

Name : Dr.M.Shanmugavadivu
Designation : Associate Professor
Department : Biotechnology
Qualification : M.Sc., M.Phil., Ph.D., SET
Experience : Teaching : 14 .8 Years Industry : - Research : 7 Years
Area of Specialization(s) : Nanotechnology
Email (Official ID) : shanmugavadivu@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Biotechnology	Dr. N.G.P. Arts and Science College, Coimbatore	2019
M.Phil.	Biotechnology	Bharathidasan University, Trichy	2007
M.Sc.	Biotechnology	Kongunadu Arts and Science College, Coimbatore	2004
B.Sc.	Biochemistry	Vellalar College for Women, Erode	2002

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
SET	Life Science	Mother Teresa Womens University	2018
Online Certificate	Stress Management	NPTEL	2018
Online Certificate	Introduction to Research	NPTEL	2019
Online Certificate	Cell Biology: Cellular Organization, Division & Process	NPTEL	2022

Online Certificate	Genetic Engineering: Theory and Applications	NPTEL	2022
Online Certificate	Molecular Basis of Inheritance	Infosys Spingboard	2022

Grants Received

Event Title	Agency	Amount	Date
-	-	-	-

Projects

Completed

Project Title	Agency	Amount	Duration
-	-	-	-

On-going

Project Title	Agency	Amount	Duration
-	-	-	-

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	-
M. Phil.	-	-

Research Publications (Indexed)

International

1. Kiruba M and Shanmugavadivu M. 2023. Application of keratin-A review. **Journal of Emerging Technologies and Innovative Research (JETIR)**. 10(4): 69-74. (ISSN: - 2349-5162). (UGC Approved)

2. Anandhi K, **Shanmugavadivu M.** 2023. Formulation and Evaluation of Herbal AntiAcne Cream -A Review. **International Journal of Enhanced Research in Science, Technology & Engineering.** 3(12): 106-110. (ISSN:2319-7463). (UGC Approved)
3. Ashwini Subramani and **Shanmugavadivu Muthusamy.**2023. Production of Vinegar From Fruit Pulp and Peels – A Review. **International Journal of Novel Research and Development.** 3(8): 10-12. (ISSN:2456-4184). (UGC Approved)
4. **Shanmugavadivu Muthusamy.** 2022. Anticancer activity of Silver Nanoparticles synthesized using *Citrus reticulata* fruit peel Aqueous Extract. **International Journal of Research and Analytical Reviews (IJRAR).** 9(3): 786-791. (E-ISSN 2348-1269, P-ISSN 2349-5138). (UGC Approved)
5. **Shanmugavadivu Muthusamy,** Shalini Devaraj. 2022. Therapeutic Applications of *Citrullus lanatus* seed oil- A mini review. **Gradiva Review Journal.** 8(7): 1237-1240. (ISSN: 0363-8057). (UGC CARE II Journal).
6. **Shanmugavadivu Muthusamy,** Shalini Devaraj. 2022. Antioxidant and Radical Scavenging Activity of Silver Nanoparticles Synthesized by *Punica granatum* Fruit Peel Extract. **Gradiva Review Journal.** 8(2): 193-200. (ISSN: 0363-8057). (UGC CARE II Journal).
7. **Shanmugavadivu Muthusamy.** 2022. Hibiscus sabdariffa LINN. – A Potent Medicinal Plant. **International Journal of Research and Analytical Reviews (IJRAR).** 9(1): 144-148. (E-ISSN 2348-1269, P- ISSN 2349-5138). (UGC Approved)
8. Mahalakshmi B, Rathinasamy Baskaran, **Shanmugavadivu M,** Ngoc Tuan Nguyen and Bharath Kumar Velmurugan. 2020. Insulinoma-Associated protein 1 (INSM1): A potential biomarker and therapeutic target for neuroendocrine tumors. **Cellular Oncology.** 43(3):367-376. (ISSN: 2211-3428). (Scopus Indexed Springer Journal).
9. Soundarya Dhandapani and **Shanmugavadivu Muthusamy.** 2020. Gelatin: Sources, Extraction, Properties and Its Applications - A Review. **International Journal of All Research Education and Scientific Methods (IJARESM).** 8(6): 304 – 311. (ISSN: 2455-6211) (UGC Approved)
10. Renuga Devi S, **Shanmugavadivu Muthusamy,** Karthikeyan V, Soundarya D and Rathika S. 2020. Rhizobium as Bio Fertilizer -A Review. **International Journal of**

