

**SRI SANKARA ARTS & SCIENCE COLLEGE**

**ENATHUR, KANCHIPURAM**

**STAFF PROFILE**

**DEPARTMENT OF BIOCHEMISTRY**

<b>1.</b>	<b>Name of the Staff</b>	<b>V.SAMPATH</b>
<b>2.</b>	<b>Designation</b>	<b>ASSISTANT PROFESSOR</b>
<b>3.</b>	<b>Date of Joining</b>	<b>05.06.2007</b>
<b>4.</b>	<b>Mobile Number</b>	<b>9843372876</b>
<b>5.</b>	<b>E-Mail ID</b>	<b><u>sampathbio@sankaracollege.edu.in</u></b> <b><u>sampathbio999@gmail.com</u></b>
<b>6.</b>	<b>Nationality</b>	<b>INDIAN</b>
<b>7.</b>	<b>Academic Qualification</b>	<b>M.Sc., M.Phil., D.M.L.T., SET</b>
<b>8.</b>	<b>Field of Specialization</b>	<b>CANCER BIOLOGY and CYTOGENETICS</b>
<b>9.</b>	<b>Ph. D Thesis Title</b>	<b>NIL</b>
	<b>Awarding University, Year of Award.</b>	<b>NIL</b>

**10. Work Experience (in chronological order):**

<b>S. No.</b>	<b>Name of the Institution</b>	<b>Designation</b>	<b>Period</b>
<b>1.</b>	Adhiparasakthi College of Arts & Science, Kalavai.	Lecturer in Biochemistry	2005 to 2007
<b>2.</b>	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Assistant Professor, Department of Biochemistry,	2007 to till date

## 11. Other Academic and Administrative Responsibilities:

S. No.	Name of the Institution/Committee	Position	Period
1.	Sri Sankara Arts and Science College, Enathur, Kanchipuram - Examination Committee	Member	2007-11 2017-18
2.	Sri Sankara Arts and Science College, Enathur, Kanchipuram - Attendance Committee	Member	2012-13
3.	Sri Sankara Arts and Science College, Enathur, Kanchipuram - Stock verification Committee	Member	2017-18
4.	Sri Sankara Arts and Science College, Enathur, Kanchipuram - Academic Audit Committee	Member	2016-2017 2017-2018
5.	Sri Sankara Arts and Science College, Enathur, Kanchipuram – Community Radio Service-Committee	Member	2020-21
6	Sri Sankara Arts and Science College, Enathur, Member, Diploma in Medical Laboratory Technology, Value added course.	Member	2014-till date
7.	Sri Sankara Arts and Science College, Enathur, Member, Diploma in Food Safety and Quality Management, Value added course.	Member	2018-2019 2023-2024

## 12. Publications: Research and Review Paper publication Details

S.No.	Title	Journal	Pages
1.	Synergistic effect of piper longum extract with ciprofloxacin on MRSA	International Journal of Pharmaceutical Research and Development. 2012; Vol 4 (04), 209-215, (ISSN: 0974 – 9446), <b>(Impact Factor: 2.01).</b>	209-215
2	Spectral Studies and Biochemical Evaluation of Citrus limon Pulp.	International Journal of Pharmacognosy and Phytochemical Research 2018; 10(6); 246-253, <b>(ISSN: 0975-4873).</b>	246-253
3	The Inhibitory Effect Of <i>Costus igneus</i> Leaf Extract On Salivary Amylase And Pancreatic Amylase Activities	Journal of Emerging Technologies and Innovative Research (JETIR). May 2019; Vol 6 (5); 56-63, ((ISSN-2349-5162). (Impact Factor : 5.87)	56-63
4	Additive inhibitory effect of the peels of <i>Citrus limon</i> and <i>Citrus sinensis</i> against amylase and glucosidase activity.	International Journal of Research in Pharmaceutical Sciences. 2020, 11(4), 6876-6880. ISSN: 0975-7538,	6876-6880
5	UV Spectrophotometry and FTIR analysis of Phenolic Compounds with Antioxidant Potentials in <i>Glycyrrhiza glabra</i> and <i>Zingiber officinale</i> .	International Journal of Research in Pharmaceutical Sciences. 2021, 12(1), 877-883. ISSN: 0975-7538.	877-883
6	Approach to Diabetes Diagnosis: A Review.	Emperor Journal of Life Science Research. April 2021; Vol 1 (1); 31-37.	31-37
7	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.	Research Journal of Pharmacy and Technology (2021) <b>(SCOPUS &amp; UGC)</b>	4300 - 4306
8	GC-MS and HPLC analysis of antiglycogenolytic and glycogenic compounds in kaempferol 3-O-	Translational Metabolic Syndrome Research (2021) (4) 10-17 <b>DOI: <a href="https://doi.org/10.1016/j.tmsr.2021.07.001">https://doi.org/10.1016/j.tmsr.2021.07.001</a>.</b>	10-17

