

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF BIOCHEMISTRY



1.	Name of the Staff	Dr.S.MOHANASUNDARAM
2.	Designation	ASSISTANT PROFESSOR
3.	Date of Joining	05.08.2019
4.	Mobile Number	+91 – 8870903888
5.	E-Mail ID	smohanasundaram@sankaracollege.edu.in sbmohan2007@gmail.com
6.	Nationality	Indian
7.	Academic Qualification	M.Sc., M.Phil., Ph.D
8.	Field of Specialization	Functional Foods & Clinical Pharmacology
9.	Title of Ph.D Thesis	Studies on Hypoglycemic and Hypolipidemic effects of 50% hydroethanolic extract of <i>Senna alata</i> L leaves in Streptozotocin induced Diabetic rats
10.	Awarding University & Year of Award	Bharathiar University, 2017

11. Work Experience (in Chronological order):

S.No	Name of the Institution	Designation	Period
1.	Department of Biotechnology, Karpaga Vinayaga College of Engineering and Technology	Assistant Professor	01.06.2009 to 25.05.2019
2.	Department of Biochemistry, Sri Sankara Arts and Science College	Assistant Professor	02.08.2019 to Till Date

12. Other Academic and Administrative Responsibilities:

S.No	Name of the Institution / Committee	Position	Period
1.	Karpaga Vinayaga College of Engineering and Technology	Member, NAAC Steering Committee	2017 - 2019
2.	Karpaga Vinayaga College of Engineering and Technology	Placement Coordinator - Biotechnology	2012 - 2019

13. Publications

S.No	Title	Journal	Pages
1.	GC-MS Identification of Anti-inflammatory and Anticancer Metabolites in Edible Milky White Mushroom (<i>Calocybe indica</i>) against Human Breast Cancer (MCF-7) Cells	Res.J Pharm and Tech (SCOPUS, UGC)	Vol. 13, No. 8 Pp –xx
2.	UV Spectrophotometry and FTIR analysis of Phenolic Compounds with Antioxidant Potentials in <i>Glycyrrhiza glabra</i> and <i>Zingiber officinale</i>	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	12 (1), 877-883
3.	Additive inhibitory effect of the peels of Citrus limon and <i>Citrus sinensis</i> against amylase and glucosidase activity	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	11 (4), 6876-6880
4.	Pharmacological analysis of hydroethanolic extract of <i>Senna alata</i> (L.) for in vitro free radical scavenging and cytotoxic activities against HepG2 cancer cell line	Pak. J. Pharm. Sci., (PUBMED, SCIE, SCOPUS, UGC)	Vol.32, No.3, pp.931-934
5.	In Vitro Antifungal Study of Green Synthesized Silver Nanoparticles from <i>Acacia nilotica</i> Leaves Extract against Plant and Human Pathogens	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	10(1), 677-685
6.	Analysis of hydroethanolic leaf extract of <i>Aerva</i>	Int. J. Res. Pharm. Sci.	9(3),

	<i>lanata</i> (L) in screening antioxidant activity and invitro antibacterial efficacy	(SCOPUS, UGC)	911-915
7.	Acetaminophen induced Nephrotoxicity in experimental albino rats – Histopathological study	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	9(3), 907-910
8.	Various chemical groups produced by endophytic fungi isolated from the <i>Calotropis procera</i> – A pharmaceutically important xerophytic plant	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	9(1), 82-85
9.	Optimization of Production of Extracellular Keratinase using <i>Streptomyces sp.</i> Isolated from poultry plant soil	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8(3), 285-290
10.	HPLC and GC-MS: Identification and Quantification of Strychnine and Brucine in <i>Strychnos Nux-Vomica</i> leaves	Pak. J. Pharm. Sci., (PUBMED, SCIE, SCOPUS, UGC)	Vol.30, No.6(Suppl), pp.2369-2373
11.	Endophytic fungi a novel source of bioactive compounds for Pharmaceutical industry	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8(3), 439-422
12.	Cytotoxic Evaluation of endophytic fungal extract obtained through static fermentation against Human Larynx Cancer Cell Line (HEp2)	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8(3), 390-392
13.	Deciphering the Cytotoxic Activity of <i>Annona squamosa</i> Iron Oxide Nanoparticles against selective Cancer Cell Line	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8 (2): 259 – 263
14.	Phytochemical Analysis and Invitro Antioxidant Screening of Sea Grass- <i>Enhalus acoroides</i>	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8 (2): 251 – 258
15.	Analysis of Strychnine and Brucine in hydroethanolic extract of <i>Strychnos Nux – Vomica</i> leaves by using HPTLC	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8 (1): 78 – 81
16.	GC-MS analysis of bioactive compounds and comparative antibacterial potentials of aqueous, ethanolic and hydroethanolic extracts of <i>Senna alata L</i> against enteric pathogens	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	8 (1): 22 – 27
17.	Hepato-renal protective effects of hydroethanolic extract of <i>Senna alata</i> on enzymatic and non-enzymatic antioxidant systems in streptozotocin induced diabetic rats	Integrative Medicine Research (SCIE, PUBMED, SCOPUS, UGC)	5: 276–283
18.	Biological active compounds with various medicinal values of <i>Strychnos Nux-vomica</i> – A Pharmacological summary	J Global Trends Pharm Sci (Google Scholar, UGC)	7(1): 3044-3047

