

Name : Dr R SUGANTHI

Designation : Deputy Controller of Examinations & Professor

Department : Biotechnology

Qualification : M.Sc., PhD, PGDBI, PGDNBT

Experience : Teaching: 25.9 Years; Research: 20 Years

Area of Specialization(s): Molecular Biotechnology & Microbial Biotechnology

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#### Academic Qualifications

Exam passed	University/Institution	Year of Graduation
PhD in Biotechnology	Bharathiar University, Coimbatore.	June 2008
PG Diploma in Nanobiotechnology	Life Science foundation India, Karnataka	July 2013
PG Diploma in Bioinformatics	Bharathiar University, Coimbatore.	May 2005
M.Sc., Biotechnology	Bharathiar University, Coimbatore.	May 1998
B.Sc., Biochemistry	Bharathiar University, Coimbatore.	May 1996

#### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certificate Course	Office Automation	Dr G R Damodaran College of Science	2004
Certificate	ISO 9001-2000 Internal Quality audit training Programme conducted by Quality Management Service (QMS)	ISO	2008
Certificate	British English council vantage course	British English Council	2010
Certificate	Digital teaching techniques under R Systems Women Edutators Empowerment Edutators Programme	ICT Academy	2.2.2023 to 17.2.2023
Certificate	Creative thinking	Infosys Springboard	11.11.2022

## Projects Completed

Project Title	Agency	Amount	Duration
UGC major research project in the topic “Evaluation of appropriate STS markers for screening Y-Chromosome microdeletions in infertile men of Tamilnadu”	UGC	Rs.1322657	(Feb, 2011 - Jan, 2014)
Department of Biotechnology, Govt. of India (2007-2010) in the topic “Income generation through oyster mushroom cultivation and value addition by the rural women in Theni district of Tamilnadu”.	DBT	-	2007-2010
National Science and Technology Entrepreneurship Development Board, Department of Science and Technology, Govt. of India. Through Entrepreneurship Development Institute of India, Ahmedabad. DST – NIMAT Project (2011 – 2012) for conducting Entrepreneurship Awareness Camps (EACs), Faculty Development Programme (FDP), Women Entrepreneurship Development Programme (WEDP) and Technology Based Entrepreneurship Development Programme (TEDP).	DST	-	2011-2012
National Science and Technology Entrepreneurship Development Board, Department of Science and Technology, Govt. of India. Through Entrepreneurship Development Institute of India, Ahmedabad. DST – NIMAT Project (2010 – 2011) for conducting Entrepreneurship Awareness Camps (EACs), Faculty Development Programme (FDP), Women Entrepreneurship Development Programme (WEDP) and Technology Based Entrepreneurship Development Programme (TEDP).	DST	-	2010 – 2011
National Science and Technology Entrepreneurship Development Board, Department of Science and Technology, Govt. of India. Through Entrepreneurship Development Institute of India, Ahmedabad. DST – NIMAT Project (2009 – 2010) for conducting Entrepreneurship Awareness Camps (EACs), Faculty Development Programme (FDP), Women Entrepreneurship Development Programme (WEDP) and Technology Based Entrepreneurship Development Programme (TEDP).	DST	-	2009 – 2010
National Science and Technology Entrepreneurship Development Board, Department of Science and Technology, Govt. of India. Entrepreneurship Development Cell for 5 years (2007 – 2013).	DST	-	2007 – 2013
Project grant for Seed Money on “Gluten-Chitosan based biodegradable composite fabrics incorporated with Lauric acid for active packaging application” sactioned a grand-in aid Sum of Rs. 1,02,500 on 08.02.2024. Project duration is	Seed Money From Dr. NGPASC	Rs. 1,02,500	2023-2024

M.Phil & PhD Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph.D.	7	3
M. Phil.	12	-

M.Phil Guidance

S. No.	Batch	Name of the Candidate	Topics
1	Sep 2010	Shanmuga Priya T	Plasmid Borne <i>opd</i> Gene in <i>Myroides Odoratimimus</i> for degradation of Dimethoate
2	Sep 2010	R Nitya Meenakshi	Isolation, purification and characterization of Melanin from <i>Aspergillus Fumigatus</i> and Screening for its antioxidant Potential.
3	Sep 2010	Divya U K	Lipase Production by <i>Myroides Odoratimimus</i> (SKS 05) and Biodegradation of Diesel Hydrocarbons.
4	Sep 2010	Manimozhi M	Characterization of Mesentericin 103 Produced by <i>Leuconostoc Mesenteroides</i> BPB GRD 103.
5	Oct 2011	Prabha L	Identification of Single Nucleotide Polymorphisms in Insulin resistance genes in South - Indian women with Polycystic Ovary Syndrome and Type 2 Diabetes Mellitus
6	Oct 2011	Surayya I K Mohammed	Screening for AZFc partial deletions of the Y chromosome in infertile South Indian men with idiopathic azoospermia and oligozoospermia
7	Oct 2011	Sathya E	Non-Aflatoxigenic <i>Aspergillus Tamaris</i> - A Potent fungus for statin production
8	Sep 2012	Mohanapriya M	BIOFILM FORMATION AND SUSCEPTIBILITY TESTING OF <i>MYROIDES ODORATIMIMUS</i> SKS05 GRD USING MBEC™ HIGH-THROUGHPUT ASSAY.
9	Sep 2012	Shobana sundari N	CHARACTERIZATION OF CHROMIUM BIOREMEDIATION BY <i>STENOTROPHOMONAS MALTOPHILIA</i> SRS05 ISOLATED FROM TANNERY EFFLUENT
10	Sep 2012	Backialakshmi S	BIOPRESERVATION AND ANTIBIOFILM POTENTIAL OF ANTILISTERIAL BACTERIOCINS PURIFIED FROM <i>LEUCONOSTOC MESENTEROIDES</i>
11	Sep 2012	Shervin S	MOLECULAR ANALYSIS TO DETECT SINGLE NUCLEOTIDE POLYMORPHISMS IN THE FOLLISTATIN GENE AND GENES INVOLVED IN STEROIDOGENESIS IN SOUTH-INDIAN WOMEN WITH POLYCYSTIC OVARY SYNDROME
12	Sep 2013	Jebil M.S	HIGH-THROUGHPUT METHODOLOGY TO ASSESS THE INHIBITION OF BIOFILM FORMATION BY <i>STENOTROPHOMONAS MALTOPHILIA</i> SRS05-GRD

PhD Guidance

S. No.	FT/ PT	Completed date	Name of the Candidate	Topics
1	FT	29.6.2016	NIDHIYA K.A	COMPETENCY OF <i>ASPERGILLUS</i> SECTION <i>FLAVI</i> IN THE PRODUCTION OF SECONDARY METABOLITES
2	FT	30.7.2016	SARANYA. A	EFFICACY OF <i>MYROIDES ODORATIMIMUS</i> SKS05-GRD IN BIOREMEDIATION AND FLEXIRUBIN PRODUCTION
3	FT	26.9.2016	VIJESH V.V	MOLECULAR GENETIC SCREENING FOR STRUCTURAL CHROMOSOME ABNORMALITIES IN SOUTH INDIAN MEN WITH IDIOPATHIC INFERTILITY