	gentiobioside containing <i>Senna alata</i> L leaves in experimental rats.		
9	In silico prediction of interactions and molecular dynamics simulation analysis of Mpro of Severe Acute Respiratory Syndrome caused by novel coronavirus 2 with the FDA-approved nonprotein antiviral drugs.	Journal of Applied Pharmaceutical Science Vol. 12(05), 104-119. <b>DOI: 10.7324/JAPS.2022.120508 (Scopus Indexed)</b>	104-119
10	Extraction of Chitin and Chitosan from Prawn Shell Waste.	Bulletin of Environment, Pharmacology, and Life Sciences Bull. Env. Pharmacol. Life Sci., [1] <b>2022</b> : 557-562.	557-562
11	New record of Dictyota bartayresiana, a marine brown algal species revealed from Rich Seaweed Diversity Area of South India.	Journal of Coastal Life Medicine. Vol. 11: (1) <b>2023</b> : 825-830.	825-830
12	SnS <sub>2</sub> Nanosheets as Next-Generation Artificial Enzymes for Colorimetric Bio-sensing of L-cystine Towards Diabetic Management and Ease of Inflammatory Diseases.	International Conference on Biomedical Engineering and Computing Technologies (ICBECT '22) ( <b>2023</b> ) AIP Conf. Proc. 2603, 040005-1–040005-7; <a href="https://doi.org/10.1063/5.0126202">https://doi.org/10.1063/5.0126202</a> <b>(Scopus Indexed)</b>	040005-1 to 040005-7
13	Advancing Crop Improvement Through CRISPR Technology in Precision Agriculture Trends-A Review.	International Journal of Environment and Climate Change. Volume-13, Issue-11, 4683-4694, 2023; Article no.IJECC.110241 ISSN: 2581-8627. DOI: 10.9734/IJECC/2023/v13i113647.	4683-4694
14	Molecular Docking, Dynamics Simulations, ADMET, and DFT Calculations: Combined In Silico Approach to Screen Natural Inhibitors of 3CL and PL Proteases of SARS-CoV-2.	Cellular Microbiology. Volume-2024, Issue-1, Page 1-19, 2024; Article-ID-6647757, ISSN: 1462-5822. DOI: <a href="https://doi.org/10.1155/2024/6647757">https://doi.org/10.1155/2024/6647757</a> <b>(SCI PAPER)</b>	1-19
15	Exploring the Complex Relationship Between Insulin Resistance, Lipid Metabolism, and Cardiovascular Risk.	Journal of Population Therapeutics and Clinical Pharmacology. Vol.31 Issue-2 (2024): Pages 185-206. ISSN: 1710-6222. DOI: 10.53555/jptcp.v31i2.4324	185-206
16	Exploring Emerging Therapeutic Approaches For Alzheimer's Disease: A Focus On Targeting Neuroinflammation And Molecular Pathways.	Journal of Population Therapeutics & Clinical Pharmacology. Vol. 31(2) (2024): Pages 2102-2111. DOI: 10.53555/jptcp.v31i2.4584	2102-2111
17	Exploring The Efficacy Of Dietary Interventions In Neurological Disorders: A Systematic Analysis..	Journal of Advanced Zoology. Volume 45 Issue S-3 Year (2024) Page 349-356.ISSN: 0253-7214. DOI: <a href="https://doi.org/10.53555/jaz.v45iS3.4487">https://doi.org/10.53555/jaz.v45iS3.4487</a>	349-356
18	Phytochemical Analysis, Antioxidant Properties and Vermicidal Activity of Flower Extract of Delonix regia.	International Journal of Zoological Investigations Vol. 10 (Special Issue 1), 46-57 (2024); ISSN: 2454-3055. DOI: <a href="https://doi.org/10.33745/ijzi.2024.v10isp11.006">https://doi.org/10.33745/ijzi.2024.v10isp11.006</a> <b>(Web of Science Indexed).</b>	46 - 57

19	A Review on Biotech Innovations in Seed Technology for Robust Crop Production.	Journal of Advances in Biology & Biotechnology. Volume 27, Issue 5, Page 535-550, 2024; Article no.JABB.113999 ISSN: 2394-1081. DOI: 10.9734/JABB/2024/v27i5816	535 - 550
20	Smart Skin Cancer Diagnosis: Integrating SCA-RELM Method for Enhanced Accuracy.	3rd International Conference for Innovation in Technology (INOCON) Karnataka, India. Mar 1-3, 2024. DOI: 10.1109/INOCON60754.2024.10511420 (Scopus Indexed)	1 - 6
21	Evaluation of anticonvulsants activity of leaves extract of Phoenix dactylifera on wistar rats.	Biochem. Cell. Arch. Vol. 24, No. 1, pp. 699-705, 2024. DOI: <a href="https://doi.org/10.51470/bca.2024.24.1.699">https://doi.org/10.51470/bca.2024.24.1.699</a> (Web of Science Indexed)	699 - 705

### 13. Awards / Distinction: Nil

S.No.	Name of the Award	Venue	Period
1.			