19.	Phytochemical screening, quantification and in vitro antidiabetic activity of <i>Strychnos nux-vomica</i> leaf extract	J Global Trends Pharm Sci (GoogleScholar, UGC)	6(4): 2892 – 2898
20.	Analysis of hydroethanolic extract of <i>Senna alata</i> (L.) to screen bioactive compounds with inhibitory activity on lipid peroxidation, in vitro antibacterial and antidiabetic efficacy	Int. J. Res. Pharm. Sci. (SCOPUS, UGC)	6(1): 1360-1366
21.	Biochemical properties and bioactive compounds with multiple therapeutic values of <i>Senna alata</i> (L.), an ornamental shrub from the botanical family of Fabaceae (Leguminosae) - A pharmacological overview	Int. J. of Curr. Res. (Google Scholar)	7, Issue, 12, pp. 23892- 23896
22.	Immunological observations on glial cell neoplasm with current promising molecular therapeutic options	Int. J. of Curr. Res. (Google Scholar)	Vol. 7, Issue, 02, pp.12325- 12331
23.	Phytochemical Screening and Antimicrobial Activity of <i>Thespesia populnea</i> linn	IJPPR (Google Scholar)	Vol 6, Issue 1: 7-10
24.	Determination of Invitro antioxidant poency, antibacterial efficacy, antifungal and phytochemical activity of <i>Withania somnifera</i>	IJIPSR (Google Scholar)	2(2): 610 – 619
25.	Comparative study in larvicidal efficacy of medicinal plant extracts against <i>Culex quinquefasciatus</i>	International Journal of Research in Plant Science	4(1): 22-25
26.	Production and partial characterization of Extracellular Glucose Isomerase using Thermophilic <i>Bacillus</i> sp. isolated from agricultural land	Biocatalysis and Agricultural Biotechnology (ESCI, SCOPUS, UGC)	Vol.2, pg.45-49
27.	Studies on Larvicidal Activity of <i>Leucas aspera</i> , <i>Vitex negundo</i> and Eucalyptus against <i>Culex quinquefasciatus</i> collected from Coovum River of Chennai, India	Asian J Pharmaceutical Sci. and Clin. Res. (SCOPUS, UGC)	Vol 5 Suppl 3, 1-4
28.	Evaluation and Comparison of Antioxidant Enzymes from Different Local Varieties of Banana (<i>Musa</i> sp.)	Res. & Rev.: A J Food Sci and Tech (Google Scholar)	Vol 2 Issue 2, 1-8
29.	Studies on rate of Biodegradation of Vegetable oil (Cocunut oil) by using <i>Pseudomonas</i> sp	International Journal of Environmental Biology	Vol 2, Issue 2, 12-19

30.	Studies on removal of Malachite green from the aqueous solution by sorption method using water Hyacinth- <i>Eichornia crassipes</i> roots	Journal of Biodiversity and Environmental Sciences (Google Scholar)	Vol 2, No.1, pg 1-8
31.	Invitro studies on Antioxidant properties of different local varieties of Banana (Musa sp).	International J. of Pharma and Biosciences	Vol 2 Issue 5, 634-644
32.	Studies on phytochemicals, antibacterial efficacy and antioxidant potency of <i>Capparis sepiaria</i> on enteric pathogens	International J. of Biomolecules and Biomedicine (Google Scholar)	Vol 1 No. 3, p. 01-07
33.	Studies on Phytochemicals, Antibacterial and Antioxidant effects of leaf extracts of <i>Lamprachaenium microcephalum</i>	Journal of research in Biology (Google Scholar)	Vol.4: 279-284
34.	Studies on invitro Antibacterial, Antifungal property and antioxidant potency of <i>Murraya paniculata</i>	Pakistan J Nutrition (SCOPUS, Google Scholar)	10 (10): 925-929
35.	Studies on the Assay of Digestive Enzymes in the Gut Extracts and Gut Bacterial Population in the Vermicomposting earthworm <i>Lampito mauriti</i>	International J. of Gen. Engineering and Biotechnology (Google Scholar)	Vol 2, Num 2, pp. 125-131
36.	Studies on Phytochemicals, Antioxidant Efficacy and In Vitro Antibacterial Activity of <i>Flacourtia ramontchi</i>	Global J. of Biotech. and Biochemistry Research (Google Scholar)	Vol 1, Num 1, pp. 1-10
37.	Studies on Antioxidant potency and In Vitro Antibacterial Efficacy of <i>Mirabilis jalapa</i> on enteric pathogens.	International J. of Gen. Engineering and Biotechnology (Google Scholar)	Vol 1, Num 1, pp. 193-198

