

Name	Dr. G. Flora
Qualification	M.Sc., M. Phil., Ph.D.
Designation	Assistant Professor
Year of Joining	18.01.2010 (Management) 01.08.2014 (Aided)
Specialization	Bionanotechnology, Bioremediation,
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Seminars/Workshops/FDP/ Conferences

Title of the Workshop/ Seminar/ FDP	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
National Seminar on Farming and Floral Foot Prints – Tracing Interwoven Historical and Botanical Heritage	National	Participated		Department of Botany in association with Department of History, St. Mary's College (Autonomous), Thoothukudi	27.03.2024
Glimpse on Open Education Resources (OER) in conjunction with tutorial on Zotero: A reference management tool		Participated		Library Committee, St. Mary's College (Autonomous), Thoothukudi	20.03.2024
National symposium on farmer-manufacturer's meet: vision for import to export strategy (FMMVIES-2024)	National	Presented	A comprehensive review on accumulation of hazardous plastic additives in medicinal plants	Center of medicinal plants research in Homeopathy, Ooty, The Nilgiris	26.02.2024 to 27.02.2024

Bridge 2023 - Madurai (A High Impact Industry-Institute Interaction Event of India)	National	Participated		ICT Academy	30.09.2023
International Conference on the Urgency of Sustainable Development: A Bio-Psychosocial Perspective	International	Presented	The efficacy of bacteria on degradation of disposable safety gloves contamination	Department of Psychology, Anugraha Institute of Social Sciences	03.02.2023 & 04.02.2023
International Seminar on Plant Response to Climate Change	International	Presented	The efficacy of <i>Aspergillus niger</i> on degradation of microplastics isolated from freshwater bodies around Thoothukudi	Department of Botany & Research Centre, Scott Christian College (Autonomous), Nagercoil	08.12.2022 & 09.12.2022
Wonderful World of oceans: Emerging Trends and Implications	International	participated		Department of Zoology, St. Mary's College (Autonomous)	12/02/2020
International Conference on Climate Change: Adaptation and Mitigation	International	Presented	Safe Biodegradation of Textile Azo Dyes by Fungi Isolated from Petroleum Contaminated Soil in Varthaga Reddi Patti, Thoothukudi, Tamil Nadu	Finishing School Cell, St. Thomas' College (Autonomous), Thrissur, Kerala, India	08.01.2020 - 10.01.2020
Training Programme on Identification of Marine Flora with Special Reference to Commercially Important		Participated		Central Marine Fisheries Research Institute (CMFRI), Thoothukudi	23.12.2019 to 28.12.2019

Seaweeds					
National Seminar on Innovaons in Plant Science Soil Health And Agriculture	National	Presented	Synthesis of Silver Nanoparticles by Using Fruit Extracts: Characterizati on of the Particles and Study of Antibacterial Activity	Lady doak college, madurai	12/12/2019
Seminar on Biodiversity and Climate Change	International	Presented		Department of Botany and Research Centre in Scott Christian College, Nagercoil, Tamil Nadu	05.12.2019 & 06.12.2019
A TwodayTraining Programme on Bacterial Isolation, Identification and Biofilm Formation		Participated		Centre for Bioscience Nanoscience Research (CBNR), Coimbatore	27.11.2019 to 28.11.2019
Basic Biotechnology Techniques				Department of Biotechnology, Karunya University	13/04/2018
Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09/12/2017
International Conference on Pharmaceutical, medical & Environmental	International	Presented	Biosynthesis and Characterizati on of silver nanoparticles	IRF Conference association with IRAJ Research forum, Bangalore	4-08-2017 to 5-08- 2017

health sciences (ICPharME-2017)			using aqueous extract of brown algae and their effect on beneficial soil microbes		
E-waste Hazards and Management	State	Participated	-	St. Mary's College (Autonomous), Thoothukudi	9 -03- 2017
International Seminar on Biology for sustainable Environment	International	Presented	Isolation and screening of Azo dye decolorizing bacterial isolates from shrimp shell contaminated soil in thoothukudi coast	Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirapalli	7-03 2017 to 8 -03 2017
STEM Teacher Training Workshop on Research – Based Pedagogical Tools	National	Participated	-	Indian Institute of Science Education and Research, Pune	26-02-2017 1-03- 2017
National Conference on Cosmic concerns: An Interdisciplinary Dialogue in Applied Ethics		Participated			27 &28 - 01- 2017
International conference on Advances in Nanomaterials and Nanotechnology	International	Presented	Green synthesis and characterization of silver nanoparticles using aqueous extract of <i>Hypnea musciformis</i> and their effect on growth of beneficial	Centre for nanoscience and nanotechnology, Jamia Milia Islamia, New Delhi	4.11.16 to 5.11.2016