### 14. Membership in Professional Bodies: Nil

S.No.	Name of the Membership	Venue	Period

### 15. Seminars/ Webinar/ FDP/Conferences organized /Participation:

#### a. Seminars/Conferences Organized

S. No.	Program Attended	Place	Organized	Period
1.	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	21 <sup>st</sup> January, 2009
2.	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	14 <sup>th</sup> October, 2010.
3.	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	October 2011
4.	National seminar on "Frontiers in Life Sciences.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	11 <sup>th</sup> January, 2012.
5.	Tamil Nadu State Council for Science and Technology sponsored programme on "Application of Science and Technology in Rural Areas (ASTRA)".	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	20 <sup>th</sup> – 25 <sup>th</sup> February, 2012

6.	District level Science Exhibition “Elixir-2012”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	10 <sup>th</sup> and 11 <sup>th</sup> October, 2012.
7.	District level Science Exhibition “Elixir-2013”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	9 <sup>th</sup> and 10 <sup>th</sup> October, 2013.
8.	Seminar on “Emerging Facts in Diabetes Mellitus”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	29 <sup>th</sup> January 2015.
9.	National seminar on “Biomarkers in Clinical Research”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	8 <sup>th</sup> March, 2017.
10.	District level Science Exhibition “Elixir- 2018”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	6 <sup>th</sup> and 7 <sup>th</sup> February 2018.
11.	National Seminar on “Recent Strategies in Regenerative Therapy”.	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	8 <sup>th</sup> March 2018
12.	National Workshop on “Fundamentals of Medical Coding”.	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Organized	8 <sup>th</sup> March 2019
13.	Webinar on “Traditional System of Medicine in Modern Healthcare	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Organized	4th January 2021

**b. Papers/Posters presented in Seminar/Conferences:**

S. No.	Program Attended	Place	Presented	Period
1.	Intercollegiate symposium on “Biogene -2000”	Department of Biochemistry, King Nandhivarman college of arts & Science, Thellar.	Presented Poster	6 <sup>th</sup> & 7 <sup>th</sup> Jan 2001
2.	Gene therapy – A tool for treating genetic disorders.	International conference on Gene therapy & Phytotherapy in modern medicine, Adhiparasakthi college of science, Kalavai	Presented Poster	4 <sup>th</sup> January 2011.
3.	Entrepreneurship development for life sciences.	National symposium Entrepreneurship development for life sciences, Adhiparasakthi college of science, Kalavai	Presented Poster	23 <sup>rd</sup> January 2013.
4.	The role of Bisphenol and Dioxins in cancer	International Symposium on “Health care system in Cancer biology”, PG and Research Department of Biochemistry, Adhiparasakthi College of Arts and Science, Kalavai	Presented Poster	20 <sup>th</sup> September, 2017
5.	The Inhibitory Effect of <i>Costus Igneus</i> on Salivary Amylase Activity	National Conference on “Molecular basis of non-communicable diseases and therapeutic interventions”, Department of Biochemistry, Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai.	Presented Paper	15 <sup>th</sup> and 16 <sup>th</sup> February 2018

6.	Anticancer effect of medicinal plant – <i>Tinospora cardifolia</i> .	International Symposium on “Unravelling Biometabolites with Bioactivity”, Department of Biotechnology and Bioinformatics, Bishop Heber College, Trichy	Presented Paper	25 <sup>th</sup> February, 2019
7.	Anti-diabetic potentials of <i>Senna alata</i> leaves on selected metabolic enzymes in Sterptozotocin induced diabetic rats	One day International Conference on Advances in Medical Science and Molecular Biology (AMSMB-20)“- PG & Research Department of Microbiology, Idhaya College for Women, Kumbakonam.	Presented Paper	27 <sup>th</sup> January, 2020
8	<b>GC-MS analysis and in-vitro antidiabetic activity of <i>Cichorium intybus</i></b>	National Conference on Revolutionary Applications of Nutraceuticals and Functional Foods as Next-Generation Metabolites Organized by the Department of Biochemistry and Crop Physiology SRM College of Agricultural Sciences, Maduranthagam, Tamilnadu, India.	Presented Paper	7 <sup>th</sup> and 8 <sup>th</sup> September 2023.
9	Pharmacological investigation of <i>Senna alata</i> (L.) leaf extract for anticancer potential – An <i>in-vitro</i> approach	National Conference on Revolutionary Applications of Nutraceuticals and Functional Foods as Next-Generation Metabolites Organized by the Department of Biochemistry and Crop Physiology SRM College of Agricultural Sciences, Maduranthagam, Tamilnadu, India.	Presented Paper	7 <sup>th</sup> and 8 <sup>th</sup> September 2023.
10	In-Vitro & In-Silico Approach On Pharmacological Analysis Of <i>Senna Alata</i> (L.) Extract For Anticancer Potentials	Conference on (DPRC-2023) Organized by the Directorate of Research and School of Bioengineering, SRM Institute of Science and Technology, Tamil Nadu.	Presented Poster	29-31 March 2023
11	Smart Skin Cancer Diagnosis: Integrating SCA -RELM Method for Enhanced Accuracy	3rd International Conference for Innovation in Technology (INOCON) jointly organized by Departments of CSE, ISE, ECE, CSE (AI & ML), CSE (DS) at Sai Vidya Institute of Technology, Bengaluru, India.	Presented Paper	4 <sup>th</sup> –6 <sup>th</sup> March 2024