14. Awards / Distinction:

S.No	Name of the Award / Distinction	Agency / Institution	Period
1	284 th Rank in Senior Level National Biotechnology Talent Search Examination	Pharma Helpline Foundation	2010
2	9 th Rank in B.Sc Biochemistry	University of Madras	2006

15. Membership in Professional Bodies:

S.No	Name of the Membership	Venue	Period
1.	Life Member in International Society for Infectious Diseases (ISID)	USA	Life Time
2.	Life Member in European Federation of Biotechnology (EFB)	Spain	Life Time
3.	Life Member in Asian Federation of Biotechnology	South Korea	Life Time
4.	Life Member in Society of United Lifescience students (SOULS)	India	Life Time
5.	Associate Member in International Society of Quality Environment & Management (ISQEM)	UK	2016-2018

16. Seminars Conferences organized / Participation:

S.No	Programme Attended	Place	Organized / Participated	Period
1.	2nd International Conference on Advances in Medical Science and Molecular Biology	Idhaya College for Women, Kumbakonam	Participated	Jan, 2020
2.	National Seminar on Recent Trends in Life Sciences	Bhaktavasalam Memorial College for Women, Chennai	Participated	October 2019
3.	International Conference on Mycology and Mycotechnology	Mother Teresa Women's University, Kodaikanal	Participated	Jan, 2019
4.	International Conference on Current trends in Diagnosis and Therapeutics for Lifestyle diseases	Centre for Biotechnology, Anna University, Chennai, TamilNadu	Participated	Feb 2018
5.	International Conference on Applications of Natural products and Opportunities Ahead	School of Lifesciences, B.S.Abdur Rahman University, Chennai and University of East London, UK	Participated	August, 2016
6.	National Conference on Applications of Recent methodologies in exploring revolutionary Biopharmaceuticals for Lifestyle diseases	Dept. of Biotechnology, KVCET, Kancheepuram – Dist	Participated	March, 2016
7.	5th International Conference on Technology development on Agriculture, Energy and Environmental Engineering for Green world	Dept. of Biotechnology, Vivekanandha College of Engineering for Women, Namakkal	Participated	February, 2016

8.	12th National Biological Congress on recent advances in Biological Sciences towards sustainable development	Dept. of Biological sciences, Muthayammal College of Arts and Science, Rasipuram	Participated	Jan, 2015
9.	International Conference on Recent Biotechnological Advancement and Utilization of Natural Resources for Betterment of Mankind	Dept. of Biotechnology, KVCET, Kancheepuram – Dist	Participated	Jan, 2015
10.	National Conference on Applications of Radioactive Isotopes in Modern Healthcare and Energy Demand in India	Dept. of Biotechnology, KVCET, Kancheepuram – Dist	Participated	Sep, 2014
11.	National Symposium on Recent Trends in Industrial Safety and Occupational Health	Dept. of Biotechnology, KVCET, Kancheepuram – Dist	Participated	August, 2013
12.	International Conference on Emerging Trends in Bioengineering	SASTRA University, Tanjore	Participated	August, 2013
13.	National Technical Symposium - JET HELIX-2013	Jeppiar Engineering College, Chennai	Participated	March, 2013
14.	National Conference on Phytomedicine	Bharathiar University, Coimbatore	Participated	Oct, 2012
15.	7th National Technical Symposium	Arunai Engineering College, Tiruvannamalai	Participated	Feb, 2012
16.	National Seminar on Herbal Remedies & Health management	Department of Biochemistry, Indo-American College, Cheyyar	Participated	March, 2012
17.	National Conference on Biomedical Engineering	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai	Participated	Aug, 2012
18.	International Conference on Environment, Genes, Health and Diseases	Bharathiar University, Coimbatore	Participated	Dec, 2011
19.	National Symposium on Current Perspectives in Animal Biotechnology	Bharathidasan University, Trichy	Participated	Feb, 2011
20.	National Seminar on Diagnosis of Infectious Diseases by Molecular Biological Methods	Bharathidasan University, Trichy	Participated	Nov, 2010
21.	International Seminar on Frontiers of Stem Cell and Biotechnology in Human & Veterinary Medicine	Tamilnadu Animal and Veterinary Sciences University, Chennai	Participated	July, 2010
22.	Seminar on Future Trends in Biochemistry	Annai Theresa Arts and Science College, Thirukkalukundram	Participated	Jan, 2008

