

SRI SANKARA ARTS & SCIENCE COLLEGE
ENATHUR, KANCHIPURAM
STAFF PROFILE
DEPARTMENT OF BIOCHEMISTRY



1.	Name of the Staff	Dr.N. RANGARAJAN
2.	Designation	Associate Professor and Head
3.	Date of Joining	16.7.2001
4.	Mobile Number	9443186132
5.	E-Mail ID	n.rangarajan@yahoo.co.in
6.	Nationality	Indian
7.	Academic Qualification	M.Sc., M.Phil., Ph.D., NET., DAAP.,
8.	Field of Specialization	Cancer Biology
9.	Ph.D Thesis Title	Assuaging potential of sesamol against experimentally induced glioma in rats.
10	Awarding University, Year of Award.	University of Madras, 2013

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Sriram College of Arts and Science, Perumalpet, Thiruvallur.	Lecturer	1999 to 2001
2	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Assistant Professor and Head	2001 to 2011
3	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Associate Professor and Head	2011 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 / Examination Committee	Convenor	2009-10
2	Sri Sankara Arts and Science College, Enathur / Attendance Committee	Convenor	2008-09
3	Sri Sankara Arts and Science College, Enathur / Discipline Committee	Member	2016-Till Date
4	Sri Sankara Arts and Science College, Enathur / Research Committee	Convenor	2013-14
5	Sri Sankara Arts and Science College, Enathur / Stock verification Committee	Convenor	2002 – Till Date

6	Sri Sankara Arts and Science College, Enathur / IQAC	Member	2012 - 2015
7	Sri Sankara Arts and Science College, Enathur / NAAC Steering Committee	Member	2011-12
8	Sri Sankara Arts and Science College, Enathur / Autonomous Steering Committee	Member	2013-14
9	Sri Sankara Arts and Science College, Enathur / IQAC	Co-ordinator	2015 – 2023
10	Sri Sankara Arts and Science College, Enathur / Academic Audit Committee	Convenor	2016 - 2018

12. Publications:

S.No.	Title	Journal	Pages
1	The effect of radiotherapy on oxidative stress in women with cervical cancer	<i>Biomedicine</i> , (ISSN: 0970-2067).	vol 26(1 & 2), 10-17
2	Neuroprotective effect of sesamol in glioma induced in rats.	<i>Biomedicine International</i> . (ISSN: 2008-6733) (Indexed in Google scholar and Index Copernicus).	Vol 2(1), 22-27
3	Differential morphological changes and expression studies of GFAP in glioma induced in rats following sesamol treatment.	<i>International Journal of Pharmaceutical Research and Development</i> . (ISSN: 0974 – 9446). (Impact Factor: 2.01)	Vol 3 (7), 79-86
4	Synergistic effect of <i>piper longum</i> extract with ciprofloxacin on MRSA.	<i>International Journal of Pharmaceutical Research and Development</i> . (ISSN: 0974 – 9446). (Impact Factor: 2.01)	Vol 4 (04), 209-215,
5	Phytochemical screening of <i>Sesamum indicum</i> seed extract.	<i>World journal of pharmacy and pharmaceutical sciences</i> . (ISSN: 2278 – 4357). (Impact factor-1.0408, ICV- 5.06, Indexed in Google scholar)	Vol 1(4), 1298-1308