### C. Seminars/Conferences Participated:

S. No.	Program Attended	Place	Organized/ Participated	Period
1.	Intercollegiate symposium on “Biogene -2000”	Department of Biochemistry, King Nandhivarman college of arts & Science, Thellar.	Participated	6 <sup>th</sup> & 7 <sup>th</sup> Jan 2001
2.	State level seminar on “Recent trends in microbial biotechnology”	Department of Microbiology, Sri Sankara Arts & Science college, Kanchipuram	Participated	30 – 31 Jan 2001
3.	National symposium on “ Current trends in Laboratory techniques for the diagnosis of human diseases”	Department of Biochemistry, Loyola college, Chennai.	Participated	16 <sup>th</sup> Dec 2003
4.	National seminar on Stem cells	Department of Biochemistry, Auxillium college, Vellore.	Participated	14 <sup>th</sup> Sep 2007.

5.	International conference on Gene therapy & Phytotherapy in modern medicine	Adhiparasakthi college of science, Kalavai.	Participated	4th Jan 2008
6.	7 <sup>th</sup> National level biological congress on “Biotechnology: Evolution and Revolutions”	Department of biological sciences, Muthyammal college of Arts & Science, Rasipuram	Participated	4 <sup>th</sup> & 5 <sup>th</sup> Jan 2008
7.	National seminar on “ The role of antioxidants in the treatment of diseases”	Department of Medical Biochemistry, University of Madras, Chennai	Participated	7 <sup>th</sup> Mar 2009.
8.	National seminar on “ Cognitive brain & issues”	Department of Biochemistry, Indo-American college, Cheyyar.	Participated	11 <sup>th</sup> Apr 2014.
9.	National Seminar cum Conference on “Applications of Green Technologies for Separation of Bioproducts”	Department of Biotechnology, Sree Sastha Institute of Engineering and Technology, Chembarambakkam, Chennai.	Participated	2 <sup>nd</sup> and 3 <sup>rd</sup> September, 2015
10.	National Level Seminar on “Frontier Research in Applied Biology & Environmental Sciences	Department of Biochemistry, King Nandhivarman College of Arts & Science, Thellar	Participated	30 <sup>th</sup> January, 2016
11.	One day International Seminar on “Emerging Paradigm in Cancer Therapy”	Department of Biochemistry, Indo American College, Cheyyar	Participated	17 <sup>th</sup> August, 2016
12.	State level symposium on “Biopharmaceuticals”	Department of Biochemistry, Adhiparasakthi College of Arts and Science, Kalavai	Participated	31 <sup>st</sup> January, 2017
13.	International Symposium on “Health care system in Cancer biology”	PG and Research Department of Biochemistry, Adhiparasakthi College of Arts and Science, Kalavai.	Participated	20 <sup>th</sup> September, 2017
14.	National Conference on “Towards Achieving Excellence in Higher Education”	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram	Participated	15 <sup>th</sup> December 2017
15.	Faculty Development Programme on “Digital Learning Resources”.	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Participated	2 <sup>nd</sup> February 2018
16.	National Seminar on “Recent Strategies in Regenerative Therapy”	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Participated	8 <sup>th</sup> March 2018
17.	National Conference on “Molecular Basis of Non-communicable Diseases and Therapeutic Interventions”	Vel’s Institute of Science Technology & Advanced Studies, Chennai	Participated	15 <sup>th</sup> and 16 <sup>th</sup> February, 2018.
18.	The Art of Writing Winnable Project Proposals	Organized by Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Participated	12 <sup>th</sup> July 2019
19.	National Seminar on “Recent Trends in Life Sciences”	Organized by PG & Research Department of Biochemistry and Department of Microbiology, Bhakthavachalam Memorial College for Women, Chennai.	Participated	4 <sup>th</sup> and 5 <sup>th</sup> October, 2019.