4	FT	28.12.2016	VANDANA NAMBIAR	GENETIC ASSOCIATION STUDY TO EVALUATE THE PREDISPOSING FACTORS OF POLYCYSTIC OVARY SYNDROME IN SOUTH INDIAN WOMEN
5	FT	20.2.2017	NITYA MEENAKSHI R	ELUCIDATION OF CONIDIAL MELANIN FROM <i>ASPERGILLUS FUMIGATUS</i> AS A POTENTIAL BIOACTIVE MOLECULE
6	FT	11.6.2022	ARYA R KRISHNA	POTENTIAL OF ANTILISTERIAL BACTERIOCINS (ALC101 AND ALC102) AND EXOPOLYSACCHARIDES FROM <i>PAENIBACILLUS POLYMYXA</i> AND <i>ENTEROCOCCUS FAECIUM</i> GRD AA
7	FT	26.3.2022	SWATHY KRISHNA. J	ELUCIDATION OF ANTIBIOFILM AND ANTI-QUORUM SENSING POTENTIAL OF PHOSPHATIDYLCHOLINE LIPOSOME ENCAPSULATED HERBAL EXTRACTS AGAINST FOODBORNE PATHOGENS
8	FT	14.7.2023	TRISHA MARY P.A	OPTIMIZATION OF MELANIN PRODUCTION AND EVALUATION OF ITS POTENTIAL APPLICATIONS

### Patents published

1. APPLICATION NUMBER 202441048470 - Dr. Sumathy Raj, Ms. Dhivya Duana Prince Edward Prince, Ms. Aishwarya Lakshmi S, Dr. Suganthi Ramasamy, Dr. Subhashini Ramakrishnan, Dr. Ramathilaga Angamuthu, Dr. Balambigai Narayanaswamy, Dr. Yamuna Myilsamy, 05/07/2024: METHOD OF MAKING COOKIE WITH FORTIFIED BLACK RICE THEREOF.
2. APPLICATION NUMBER 202441069782 - Dr. Suganthi Ramasamy, Abirami Vallimanalan, Arthi Varadharajaperumal, Shalini Avinashi Jothi Thirumalaisamy, Dr. Sumathy Raj, Akileshwaran Kumaravel, Sussmitha Kumaresan, Shanmugapriya Chidhambaram, Antony Berlin Antony Peter, Kavinraj Govindaraj, Shubashri Nagaraj, Mrudhulla Sivakumar, Aarthi Chinnaswamy Ravi, Shiny Mahadevan, 04/10/2024: BERRY-INFUSED BIOPOLYMER COMPOSITE BASED PACKAGING MATERIAL AND A METHOD FOR ITS PREPARATION

### Research Publications (Indexed)

1. Viswambharan N, **Suganthi R**, Simon A M & Manonayaki S, Male infertility: Polymerase chain reaction-based deletion mapping of genes on the human chromosome. Singapore Medical Journal, 48 (11): 1140 (2007); ISSN 0037-5675. (Impact Factor: 1.359, Indexed in Scopus Corresponding author).
2. **Suganthi R** & Vani, Isolation and characterization of an extracellular protease by *Bacillus subtilis* from Poultry Soil, Asian Journal of Microbiology, Biotechnology and Environmental Sciences, AJMBES 10 (4): 753-758, (2008); ISSN 0972-3005. (Impact Factor: 0.314, Indexed in Scopus Corresponding author).
2. J Fathima Benazir, P Ravichandran, B Mathithumilan, V Vinothini Jochebed, **R Suganthi** & V Manimekalai, *Invitro* regeneration of of mat sedge (*Cyperus Pangorei* Rottb), Journal of Plant Biochemistry and Biotechnology, 18(2), (2009) ; ISSN 0971- 7811. (Impact Factor: 0.565, Indexed in Scopus, Co-author, 5).
4. J. Fathima Benazir, V. Manimekalai, P. Ravichandran, **R. Suganthi** & D. C. Dinesh, Properties of Fibres/Culm Strands from Mat Sedge – *Cyperus Pangorei* Rottb., Bioresources 25 (2): 951-967, (2010); ISSN 1930-2126. (Impact Factor: 1.409, Indexed in Scopus, Co-author, 4).

5. J Fathima Benazir, **Suganthi. R**, D. Rajvel, M. Padmini Pooja & B. Mathithumilan, Bioremediation of Chromium in tannery effluent by Microbial consortia., African journal of Biotechnology 9(21):3140–3143, (2010); ISSN 1684- 5315(Impact Factor: 1.032, Indexed in Scopus, Co-author, 4).
6. **Suganthi. R**, Manonayaki.S, J Fathima Benazir, Follistatin concentrations in women from Kerala with Polycystic ovary Syndrome. Iranian journal of Reproductive Medicine, 8 (3): 131-134, (2010) ;ISSN 1680-6433(Impact Factor: 0.657, Indexed in Scopus, First author).
7. **Suganthi. R**. Anjana Hari, Arumugam B., Arungopal M., Ramesh Kumar V and Fathima Benazir J, Aspergillus niger– A potential enzyme producer on cost effective agro industrial wastes. Research Journal of biotechnology 7(1):25–32, (2012);ISSN 2278-4535(Impact Factor: 0.798, Indexed in Scopus, First author).
8. **Suganthi R**, Shanmuga Priya T, Saranya A and Kaleeswaran T, Relationship between plasmid occurrence and antibiotic resistance in of Myroides odoratimimus SKS05-GRD isolated from chicken meat, World Journal of Microbiology and Biotechnology, 29: 983-990, (2013);ISSN: 0959-3993 (Impact Factor: 2.80, Indexed in Scopus, First author).
9. Nitya Meenakshi R and **Suganthi R**, Screening of radical scavenging efficacy of melanin isolated from Aspergillus fumigates, International Journal of Pharma and Bio Sciences 4(2): (B) 312 – 318, (2013); ISSN 0975 – 6299 (Impact Factor: 0.47, Indexed in Scopus, Corresponding author).
10. **Ramasamy Suganthi**, Vijesh V V , Sanjay J and Jahangir Ali Fathima Benazir, Multiplex PCR based screening for microdeletions in azoospermic and severe oligozoospermic south Indian men, Reproductive Medicine,11(3) 219-226, (2013); ISSN 1680 - 6433 (Impact Factor: 0.657, Indexed in Scopus, First author).
11. J. F. Benazir, **R. Suganthi**, P. Chandrika and B. Mathithumilan, In vitro regeneration and transformation studies on Pelargonium graveolens (geranium) - an important medicinal and aromatic plant, Journal of Medicinal Plant Research7(38): 2815-2822, (2013); ISSN 1996-0875 (Impact Factor: 2.239, Indexed in Scopus, Co-author, 3).
12. **Ramaswamy Suganthi**, Vijesh V V, Vandana Nambiarand Jahangir Ali Fathima Benazir, Y chromosomal microdeletion screening in the workup of male infertility and its current status in India ,International journal of fertility and Sterility7(4): 253-266, (2014); ISSN 2008 – 076X (Impact Factor: 0.506, Indexed in Scopus, First author).
13. R Subhashini, **R Suganthi**, A Krithika , S Poorani , C Gopakumar and Issam M Alliddawi, Screening and Sequencing of antibiotic resistant microorganisms from street food, International Journal of Pharmaceutical Sciences Review and Research24(1):40. 224-229, (2013); ISSN: 0976-044X, (Impact Factor: 1.230, Indexed in Scopus, Co author, 6).
14. T Shanmuga Priya, A Saranya, R Nithya Meenakshi, M S Jebil, K A Nidhiya and **Suganthi Ramasamy** Plasmid Borne opd Gene in Myroidesodoratimimus SKS05-GRD for degradation of Dimethoate, Journal of Pure and Applied Microbiology, 9(1): 413-418(2015); ISSN: 0973-7510 (Impact Factor: 0.157, Indexed in Scopus, Corresponding author).