			microbes and earthworms		
International Conference on Advances in Algal Biotechnology	International	Presented	Green Synthesis and Characterization of silver nanoparticles using aqueous extract of Gracilaria corticata and their effect on growth of beneficial soil microbes and earthworms. 2. Effect of Ulva lactuca and Padina tetrastrumatic a concentrate on Growth and yield of Momordica charantia”	University, Vellore, Tamil Nadu	10 to 12 – 08- 2016
Training programme of Direct Benefit Transfer (DBT) Scheme -Plan Scheme Monitoring System(CPSMS)	National	Participated	-	Matha Sundari College, New Delhi	13 -07- 2016
Training on Animal Cell Culture and MTT Assay	State	Participated	-	Centre for Bioscience and Nanoscience Research, Eachnari, Coimbatore	2&3 06- 2016
Training on Nanotechnology	State	Participated	-	Centre for Bioscience and Nanoscience Research, Eachnari, Coimbatore	20 to 21-05 2016
Capacity Building	State	Participated	-	St. Mary’s College	11 to 16 - 04-2016

Workshop on E-content Development				(Autonomous), Thoothukudi	
National Seminar on Multi Disciplinary Research	National	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	20-02-2016
National Seminar on Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National	Presented	Analysis of the Advantages and Disadvantages of Multimedia Teaching in Colleges	IQAC, St. Mary's College (Autonomous), Thoothukudi	7 to 8 – 01-2016.
National workshop on Basic statistics using SPSS and Excel (BASSE-2016)	National	Participated	-	Sadakathullah Appa College (Autonomous) Palayamkottai	5to 6 -01-2016
INUP Hands- on Training Workshop on “PDMS Microfluids and Micro and Nano Characterization Techniques”	International	Participated	-	Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore	19 to 27 - 11-2015
International Conference on Reasserting Microbial Biotechnology to Deflate Global Disease Burden- RMBT' 15	International	Participated	-	Department of Biotechnolog, Manonmaniam Sundaranar University, Tirunelveli	28 to 29- 09-2015
National seminar on Bioinformatics,	National	Participated	-	Department of Bioinformatics, School of Life Sciences, Bharathidasan	28 to 29- 01- 2015

				University, Trichy	
Funded projects: Winning Strategies for preparing proposal and impressive presentation	National	Participated	-	Manonmaniam Sundaranar University, Tirunelveli	19 to 21 - 11- 2014
Institutional Quality Improvement : Role of Information and Communication Technology	-	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	31-01-2014 & 1-02-2014
Short Film Making Workshop	-	Participated	-	Don Bosco Media	16 to 20 - 12-2013
Faculty Improvement Programme	-	Participated	-	AIACHE in Kodaikkanal	20 to 21- 11-2013
Workshop on Bioinformatics	-	Participated	-	St. John's College, Palayamkoti,	13 to 14 - 12- 2012
Seminar on E-resources- A must in today's scholarly world		Participated	-	St. Mary's College (Autonomous), Thoothukudi,	19-10-2012
Conference on Maritime Activities of the Portugese in India with Special Reference to the Pearl Fishery Coast	International	Participated	-	Pearl Research Centre for Historuy, Cultre and Tourism, Department of History, St. Mary's College, Thoothukudi	13to 15- 07- 2011
Seminar on Nature & Biodiversity conservation (nabico 2011)	National	Participated	-	Sadakathullah Appa College, Tirunelveli	31-01- 2011

Workshop on Effective Classroom communication and teaching skills for college teachers	National	Participated	-	Christ University, Bangalore,	11to 12 - 05- 2011
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Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Cutting-edge advances in alga Botryococcus for eco-friendly biofuels and high-value bioproducts — A critical review	Veeramuthu Ashokkumar, G. Flora , Gopalakrishnan Kumar. Wei-Hsin Chen, Grzegorz Piechota , Chyi-How Lay, Vinoth Kumar Ponnusamy, Chawalit Ngamcharussrivichai	Algal Research	2024	83		103676
Recent advances in remediation strategies for mitigating the impacts of emerging pollutants in water and ensuring environmental sustainability	Kalilur Rahman Peer Muhamed Noorani, G Flora , S Surendarnath, G Mary Stephy, Kassian TT Amesho, Chingakham Chinglenthoba, Nooruddin Thajuddin	Journal of Environmental Management	2024	351		119674
Biochemical engineering for elemental sulfur from flue gases through multi-enzymatic based approaches—A review	Mukesh Kumar Awasthi, Ayodeji Amobonye, Prashant Bhagwat, Veeramuthu Ashokkumar, Sarath C Gowd, Andrei Mikhailovich Dregulo, Karthik Rajendran, G Flora , Vinay Kumar, Santhosh Pillai, Zengqiang Zhang, Raveendran Sindhu, Mohammad J	Science of the total environment	2024			169857