20	National Seminar on “Recent Trends in Life Sciences”	Organized by PG & Research Department of Biochemistry and Department of Microbiology, Bhakthavachalam Memorial College for Women, Chennai.	Participated	4 <sup>th</sup> and 5 <sup>th</sup> October, 2019.
21	Dengue Awareness Programme	Organized by Department of medical health and family welfare, Tamilnadu government" and Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	Participated	17 <sup>th</sup> December 2019
22	One day International Conference on “Advances in Medical Science and Molecular Biology (AMSMB-20)	Organized by PG & Research Department of Microbiology, Idhaya College for Women, Kumbakonam.	Participated	27 <sup>th</sup> January, 2020
23	International Conference on Biomedical Engineering and Computing Technologies (ICBECT-2022).	Organized by the Department of Biomedical Engineering, SRM Institute of Science and Technology, Chennai	Participated	23 <sup>rd</sup> – 25 <sup>th</sup> March 2022.
24	International Conference on “Unraveling Therapeutic Resources from Nature’s Treasure”.	Organized by PG and Research Department of BioSciences, Mohamed Sathak College Of Arts & Science, Chennai, India, in association with IQAC cell, MSCAS .	Participated	20 <sup>th</sup> and 21 <sup>st</sup> April 2022
25	International Conference on “Green Technologies for Sustainable Development (GTSD-2022)	Organized by Presidency College, Department of Chemistry, Chennai	Participated	15 <sup>th</sup> and 16 <sup>th</sup> December, 2022

#### D. Webinars attended:

S. No.	SEMINAR NAME	COLLEGE/UNIVERSITY	YEAR
1	Webinar on “Medicinal Plants - The Potential Therapeutic Sources for Human Diseases and Disorders”	Organized by Department of Biochemistry, Ethiraj College for Women, Chennai.	9 <sup>th</sup> May 2020
2	National level Webinar on “Technological tools to manage the pandemic situations using Biological data and Artificial Intelligence”	Organized by the Department of Biotechnology, Dhanalakshmi Srinivasan Institute of Research and Technology, Perambalur.	11 <sup>th</sup> May 2020
3	National Webinar on “ Patenting Inventions in India”	Organized by Department of Biochemistry, Ethiraj College for Women, Chennai.	16 <sup>th</sup> May 2020
4	Faculty Development Programme on “ Fuzzy Sets and Systems”	Organized by Department of Mathematics, Patrician College, Chennai.	16 <sup>th</sup> May 2020
5	Web Series Programme on “COVID-19 Virus”- Awareness Programme on “COVID-19 Stress Management Through Yoga”.	Organized by Nature Science Foundation, Coimbatore.	17 <sup>th</sup> May 2020
6	International Webinar on “ITC and its Data Analysis using Dynamic Approach”	Organized by Department of Biotechnology, Karpagam Academy of Higher Education, Coimbatore.	18 <sup>th</sup> May 2020



7	Webinar on “Guidelines for the management of Health and Hygiene in COVID-19 pandemic”	Organized by Department of Biotechnology, SRM Arts and Science College, Chennai.	18 <sup>th</sup> May 2020
8	Webinar on “Next-Generation Genomics for Crop Improvement to Address Hunger and Malnutrition During COVID-19”	Organized by the Department of Bioinformatics, School of Life Sciences, VISTAS, Chennai.	21 <sup>st</sup> May 2020
9	Faculty Development Programme on “Writing Quality Research Paper and Proposal ”	Organized by International School of Management, Patna.	22 <sup>nd</sup> May 2020
10	International Webinar on “Stem Cell Research – SARS-COV-2(COVID-19)	Organized by the Department of Biotechnology, Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem	23 <sup>rd</sup> May 2020
11	Webinar on “Molecular Docking as a popular Tool in Drug Design”	Organized by the Department of Pharmaceutical Chemistry, Swamy Vivekananda College of Pharmacy, Thiruchengode.	23 <sup>rd</sup> May 2020
12	Webinar on “Stem Cell Research for COVID-19”	Organized by Department of Biotechnology, Vel’s Institute of Science, Technology and Advanced Studies, Chennai.	25 <sup>th</sup> May 2020
13	Webinar on “Anxiety And Well-Being”	Organized by the Department of Mathematics, St Thomas College Of Arts And Science, Chennai.	27 <sup>th</sup> May 2020
14	Webinar on “Electron Microscopy: An Essential Tool For Nanomaterials Characterization ”	Organized by Department of Electronics and Physics, Hindusthan College Of Arts And Science, Coimbatore	29 <sup>th</sup> May 2020
15	Webinar on “Non-Invasive Brain Stimulation”	organized by Department of Electrical and Electronics Engineering, Mohamed Sathak College of Engineering, Chennai.	30 <sup>th</sup> May 2020
16	International webinar on “Natural Products Development”	Organized by Department of Food Technology, Davangere University, Shivangotri, Karnataka, India.	31 <sup>st</sup> May 2020
17	Computer Aided Drug Discovery	Organized by Department of Botany, Auxilium College, Vellore.	1 <sup>st</sup> June 2020
18	International Webinar on “ CoViD 19- Science from Nature	Organized by Department of Life Sciences , Bhakta Kavi Narsinh Mehta University, Junagadh.	5 <sup>th</sup> June 2020
19	International Webinar on “Intellectual Property Rights, An Overview: Myth & Realities”	Organized by the Department of Botany and Department of Commerce & Management, KLE Society’s Science & Commerce College Kalamboli, Mumbai, India	6 <sup>th</sup> June 2020
20	Faculty Enrichment Program on "Transcending From Fixed To Growth Mindset In Turbulent Times”	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram	4 <sup>th</sup> July 2020
21	National webinar on “NAAC – Revised Accreditation Framework: Pathway to Excellence in HEI”.	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram	19 <sup>th</sup> February, 2021.