15. Nidhiya K A, Sathya E, Nitya Meenakshi R and **Suganthi Ramasamy**, Efficiency of purified Statin from *Aspergillus tamarii* to lower cholesterol levels in vivo, International Journal of Pharmaceutical Sciences Review and Research 30(2): 180-183, (2015); ISSN: 0976-044X (Impact Factor: 1.230, Indexed in Scopus, Corresponding author).
16. Vijayabhavanath Vijayakumaran, Vijesh, Vandana Nambiar, Surayya I.K. Mohammed, Shervin Sukumaran, and **Ramaswamy Suganthi**, Screening for AZFc Partial Deletions in Dravidian Men with Non-obstructive Azoospermia and Oligozoospermia Genetic Testing and Molecular Biomarkers 19(3):150-155, (2015); ISSN: 1945-0265 (Impact Factor: 1.378, Indexed in Scopus, Corresponding author).
17. A Saranya, M.S Jebil, T Shanmuga Priya, R Nithya Meenakshi, K A Nidhiya, S. Backialakshmi, G Jayaprabha and **Suganthi Ramasamy**, Microbial Degradation of Chlorpyrifos by *Myroides odoratimimus* SKS05-GRD, (2015) 9(2): 1757-1762. (Impact Factor: 0.157, Indexed in Scopus, Corresponding author).
18. Nidhiya KA, Satya E, Nithya Meenakshi R, Saranya A, Suganthi Ramasamy In vitro anticancer potential of statin from *Aspergillus tamarii* GRD119, Asian Journal of pharmaceutical and clinical research, 8(5):147-153 (2015); ISSN: 0974-2441, (Impact Factor: 0.48, Indexed in Scopus, Corresponding author).
19. A. Saranya, U.K. Divya and Suganthi Ramasamy, Optimization of lipase production by **Myroides odoratimimus** SKS05-GRD and Bioremediation of Diesel Hydrocarbons, Research journal of biotechnology 10(7):1-10 (2015); ISSN: 2278-4535, (Impact Factor: 0.798, Corresponding author).
20. Nitya Meenakshi Raman; Pooja Harish Shah; Misha Mohan; **Suganthi Ramasamy**, Improved production of melanin from *Aspergillus fumigatus* AFGRD105 by optimization of media factors, AMB Express 5(72):2-9, (2015); ISSN: 2191-0855, (Impact Factor: 2.310, Indexed in Scopus, Corresponding author).
21. Vandana Nambiar, Vijayabhavanath Vijayakumaran Vijesh, Prabha Lakshmanan, Shervin Sukumaran, **Ramaswamy Suganthi**, Association of adiponectin and resistin gene polymorphisms in South Indian women with polycystic ovary syndrome, European Journal of Obstetrics & Gynecology and Reproductive Biology, 82-88, (2016); ISSN: 0301-2115, (Impact Factor: 2.003, Indexed in Scopus, Corresponding author).
22. N. M. Raman, S. Asokan, N. Shobana Sundari, **S. Ramasamy**, Bioremediation chromium (VI) by *Stenotrophomonas maltophilia* isolated from tannery effluent, International Journal of Environmental Science and Technology, 15(2), (2017); ISSN: 1735-1472, (Impact Factor: 2.540, Indexed in Scopus, Corresponding author).
23. Mohanapriya Madheswaran, Saranya Asokan, Nitya Meenakshi Raman, Nidhiya Anil Kumar and **Suganthi Ramasamy**, Biofilm formation and its susceptibility testing *Myroides odoratimimus* SKS05-GRD using MBECTM High-throughput Assay, Research Journal of Microbiology, 13(1), 1-12, (2017); ISSN: 1816-4935, (Impact Factor: 0.590, Indexed in Scopus, Corresponding author).
24. Nitya Meenakshi Raman & **Suganthi Ramasamy**, Genetic validation and spectroscopic detailing of DHN- melanin extracted from an environmental fungus, Biochemistry and Biophysics Reports, 12; 98–107(2017); ISSN: 2405-5808. (Impact Factor: 0.853, Indexed in Scopus, Coauthor).

25. Saranya Asokan, Jayaprabha C., Arya R Krishna, Swathy Krishna J., Trisha Mary P., Aswini A., Jagadeshwari A.S., Sonia S., Sreebala G. & **Suganthi Ramasamy**, Efficacy of *Myroides odoratus* SKS05-GRD in Bioremediation of chromium, *Poll Res* –163-172, (2019); ISSN 0257–8050, (Impact Factor: 0.226, Indexed in Scopus, Corresponding author).
26. Praveen Ramachandran, Navitha Thanu Janarthanan, Lavanya Balakrishnan, Sharba Deepa Palanisami, Sindhya Joseph, Sharmila Srimathi Dhanaraj, Trisha Mary Pandipilly Antony, **Suganthi Ramasamy**, Identification and Characterization of Exopolysaccharides of *Staphylococcus epidermis* and *Staphylococcus capitis* isolated from Goat Gut. *Asian Journal of Biological and Life Sciences*, 9(1): 92-98(2020); ISSN: 1996-3351( Indexed in UGC CARE Journals, Corresponding author).
27. Swathy Krishna Jayalekshmi, Suganthi **Ramasamy**, Antibiofilm and Antiquorum Sensing Potential of **Cuminum cyminum** against *Aeromonas veronii*, *Journal of Advanced Scientific Research*. 11 (2) 105-111, (2020); ISSN: 0976-9595, (Indexed in UGC CARE Journals, Corresponding author).
28. Sharmila D. Srimathi, Trisha Mary P.A, Arya R. Krishna, C. Jayaprabha, Swathy Krishna J, Suganthi **Ramasamy**, Antioxidant activity and sun screening effects of bacterial melanin, *Journal of Bioscience and Biotechnology*, 9(1) 47-58, (2020); ISSN:1314-6246, (Indexed in UGC CARE Journals, Corresponding author).
29. Arya Radhakrishnan Krishna, Jayaprabha Chockalingam, Swathy Krishna Jayalekshmi, Trisha Mary Pandipilly Antony and **Suganthi Ramasamy**, Effect of Bacteriocin of *Paenibacillus polymyxa* on Biofilm forming *Listeria monocytogenes* MTCC 657, *Bioscience Biotechnology Research Communications*, 13 (2): 819-828, (2020); Print ISSN: 0974-6455 Online ISSN: 2321-4007, (Indexed in UGC CARE Journals, Corresponding author).
30. Nidhiya Kizhakkootayil Anilkumar, Arya Radhakrishnan Krishna, Jayaprabha Chockalingam, Lavanya Balakrishnan, Navitha Thanu Janarthanan, Praveen Ramachandran, Sharba Deepa Palanisami, Sharmila Srimathi Dhanaraj, Sindhya Joseph, Swathy Krishna Jayalekshmi, Trisha Mary Pandipilly Antony, **Suganthi Ramasamy**, Optimization of Statin Production from *Aspergillus tamari* *Asian Journal of Biological and Life Sciences* , 9(2):214-219. (2020); ISSN: 1996-3351. (Indexed in UGC CARE Journals, Corresponding author).
31. **Suganthi Ramasamy**, Jagadeshwari Akalu Srinath, Critical evaluation of biofilm formation among food borne bacterial pathogens isolated from grape peel and methods to tackle biofilm, *Asian Journal of Biological and Life Sciences*, 9(2): 6-14, (2020); ISSN: 1996-3351 (Indexed in UGC CARE Journals, Corresponding author).
32. Swathy Krishna, J., Arya R. Krishna, C. Jayaprabha, P. A. Trisha Mary and **Suganthi Ramasamy**, Evaluation of Antioxidant Activities of Plant Extracts encapsulated in Liposomes, *International journal of Biology and Biotechnology* , 17: 397-404(2020); ISSN: 1810-2719.(Indexed in UGC CARE Journals, Corresponding author)
33. Nidhiya Kizhakkootayil, Anil Kumar, Arya Radha Krishnan Krishna, Jayaprabha Chockalingam, Lavanya Balakrishnan, Navitha Thanu Janarthanan, Praveen Ramachandran, Sharba Deepa Palanisami, Sharmila Srimathi Dhanaraj, Sindhya Joseph, Swathy Krishna Jayalekshmi, Trisha Mary