	Taherzadeh					
Biofuels an alternative to traditional fossil fuels: A comprehensive review	Lubhan Cherwoo, Ishika Gupta, G Flora , Ritu Verma, Muskaan Kapil, Shailendra Kumar Arya, Balasubramani Ravindran, Kuan Shiong Khoo, Shashi Kant Bhatia, Soon Woong Chang, Chawalit Ngamcharussrivichai, Veeramuthu Ashokkumar	Sustainable Energy Technologies and Assessments	2023	60		103503
Assessing the bioactive potential of low-cost textile dyes extracted from brown seaweeds and their dyeing properties	Flora Gnanadhas , Surendarnath Sundaramoorthy, Sowndharya Natarajan, Mary Stephy Gnanamanickam, Kassian TT Amesho, Bhisham Sharma	Environmental Science and Pollution Research	2023	30	60	125165 - 125175
6. Case Studies of Diatom Biorefinery	G Flora , G Mary Stephy, Ashokkumar Veeramuthu	Diatoms Biotechnology	2023			
Effect of System of Rice Intensification Practices in Increasing the Yield of Traditional Varieties of Rice	Flora, G. Jennifer and Rajendra n, K. and Kumar, K. Udaya and Sharmili, K. and Pramitha, J. Lydia	International Journal of Environment and Climate Change	2023	13	8	1175-1180
Current research trends on cosmetic microplastic pollution and its impacts on the ecosystem: A review	Yuwen Zhou, Veeramuthu Ashokkumar, Ayodeji Amobonye, Gargi Bhattacharjee, Ranjna Sirohi, Vijai Singh, G Flora , Vinay Kumar, Santhosh Pillai, Zengqiang Zhang, Mukesh Kumar Awasthi	Environmental Pollution	2023			121106
Technological advances in the production of carotenoids and their	Veeramuthu Ashokkumar, G Flora , Murugan Sevanan, R Sripriya,	Bioresource Technology	2022			128215

applications–A
critical review

WH Chen, Jeong
Hoon Park,
Gopalakrishna Kumar

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Advanced technologies on the sustainable approaches for conversion of organic waste to valuable bioproducts: Emerging circular bioeconomy perspective	Ashokkumar V, G. Flora , Venkatkarthick R, SenthilKannan K, Kuppam C, Mary Stephy G, Kamyab H, Chen WH, Thomas J, Ngamcharussrivichai C	Fuel	2022	324		124313
Chapter 7 - Biomedical and Electronic Tune-Ups of 2C4NA Nanocrystalline Sample	J. Maalmarugan, A. Egbert Selwin Rose, P. Anbarasan, R. Poorani, N. Aarthi, H. Ganesan, K. Senthil Kannan, G. Flora	Wiley Online Library	2022			131-143
Chapter 8 - Biological, Electronic-Filter, Influx and Theoretical Practicalities of 2-Chloro-6-Nitroaniline (2C6NA) Crystals for Biomedical and Microelectronics Tasks	B. Maria Sumathi, J. Maalmarugan, H. Ganesan, P. Saravanan, R.P. Patel, M. Sheeba, G. Flora , K. Senthil Kannan	Wiley Online Library	2022			145-155
Chapter 9 - Antidiabetic, Anti-Oxidant, Computational, Filter, and Tribological Characterizations of Bis Glycine Lithium Bromide Monohydrate Nano (32 nm) Scaled Crystals	F. Dayana Lobo, K. Senthil Kannan, V. Mathivanan, A. Jacintha Tamil Malar, S. Christy, G. Flora , H. Ganesan, J. Maalmarugan	Wiley Online Library	2022			157-168
Chapter 10 - Device Utility, Energy, and Bioutilility of N2MNM4MBH Macro, Nano Models	S. Pauline Jenifer, G. Flora , C. Zozimus Divya Lobo, A. Charles, K. Senthil Kannan, D. Anbuvel, V. Prajith, Jemma Hermelin Jesy Diaz	Wiley Online Library	2022			169-181