Research and Analytical Reviews (IJRAR). 7(2): 256-259. (ISSN: 2349-5138) (UGC Approved)

11. Pham Anh Duca, P. Dharanipriya, Bharath Kumar Velmurugan, **M. Shanmugavadivu.** 2019. Groundnut shell -a beneficial bio-waste. **Biocatalysis and Agricultural Biotechnology.** 20(101206). (ISSN: 1878-8181) (Scopus Indexed Elsevier Journal).
12. Venkatachalam Angamuthu, **M. Shanmugavadivu,** G. Nagarajan, Bharath Kumar Velmurugan.2019. Pharmacological activities of antroquinonol- Mini review. **Chemico-Biological Interactions.** 297:8-15. (ISSN: 0009-2797) (Scopus Indexed Elsevier Journal, Impact factor of 3.296).
13. Shibu Marthandam Asokan, Ravichandran Mariappan, **Shanmugavadivu Muthusamy,** Bharath Kumar Velmurugan. 2018. Pharmacological benefits of neferine - A comprehensive review. **Life Sciences.** 199: 60-70. (ISSN: 0024-3205) (Scopus Indexed Elsevier Journal, Impact factor of 2.936).
14. **Shanmugavadivu,M** and Selvam Kuppusamy. 2017. Green synthesis of silver nanoparticles using *Citrus reticulata* fruit peel aqueous extract and their antibacterial activity. **International Journal of Advanced Research.** 5(4): 700-708.(ISSN: 2320-5407) (UGC Approved Listed in 2017)

Other Publications: International / National Journals

1. Soundarya Dhandapani, **Shanmugavadivu Muthusamy,** Renuga Devi, Karthikeyan V and Rathika S.2019. Potential Uses of Fish: A Review. **International Journal of Innovative Research in Science, Engineering and Technology.** 8(10):10150-10153. (ISSN: 2319-8753)
2. Dharanipriya P, **Shanmugavadivu M** and Poongothai M. 2019. *Bacillus anthracis* Mediated Saccharification of Groundnut Shell for Ethanol Production. **Int J Plant Anim Environ Sci.** 9 (3): 190-199. (ISSN:2231-4490)
3. **M. Shanmugavadivu,** Bharath Kumar Velmurugan. 2018. Antibacterial activity and Antidiabetic activity of *Costus igneus,* *Gymnema sylvestre* and *Ocimum sanctum.* **International Journal of Chem Tech Research.** 11(10):126-134. (ISSN: 0974-4290)

4. Vidhya Jaganathan, **Shanmugavadivu Muthusamy**, Sandhya Ganesh. 2018. Preliminary Phytochemical Screening and Anti- bacterial Activity of Grape Seeds Methanolic Extract. **International Journal of Pharma Research and Health Sciences**. 6 (2): 2497-01. (ISSN: 2348-6465)
5. Sandhya Ganesh, **Shanmugavadivu Muthusamy** and Vidhya Jaganathan. 2018 Preliminary Phytochemical screening, Anti-bacterial and Thrombolytic activity of Cleome gynandra aqueous extract. **International Journal of Advanced Research in Biological Sciences**. 5(3): 30-36. (ISSN: 2348-8069)
6. Vidhya Jaganathan, **Shanmugavadivu M**, Sandhya Ganesh. 2018. Preliminary phytochemical screening and anti-bacterial activity of date seed methanolic extract. **International Journal of Advanced Research in Biological Sciences**. 5(2): 209-215. (ISSN: 2348-8069)
7. Ranjithkumar Rajamani, Selvam Kuppusamy, **Shanmugavadivu. M** and D. Rajmohan. 2016. Preliminary phytochemical screening of aqueous extract of Betal nut and Betal leaves. **International Journal of Biosciences and Nanoscience**. 3(1): 14-18. (ISSN 2349- 5251)
8. Ranjith Kumar Rajamani, Selvam Kuppusamy and **Shanmugavadivu.M**. 2014. Antibacterial Textile Finishing via Green Synthesized Silver Nanoparticles. **Journal of Green Science and Technology**, 1(2):1-3. (ISSN 2164-7585)
9. Harish Kumar.K, **Shanmugavadivu.M**, Ranjith Kumar Rajamani and Selvam Kuppusamy. 2014. Antibacterial Activity of Leaf Extracts of *Ageratina adenophora* L., medicinal plants of Nilgiris Hill, Tamilnadu against Human pathogens. **International Journal of Biosciences and Nanosciences**, 1(1): 1-3 (ISSN 2369-5251)
10. Harish Kumar.K, **Shanmugavadivu.M**, Ranjith Kumar Rajamani and Selvam Kuppusamy. 2014. Antibacterial Activity of Different Solvent Extracts of Medicinal Plants: *Ruta graveolens* L, **International Journal of Biosciences and Nanosciences**, 1(1): 9-11. (ISSN 2369-5251)
11. Ranjith Kumar Rajamani, Selvam Kuppusamy and **Shanmugavadivu.M**. 2014. Synthesis of Silver Nanoparticles using Areca Nut extract for enhanced Antibacterial Activity. **Journal of Green Science and Technology**, 1(2): 1-5.(ISSN 2164-7585)