- Pandipilly Antony and **Suganthi Ramasamy**, Elucidation of Antifungal, Antioxidant and Anticholesterol Activity of Efficiency of Fungal Statin Isolated from *Aspergillus tamari*, Bioscience Biotechnology Research Communications 13 (3): 819-828(2020); Print ISSN: 0974-6455 Online ISSN: 2321-4007.(Indexed in UGC CARE Journals, Corresponding author).
34. Akanya S.; Krishna, Arya Radhakrishnan; Chockalingam, Jayaprabha; Balakrishnan, Lavanya; Janarthanan, Navitha Thanu; Ramachandran, Praveen; Palanisami, Sharba Deepa; Dhanaraj, Sharmila Srimathi; Joseph, Sindhya; Jayalekshmi, Swathy Krishna; Antony, Trisha Mary Pandipilly; **Suganthi Ramasamy**, Extraction of Exopolysaccharide from *Enterococcus faecium* GRDAA and the application of its Silver Nanoparticles in degradation of azo dyes. Journal of Advanced Scientific Research, 11: 152-157, (2020); ISSN: 0976-9595. (Indexed in UGC CARE Journals, Corresponding author).
  35. Swathy Krishna Jayalekshmi, Arya Radhakrishnan Krishna, Trisha Mary Pandipilly Antony, **Suganthi Ramasamy**, Quorum Sensing Inhibitory Potential of Methanolic Extracts of Cuminumcuminum and Garciniacambogia against foodborne pathogens, Plant Cell Biotechnology and Molecular Biology 22(23&24):134-145(2021); (ISSN: 0972-2025) (Impact Factor: 0.38, Indexed in Scopus, Corresponding author).
  36. Lavanya Balakrishnan, Sharba Deepa Palanisami, Sindhya Joseph, Navitha Thanu Janarthanan, Praveen Ramachandran, Sharmila Srimathi Dhanaraj, Trisha Mary Pandipilly Antony, Arya Radhakrishnan Krishna, Swathy Krishna Jayalekshmi, Jayaprabha Chockalingam, **Suganthi Ramasamy**. A Study on the Relationship between Polymorphism of the Selected Candidate Genes with Polycystic Ovary Syndrome. (2021) 10 (1): 27-33. (Indexed in UGC CARE Journals, Corresponding author).
  37. Jayaprabha Chockalingam, R. Monica , **Suganthi Ramaswamy** Antibiofilm activity of *Elaeocarpus ganitrus* against Methicillin Resistant *Staphylococcus* Species (MRSS) causing bovine mastitis. (2021) 22 (33 & 34):339-355 (Impact Factor: 0.38, Indexed in Scopus, Corresponding author).
  38. Trisha Mary P.A., Sharmila Srimathi D., Arya R. Krishna, Jayaprabha. C, Swathy Krishna J., and **Suganthi Ramasamy**, Characterization, metal chelation, and anti-cancerous activity of extracellular melanin pigments produced by *Pseudomonas mosselii* STSGRDS1. (2021) 43 (4), 1041-1048. (Impact Factor: 0.54, Indexed in Scopus, Corresponding author).
  39. Sreebala G, Trisha Mary Pandipilly Antony and **Suganthi Ramaswamy**, Phenotypic and Genotypic identification of Methicillin resistant *Staphylococcus* Species from fruits, J Adv. Sci. Res 12(2), Suppl 1; 259-269, (2021);ISSN: 0976-9595, (Indexed in UGC CARE Journals, Corresponding author).
  40. Jayaprabha Chockalingam, Akshaya Balasubramanian, Jai Santhosh Krishnan Krishnasamy, Karthika Balasundaram, Kavin Kumar Sivasamy, Anusree Manohar, Joval Antony Martin Sagayaraj, **Suganthi Ramasamy**, Evaluation of Anti-biofilm Formation of Methicillin Resistant *Staphylococcus* Species in Clinical Milk Samples of Bovine Mastitis using Selective Medicinal Plants, Asian Journal of Biological and Life Sciences 10 (3): 632-641. (2021); ISSN: 1996-3351 (Indexed in UGC CARE Journals, Corresponding author).
  41. Arya Radhakrishnan Krishna, Swathy Krishna Jayalekshmi, Trisha Mary Pandipilly Antony, **Suganthi Ramasamy**, Antioxidant Activity of Antilisterial Bacteriocins isolated from *Paenibacillus polymyxa* and *Enterococcus faecium* GRD AA. Asian Journal of Biological and Life Sciences, 10 (13): 566-572. (2021); ISSN: 1996-3351, (Indexed in UGC CARE Journals, Corresponding author).



42. Jayalekshmi SK, Krishna AR, Antony TMP, **Ramasamy S.** Isolation of *Shewanella putrefaciens* GRD 03 from Fish and Explication of Biofilm Adherence Potency on Different Substrates. J Pure Appl Microbiol doi: 10.22207/JPAM.16.1.46 (2022); (Print ISSN: 0973-7510; E-ISSN: 2581-690X), (Impact Factor: 0.483, Indexed in Scopus Corresponding author).
43. Krishna AR, Jayalekshmi SK, Antony TMP, **Ramasamy S.**, Effect of Bacteriocin (ALC102) of *Enterococcus faecium* GRD AA on Biofilm Forming *Listeria monocytogenes* MTCC 657, J Pure Appl Microbiol. (2022) doi: 10.22207/JPAM.16.1.46, Print ISSN: 0973-7510; E-ISSN: 2581-690X, (Impact Factor: 0.483, Indexed in Scopus Corresponding author).
44. Trisha Mary Pandipilly Antony, Arya Radhakrishnan Krishna, Swathy Krishna Jayalekshmi, Jayaprabha Chockalingam and **Suganthi Ramasamy\*** Isolation and Elucidation of Bacterial Melanin's Sun Protection Factor (SPF) for Photoprotection in Cosmetics. J Pure Appl Microbiol. 2023; 17(1):449-455. doi: 10.22207/JPAM.17.1.37 (Print ISSN: 0973-7510; E-ISSN: 2581-690X). (Impact Factor: 0.483, Indexed in Scopus Corresponding author).
45. Sumathy Raj, Monica Shree Gnana Soundara Rajana , Suganthi Ramasamy , Rimal Isaac Rajamony Suthies Goldy, Ramathilaga Ariyamuthua , Monisha Sudhagar , Sakthivel Gandhi e , Prakash Shoba , Manikandan Gurusamy . (2024) An in vitro Anti-urolithiasis Activity of a Herbal Formulation: *Spinacia oleracea* L. and *Coriandrum sativum* L. Clinical Complementary Medicine and Pharmacology, 4:1,100124. <https://doi.org/10.1016/j.ccmp.2023.100124>.
46. Suganthi Ramasamy, Navitha Thanu J.S, Trisha Mary Pandipilly Antony, Sumathy Raj. (2024) Potential of Nisin Loaded Lipid Nanoparticles on Inhibition of *Enterobacter Cloacae* Biofilm Formation, Carpathian Journal of Food Science and Technology, 2024, 16(2), 208-221. <https://doi.org/10.34302/crpjfst/2024.16.2.17>
47. Suganthi Ramasamy, Sanjaivarthan Nallasamy, Anujha Sellamuthu, Deepa Priya Srinivasan, Akileshwaran Kumaravel, Sussmitha Kumaresan, Shanmugapriya Chidhambaram, Antony Berlin Antony Peter, Kavinraj Govindaraj, Shubashri Nagaraj, Aarthi Chinnaswamy Ravi, Shyni Mahadevan, Sumathy Raj. (2024) Characteristics of Chitosan-Shellac Based Biocomposite Fabric for Packaging, Asian Journal of Biological and Life Sciences, 13(3), 696-707.