Chapter 11 - Biocurative, Tribological, Electro- Functionalities of ZnO-MIZN Nanoparticles	K. Senthil Kannan, Prabhjeet Kaur Dhillon, Jemma Hermelin Jesy Diaz, P. Padmavathi, G. Flora , S. Irudhya Sahaya Lancy, G. Jeeva Rani Thangam, M. Sheeba	Wiley Online Library	2022			183- 194
Chapter 12 - Nanotubular Device Effect, Super Cell Effectiveness, Hirshfeld Energy Analysis and Biomedical Efficacy of 2-Fluoro- 5-Nitro-Aniline (2F5NA) Crystals	G. Flora , A. Munikumari, M. Sheeba, Jemma Hermelin Jesy Diaz, K. Senthil Kannan, T. Ponrathy, M. Muthu Sheeba, B. Joshua Steve Abishek	Wiley Online Library	2022			195- 212
Chapter 13 - Nano, Peptide Link, Pharma Impact and Electron Density of AMPHB Macro, Nano Crystalline Samples	K. Senthil Kannan, F. Dayana Lobo, A. Gayathri, K. Prathebha, A. Jacintha Tamil Malar, B. Maria Sumathi, G. Flora , A. Egbert Selwin Rose	Wiley Online Library	2022			213- 225
Chapter 14 - Super Lattice, Computational Interactions and Bio- Uses of CPDMDP Crystals	G. Flora , S. Christy, V. Shobana, R. Divya, Jemma Hermelin Jesy Diaz, S. Pauline Jenifer, K. Senthil Kannan, A. Jacintha Tamil Malar	Wiley Online Library	2022			227- 242
Chapter 15 - Biological Effect Nanotubular, Vanderwall's Impact, of 4-Methyl-2- Nitroaniline (4M2NA) Nanocrystals	K. Senthil Kannan, S. Pauline Jenifer, R. Divya, K. Raju, A. Gayathri, Jemma Hermelin Jesy Diaz, B. Maria Sumathi, G. Flora	Wiley Online Library	2022			243- 256
Chapter 16 - Biomedical, Tribological, and Electronic Functionalities of Silver Nanoparticles	G. Flora , H. Ganesan, J. Maalmarugan, A. Egbert Selwin Rose, F. Dayana Lobo, R. Divya, K. Senthil	Wiley Online Library	2022			257- 265

	Kannan, M. Sheeba					
Anti-inflammatory (AI) and crystalline hardness characterisations of 4-(4-chlorophenyl)-7,7-dimethyl-7,8-dihydro-4h-1-benzopyran-2,5(3h,6h)-dione-(CPDMDHHPHH D) – Comparative analysis of macro and nano scales crystals	G Flora , K Senthilkannan, M Kolanjinathan, JK Mongiya	Materials Today: Proceedings	2020	33		3578-3582
Anti-diabetic (AD) activities of ZnO doped with Ce (7 at%) nano particles (NP)	K Senthil Kannan, Malarkodi Velraj, G Flora , K Ilaiyaraja, S Kohila	Materials Today: Proceedings	2020	33		3053-3055
Anti diabetic (AD) studies of picolinium maleate nano crystals	K Senthil Kannan, S Gayathri Devi, Prithiviraj Nagarajan, G Flora , R Ranadevan	Materials Today: Proceedings	2020	33		3005-3007
Synthesis, growth, XRD, NLO, CHNSO, computational structural, dielectric, photoconductivity, hardness and biostudies of diethyl 2-amino-5-{4-[bis(4-methyl phenyl)amino] benzamido} thiophene-3,4-dicarboxylate (DABMPABTD) macro-, nano crystals fro device fabrication, pharma, electronic uses	H. Ganesan, K. SenthilKannan, S. Christy, J. Maalmarugan, G. Flora , Juliet Josephine Joy, M. Gulam Mohamed, R.P.Patel, S. Gunadekaran, B. Vijayalakshmi & K. Muruganathan	Journal of Materials Science: Materials in Electronics	2021	32		15498-15508
Synthesis, growth, XRD, NLO,	J. Maalmarugan, V. Yokeswaran, R.	Journal of Materials	2021	32		13850-13858