12. **Shanmugavadivu.M**, Selvam Kuppusamy and Ranjith Kumar.R. 2014. *Lippia nodiflora* Linn. - Apotential Antibacterial Agent. **Int.J.Parmacol. Bio.Sci.**, 8(1):19-23. (ISSN 0975-6299)
13. **Shanmugavadivu.M**, Selvam Kuppusamy and Ranjith Kumar.R. 2014. Synthesis of Pomegranate peel Mediated synthesis of Silver Nanoparticles and its Antibacterial Activity. **American Journal of Advanced Drug Delivery**, 2(2):174-182. (ISSN 2321-547X)

Papers Published in Conference Proceedings

1. **M. Shanmugavadivu**, D. Shalini and B. Sangeetha. 2022. Antibacterial Potential of Silver Nanoparticles Coated Cotton Fabric. Conference Proceedings: International Virtual Conference on Global Restructuring; Trends and New Practices. 74-78. (ISBN:978-93-5473-511-0)
2. B. Sangeetha, D. Shalini, **M. Shanmugavadivu**. 2022. In Silico Docking Analysis of FTO Protein with Vaccenic Acid and Anti-Obesity Commercial Drugs By Patchdock Server. Conference Proceedings: International Virtual Conference on Global Restructuring; Trends and New Practices. 145-157. (ISBN:978-93-5473-511-0)

Book Publications

1. Cell Biology, Bioinstrumentation and Microbiology Lab Manua, **Dr. M. Shanmugavadivu**, 1st Edition, Inam Pathippagam, Coimbatore, 2021, ISBN: 978-93-92293-00-9.
2. Immunology and Plant Tissue Culture Lab Manual, **Dr. M. Shanmugavadivu**, 1st Edition, Inam Pathippagam, Coimbatore, 2021, ISBN: 978-93-92293-23-8.
3. Microbial Biotechnology ad rDNA Technology Lab Manual, **Dr. M. Shanmugavadivu** and Dr. B. Sangeetha, 1st Edition, Inam Pathippagam, Coimbatore, 2021, ISBN: 978-93-92293-28-3
4. **Dr.M.Shanmugavadivu** and Dr.R.Suganthi.(2022). Molecular Biology, Genetics and Biochemistry Lab Manual. Dr. N.G.P. Arts and Science College, Coimbatore. ISBN: 978-81-960021-8-3

5. Dr.R.E. Ugandar, Mr.Imran Khan, Dr.M.N. Kathiravan and **Dr.M.Shanmugavadivu.** (2023). A Text Book of Fundamentals of Research Methodology and Statistics. RK Publications, Vellore. ISBN: 978-81-19140-06-0.

Book Chapters

1. Chapter Eight: The Role of Microorganisms in the Green Synthesis of Nanoparticles. **Microbial Diversity, M. Shanmugavadivu, K.Selvam, J. Senthil Kumar and R. Ranjith Kumar,** Edited by P. Ponmurugan and J. Senthil Kumar. Cambridge Scholars Publishing. 2020, 102-112. ISBN (13): 978-1-5275-4818-3.
2. Somatic Embryogenesis and Artificial Seed germination, **Recent Research in Biosciences and Biotechnology, D.Shalini, M. Shanmugavadivu and B.Sangeetha.** 2022, 26-40. ISBN: 978-81-952529-3-0.