6	Phytochemical Screening and Evaluation of Protein content in the Seed extracts of <i>Cucurbita maxima</i> .	<i>International Journal of Pharmacy & Life Science</i> . (ISSN: 0976-7126). (Impact factor-2.798, ICV-3.75, Indexed in Google scholar) .	Vol 5(7), 3637-3642
7	Phytochemical Screening and Antioxidant Studies in the Pulp Extracts of <i>Cucurbita Maxima</i> .	<i>Asian J. Pharm. Res.</i> (ISSN: 2231-5691). (Indexed in Google scholar) .	Vol. 6(1), 1-4,
8	Insilico Analysis of <i>Sesamum indicum</i> Seed Proteins.	<i>Asian Journal of Pharmacy and Technology</i> . (ISSN: 2231-5713). (Indexed in Google scholar & UGC Approved International Peer Reviewed Journal) .	Vol. 7(1)
9	Comparative study of physicochemical properties and antioxidant analysis on refined and unrefined edible oils.	<i>International Journal of Academic Research and Development (RJIF: 5.22)</i> .	Vol. 3(2), 1145-1148
10	Spectral Studies and Biochemical Evaluation of Citrus limon Pulp.	<i>International Journal of Pharmacognosy and Phytochemical Research</i> (ISSN: 0975-4873), (Impact factor- 1.279) . (UGC Approved International Peer Reviewed Journal)	Vol. 10(6); 246-253,
11	The Inhibitory Effect Of <i>CostusIgnus</i> Leaf Extract On Salivary Amylase And Pancreatic Amylase Activities.	<i>Journal of Emerging Technologies and Innovative Research</i> . May 2019; (ISSN: 2349-5162), (h-index Impact factor-5.87) , (Indexed in Google scholar) , (UGC Approved International Peer Reviewed Journal). DOI - http://doi.one/10.1729/Journal.20900	Vol 6(5); 56-63,
12	Additive inhibitory effect of the peels of <i>Citrus limon</i> and <i>Citrus sinensis</i> against amylase and glucosidase activity.	<i>International Journal of Research in Pharmaceutical Sciences</i> . 2020, ISSN: 0975-7538, DOI: https://doi.org/10.26452/ijrps.v11i4.3661 . (SCOPUS & UGC Approved International Peer Reviewed Journal)	Vol 11(4), 6876-6880,
13	UV Spectrophotometry and FTIR analysis of Phenolic Compounds with Antioxidant Potentials in <i>Glycyrrhiza glabra</i> and <i>Zingiber officinale</i> .	<i>International Journal of Research in Pharmaceutical Sciences</i> . 2021, ISSN: 0975-7538, DOI: https://doi.org/10.26452/ijrps.v12i1.4215 . (SCOPUS & UGC Approved International Peer Reviewed Journal)	Vol 12(1), 877-883,
14	GC-MS and HPLC analysis of Antiglycogenolytic and Glycogenic compounds in Kaempferol 3 – O – gentiobioside containing <i>Senna alata</i> L leaves in experimental rats.	<i>Translational Metabolic Syndrome Research</i> . 2021, ISSN:2588-9303, DOI: https://doi.org/10.1016/j.tmsr.2021.07.001 . (Elsevier & UGC Approved International Peer Reviewed Journal)	Vol 4, 10-17,

15	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.	<i>Res J Pharm and Tech.</i> 2021, ISSN: 0974-3618, DOI: 10.5958/0974-360X. (SCOPUS & UGC Approved International Peer Reviewed Journal)	Vol. 14(8): 4300-4306
16	<i>In silico</i> 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.	<i>Journal of Applied Pharmaceutical Science.</i> May, 2022, ISSN 2231-3354, DOI: 10.7324/JAPS.2022.120508. (UGC-CARE List 2020 Group II Journals).	Vol. 12(05), 104-119,
17	Advancing Crop Improvement Through CRISPR Technology in Precision Agriculture Trends-A Review.	<i>International Journal of Environment and Climate Change.</i> December, 2023, ISSN: 2581-8627, DOI:10.9734/IJECC/2023/v13i113647. (Indexed in Google scholar).	Vol.13(11), 4683-4694,
18	Phytochemical Analysis, Antioxidant Properties and Vermicidal Activity of Flower Extract of <i>Delonix regia</i> .	<i>International Journal of Zoological Investigations.</i> March, 2024, ISSN: 2454-3055, DOI: https://doi.org/10.33745/ijzi.2024.v10ispl1.006 . (Web of Science and UGC-CARE)	Vol.10(1), 46-57,
19	Proximate Analysis of Flavonoids and Antioxidants in <i>Phyllanthus Emblica</i> and <i>Vitis Vinifera</i> Pulp.	<i>International Journal of Biology, Pharmacy and Allied sciences.</i> December, 2024, DOI: https://doi.org/10.31032/IJBPAS/2024/13.12.8535 . (Web of Science and UGC-CARE).	Vol.13(12), ISSN: 2277-4998

