	120
						Dr. Ashokkumar Veeramuthu Research Professor of Chemical Technology, Chulalongkorn University, Thailand.	Recent advances in microbial biotechnology	
11	23.11.2021 -- 27.11.2021	Material Science	21UPCC51	Nanomaterials	Physics	Dr. P. Gopinath	Difference between nanoscience and nanotechnology	338
						Head of Centre of Nanotechnology,		
						Indian Institute of Technology, Uttarakhand.		
						Dr. P. Mosae Selvakumar	Palmyra culture: An insight into the role of Asian Palmyra palm in Nanoscience and Nano technology	
Assistant Professor,								
Asian university of Women, Bangladesh								

11	23.11.2021 -- 27.11.2021	Material Science	21UPCC51	Nanomaterials	Physics	Dr. S. Senthil Velan	Nanomaterials and its industrial Applications	338
						Associate Professor of Chemistry,		
						Annamalai University, Chidambaram.		
						Dr. Israel VMN Enoch	UV-Vis Spectroscopy of Nanomaterials	
					Professor &Technology Head of Centre for Nanoscience and Genomics, Karunya Institute of Technology and Sciences, Coimbatore.			
						Dr. P. Dinesh R Rotake	Micro - Nano fabrication techniques and its application in sensors	
					Research Associate of Electrical Engineering, Indian Institute of Technology, Hyderabad.			

11	23.11.2021 -- 27.11.2021	Material Science	21UPCC51	Nanomaterials	Physics	Dr. G. Gnanakumar Head of the department of Physical Chemistry Madurai Kamaraj University Madurai	Validictory speech	338
12	31.01.2022 -- 05.02.2022	Material Science	21UPCCS1	Exploring New frontiers in chemical and biological sciences	Chemistry	Dr. Desigan Kumaran Structural Biologist, Brookhaven National Laboratory, USA.	A new Structural Paradigm in Heme Binding Proteins	330
						Dr. Suguna Perumal International Research Professor of Chemical Engineering, Yeungnam University, South Korea.	Hydrogels for multiple heavy metal adsorption	

12	31.01.2022 -- 05.02.2022	Material Science	21UPCCS1	Exploring New frontiers in chemical and biological sciences	Chemistry	Dr. P. Yuvaraj Senior Scientist, CSIR- North East Institute of Science & Technology Branch Laboratory, Manipur.	Synthesis of biologically active small molecules using sustainable C-H activation approach and their medicinal applications	330
						Dr. P. Pon Sathiesh Kumar Senior Post Doc. Researcher, Institute of Basic Science, POSTECH, South Korea.	Gene delivery- challenges, advancement and applications	
						Dr. Parthiban Marimuthu Institute of Organic Bio Hospitals, New Delhi.	Fundamentals of oxygen biochemistry with special reference to body immunity	

12	31.01.2022 -- 05.02.2022	Material Science	21UPCCS1	Exploring New frontiers in chemical and biological sciences	Chemistry	Dr. Kathiresan V. Sathasivam Senior Associate Professor of Biotechnology, (Former Registrar) AIMST University, Malaysia.	Conversion of waste into wealth research to commercializati on	330
13	18.02.2022 -- 23.02.2022	Advanced Physics	18UPHI61	Smart Materials for New Technology	Physics	Dr. K. R. Jayappriyan Assistant Professor, Centre for Advanced Studies in Botany, University of Madras, Chennai.	Nanotechnology	121
						Mr. Velmurugan N Ramachandra VP of Engineering, AMP Med Tech, Massachusetts, USA	Sensing Technologies in Medical Diagnostic Applications	

13	18.02.2022 -- 23.02.2022	Advanced Physics	18UPHI61	Smart Materials for New Technology	Physics	Dr. Delhi Babu Prabhu Scientist-D, Centre for Automotive Energy Materials, International Advanced Research Centre for Powder Metallurgy and New materials, IITM Research Park, Chennai.	Origin of magnetism, magnetic materials	121
						Dr. Jitendra Satija Associate Professor of Centre for Nano biotechnology, Vellore Institute of Technology, Vellore.	Nanomaterials for optical biosensor: an insight into fiber optic sensors	
						Dr. K.R. Ravi Associate Professor of Metallurgical Materials Engineering, Indian Institute of Technology, Jodhpur.	Wettability studies	

13	18.02.2022 -- 23.02.2022	Advanced Physics	18UPHI61	Smart Materials for New Technology	Physics	Dr. T. Prakash Assistant Professor, National Centre for Nanoscience and Nanotechnology, University of Madras, Chennai.		121
14	21.02.2022 -- 25.02.2022	Biotechnolog y	21UBCC51	Intellectual Property Rights	Botany	Dr. M. Sakthivel Assistant Professor, Guru Gobind Singh Indraprastha University, New Delhi.	Introduction to IPR- National & International Perspective	140
						Dr. Deepa Registered Patent Agent, Chennai.	Introduction to Patent System and Filling Procedure	
						Mr. A. K. Rajaraman Advocate, High Court of Madras, Chennai.	Trademarks & Geographical Indications	