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Project in Biology for IB diploma program	The Indian Public School	31,950.00	Completed
Project in Biology for IB diploma program	The Indian Public School	37,050.00	Completed
Project in Biology for IB diploma program	The Indian Public School	43,250.00	Completed

Presentations in Conference

1. **Phyto-chemical components of *Lippia nodiflora* Linn.,** National Symposium on “Scientists Oration for Researches and Techniques in Biotechnology” organized by Department of Biotechnology and Bioinformatics, Vivekanandha College of Arts and Sciences for Women, Tiruchengode on 11th & 12th February 2006 sponsored by Angammal Educational Trust and Vivekanandha Educational Institutions.
2. **Efficiency of Marine Actinobacterial isolates in the Biosorption of Heavy metals from the electroplating industrial effluents,** National conference on “ Green

Technologies for Conservation of Biodiversity (GTCB 2013)” held at Sri Ranganathar Institute of Engineering and Technology, Coimbatore on 16th February 2013.

3. **Biodiversity in Western Ghats**, National Level Seminar on “ Current Trends in Biodiversity Conservation and Forest Management [CTBCFM-2014]” held at Center for Biodiversity and Forest studies, Periyar University, Salem, 6th & 7th –Jan - 2014.
4. ***Lippia nodiflora* Linn – A potent antibacterial agent**, DBT sorsored National Seminar on “ Recent Advances in Biotechnology and Applied Microbiology” organized by Department of Microbiology, Kanchi Shri Krishna College of Arts and Science, Kanchipuram 3rd & 4th –Mar- 2014.
5. **Synthesis of Silver nanoparticles using lemon peel extract**, National Conference on “Bioscience, Bioengineering & Environment (NCBBE-2014)” organized by Department of Biotechnology & Industrial Biotechnology, Karpagam university, 9th & 10th –Oct- 2014.
6. **Biomimetic etiquette for room temperature synthesis of silver nanoparticles via orange peel aqueous extract in minutes: An antibacterial material**, National Conference on “Medicinal Plants and Health Care” organized by PG & Research Department of Biotechnology, Kongunadu Arts and Science College, 17-Mar- 2015.
7. **Biomimetic etiquette for room temperature synthesis of silver nanoparticles via the extract of *Allium cepa*: An antibacterial material**, National Level Seminar on “ Biodiversity Products and Industrial Applications (BPIA-2015)” held at Center for Biodiversity and Forest studies, Periyar University, Salem, 28th & 29th –Sep- 2015.
8. ***Ocimum sanctum* – a potent Antibacterial agent**, one day national seminar on “Recent Innovations in Biosciences” organized by Dr. R. V. College of Arts and Science, Karamadai, Coimbatore, 26- Aug- 2016.
9. ***Gymnema sylevestre* – A potent Anti-diabetic Agent**, one day international conference on “Frontiers in Biotechnology” organized by Department of Biotechnology, Nandha Arts and science College, Erode. 3-Feb-2017.
10. **Phytochemical analysis & Antibacterial activity of *Costus igneus***, two days international symposium on “Bioscience research for present and future” (Biomillennium’17) organized by Department of Biotechnology, Vivekanandha College of Arts and Science for Women, Tiruchengode, 7th & 8th –Mar-2017.

11. **Comparative Study of phytochemicals in Date seeds and grape seeds**, two days National Seminar on “Challenges and Advances in Microbiology (CAM-2018)” organized by Department of Microbiology, Annamalai University on 1st & 2nd February 2018.
12. **Invitro antiplatelet, thrombolytic and antiproliferative activity of Cleome gynandra leaf extract against Human HepG2 cell line**, NABARD sponsored National seminar cum workshop on “ Innovations and Implementation of modern technologies in agriculture organized by PG and Research Department of Biotechnology, Selvamm Arts and Science College, Namakkal, 22nd -24th – Nov-2018.
13. **Date seed oil - A potential therapeutic Agent**, International Conference on “ Recent Advances in Bioscience” organized by PG Department of Biotechnology, KSG College of Arts and Science, Coimbatore, 28th October 2022.
14. **Innovative solutions for safe and effective nanoparticle based approaches**, National Conference on “ Bioengineering and Nanotechnology in Medicine and Biology” organized by Department of Biotechnology, Sri Ramakrishna College of Arts and Science, Coimbatore on 23rd and 24th Mar 2023

Participation in Conference

International

1. **Harnessing Microbes for Human Health and Resource Recuperation** organized by Department of Microbiology, Dr.N.G.P. Arts and Science College, Coimbatore on 7th and 8th 2012 sponsored by ICMR , DBT, New Delhi and KMCH Coimbatore.
2. **Infection and Immunity** organized by Department of Biotechnology, S.N.R Sons College, Coimbatore, 18- Feb- 2015.
3. **Public Health Emergency and Disaster Management** organized by PG and Research Department of Biotechnology and Microbiology, Hidusthan College of Arts and Science, 3-Nov- 2015.
4. **Indian Rural Public Health and Non Communicable Disease** organized by Kovai Medical Center and Hospital, Coimbatore, 6-Apr-2019.