CHNSO, structure by theoretical approach, dielectric, absorbance, photoconductivity and bio studies of 4-(4-Acetyl-5-Methyl-1H-1,2,3-Triazol-1-yl) Benzonitrile crystals for optical, opto-electronic and photonics utilities	Divya, H. Ganesan, R.P. Patel, G. Flora , K. SenthilKannan, K. Murugananthan, B. Vijayalakshmi, M. Hari sumithkumar, J. Janci Arockia Rani & M.Meena	Science: Materials in Electronics				
Growth, characterizations, and the structural elucidation of diethyl-2-(3-oxoiso-1,3-dihydrobenzofuran-1-ylidene)malonate crystalline specimen for dielectric and electronic filters, thermal, optical, mechanical, and biomedical applications using conventional experimental and theoretical practices	Rajkumar M, Maalmarugan J, Flora G. et al.,	Journal of Materials Science: Materials in Electronics	2021	32		22822-22839
Extraction of Silver Nanoparticles (Ag-NPs) by green synthesis from aqueous extract of seaweeds and their consequences on HeLa cell line and their utility on soil by spectroscopic tools	K. SenthilKannan G. Flora S. Gunasekaran H. Abdul Jaffar Ali M. Vimalan S. Balasubramanian	Environmental and Microbial Biotechnology	2021	32		13850-13858
Isolation and screening of Azo dye decolorizing bacterial isolates from shrimp shell contaminated soil in thoothukudi coast	G. Anusiya, G. Flora & P. Solaieswari	International Journal for Research in Applied Science & Engineering Technology	2017	5	7	1351-1354

		(IJRASET)				
Synthesis of silver nanoparticles using red algae, characterization and effect on beneficial soil microbes.	G. Flora & Murugammal	Asian Journal of Biological and Life Scienses	2017	6	1	313-320
Effect of <i>Ulva lactuca</i> and <i>Padina tetrastromatica</i> concentrate on Growth and yield of <i>Lablab purpureus</i> L.	G. Flora & Vishnupriya	Asian Journal of Biological and Life Scienses	2017	6	1	321-328
Effect of <i>Ulva lactuca</i> and <i>Padina tetrastromatica</i> concentrate on Growth and yield of <i>Momordica charantia</i> .	G. Flora & Vishnupriya	Seaweed research and utilization	2016	38	2	118-124
Green Synthesis and Characterization of siver nanoparticles using aqueous extract of <i>Gracilaria corticata</i> and their effect on growth of beneficial soil microbes and earthworms.	G. Flora & Murugammal	Seaweed research and utilization	2016	38	2	35-42
Effect of <i>Padina pavonia</i> on soil fertility and biochemical profile of <i>Vigna unguiculata</i> under induced lead stress.	G. Flora, M. Mary Josephine	<i>Seaweed Res. Utilin.,</i>	2013	35	1&2	129
<i>Ulothrix flacca</i> concentrate as an alternative source to control early leaf spot disease in groundnut.	G. Flora and S. Maria Victorial Rani	Marian quest	2013	2	1	66-74
Study On Antioxidant Potential Of Different Parts Of <i>Martynia</i>	G. Flora, M. Mary Josephine,	International Journal of Development Research	2013	3	9	051-054

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Webinars and Online FDP Programmes attended

Date	Name of the Institution	Topics
10 th May to 15 th May 2021	Swarnandhra College of Engineering & Technology (Autonomous), Kakinada	Online short term training programme – Emerging trends in nanomaterials for electronic and optoelectronic devices
26 th April to 1 st May 2021	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur	National level FDP – Research Methodology
19 th to 21 st April 2021	Chettinad College of Engineering & Technology	International eWorkshop on Science and Technology of emerging materials (Estem-21)
19 th April 2021	GH Rasoni University	International webinar – Liver Health on occasion of World Liver Day
18 th to 24 th February 2021	Teaching Learning Centre, Ramanujan College, University of Delhi	FDP – Academic Writing
3 rd – 9 th August 2020	Karpagam Academy of Higher Education, Coimbatore	National level faculty development programme – Innovation in Biotechnology as life saving perspectives
2 nd to 17 th July 2020	Teaching Learning Centre, Ramanujan College, University of Delhi	FDP- Advanced concepts for developing MOOCS
2 nd July 2020	Idhaya College for Women, Kumakonam	National webinar - Recent trends in Medical Microbiology
1 st July 2020	Guru Nanak College, Chennai	Webinar - Monsters on Me
30 th June 2020	Chaitanaya, Warangal, Telegana	International webinar - Emerging Trends in Genetic Engineering
28 th June 2020	SMT. Kasturbai Walchand College, Sangli	National Webinar - Recent advances in Bioscience
24 th June 2020	KLE Society's Science and Commerce College, Navi Mumbai	National Webinar - Research Initiatives at Graduate and Post Graduate Level
22 nd June 2020	Annaalai University	Webinar - Basic Author workshop Research article writing & Reference Management using mendley
20 th June 2020	Dayananda Sagar University, Bengaluru	International webinar - COVID-19 -Reinventing Sustainable Agriculture to achieve food Security
18 th - 19 th June 2020	University College for Women, Hyderabad	National webinar - 2 days - Tools to manage health and boost immune system during COVID-19 crisis
18 th June 2020	Sathyabama Institute of Science and Technology, Chennai	Webinar -Transactional Analysis for Effective Teaching
17 th June 2020	Department of Education and Education Technology, School of Social Sciences, University	One Day Workshop on Online Teaching with MOODLE