22	Webinar on “Intellectual Property Rights and Innovations: Patents and Designs”	Organized by the Neuberg Crew of the Department of Biochemistry, D.G. Vaishnav College, Chennai.	26th April 2021
23	Online Faculty Development Programme on Promoting Research and Innovation in HEI - Teacher’s Role.	Organized under the guidance of IQAC & the Department of Computer Science, Sri Kanyaka Parameswari College of Arts & Science, Chennai.	27th and 28th April 2021
24	National level virtual Webinar on “Intellectual Property Rights- An Overview”	Organized by the Department of Biochemistry Under IQAC, Bharathi Women’s College (Autonomous), Chennai.	26 <sup>th</sup> June 2021
25	Webinar on “Drug Discovery and Development: Current Technologies and Career Opportunities”	Organized by the Neuberg crew of the Department of Biochemistry, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.	6th October 2021.
26	National level Webinar on “Career Opportunities in Life Sciences”	Organized by the Department of Microbiology and Biotechnology, School of Basic Sciences, BIHER, Chennai.	2 <sup>nd</sup> February 2022.

#### 16. Participated as Resource Person:

S.No.	Program	Venue	Period
1	“Chromosomal Disorders and Its Analysis by Pre-Natal Diagnosis”, Rasayana @ Bio Forum	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram	30 <sup>th</sup> August 2017
2	The Role of Nutrients in Healthy Life”,	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	05 <sup>th</sup> September 2018
3	Seminar on “Health and Hygiene”	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	18 <sup>th</sup> September 2019
4	Gandhi’s View on Science	Sri Sankara Arts and Science College, Enathur, Kanchipuram.	19 <sup>th</sup> October 2019

#### 17. Workshop & Training Programmes:

S. No.	Programme	Venue	Period
1.	Recent trends in diagnosis of malignant diseases	Clinical biochemistry department, Cancer institute, Chennai.	27 <sup>th</sup> Nov 2010
2.	Innovative methods in teaching of life sciences & biomedical laboratory courses.	Department of Zoology, Arignar Anna Govt. Arts & Science college, Cheyyar.	8 <sup>th</sup> Mar 2012
3.	Faculty Development Programme on “Digital Learning Resources”.	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	2 <sup>nd</sup> February 2018
4	MOOC awareness & E-content development	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	24 <sup>th</sup> & 25 <sup>th</sup> January 2019
5	The Art of Writing Winnable Project Proposals	Organized by Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	12 <sup>th</sup> July 2019
6	Faculty Development Workshop on “ICT Tools for Teaching, Learning process and Institutes”	Organized by Department of Computer science, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	13 <sup>th</sup> – 17 <sup>th</sup> January 2020

7	Two weeks Online Course on “Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs” on	Organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur in association with Sri Sankara Arts and Science College, Kanchipuram and under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.	3 <sup>rd</sup> – 12 <sup>th</sup> February 2022.
8	National Science Academies’ Lecture Workshop in “Biotechnology – Principles and Practice”.	Organized by PG and Research Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	10 <sup>th</sup> - 11 <sup>th</sup> July 2022
9	Workshop on “Quality Control in Clinical Laboratories”	Organized by the Department of Pathology, Meenakshi Medical College Hospital and Research Institute, Kanchipuram	13 <sup>th</sup> September 2022
10	Workshop on “Abiotic Stress Management for Climate Resilience	Organized by the Department of Biochemistry and Crop Physiology, SRM College of Agricultural Sciences, Chengalpet	11 <sup>th</sup> October 2023