23.	National Symposium on emerging trends in Cancer	Sri Sankara arts and Science College, Kanchipuram	Participated	Oct, 2006
24.	National Seminar on Molecular Basis of Diseases – Current perspectives and Future Frontiers	Department of Biochemistry, University of Madras, Chennai	Participated	March, 2006
25.	State Level Seminar on Molecular basis of Diseases in Biochemistry	Prof. Dhanapalan College for Women, Chennai	Participated	Aug, 2004

17. Participated as Resource Person:

S.No	Program	Venue	Period
1.	National Seminar on Herbal Remedies & Health management	Department of Biochemistry, Indo-American College, Cheyyar	01.03.2012
2.	Seminar on Future Trends in Biochemistry	Annai Theresa Arts and Science College, Thirukkalukundram	10 – 12 th Jan, 2008

18. Workshop & Training Programmes:

S.No	Programme	Venue	Period
1.	Workshop on Molecular Techniques	Department of Biotechnology, Prof. Dhanapalan College for Women, Chennai	January, 2008
2.	In-plant Training on Cloning and Expression of Cephalosporin Gene	R & D Centre, Orchid Chemicals & Pharmaceuticals, Chennai	March, 2008

19. List of Webinars attended

S.No	Programme	Institution	Year
1.	International Webinar on “Next Generation Sequencing Methodologies & Applications”	Bhaktavatsalam Memorial College for Women, Chennai	25.05.2020
2.	International Webinar on Bioinformatics in Microbiome Research Climate, Biomes and India	St. Mary’s College (Autonomous), Thoothukudi	17.05.2020
3.	National Webinar on “ Patenting Inventions in India ”	Ethiraj College for Women (Autonomous), Chennai	16.05.2020
4.	International Webinar on ‘ITC and its Data Analysis using Dynamic Approach’	Karpagam University, Coimbatore	18.05.2020
5.	Online Short - Term Course on The Basics Of Immunotherapy	Mahalashmi Women’s College of Arts & Science, Chennai	18 – 21 st May, 2020

6.	Webinar “Guidelines for the management of health and hygiene in COVID-19 pandemic”	SRM Arts and Science College, Chennai	18.05.2020
7.	National Webinar on Biodiversity informatics and documentation through Citizen Science on the India Biodiversity Portal	St. Xavier’s College for Women, Aluva, Kerala	22.05.2020
8.	Webinar on Next-Generation Genomics for Crop Improvement to Address Hunger and Malnutrition During Covid-19	VELS University, Chennai	21.05.2020

20. List of FDP attended

S.No	Programme	Institution	Duration
1.	FDP on LaTeX	Indian Institute of Technology, Bombay (IIT-B).	25.05.2020 to 31.05.2020
2.	Govt. of India sponsored Faculty Development on ICT Tools for Teaching, Learning process and Institutes	Electronics and ICT Academy, IITDM – Jabalpur in association with Sri Sankara Arts and Science College, Kanchipuram	13.01.2020 to 17.01.2020
3.	FDP on Project Proposals for Funding Agencies: Preparation and Submission Protocol	Patrician College of Arts and Science, Chennai	16.05.2020 to 17.05.2020
4.	FDP on “E-content Development for Higher Education”	Karpaga Vinayaga College of Engineering and Technology, Maduranthagam	23.05.2020
5.	Govt. of India sponsored FDP on Entrepreneurship	Karpaga Vinayaga College of Engineering and Technology, Maduranthagam	12th June to 24th June, 2017
6.	FDP on Instructional Design & Delivery	Society for Educational and Entrepreneurship Development (SEED), Chennai	18th June to 22nd June, 2013
7.	FDP on Ripple 2011	Anna University-Chennai & CTS, Chennai	17th & 18th February, 2011

21. Projects / Grants Received:

S.No	Name of the Projects / Grants	Period	Grant Received / Status
1.	Received INR-50000 from the Dept. of Biotechnology, Govt. of India to organize a National Conference on	March, 2016	Completed & UC submitted

	Revolutionary Biopharmaceuticals, 2016		
2.	Received INR-75000 from the Dept. of Biotechnology, Govt. of India to organize a National Conference on Radioactive isotopes, 2014	March, 2014	Completed & UC submitted
3.	Received INR-50000 from the Dept. of Biotechnology, Govt. of India to organize a National Conference on Food Safety Diseases, 2012	March, 2010	Completed & UC submitted

22. Any other information

S.No	Name of the Journal	Indexed in	Designation
1.	Research Journal of Pharmacy and Technology	SCOPUS, UGC-CARE	Associate Editor
2.	International Journal of Biology, Pharmacy and Applied Sciences	Web of Science (ZR), UGC-CARE	Member – Editorial Board