	of Hyderabad	
15 th - 17 th June 2020	V.O.Chidambaram College, Thoothukudi	FDP- Research Capacity Building
13 th - 14 th June 2020	Chebrolu Hanumaiah Institute of of Pharmaceutical Science, Guntur	Webinar - Specialised knowledge on Parenterals and Pharma Industry Perspectives
12 th - 13 th June 2020	Loyola College, Chennai	National Webinar - Research Methodology
8 th - 14 th June 2020	Ramanujan College, University of Delhi	FDP - One Week - Open Source Tools for Research
8 th - 12 th June 2020	IGNOU, New Delhi	FDP - 5 days - Energy Conservation and Renewable Energy
8 th - 11 th June 2020	Sree Ayyappa College for Women, Kanyakumari Dist	National Webinar - Resurgence of the Society in the post COVID-19 scenario
2 nd - 6 th June 2020	Universal Teachers Academy, Puducherry	5 Day workshop for Teachers - Interactive & Creation of E-content etc.,
6 th June 2020	Sacred Heart College, Tirupattur	Webinar on Chemoinformatics
5 th June 2020	International Youth Society - Tuticorin Chapter	Online course - Time for Nature
4 th - 6 th June 2020	DR.MGR Educational & Research Institute, Chennai	National Webinar - 3 days - The Gateway of Learning Techniques
4 th - 5 th June 2020	Tamilnadu Open University, Chennai	National Level FDP - Open Educational Resources
1 st June 2020	Colombo Plan Staff College	Webinar - Developing Green Skills to produce Skilled workers for Sustainable Development
26 th May 2020	V.O.Chidambaram College, Thoothukudi	Webinar - Influence of Climate Change on Biodiversity Resources
22 nd - 23 rd May 2020	Annamalai University, Chidambaram	Webinar - Marine Diversity and Conservation
23rd May 2020	Annai College Arts & Science, Trichy	International Webinar - Synthesis of Biologically Active compounds based on Nitrogen Heterosystem
22nd May 2020	V.O.Chidambaram College, Thoothukudi	Webinar - An insight into NAAC-RAF
22nd May 2020	The American College, Madurai	Webinar - American College Chemistry Webinar Series-II
21st May 2020	Colombo Plan Staff College	Webinar on Entrepreneurship in TVET
20th to 24th May- 2020	JP College of Arts & Science, Ayikudy, Tenkasi	FDP on Teaching using ICT-Tools

20th May 2020	Loyola Institute of Frontier Energy (Life), Chennai	National Webinar - Taking Research Forward during the Pandemic
19th May 2020	Geetha Jeevan Arts & Science College, Thoothukudi	Online FOP on - Reducing Education Gamification
19th May 2020	Colombo Plan Staff College	Webinar - Soft Skills Development of TVET Graduates in the Age of IR 4.0
18th May 2020	Patrician College of Arts & Science, Chennai	Online FOP on - My Life My Pride My Career
17th May 2020	St. Mary's College (Autonomous), Thoothukudi	Webinar - Bioinformatics in Microbiome Research & Climate, Biomes and India
16th & 17th May-2020	Patrician College of Arts & Science, Chennai	Online FOP on - Project Proposals for funding agencies (UGC Stride & ICSSR impress) Preparation and Submission Protocol
16th May 2020	Foundation for Innovative Research in Science and Technology, Nagercoil	One day Online Workshop on Discovering and Learning Statistics using MS Excel
15th May 2020	Springer Nature	Online Workshop - Scientific Writing for Journals
14th to 24th May-2020	Universal Teachers Academy, Puducherry	Workshop on Introduction to Animation, Creation of Anitimated Objects and Characters, Creation of Interactive Animation and Evaluation
14th May 2020	Nirmala College for Women, coimbatore	Plant Molecular Biology in Space
14th May 2020	Lyallpur Khalsa College, Jalandhar	Essential oils and aroma Mission
11th May 2020	Colombo Plan Staff College	Digital Technology and E Based Learning in TVET
9th May to 14th May 2020	Jayaraj Annupackiam College for Women (Autonomous), Periyakulam	National Level Online Faculty Development Programme on "Effective Usage of ICT Tools for smart Teaching
6th May 2020	Colombo Plan Staff College	Redefining Learning Spaces - Changes Agent in Educational Ecosystem
5th May 2020	Indian Academy , Degree College (Autonomous)	Bacterial Virulence:Perceptive and Pragmatic approach
26-28th May 2020	UGC- HRDC, UOH	Three Day Online Workshop on Online Course Design, Development and Delivery
24th to 26th May-2020	Alagappa University, Karaikudi	Webinar series on Ecosystem Services and Management
23rd May 2020	V.O.Chidambaram College, Thoothukudi	Webinar in Application of Molecular Markers in Plant Systematics
23rd May 2020	St. Mary's College (Autonomous), Thoothukudi & Annamalai College of Education for Women, Thoothukudi	Webinar on Teacher Resilience: The Blueprint for Efficiency during Uncertainty