13. Awards / Distinction :

S.No.	Name of the Award	Venue	Period
1	Yellapragada Subbarao Memorial Award	Indian Association of Biomedical Scientists	2007
2	Faculty Award	Sri Sankara Arts and Science College	2010
3	Certificate of Appreciation	Sri Sankara Arts and Science College	22 nd March, 2012
4	Faculty Service Award	Sri Sankara Arts and Science College	12th December 2012.
5	Service Award	Sri Sankara Arts and Science College	5 th October 2014
6	Best Performer Award	Sri Sankara Arts and Science College	21 st March 2017

14. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period
1	Chairman, Board of Studies, Department of Biochemistry	Sri Sankara Arts and Science College, Enathur, Kanchipuram	2015-Till date
2	Subject Expert, Board of Studies, Department of Biochemistry.	Bharathi Women's College, Chennai -108.	2019-2020

15. Seminars Conferences organized /Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1	Trends in Applied Biochemistry	Sri Sankara Arts and Science College, Enathur, Kanchipuram,	Organized	27 th January, 1999
2	Sanbiochemfest	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	2002
3	National symposium on “Emerging facts in Cancer”	Sri Sankara arts and science college, Enathur, Kanchipuram,	Organized	10 th and 11 th October, 2006.
4	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	21 st January, 2009
5	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	14 th October, 2010
6	District level Science Exhibition	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	October 2011
7	National seminar on “Frontiers in Life Sciences”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	11 th January, 2012.
8	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 th – 25 th February, 2012
9	District level Science Exhibition “Elixir-2012”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	10 th and 11 th October, 2012
10	District level Science Exhibition “Elixir-2013”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	9 th and 10 th October, 2013.
11	Seminar on “Emerging Facts in Diabetes Mellitus”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	29 th January 2015.
12	National seminar on “Biomarkers in Clinical Research”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	8 th March, 2017

13	National Conference on “Towards Achieving Excellence in Higher Education”, organized by IQAC	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	15 th December 2017.
14	FDP on “Digital Learning Resources”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	2 nd February 2018
15	District level Science Exhibition “Elixir- 2018”	Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	6 th and 7 th February 2018
16	National Seminar on “Recent Strategies in Regenerative Therapy”	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram	Organized	8 th March 2018
17	Indo-Australian International conference on “Biotechnology in Medicine”	IISC, Bangalore,	Participated	9 th -11 th February, 2004.
18	International conference on Bio resources in the development of Medicine,	Bharathidasan University, Trichy	Participated	20 th -22 nd September, 2007.
19	National conference on New Frontiers and current trends in Biotechnology.	Department of Biochemistry, University of Madras.	Participated	18 th and 19 th October, 2008.
20	National Conference on “The role of Antioxidants in the Treatment of Diseases”	Department of Medical Biochemistry, University of Madras	Participated	7 th March, 2009.
21	National Seminar on Neurobiology and Stem cells	Department of Biochemistry, Indo American College, Cheyyar	Participated	5 th and 6 th March, 2010.
22	Seminar on “Nanobiotechnology”,	Department of Biotechnology, Sri Sankara Arts and Science College, Kanchipuram	Participated	18 th August 2010
23	National Symposium on Antituberculosis Drug Discovery: Current status and future prospects,	Department of Bacteriology, Tuberculosis Research Centre, Chennai	Participated	30 th October, 2010
24	National seminar on “Cellular and Molecular Neurobiology in Health and Diseases”,	Department of Biochemistry, University of Madras	Participated	11 th and 12 th February, 2011