#### Other Publications: International / National Journals

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Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.

96. Sindhya J and **Suganthi R**, “Vitamin D Receptor Gene Polymorphism (rs 1544410) in Polycystic Ovary Syndrome”, National Level Seminar on Novel Microbial Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.
97. Swathy Krishna J and **Suganthi R**, “Methods for Detection of Biofilm Formation in *Shewanella putrefaciens*”, National Level Seminar on Novel Microbial Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.
98. Trisha Mary P A and **Suganthi R**, “Isolation and production of Melanin Pigment from *Pseudomonas putida*”, National Level Seminar on Novel Microbial Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.
99. Arya R Krishna and **Suganthi R**, “Extraction of Exopolysaccharide from Lactic Acid Bacteria and the application of its Silver Nanoparticles in Degradation of Azodyes”, National Level Seminar on Novel Microbial Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.
100. Thejan S M and **Suganthi Ramasamy**, “Synthesis of egg white silver nanoparticle for antibacterial application against poultry pathogens” in the two days virtual International Conference on multidisciplinary Aspects in Chemistry (ICMAC-2022) organized by the Department of Chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore, Tamilnadu, India during 2020-2021, January 2022.
101. **Suganthi Ramasamy** and Navitha Thanu J S, (2022) “Potential of Nisin loaded lipid nanoparticles of inhibition of *Enterobacter cloacae* biofilm formation”, In the **Proceedings of National conference on Bioprospecting and Biotechnology – HAPTEN2022** held during 9<sup>th</sup> & 10<sup>th</sup> June 2022 at Arunai Engineering College, Trivannamalai, Tamilnadu.
102. **Suganthi Ramasamy** and Nitya Meenakshi, (2023) "Assessment and confirmation of protectant activity by DHA-Melanin and AGMPS On insects and cell lines exposed to ultraviolet radiation" in the two days virtual International Conference on Multidisciplinary Aspects in Chemistry (ICMAC-2023) organized by the Department of Chemistry, Sri Ramakrishna College of Arts & Science, Coimbatore, Tamilnadu, India during 9 - 10, February 2023.

#### **Participation in Conference / Seminar/ FDP / Workshop**

1. Workshop on ‘Bioluminescent Labelling of DNA’ on 2.10.2000 & 3.10.2000 at Dr.GRDCS, Coimbatore - 641 014.
2. One day symposium on ‘Transgenesis’ on 12.2.2001 at Avinashilingam Deemed University, Coimbatore - 641 043.
3. Twoday National seminar on AUTONOMY AND CONTINUOUS ASSESSMENT held on 6.1.2001 at Dr.GRDCS, Coimbatore - 641 014.
4. National Seminar on ‘rDNA Technology’ on 15.5.2001 & 16.5.2001 at Dr.GRDCS, Coimbatore - 641 014.

5. National Workshop on 'Bioinformatics' from 29.9.2001 till 1.10.2001 at Dr.GRDCS, Coimbatore - 641 014.
6. The 45<sup>th</sup> orientation course from 30.10.2001 till 26.11.2001, sponsored by UGC at Academic Staff College, Bharathiar University, Coimbatore - 641 046.
7. One-day development Seminar on 'Computer aided understanding of Biomolecules' on 11.1.2002 at Dr.GRDCS, Coimbatore - 641 014.
8. Three day National Workshop on 'Bioinformatics' from 26.2.2002 till 28.2.2002 at Dr.GRDCS, Coimbatore - 641 014.
9. In-house Training on 'Bioinformatics tools' on 9.4.2002 & 10.4.2002 at Dr.GRDCS, Coimbatore - 641 014.
10. National Seminar on 'Microbial Technology mt-2001' on 1.6.2001 & 2.6.2001 at Dr.GRDCS, Coimbatore - 641 014.
11. National level Workshop on 'Micropropagation of Transgenic medicinal plants' from 11.11.2002 till 21.11.2002 at Dr.GRDCS, Coimbatore - 641 014.
12. National level seminar on 'Recent Developments in Microalgal Technology' on 12.12.2002 & 13.12.2002 at Dr.GRDCS, Coimbatore - 641 014.
13. One week National workshop cum Seminar on 'Animal cell culture and its applications' from 21.7.2003 till 29.7.2003 at Dr.GRDCS, Coimbatore - 641 014.
14. National level seminar on 'Recent trends in Bioscience' on 1.9.2003 & 2.9.2003 at Kongu arts and Science College, Erode - 638107.
15. XXIX Annual conference of Indian society of Human genetics 'Trends in Human genetics, Biotechnology and Bioinformatics: Next 5 years' and Golden jubilee year of NIMHANS, Bangalore from 8.1.2004 till 11.1.2004.
16. Microbial Technology mt 2004 on 12.2.2004 & 13.2.2004, Organized by Department of Microbiology, Dr.GRDCS, Coimbatore - 641 014.
17. National symposium on 'Recent trends in applied Biology' on 28.1.2004 & 29.1.2004 at Avinashilingam deemed University, Coimbatore - 641 043.
18. Three days UGC sponsored National seminar on 'Biotechnology update for Teachers/ Researchers' from 7.7.2004 till 9.7.2004 at Dr.GRDCS, Coimbatore - 641 014.
19. Regional consultation and workshop on 'Technologies relevant to Peninsular India in both farm and non-farm sectors' from 15.9.2004 till 17.9.2004 at Dr.GRDCS, Coimbatore - 641 014.
20. National seminar cum workshop on 'Molecular tools in Immunodiagnosis MID-04' sponsored by Human resource group CSIR from 11.10.2004 till 14.10.2004 at Dr.GRDCS, Coimbatore - 641 014.
21. National level conference on 'Technological advancement in clinical biochemistry' on 15.10.2004 at Karpagam arts and science college, Coimbatore - 641021.
22. One week orientation course in 'Basic techniques in Molecular Biology' from 1.11.2004 till 8.11.2004 at Dr.GRDCS, Coimbatore - 641 014.