5. **Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD 2023)** organized by Department of Microbiology, Dr.N.G.P Arts and Science College, Dr. N.G.P Arts and Science College, Coimbatore, 9th &10th - Mar- 2023

National

1. **Anvance Trends in Biotechnology : “Biotechnology – A Conservationist of Biosciences”** organized by Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore, 2nd & 3rd – Feb-2007.
2. **Anvance Trends in Biotechnology : “Biotechnology – A Conservationist of Biosciences”** organized by Department of Biotechnology, Dr.N.G.P. Arts and Science College, Coimbatore, 19th & 20th – Dec-2008
3. **Biopharmaceuticals – Their Application in Disease prevention and Health Promotion – NSBP 2011** organized by Department of Microbiology, Dr.N.G.P. Arts and Science College, Coimbatore sponsored by ICMR, New Delhi and KMCH, Coimbatore, 4th & 5th - Aug- 2011.
4. **Achieving Academic Excellence through Internal Quality Assurance Cell (IQAC)** held at Dr.N.G.P. Arts and Science College, Coimbatore sponsored by NAAC, 9th & 10th- Dec - 2011
5. **Perception of Microbes in Human Health and Environment PSPM-2013** organized by Department of Microbiology, Dr.N.G.P. Arts and Science College, Coimbatore 22 – Aug - 2013.
6. **Recent Trends in Medicinal Plants and Their Products** organized by Department of Biochemictry and Clinical Laboratory Technology, Dr.N.G.P. Arts and Science College, Coimbatore 18–Sep- 2013.
7. Exhibition on **“Medicinal values of Plants and Plant Products”** organized by PG and Research Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore 23–Jan- 2014.
8. **Momentous Microbes From Menace to Marvel – PSMM 2014** organized by Department of Microbiology, Dr.N.G.P. Arts and Science College, Coimbatore 20 – Aug- 2014.

9. **Technical Advances in Textile, Physical & Biological Sciences** organized by Department of Costume Design & Fashion, Physics and Biotechnology, Nandha Arts and Science College, Erode 5th & 6th - Feb- 2015.
10. **Emerging Education Models for 21st Century Learner (NCEEM-2015)** organized by Association of Principals of Colleges of Bharathiar University jointly with UCG Human Resource Development Centre, Bharathiar University 1 – Aug- 2015.
11. **Biodiversity Conservation** organized by PG and Research Department of Biotechnology, Sree Narayana Guru College, Coimbatore 30 –Sep- 2015.
12. **Traditional and Translational Scenarios in Biological Sciences (3 I's- *In vitro* to *In vivo* to *In Silico*)**, organized by Department of Microbiology sponsored by DBT and ICMR, Dr.N.G.P. Arts and Science College, Coimbatore, 9th -10th September 2016.
13. **Changing Disease Profile: Challenges Facing Basic and Translational Research in India**, organized by Department of Biochemistry and sponsored by DBT, Dr.N.G.P. Arts and Science College, Coimbatore 5th & 6th – Oct- 2016.
14. **Innovative Approaches & Modern Techniques in Biological Sciences 2019 (IAMTBS-19)** organized by Department of Botany, Periyar University, Salem 22 –Jan- 2019.

Participation in Seminars

1. State Level seminar on “ **Broad Spectrum of Enzymes – The Emerging Technology**” organized by Department of Biochemistry, Karpagam Arts and Science College, Coimbatore, 6 – Mar - 2002.
2. State Level seminar on “ **Recent Developments in Applied Microbiology**” organized by Department of Microbiology and Biotechnology, PSG College of Arts and Science, Coimbatore, Sponsored by University Grants Commission, New Delhi, 17th & 18th – Feb - 2003
3. National Level Seminar on “ **Current Technology Developments in Biosciences**” organized by the Departments of Biosciences, Vivekanandha College of Arts and Sciences for Women, Tiruchengode, 12th – 14th –Sep- 2007.