Orientation/ Induction Programme

Date	Name of the Institution	Title
3 rd March 2023 to 9 th March 2023	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu	Seven Days International Faculty Development Online Certificate Course on “Prokaryotes- An Overview (Phase I)”
2 nd November 2022 to 15 th November 2022	Human Resource Development Centre, Madurai Kamaraj University, Madurai	Refresher Course in Botany- Recent Development in Botanical Studies
14 th September to 13 th October 2021	Human Resource Development Centre, Madurai Kamaraj University, Madurai	Online Fifth Faculty Induction Programme
4 th June to 1 st July 2020	Teaching Learning Centre, Ramanujan College, University of Delhi	4 week Induction/orientation programme for “ Faculty in Colleges of Higher Education

As Resource Person

Name of the Institution	Invited As	Topic/Event	Date
St. Mary’s College (Autonomous) Thoothukudi	Resource person	The world of plants. Inservice training to the secondary grade science teachers of government schools in Thoothukudi district.	28.08.2017 – 01.09.2017

Books:

Reviewer of the Book titled “Prologue to Nanoscience and Nano technology and their relevances with applications” ISBN 978-1-79481-610-7.

Environmental and Microbial Biotechnology, Chapter 5, “Extraction of Silver Nanoparticles (Ag-NPs) by green synthesis from aqueous extract of seaweeds and their consequences on HeLa cell line and their utility on soil by spectroscopic tools” ISBN 978-981-15-9916-3.

Websites:

Google Site

<https://sites.google.com/view/drgflora/home?authuser=2>

YouTube Link

https://www.youtube.com/watch?v=pyESUR7kW_4&t=40s

<https://www.youtube.com/watch?v=Y0d8b2GoIlc&t=63s>

<https://youtu.be/jJgob6JgK6M>

GenBank Submission Links

www.ncbi.nlm.nih.gov/nuccore/MF574272
<https://www.ncbi.nlm.nih.gov/nuccore/MG132203>
<https://www.ncbi.nlm.nih.gov/nuccore/MG132202>

Online Courses

Coursera Courses Completed

- Industrial Biotechnology
- Introduction to Algae
- Drug Discovery
- Understanding Plants- Part 1- what a Plant knows
- Herbal Medicine
- Antimicrobial resistance – theory and methods
- Nanotechnology: A makers Course
- Integrative health and medicine
- Applied Environmental Microbiology
- Biomedical Nanotechnology
- Cell Biology
- Forests and their Management
- Legal and Regulatory Issues in Biotechnology
- Environmental Biotechnology, NPTEL-AICTE Faculty Development Programme

Program coordinated in national level:

One week online UGC-STC/FDP Innovations, skill & entrepreneurship development from 14.10.2023 to 20.10.2023.

UGC-Webinar (Online) on NEP 2020: Environment & Development solutions to plastic pollution on 06.10.2023.

UGC-Webinar (Online) on NEP 2020: AI & Machine Learning on 12.10.2023.