23. National seminar on 'Conservation of Agro-Biodiversity in India - The role of Stakeholders' held from 27.12.2004 till 30.12.2004 organized by the School of Biosciences, Dr.GRDCS, Coimbatore- 641 014.
24. The 'Indo - Australian Conference on - Biotechnology in Infectious Diseases' from 1.3.2005till 3.3.2005, Organized by Manipal Academy of Higher Education, Manipal-576 104.
25. National Workshop on 'Recent Advances in Biosciences for School Teachers' organized by School of Biosciences, from 22.8.2005 till 25.8.2005 at Dr. GRDCS, Coimbatore - 641 014.
26. National Seminar on 'Nutraceuticals: Status and Prospects' on 23.9.2005 &24.9.2005, organized by School of Biotechnology, Dr. GRDCS, Coimbatore - 641 014.
27. National Seminar on Medicinal Plant Research - An Industrial Oriented Perspectives held on 21.6.2005 &22.6.2005 at Dr. GRDCS, Coimbatore - 641 014.
28. The one-day meet held at TNAU, Coimbatore, as a part of the project 'Action research to bring gender parity in Science and Technology' on 4.3.2005.
29. National Level Seminar on 'AIDS/HIV control and awareness for teachers, community leaders/counselors and researchers' held on 15.7.2005 &16.7.2005 at Dr. GRDCS, Coimbatore -641 014.
30. Course on Internal Auditing of Quality Management System ISO 9001:2000on 8<sup>th</sup> December 2006.
31. Workshop on 'Research Methodology' on 14.7.2006 &15.7.2006 at PSG Institute of Medical Sciences and Research, Coimbatore - 641 014.
32. Two day National Seminar on 'Research Methods for Biological Sciences' on 10.1.2007 & 11.1.2007, Dr. GRDCS, Coimbatore -641 014.
33. Three day Workshop in 'IPR at Institute of Bioinformatics and Applied Biotechnology' from 15.1.2007 till 17.1.2007, Bangalore - 560 100.
34. International Conference on 'Biomarkers in Health and Environmental Management', from 10.1.2007 till 12.1.2007 at PSG College of Arts and Sciences, Coimbatore - 641 014.
35. National Seminar on 'The Role of Siddha and Ayurveda in Geriatric Care' on 19.10.2009 &20.10.2009 at Dr. GRDCS, Coimbatore - 641 014.
36. Faculty Development Programme on 'Entrepreneurship Teaching and Curriculum Development' from 16.12.2009 till 23.12.2009 at Dr. GRDCS, Coimbatore - 641 014.
37. One day Workshop on 'Internal Quality Assessment and Assurance Cell' on 19.03.10 at Bharathiar University, Coimbatore- 641 046.
38. International Conference on 'Biotechnology and Global Warming ICBGW-2011', Vivekanandha College of Engineering for Women, Tiruchengodu- 637 205.
39. One day National seminar on 'Current Current Avenues in Nanobiotechnology' on 3.4.2011, Dr. GRDCS, Coimbatore -641 014.
40. National Symposium on 'Applications of Biotechnology In Medical Field –Current Scenario and Future Prospects' on 28.9.2011 & 29.9.2011, Organized by Department of Biotechnology, VMKV Engineering College, Salem- 636 308.

41. Two day workshop on “ Analysis of Biomolecules through Molecular Techniques” Organized by the School of Biosciences, Dr. G R Damodaran college of Science, Coimbatore- 641 014.
42. National level workshop on ‘Exam reforms’ on 3.2.2012 & 4.2.2012 organized by Ethiraj College for women, Chennai - 600 008.
43. Organized and participated in Two day workshop / FDP on ‘Quantitative DATA analysis with computer softwares’ on 22.1.2013 - 23.1.2013, organized at G R Damodaran Academy of Management, Coimbatore - 641 062.
44. National Seminar on ‘Biorevolution - A Promising Strategy’ on 13.2.2013 Organized by the Department of Biosciences, Sri Krishna Arts and Science college, Coimbatore - 641 008.
45. Two - Day National level conference on ‘Emerging novel avenues and opportunities in modern biological sciences’ on 1.3.2013& 2.3.2013, Organized by the Department of Microbiology, M R Government arts college, Mannargudi - 641 001, Thiruvarur.
46. National Seminar on ‘Probiotics in sustainable food production: Current status and future prospects’ on 15.3.2013 & 16.3.2013, Organized by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural Institute, Deemed University, Gandhigram - 624 302, Dindigul.
47. National conference on ‘Recent developments in Microbiology, Biochemistry & Biotechnology’ on 29.11.2013& 30.11.2013 organized by PSG College of arts and science, Coimbatore - 641 014.
48. SIHAM 2014, 10<sup>th</sup> National conference from 10.1.2014 till 12.1.2014 organized by Aravind Eye Hospital & Post graduate Institute of Ophthalmology & PSG Institute of Medical Sciences & Research, Coimbatore.
49. Two day UGC sponsored National workshop on ‘Assisted Reproductive Technologies and possible challenges on rights and status of women’ on 24.1.2014 & 25.1.2014 organized by the Department of Women’s studies, Bharathidasan University, Tiruchirappalli - 23 & Thrichy Obstetrics and Gynecological Society (TRIGOS) & ATFOG.
50. International conference on “Nanobio, biomimetic Materials and its Applications – GREEN GOO” on 27.2.2014 and 28.2.2014.
51. One day state level Seminar on ‘Newly Emerging Pathogens, Epidemic Diseases and their Management Challenges’ on 14.3.2014 sponsored by TNSCST and organized by the Research Department of Microbiology, M R Government Arts College, Mannargudi – 641 001.
52. National seminar on “Recent innovations in Biosciences- NS RIB’14 on 17.10.2014 at Dr. R V Arts and science College, Karamadai- 641 104, Coimbatore District.
53. One Day National Seminar on Contemporary Molecular Techniques and their potential applications in current applied biology on 30.1.2015 sponsored by University Grants Commission, New Delhi and organized by the Research Department of Microbiology, M R Government Arts College, Mannargudi – 641 001.
54. International conference on “Converging Biotechnological Innovations for Health, Food and Environmental Welfare” Organized by Department of Biotechnology, School of Biotechnology & Health Sciences, Karunya University.

55. State Level Seminar on “Micro Level Women Entrepreneurship in Biotechnology Applications” on 5 – 6, 2015, organized by School of Biotechnology Dr. G R Damodaran college of science, Coimbatore- 641 014.
56. National level seminar on “Genetic transformation – A research perspective” on 19.9.2016 – 20.9.2016 organized by the School of Biotechnology, Dr. G R Damodaran College of Science, Coimbatore –641014.
57. National level seminar on “Molecular markers in genetic disorders with special reference to Diabetes” on 5.1.2018 – 6.1.2018 organized by the School of Biotechnology, Dr. G R Damodaran College of Science, Coimbatore –641014.
58. Two day National level technical workshop on “Intellectual Property Rights” on 14.12.2017 – 15.12.2017 organized by the ICMR & Sri Ramakrishna College of Science, Coimbatore – 641 006.
59. International Conference on “Biosciences & Bioinformatics” on 14.12.2017 - 16.12.2017 organized by Department of Biosciences, Bharathiar University, Coimbatore – 641 046.
60. Science Academies Lecture Workshop on “Role of Science in Sustaining Bio-Resources” organized by the PG Department of Biotechnology on 25.7.2017 and 26.7.2017.
61. Workshop on Animal cell culture, on 4.9.2018 and 5.9.2018 organized by School of Biotechnology Dr. G R Damodaran college of science, Coimbatore- 641 014.
62. Workshop on Bioprocess Technology, on 23.8.2018 and 24.8.2018 organized by School of Biotechnology Dr. G R Damodaran college of science, Coimbatore- 641 014.
63. National Academic Depository (NAD) awareness / Training Programme on 25.7.2018, organized by Controller of Examinations, Bharathiar University, Coimbatore -641 046.
64. iCRAFT: International Conference on Recent Advances in Food Processing Technology on 17.8.2018 -19.8.2018 organized by Indian Institute of Food Processing Technology (IIFPT), Thanjavur.
65. One Day Workshop on Revised Assessment and Accreditation Framework of NAAC on 5.1.2019 organized by Principal’s Welfare Cell at Kathir College of arts and Science, Coimbatore.
66. National level seminar on the “ Food borne pathogenesis and its Bio-control” organized by School of Biotechnology Dr. G R Damodaran college of science, Coimbatore- 641 014.
67. National Level Seminar on Novel Microbial Technologies for Sustainable Development on 11.10.2019 – 12.10.2019 organized by School of Biotechnology, Dr. G. R. Damodaran College of Science, Coimbatore.
68. Faculty development programme on Managing the climate change on 29.6.2019 organized by Department of Computer science, Dr. G. R. Damodaran College of Science, Coimbatore.
69. One day workshop on Annular solar eclipse 2019, on 19.9.2019, organized by TNSTC, Chennai & Nehru Planetarium, New Delhi at Regional Science centre, Coimbatore-14.
70. International conference on “Bacteriophage Research and antimicrobial resistance” sponsored by SERB-DST, DBT, CSIR on 12.12.2019 and 13.12.2019 organized by VIT, Vellore and Society for Bacteriophage Research and Therapy.
71. Online faculty development program on “Outcome Based Education – A Paradigm shift” organized by the IQAC, Christ College of Science and Management from 4.6.2020 to 11.6.2020.