4. Popular Lectures on “ **Current trends in Biotechnology and Bioinformatics**” organized by Research Department of Botany, Nimala College for Women Coimbatore, sponsored by Department of Biotechnology, New Delhi, 2- March- 2012.
5. National Seminar on “ **Emerging Trends in Microbial Biotechnology**” organized by Department of Microbiology, Kanchi Shri Krishna College of Arts and Science, Kanchipuram, sponsored by DBT, New Delhi, 20th & 21st –Feb- 2013.
6. National Level Seminar on “ **Frontier Research in Applied Biology & Environmental Sciences**” organized by King Nandhivarman College of Arts & Sciences, Thiruvannamalai, 30th - Jan- 2016.
7. State level seminar on “ **Current Strategies in Forest Resources Management**” organized by Department of Zoology, Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar, 16-Feb-2018
8. National Seminar & Medicinal plant exhibition on “**Complementary and alternative Indian system of Medicine**” organized by Department of Botany, Nirmala College for Women, Coimbatore, 1st & 2nd –Feb- 2019
9. National Seminar on “ **Mushrooms- Rise of research and retreats for humanity**” organized by Department of Plant Pathology, TNAU, Coimbatore, 30-Sep-2019.

Participation in Workshop

1. DBT sponsored one day Workshop on “**Recent Trends in Biophysics and Nanotechnology**” organized by the Department of Physics, PSG College of Arts and Science, 26- Jul- 2013.
2. One day workshop on “**Analysis of spectral data**” organized by Center for Research, Dr. N.G.P. Arts and Science College, Coimbatore, 30 -Jan-2017.
3. Science Academies’ sponsored three days Lecture workshop on “**Biodiversity and Bioresources: Conservation and Utilization**” organized by Government Arts College, Karur, 8th – 10th – Feb- 2017.
4. Science Academies’ Lecture workshop on “ **DNA Technologies in Revisiting Biology**” organized by Department of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore, 27th – 29th –Jul-2017.

5. Science Academies' Lecture workshop on “ **Recent Advances in Biochemistry**” organized by Department of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore, 10th – 11th –Aug-2018.
6. DST-DADD-Project based Personal Exchange Programme(PPP) sponsored International workshop on “**Health Risk Assessment of Nanoparticles**” organized by Faculty of Basic and Applied Science and Bioscience, Dr. N.G.P. Arts and Science College, Coimbatore, 5th -7th – Dec-2018.
7. One day workshop on “ **Outcome Based Education (OBE)**” organized by Dr.N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited on 4th March 2023.

Participation in Orientation Programme / Short Term Courses

1. **Training in Bio-Chemical tests** in Lotus Apollo Hospital, Erode on 23rd November – 2nd December 2001.
2. Science Academies' Refresher Course on “**Biotechnology Techniques in Biodiversity Conservation**” during 10th-24th September 2018 (Two week) at Bharathiar University, Coimbatore.
3. International short term training Programme -4 on “ **Methods, Modeling, Data and Tools of Environmental Conversion**” organized by Raj Rishi Govt. Autonomous College from 1st - 7th November 2022.
4. International short term training Programme -5 on “ Production and Regulation of chemicals and Toxins for Environmental conservation” organized by Raj Rishi Govt. Autonomous College from 7th - 13th December 2022.

Participation in Faculty Development Programme

1. Seven days Faculty development Programme on “**Quality Measures in Higher Education**” during 3rd-9th December 2018 at Dr.N.G.P. Arts and Science College, Coimbatore.

2. Seven days Faculty development Programme on “**NAAC Resived framework and OBE Assessment Methodologies**” during 27th May -2nd June 2019 at Dr.N.G.P. Arts and Science College, Coimbatore.
3. One week online Professional development Program on “**Avenues of Biotechnology**” organized by Department of Biotechnology during 20th June – 26th June 2022 at SRM Institute of Science and Technology, Chennai.
4. One week online FDP on “**Research Prospects and Progress in Biological Science**” (RPPB-2022) organized by Department of Biotechnology during 4th July – 10th July 2022 at SRM Institute of Science and Technology, Chennai.
5. Nine days UGC - Approved Short term Professional Development Programme on “**Implementation of NEP - 2020 for university and College Teachers**” organized by Indira Gandhi National Open University during 18th - 26th November 2022.