#### 18. Projects Completed: Nil

S.No.	Name of the Projects	Period	Grant Received/Status

#### 19. Any other Details:

##### PATENT DETAILS:

- Patent on “**Brain Cancer Cells Detection Technology Using the Fuzzy Learning Method**”, Published in the Patent Office Journal No.10/2024; Pg-Dated 08/03/2024 (Application Number-202331076307).
- Patent on “**Investigation of In-Vitro and In-Vivo Antioxidant and Cardioprotective Activities of Polyherbal Indian Medicinal Plant**”, Published in the Patent Office Journal No.03/2024; Pg-Dated 22/12/2023 (Application Number-202341088387).
- Patent on “**Revolutionizing Cancer Treatment: A Novel Approach Using Biosynthesized Nanoparticles**”, Published in the Patent Office Journal No. 51/2023 Pg-91782 Dated 22/12/2023 (Application Number-202341079762).
- Patent on “**Antidiabetic Potential Of Kaempferol 3-O-Gentiobioside, A Naturally Available Flavonoid Glycoside**”, Published In The Patent Office Journal No.41/2022; Pg-65708 Dated 14/10/2022 (Application Number-202241057326).
- Patent on “**Design and Biological study on new Anti-inflammatory hybrid derivatives**”, Published in the Patent Office Journal No.06/2022; Pg-8003 Dated 11/02/2022. (Application Number-202241006304)

## Design Details

- Proposed Design, " **Simplified High-Performance Thin Layer Chromatography (HPTLC) Apparatus**" has been Accepted under the Medical and Laboratory Equipment Class and Granted by the **Intellectual Property Office of the UK Government**. (Design number-6302097) Grant date - 16th August 2023.

## Copyright Details

- Copyright on "**Novel Composition for Improved Delivery of Drugs with Poor Aqueous Solubility**" Published in the Copyright Office, Government of India. Register Number- L-121329/2023; Dated 05/04/2023.

## BOOKS PUBLISHED:

- Book Titled "**Fundamentals of Analytical Biochemistry**" Published By MJP, Chennai, Tamilnadu, India With **ISBN No: 9789355276384** (2023).
- Book Titled "**Plant Tissue Culture-Basic and Applied**" Published by Elite Publishing House, New Delhi, India With **ISBN No: 978-93-58996-62-3** (2023).
- Book Titled "**A Textbook of Animal Physiology**" Published by AGPH Books, Bhopal, Madhya Pradesh, India With **ISBN No: 978-81-19843-52-7** (2023).
- Book Titled "**Research and Reviews in Animal Science Volume II**" Published by BHUMI Publishing, Maharashtra, India With **ISBN No: 978-93-95847-98-8** (2024)-As Editor.
- Book Titled "**Science of Plant Genetics**" Published by Textify Publishers, Lucknow, Uttar Pradesh, India. With **ISBN: 978-81-970449-0-8** (2024)-As Editor.
- Book Titled "**Text Book of Nutritional Biochemistry**" Published by Shashwat Publication, Bilaspur, Chhattisgarh, India. With **ISBN: 978-93-6087-720-0** (2024).

## BOOK CHAPTER PUBLISHED DETAILS:

- The book Chapter Titled "**Integrated Pest Management Strategies**" was published by Golden Leaf Publishers, Uttar Pradesh, India with the book titled "Modern Concepts in Agriculture (Volume-2)" With ISBN No: 978-81-19906-54-3 (2023).
- The book Chapter Titled "**The Green Revolution 2.0 - Genomic Advances in Crop Improvement**" was published by Golden Leaf Publishers, Uttar Pradesh, India with the book titled "Modern Concepts in Agriculture (Volume-3)" With ISBN No: 978-81-19906-51-2 (2023).
- The book Chapter Titled "**Nutritional and Health Benefits of Fruits**" was published by Golden Leaf Publishers, Uttar Pradesh, India with a book titled "Modern Fruit Science" With ISBN No: 978-81-19906-02-4 (2023).
- The book Chapter Titled "**Horticulture in Controlled Environments: Hydroponics and Aquaponics**" was published by Golden Leaf Publishers, Uttar Pradesh, India with a book titled "Fundamentals and Innovation in Horticulture" With ISBN No: 978-81-19906-78-9 (2023).
- The book Chapter Titled "**Enhancing Crop Yield with Genetic Engineering**" was published by Golden Leaf Publishers, Uttar Pradesh, India with a book titled "Advancements in Agronomic Practices" With ISBN No: 978-81-19906-91-8 (2024).