14	21.02.2022 -- 25.02.2022	Biotechnology	21UBCC51	Intellectual Property Rights	Botany	Dr. P. R. L. Rajavenkatesan Associate Professor & HoD, VIT School of Law, VIT, Chennai.	Copyright	140
						Dr. Narendran Thiruthy Assistant Professor, Rajiv Gandhi School of Intellectual Property Law, Indian Institute of Technology, Kharagpur.	Biodiversity & traditional knowledge	
15	14.03.2022 -- 18.03.2022	Biotechnology	21UBCC51	Biotechnological Innovations in Health Care	Zoology	Dr. Gowri Priya Chidambaram Scientist of Immunology and Stem Cell Biology, Aravind Medical Research Foundation. Madurai	Stem cell therapy for ocular surface reconstruction	77

15	14.03.2022 -- 18.03.2022	Biotechnology	21UBCC51	Biotechnological Innovations in Health Care	Zoology	Dr. J. Nallathambi Senior Scientist, Molecular Signalling and Gene Therapy, GROW Laboratory, Narayana Nethralaya Foundation, Narayana Health City, Bangalore.	Molecular diagnostic methods and its applications in hereditary eye diseases	77
						Ms. Hemalakshmi Project Manager from Gulf International Cancer Centre, Abu Dhabi.	We perceive what we conceive - Biotechnology in health care	
						Dr. Kousalya Nathan Anti-aging consultant, Apollo hospitals.	Healthy aging	
						Dr. James Premdoss Clement Associate Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Overview of autism spectrum disorder using syngap1 heterozygous mutant mouse model	

16	01.09.2022 -- 05.09.2022	Biotechnology	21UZCC51	Biotechnology today and tomorrow: innovations and implications	Zoology & Botany	Dr. M. Bavanilatha Associate Professor of Biotechnology Sathyabama Institute of Science and Technology Chennai.	Biotechnological innovations in controlling diseases	47
						Dr. Umamaheswari Professor of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli.	Earthworms in biotechnology	
						Dr M. Kirupa Sankar Assistant Professor (Selection Grade) of Biotechnology, Bannari Amman Institute of Technology, Erode.	Role of biotechnology in addressing future energy demand and creating circular sustainable bioeconomy	
						Dr. Karthika Pushparaj Assistant professor of Zoology Institute for Home Science and Higher Education for Women, Coimbatore	Rationale of interdisciplinary sciences-tangible cues	

16	01.09.2022 -- 05.09.2022	Biotechnology	21UZCC51	Biotechnology today and tomorrow: innovations and implications	Zoology & Botany	Dr. S. Sudhakar Professor of Biotechnology, Manonmaniam Sundaranar University Tirunelveli.	Mechanism of ageing	47
17	08.02.2023 -- 10.02.2023	Biotechnology	21UZCC51	Techniques in Genome Biology	Zoology & Botany	Dr. T. Jebasingh Assistant Professor of Plant Sciences, Madurai Kamaraj University, Madurai.	Identification and screening of plant viral genome	12
						Dr. Sujatha Kabilan Assistant Professor, Lady Doak College, Madurai.	Molecular characterization of microbial genome	
						Dr. M. Jayalakshmi Department of Immunology, Madurai Kamaraj University, Madurai.	Isolation and quantification of Human Genome DNA	

18	13.02.2023 -- 15.02.2023	Medicinal chemistry	21UCHS41	Molecular Modelling and Dynamics	Chemistry, Botany & Zoology	Dr. Murali Krishnan Assistant Professor of Chemistry, Bannari Amman Institute of Technology, Erode.	Molecular modelling	16
19	14.02.2024 -- 16.02.2024	Biotechnolog y	21UBCC51	Exploring Biotechnology: Innovative Applications and Advancements	Zoology, Botany and Microbiology	Dr. S. Kalidas Associate Professor of Animal Science, Manonmaniam Sundaranar University, Tirunelveli <hr/> Dr. K. Murugan Professor of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli.	Bio-prospecting Gulf of Mannar marine microbes for human therapeutics Bionanoemulsio n: vehicle for exploring synergistic phytochemicals and healthy life	27

19	14.02.2024 -- 16.02.2024	Biotechnology	21UBCC51	Exploring Biotechnology: Innovative Applications and Advancements	Zoology, Botany and Microbiology	Dr. Ramasamy Subbiah	Chemicals and diabetes inextricably linked: Tox- point research enters a new Era?	27
						Professor and Head of Biochemistry,		
						Madurai Kamaraj University,		
						Madurai.	<i>In silico</i> approach for characterization of gene and its expression studies	
						Dr. D. Illakkiam		
						Assistant Professor of Biotechnology,		
						Mother Teresa Women's University,		
Kodaikanal.								
20	27.08.2024 -- 29.08.2024	Medicinal chemistry	21UCHS41	<i>In silico</i> Modelling approach for Pharmaceutical Sciences	Chemistry & Botany	Dr. T. S. Gnanendra, Head of Biotechnology, Vivekanandha College of Arts and Sciences for Women, Namakkal.	Use of computational tools in drug discovery modellig and simulations	21