Patents filed:

S. No.	Application No.	Names	Title of Invention	Field of invention	Publication date	Published by
1.		G. Flora	Phycoremediation of non-phthalate pollution with zero waste generation			Vishwakarma Institute of Information Technology, Pune
2.	6323438	T.	An electronic		13.11.2023	UK

		Ramanathan, G. Flora, A.K. Rajalakshmi, Haseena Rafath, Ganapathy Vishnuram, Ramamurthy Purushothaman	automatic pharmacy filling and tablet capsule counting machine			Design
3.	202341072898	G. Flora, T. Ramanathan, C. Shibana, Irudaya Antonat Sophia, Joys Selva Mary Albert, A. Lakshmi, P. Subavathy	A method of preparation of titanium coated graphite-carbon nanotube (CNT) acrylonitrile-Butadiene-Styrene (ABS) nano composite for dye-removal	Polymer technology	15.12.2023	Ministry of Commerce & Industry, Govt. of India.
4.	202441006058	Veeramuthu Ashokkumar, G. Flora, C. Shibana, Irudaya Antonat Sophia, A. Lakshmi, J. Shoba, G. Mary Stephy, J. Rathinam	IOT based Biodiesel Processor	Computer science	09.02.2024	Ministry of Commerce & Industry, Govt. of India.

Others:

- Public relation Officer of St. Mary's College (2011-2017)
- Member in Marian Research Form (2013-2016)
- Editorial Board member in Journal of Review of Plant Studies in Pak Publishing Group since 2013
- Editorial Board member in A R Research Publication & Conference world 2013

- *Staphylococcus arlettae* Strain GFB 16S ribosomal RNA gene, partial sequence Natl Centre for Biotech Inf NCBI/GenBank, USA / Nucleotide sequence SUB2904350 seq1 MF574272
- *Aspergillus* 16S ribosomal RNA gene, partial sequence Natl Centre for Biotech Inf NCBI/GenBank, USA / Nucleotide sequence SUB3118601seq1 MG132203
- *Aspergillus* 16S ribosomal RNA gene, partial sequence Natl Centre for Biotech Inf NCBI/GenBank, USA / Nucleotide sequence SUB3118605 seq1 MG132202
- Member in Association of Global Academicians and Researchers (AGAR), Tamil Nadu, India from 26th July 2021.
- Presented the innovative work as the Keynote speaker for the patent in Vishwa Intellectual property Conclave 2023 organized by Vishwakarma Institute of Information Technology, Pune at 24th to 25th November 2023.

Awards:

- Received ‘Best Academician Award’ from International award ceremony on the birth anniversary of Bharat Rathna Dr. Sarvepalli Radha Krishnan, Sidvi Foundation on 23.09.2023.

Guideship: MSU/RES/INT/GUIDESHIP/R5/2017

- **Doctoral Committee Member** for Part time Ph.D. scholar Mrs. M. Shantha, Department of Botany, St. Mary’s College (Autonomous), Thoothukudi.
- **Supervisor** for Full time Ph.D. research scholar Ms. Mary Stephy G (Registration No. 21112212262010), Department of Botany, St. Mary’s College (Autonomous), Thoothukudi.
- **Doctoral Committee Member** for Full time Ph.D. scholar Ms. J. Rathinam, Department of Botany, St. Mary’s College (Autonomous), Thoothukudi.
- **Doctoral Committee Member** for Full time scholar Ms. J.N. Monisha, Department of Botany, St. Mary’s College (Autonomous), Thoothukudi.
- **Supervisor** for Part time Ph.D. research scholar Mrs. Shyni J (Registration No. 23122212262011), Department of Botany, St. Mary’s College (Autonomous), Thoothukudi.

Projects

- Project sanctioned for the topic entitled “Isolation and screening of Azo dye decolorizing fungal isolates from petroleum contaminated soil in Thoothukudi Coast” from Shreeman Diagno Plast India Pvt Ltd, Hyderabad– Completed (2017-18).

- Project sanctioned for the topic entitled “Isolation and screening of Azo dye decolorizing fungal isolates from Shrimp shell contaminated soil in Thoothukudi Coast” from Sasi innovations, Gandhi Nagar, Tirupur, Tamil Nadu– Completed (2017-18).
- Project sanctioned for the topic entitled “Bio-degradation of Micro Plastics by bacteria isolated from Thoothukudi coast” from Biotec Bags India Pvt Ltd, Guindy, Chennai – 600 032- Completed(2018-19)
- Project sanctioned for the topic entitled “Discover the Micro and Nano-plastics degrading Enzyme coding Gene from the selected Microbes of Plastic polluted Area” from Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai-600025 under Student Project Scheme 2021-2022. Code: BS-942 (Completed).
- Project sanctioned for the topic entitled “Bis (2-Ethylhexyl) Adipate Degradation via a Microalgal Approach - A Critical Necessity” from Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai-600025 under Student Project Scheme 2022-2023. Code: BS-0905 (Completed).