72. Organized and participated in the Webinar series on “Combating COVID – 19” on 7.8.2020 and 8.8.2020, at School of Biotechnology, Dr G R Dr. G. R. Damodaran College of Science, Coimbatore-14.
73. Resource Person for the Webinar on “Molecular Methods for male infertility investigations: A focus to Y Chromosome microdeletion screening” on 28.10.2020 organized by the Department of Biotechnology, Sri Ramakrishna college of Arts and Science College, Coimbatore – 641 006.
74. Online FDP on “OBE A paradigm Shift” organized by Christ college of Science and Management from 4.6.2020-11.6.2020.
75. Two day National level Interdisciplinary online Faculty Development Programme on “Lab Chip and Lab on paper” organized by the Department of Zoology, Sri G V G Visalakshi College for women, Udumelpet, Tamil Nadu, India during 10.5.2021 and 11.05.2021.
76. Five days FDP on NEW ERA OF BIOTECHNOLOGICAL RESEARCH organized by the Department of Biotechnology, Sree Narayana Guru College, Coimbatore, from 20th – 24th September, 2021.
77. One day webinar on “Finding of a drug – An Overview” Organized by the Department of Zoology and Research Centre, Aditanar College of Arts and Science, Virapandianpatnam on 30th June 2021.
78. “Laboratory Animal webinar Series (LAWS-2021)” – Organized by the Center for Laboratory Animal Technology and Research, Sathyabama Institute of Science and Technology, held virtually between 22nd and 27th November, 2021.
79. AICTE Sponsored One week short Term Technical Program on “Startup Driven Bioinnovation and IOT for sustainable Agritech” from 13th December to 18th December 2021, Organized by Department of Biotechnology, The Oxford College of Engineering, Bengaluru.
80. International webinar on “HACCP and ISO 2000:2018” held during 21.6.2021 organized by Department of Microbiology, Nehru Arts and Science College, Coimbatore.
81. DBT sponsored International webinar on “Quantification of Viral DNA by Digital droplet PCR” on 23.6.2021 Organized by Department of Biotechnology, Rathinavel Subramaniam College of Arts and Science (Autonomous), Sulur.
82. National webinar on “Vaccine Technology and Manufacturing in India” Organized by the institution’s innovation Council in Association with the Department of Pharmacology, Sree Vidyanikethan College of Pharmacy, Sree sainath nagar, Tripati held on 25.6.2021.
83. Webinar on “Food and Mood” organized by Department of Biotechnology, Sree Narayana Guru College, Coimbatore on 28.6.2021.
84. Five days Virtual International Faculty Development Program on “Scope and Development in Teaching & Research strategies in basic science” conducted by the Sri Ramakrishna College of Arts and Science, Coimbatore from 22-26, November, 2021.
85. International Video conferencing on “Phytomedicine – using plants as medicine in modern era” jointly organized by the Department of Botany & Library, PSGR Krishnamal College for Women, Coimbatore on 3rd January 2022.
86. Two days Virtual International conference on Multidisciplinary Aspects in chemistry, Sri Ramakrishna College of Arts and Science, Coimbatore, Tamil nadu, India during 20-21, January 2022.
87. Five day Workshop on “Building Interactive Dashboards” conducted by Skill Nation during 14th -19th June, 2022

88. National conference on Bioprospecting and Biotechnology held during 9th& 10th June 2022 at Arunai Engineering College, Trivannamalai, and Tamilnadu.
89. UGC-Approved Short-Term Professional Development Programme on, 'Implementation of NEP 2020 for University and College Teachers' held from November 18th to - 26th, 2022.
90. One day National Symposium on "Emerging and Re-emerging Pathogens- Antimicrobial Susceptibilities and Drug Resistance" held at the department of Biotechnology, Mercy College, Palakkad on 25th January, 2023.
91. 8th International Conference on "Recent Advances in Bioscience" held at KSG College of Arts and Science, Coimbatore, on 28.10.2022.
92. IPR awareness training program under National Intellectual Property awareness mission on 5th August, 2022.
93. IP awareness training program under National Intellectual Property awareness mission on 10.2.2023.
94. Two day National Workshop on Bio-Entrepreneurship and Innovation towards career opportunity organized by the Department of Zoology, PSGR Krishnammal College for Women, Coimbatore on 16th & 17th February, 2023.
95. International Conference on Multidisciplinary Aspects in Chemistry (ICMAC-2023) organized by the Department of Chemistry, Sri Ramakrishna College of Arts & Science, Coimbatore, Tamilnadu, India during 9 - 10, February 2023.
96. Certificate course on digital teaching techniques under R Systems Women Edutators Empowerment Edutators Programme held from 2.2.2023 to 17.2.2023 implemented by ICT Academy.
97. One Day Workshop on Outcome Based Education (OBE) organised by Dr. N.G.P Arts and Science College, Coimbatore in association with IPSR Solutions Limited on 04 March 2023
98. International Webinar Series on "Recent Advances in Biological Research" organized by the Department of Botany, PSGR Krishnammal College for Women, Coimbatore on 23rd & 24th March 2023.
99. International Webinar on "Discovery of Medicines" on 27/03/2023 organized by Department of Chemistry, SKR Government Degree College (W) Rajamahendravaram.
100. XIV Louis Pasteur International Symposium on " Role of Multidisciplinary Research in Microbiology for sustainable Development (RMSD-2023) held on March 9-10, 2023 organized by Department of Microbiology, Dr. NGP Arts and Science College, Coimbatore – 48.
101. Professional development workshop on "Digital Creativity Skills" as a part of Adobe Academic Essentials Program".
102. Lecture Session on " Entrepreneurial Skill development in Seaweed Cultivation" jointly organized by the Department of Biotechnology & Institution Innovation Council, PSGR Krishnammal College for Women, Coimbatore held on 07.07.2023.
103. National level seminar on waste Management & Waste Valorization through Innovative Bio-Inspired Technologies on 28.7.2023 Organized by the Department of Biotechnology, Institutional Innovation Council, RVS College of Arts and Science, Coimbatore.
104. Marina '23- International Conference on "Expedition of Bioprospecting and its Emerging Trends" (ICEBET-2023) on 30.9.2023, Organized bt the Department of biotechnology, Dr. NGP Arts and Science College, Coimbatore.