Conference / Seminar / Workshop Organized

Conference/ Seminar

1. Committee Member in National Conference on “Perspectives of Biotechnology for Health Development” on 29th & 30th December 2011 in Dr. N.G.P Arts and Science College, Coimbatore.
2. Committee Member in two day National Conference on “Biotechnology – Present and Future” on 26th & 27th September 2013 in Dr. N.G.P Arts and Science College, Coimbatore.
3. Committee Member in one day Dr. Nalla G Palaniswami Endowment Seminar on “Innovations in Biotechnology” on 28.02.2014
4. Committee Member in two day National Conference on “Biotechnology – Present and Future for sustainable Healthcare Development” on 29th & 30th December 2014 in Dr. N.G.P Arts and Science College, Coimbatore.
5. Committee Member in two day National Conference on “Bioprospecting – Initiatives and Challenges” on 28th -29th December 2015 in Dr. N.G.P Arts and Science College, Coimbatore.
6. Joint Organizing Secretary in one day National Conference sponsored by Indian Council of Medical Research, New Delhi, Department of Biotechnology, New Delhi and Kovai Medical Centre and Hospitals Coimbatore on “Genomics and Proteomics in

Bioprospecting- Role in Healthcare Development” on 21st December 2016 in Dr. N.G.P Arts and Science College, Coimbatore.

7. Committee Member in one day National Conference on “Bioprospecting- Indian Perspectives, Challenges & Opportunities” on 28th December 2017 in Dr. N.G.P Arts and Science College, Coimbatore.
8. Committee member in National Seminar on “Biodiversity and its Prospecting (NSBP-19)” on 28th February 2019 in Dr. N.G.P Arts and Science College, Coimbatore.
9. Committee member in National Conference on “Recent trends in Bio-prospecting and its Challenges” on 16th October 2019 in Dr. N.G.P Arts and Science College, Coimbatore.
10. Committee member in National Symposium on “Graduate Research-20” on 21st & 22nd February 2020 in Dr. N.G.P Arts and Science College, Coimbatore.
11. Co-ordinated in conducting the “Intellectual Property Awareness Program under NIPAM” jointly organized by IP office and MoE’s Innovation Cell, India on February 10, 2023

Workshops

1. Committee Member in Workshop on “Down Stream Processing and its applications” on 15th & 16th February 2013 in Dr. N.G.P Arts and Science College, Coimbatore.
2. Organizing Committee member, DBT-STAR scheme sponsored Workshop on Nanophotometric Techniques, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 10-Jan-19.
3. Organizing Committee member, DBT-STAR scheme sponsored Workshop on Microtome, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 07-Feb-19.
4. Organizing Committee member, DBT-STAR scheme sponsored Workshop on PCR and Nanophotometer, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 13-Feb-19.
5. Organizing Committee member, National Workshop on Data Analytics and its applications in Biotechnology (sponsored by DBT. New Delhi), Department of Computer Technology and Department of Biotechnology at Dr. N.G.P. Arts and Science College, Coimbatore, 14 to 15-Feb-19.

6. Organizing Committee member, DBT-STAR scheme sponsored Workshop on Protein & Nucleic Acid Quantification with Nanophotometer, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 19-Feb-19.
7. Organizing Committee member, DBT-STAR scheme sponsored Workshop on Operations and Applications of UV-Visible Spectrophotometer, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 21-Feb-19.
8. Organizing Committee member, DBT-STAR scheme sponsored Workshop on Animal Cell Culture Technique, organized by Department of Biotechnology at Dr. N.G.P Arts and Science College, Coimbatore, 30-Mar-19.

Faculty Development Programme

1. Organizing Secretary in seven days Faculty development programme on “Quality Measures in Higher Education” during 3rd-9th December 2018 at Dr.N.G.P. Arts and Science College, Coimbatore.
2. Committee Member in one day National Conference on “Recent Trends in Bioprospecting and its Challenges” on 16th October 2019 in Dr. N.G.P Arts and Science College, Coimbatore.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

1. Resource person, DBT STAR College Sponsored Webinar Series on “**Cancer and Thearapeutics**”, Hindusthan College of Arts and Science, Coimbatore, 15- Dec-2021.

Member in BoS

Board of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 2015-2020.

Editorial / Review Board Member

NIL

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
-	-	-
-	-	-

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
-	-	-

Recognition National / International

Nature of Recognition	Organization / Institution	Year
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