- The book Chapter Titled “**Intellectual Property Rights in Biotechnology**” was published by Golden Leaf Publishers, Uttar Pradesh, India with a book titled "**Agricultural Biotechnology and Genetically Modified Crops**" With ISBN- 978-81-19906-08-6 (2024).
- The book chapter Titled “**The Future of Genetically Modified Crops**” was published by Textify Publishers, Uttar Pradesh (Lucknow), India with a book titled "Technological Advancements in Agriculture Advancements in Agronomic Practices" With ISBN- 978-81-970449-6-0 (2024).
- The book Chapter Titled “**Cellular Communication: Signaling Pathway and Molecular Interactions in Biochemistry**” was published by Elite Publishing House, New Delhi, India with a book titled "Farm to Table: The Science Behind Agriculture and Allied Sector" With ISBN No: ISBN: 978-93-58994-87-2 (2024).
- The book Chapter Titled “**Metabolic Pathways: Navigating the Cellular Energetic Landscape**” was published by Elite Publishing House, New Delhi, India with a book titled "Farm to Table: The Science Behind Agriculture and Allied Sector" With ISBN No: ISBN: 978-93-58994-87-2 (2024).
- The book Chapter Titled “**Protein Structure and Enzyme Kinetics**” was published by Elite Publishing House, New Delhi, India with a book titled "New Dimension of Agriculture and Allied Science, Volume-4” with ISBN No: 978-93-5899-151-2 (2024).
- The book Chapter Titled “**Biochemical Techniques: Tools of the Trade**” was published by Elite Publishing House, New Delhi, India with a book titled "New Dimension of Agriculture and Allied Science, Volume-4” with ISBN No: 978-93-5899-151-2 (2024).

### **As Journal Reviewer**

- Served as Reviewer for the Journal “Journal of Complementary and Alternative Medical Research” during 30th April, 2024.
- Served as Reviewer for the Journal “International Journal of Biochemistry Research & Review” during 3rd May, 2024.
- Served as Reviewer for the Journal “European Journal of Nutrition & Food Safety” during 7th May, 2024.
- Served as Reviewer for the Journal “Asian Journal of Applied Chemistry Research” during 22nd May, 2024.
- Served as Reviewer for the Journal “Journal of Agriculture and Ecology Research International” during 25th June, 2024

### **Medical Diagnosis Camp /Awareness Programme Organized**

- Diabetes, Blood Pressure, and BMI Diagnosis Camp, 9<sup>th</sup> February 2018 at Enathur, organized by the Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.
- Dengue Awareness Camp *was* attended on 17<sup>th</sup> December 2019, organized by the Department of Biochemistry, Sri Sankara Arts & Science College, Enathur, Kanchipuram.
- Diabetes, Blood Pressure, and BMI Diagnosis Camp, 19<sup>th</sup> February 2019 at Enathur, organized by the Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.

- Diabetes and BMI diagnosis medical Camp attended on 27<sup>th</sup> January 2020, organized by the Biochemistry Department and National Service Scheme, Sri Sankara Arts & Science College, Enathur, Kanchipuram.
- Diabetes and BMI diagnosis medical Camp attended on 21<sup>st</sup> February 2020, organized by the National Red Cross Society and Biochemistry Department, Sri Sankara Arts & Science College, Enathur, Kanchipuram
- COVID-19 Special Vaccination Camp organized by the Department of Biochemistry, Sri Sankara Arts & Science College, Enathur, Kanchipuram on 06.09.2021
- Dengue awareness program organized by the Department of Biochemistry in association with Tamil Nadu Public Health Department, Kanchipuram District on 27.7.22.
- Diabetes awareness program organized by the Department of Biochemistry, Sri Sankara Arts & Science College, Enathur, Kanchipuram on 12.08.22.
- Dengue awareness program organized by the Department of Biochemistry in association with Tamil Nadu Public Health Department, Kanchipuram District on 16.05.23
- Cancer awareness program organized by the Department of Biochemistry in association with Cancer Institute (WIA) Adyar, Chennai from 1<sup>st</sup>-5<sup>th</sup> September 2023.

### **FIELD VISITS ORGANIZED**

- Organized Industrial visit for I B.Sc Biochemistry students” on 05th December 2017, Central Leprosy Training and Research Institute, Chengalpattu.
- Organized Industrial visit for II M. Sc Biochemistry students” on 06th January 2020, Hatsun Agro Product Limited, Timmasamudram Village, Kanchipuram.
- Organized Industrial visit for II M.Sc Biochemistry students” on 4<sup>th</sup> - 6<sup>th</sup> January 2023, Tamilnadu Cooperative Milk Producers’ Federation Limited (Aavin) Central Diary – Madhavaram Milk Colony, Chennai.

### **QUESTION PAPER SETTER/EXAMINER IN VARIOUS COLLEGES**

- Adhiparasakthi College of Arts & Science, Kalavai.
- Shri Krishna College of Arts & Science, Kilambi, Kanchipuram.
- St. Joseph College of Arts & Science, Cuddalore.
- University of Madras, Chennai.
- Ethiraj College for Women, Egmore, Chennai.
- Dr.N.G.P College of Arts & Science, Coimbatore.
- Vivekanandha College of Arts and Sciences for Women, Tiruchengode.
- D.G. Vaishnava College, Arumbakkam, Chennai.

### **Others**

- Acted as Judge for Model and Poster competition in “Environmental awareness Exhibition” Conducted during 06.03.2020 to 08.03.2020, organized by Sri Sankara Arts & Science College, Enathur, Kanchipuram.