105. Four Weeks International Online Certificate course on “ Medicinally important Bacteria (Phase I)” Organized by the Department of Microbiology, Sacred Heart College ( Autonomous), Tirupattur, Tamil Nadu in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janerio State Universityb (UEZO), Rio de Janeiro, Brazil from 09.10.2023 to 08.11.2023 – Completed with Distinction.
106. International Seminar on “Innovations in Bacterial Signaling Dynamics: Driving Forces in Biohydrogen and Biomethane production” jointly organized by the Department of Biotechnology, Institutional innovation Council & Cemtre of Excellence in Life Sciences, PSGR Krishnammal College for Women, Coimbatore on 11.01.2024.
107. National workshop on NEP- 2020: “Opportunities and Challenges of HEIs in achieving Gross Enroment Ratio (GER) in creating Human Resources to the paradigm Industry requirements” Sponsored by Indian Council of Social Science Research, New Delhi Organized by Faculty of Commerce, Management & Humanities, Dr. Dr. NGP Arts and Science College, Coimbatore on 16.02.2024.
108. A week long hands on Training programme on Metagenomics Data analysis held from 8.6.2024 to 12.7.2024 organized at school of Biotechnology, Dr G R Damodaran College of Science, Coimbatore.
109. Workshop on In-silico prediction of phytochemical activities, ADMETOX and Molecular Docking Studies organized by the Department of Biotechnology under the DBT star college scheme on 7.10.2024 -9.10.2024.
110. Webinar on Marine research for biomanufacturing on 21.3.2025, organized by DBT BIRAC.
111. Webinar on Bioenablers-Biofoudries and Biomanufacturing Hubs on 21.2.2025, organized by DBT BIRAC.
112. Webinar on Biomanufcaturing of Enzymes under the webseries on Biofoundry and Biomanufacturing Initiative of the DBT BIRAC on 27.12.24 organized by DBT BIRAC.
113. BIONEXUS webinar on Topic on mare than a degree: The Evolving needs of the Biotech sector on 15.2.2025.

#### **Conference / Seminar / Workshop Organized**

1. “Biofocuz 2008 – spotlight on sience” sponsored by TNSCST, Chennai and New Delhi on 20.1.2010.
2. Three day National Seminar on “The applications of Chromatography for Bioscience Explorations related to Defence Research” on December 5-7, 2012.
3. Natinal level Seminar on the “Food borne pathogens and its Bio-control” January 10-11, 2019.
4. A National level Seminar on the “Novel Microbial technologies for sustainable development” on October 11-12, 2019.
5. National level seminar on “Molecular markers in genetic disorders with special reference to diabetes” on January 5-6, 2018.
6. National level seminar on “Genetic transformation- A research perspective” on September 19-20, 2016.
7. A National level seminar on “Microlevel women Entrepreneurs in biotechnology applications” on February 5-6, 2016.

### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

1. Co- Chairperson of the National symposium on 28.1.2004 at the national Symposium on Recent trends in Applied Biology organized by Avinashilingam Deemed University, Coimbatore.
2. Inaugurated the activities of the Botany Association of Mercy College and delivered a lecture on “Milestones in Biotechnology” on 1.8.2005 at Mercy College, palakkad.
3. Guest speaker on the topic”Bioprocess Technology” on 9.10.2010 at Nallamuthu Gounder Mahalingam College, Pollachi.
4. Innagurated te activities of Zoology association for the academic year 2011-2012 at Nallamuthu Gounder Mahalingam College,Pollachi
5. Guest lecture on “Microbial pigment as a potential natural colorant” on 4.10.2018 at the Department of Biotechnology, Vivekanandha Arts and Science College for Women, Sankari, Salem Dt.

### **Member in Board of Studies**

1. Chairman, Board of Studies - Biotechnology, Dr. G R Damodaran College of Science, Coimbatore, 2008-2022.
2. Member BoS, Karpagam Arts and Science College, Coimbatore - 2005
3. Chairman, Biotechnology Board, Bharathiar University, Coimbatore, 2015
4. University nominee and Member, Board of Studies for Biotechnology, Department at ShriKrishna College of Arts and Science, Coimbatore -2011
5. Member, Board of studies, Biotechnology Department, RVS College of Arts & Science, Coimbatore -2015
6. Member, Board of Studies, Biotechnology Department, Hindustan Arts & Science College, Coimbatore-2016
7. Member, Board of Studies, Biotechnology Department, Sri Ramakrishna College of Arts and Science College, Coimbatore- 2019
8. Chairman, Biotechnology Board, Bharathiar University, Coimbatore, 2022
9. Member, PG Biotechnology Board, Bharathiar University, Coimbatore, 2022

### **Membership in Professional Bodies**

1. Contrller of Examinations at Dr. G R Damodaran College of Science, Coimbatore from 23.2.2011 till 15.9.2022
2. Adviser / Co-ordinator of the DST-EDC from January1, 2011
3. Member, Commission for approval of the increase in intake, permanent affiliation, and starting new course in the Bharathiar University – RVS College,2015
4. Member of the Governing council of the college under Autonomous Scheme at Dr. G R Damodaran College of Science, Coimbatore since 2010.
5. External examiner for the University Practical Examinations April 2010.
6. Member, Commission for approval of the permanent increase in intake to MPhil and PhD in Biotechnology appointed by Bharathiar University – Kongunadu Arts and Science College, Coimbatore – 5.4.2011

7. Member, Advisory Committee meeting of the UGC Women' at Dr. G R Damodaran College of Science, Coimbatore – 2011.
8. Assistant Camp officer for vthe central valuation Bharathiar University, December, 2011.
9. Co-ordinator for the study material preparation for NET/SLET coaching classes – 30.8.2012.
10. Member, Academic council at Dr. G R Damodaran College of Science, Coimbatore, From 2008-2022.
11. Member, BoS for PG Diploma in Robotics at Dr. G R Damodaran College of Science, Coimbatore on 5.12.2013.
12. Member of the Advisory Board of the EDC-DST at Dr. G R Damodaran College of Science, Coimbatore since 3.5.2010.
13. Member, Doctoral Committee, Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam, Alankombai, Erode.
14. Member Board of Management/ College committee at Dr. G R Damodaran College of Science, Coimbatore – 27.9.2021.
15. Member standing committee of the Academic council at Dr. G R Damodaran College of Science, Coimbatore, From 2008-2022.
16. Member Examination committee at Dr. G R Damodaran College of Science, Coimbatore, From 2008-2022.
17. Member of the commission for approval of the increase in intake, permanent affiliation, and starting new course in the Bharathiar University- 2023- AVP College of Arts and Science, Poondi, Tirupur.

#### **Editorial / Review Board Member**

1. World Journal of Urology
2. Archives of Medical Research
3. African journal of Pharmacy and Pharmacology
4. Reproductive Biology and Endocrinology
5. Cell Journal
6. Journal of ZhejiangUniversity
7. Bioremediation Journal
8. Asian Journal of Andrology
9. Global Journal of Obesity, Diabetes and Metabolic Syndrome
10. British Microbiology Research Journal
11. GENE
12. Premier Publishers
13. Journal of Cancer Research and Therapeutics
14. Integrated Medical and Clinical Case Reports
15. Approaches in Poultry, Dairy & Veterinary Sciences
16. International Journal of Pharma and Bio Sciences
17. Biotechnology Reports
18. Current Journal of Applied Science and Technology
19. Journal of Pure and applied Microbiology
20. Asian food Science Journal
21. The open public health journal
22. Journal of Advances in Microbiology
23. Molecular Biotechnology
24. Journal of Complementary and Alternative medical research.
25. Asian Journal of research in Biochemistry
26. Journal of Zhejiang University SCIENCE B
27. Asian Journal of Research in Animal and Veterinary Sciences

## Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
BHARATJYOTHI AWARD	India International Friendship Society (IIFS)	2012
BEST CITIZENS OF INDIA AWARD	India International Friendship Society (IIFS)	2012
BEST PROFESSOR IN BIOTECHNOLOGY STUDIES AWARD	World Education Congress	2019
INDIRA PARIKH 50 WOMEN IN EDUCATION LEADERS AWARD	World Education Congress	2022
13 <sup>TH</sup> ANNUAL WOMEN ACHIEVER AWARD	Avinashilingam Institute for Home Science and Higher Education for Women	2025