25	National Conference on “The role of free radicals in health and diseases”,	Department of Medical Biochemistry, University of Madras	Participated	27 th and 28 th January, 2012
26	„National symposium on Entrepreneurship Development for life Sciences“,	Department of Biochemistry, Adiparasakthi College of Arts and Science, Kalavai	Participated	23 rd January, 2013.
27	“Emerging trends in microbial Biotechnology” ,	Department of Microbiology, Kanchi Sri Krishna college of Arts and Science, Kilambi, Kanchipuram	Participated	20 th and 21 st February, 2013.
28	National Conference on “Dietary interventions and signaling cascades in health and diseases”,	Department of Medical Biochemistry, University of Madras	Participated	21 st and 22 nd February, 2014
29	National level seminar on “Cognitive Brain & Issues”,	Department of Biochemistry, Indo American College, Cheyyar	Participated	11 th April, 2014.
30	National seminar on “Emerging Trends in Medical and Environmental Biotechnology”	Department of Microbiology, Kanchi Sri Krishna college of Arts and Science, Kilambi, Kanchipuram	Participated	6 th March 2015
31	“National seminar and inauguration of Chennai chapter of Society for Neurochemistry (India), (SNCI)”	Department of Biochemistry, University of Madras	Participated	8 th May 2015
32	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 nd and 3 rd September, 2015.
33	National Level Seminar on “Frontier Research in Applied Biology & Environmental Sciences”.	Department of Biochemistry, King Nandhivarman College of Arts & Science, Thellar	Participated	30 th January, 2016
34	4 th National conference on “Emerging Trends and New Challenges in Biotechnology- Bioenergy: A Step Towards Sustainable Future”.	PG and Research Department of Biotechnology, M.G.R College, Hosur,	Participated	18 th and 19 th February, 2016.

35	One day International Seminar on “Emerging Paradigm in Cancer Therapy	”, Department of Biochemistry, Indo American College, Cheyyar,	Participated	17 th August, 2016
36	State level symposium on “Biopharmaceuticals”	Department of Biochemistry, Adhiparasakthi College of Arts and Science, Kalavai	Participated	31 st January, 2017.
37	International Symposium on “Health care system in Cancer biology”	PG and Research Department of Biochemistry, Adhiparasakthi College of Arts and Science, Kalavai	Participated	20 th September, 2017
38	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	Participated	15 th and 16 th February 2018.
39	National Conference on “Unravelling Biometabolites with Bioactivity”	Department of Biotechnology and Bioinformatics, Bishop Heber College (Autonomous), Thiruchirapalli, Tamil Nadu,	Participated	25 th February 2019.
40	National Workshop on “Fundamentals of Medical Coding”,	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	Organised	8 th March 2019.
41	Workshop on “The Art of Writing Winnable Project Proposals”,	Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	Participated	12 th July 2019.
42	National Seminar on “Recent Trends in Life Sciences”	PG & Research Department of Biochemistry and Department of Microbiology, Bhakthavachalam Memorial College for Women, Chennai,	Participated	4 th and 5 th October, 2019.

43	National Conference on “Biochemical and Molecular Basis of Cancer”,	Department of Biochemistry, Meenakshi Medical College Hospital and Research Institute, Kanchipuram,	Participated	19 th October 2019.
44	One day International Conference on “Advances in Medical Science and Molecular Biology (AMSMB-20)”,	PG & Research Department of Microbiology, Idhaya College for Women, Kumbakonam,	Participated	27 th January, 2020.
45	National conference on “Revolutionary Applications of Nutraceuticals and Functional foods as Next Generation Metabolites – A Biotechnological Approach via Sustainable Agriculture”,	Department of Biochemistry and Crop Physiology, SRM College of Agricultural Sciences, SRM Institute of Science and Technology, Baburayanpettai, Chengalpattu,	Participated	7 th and 8 th September 2023.
46	International Symposium on “Structural Bioinformatics in Biomedical Research”,	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	Organised	9 th January, 2024.
47	National conference on “Recent Advances in Chemical and Biological Applications of Chemistry in India”,	Department of Chemistry, Pachaiyappa’s College for Men, Kanchipuram,	Participated	30 th January 2025.

16. Participated as Resource Person:

S.No.	Program	Venue	Period
1	Types of Tissues, Secondary grade teachers in-service training programme	Sri Sankara Arts and Science College, Enathur, Kanchipuram	December 2004
2	Plant tissue culture and its applications, Higher secondary teachers in-service training programme	Sri Sankara Arts and Science College, Enathur, Kanchipuram	July 2006
3	Cancer Biology, Secondary grade teachers in-service training programme	Sri Sankara Arts and Science College, Enathur, Kanchipuram	October 2007

4	Biochemical techniques, Bharathidasan University, Distance learning programme, M.Phil. Biochemistry	Sri Sankara Arts and Science College, Enathur, Kanchipuram	2006
5	Biochemical techniques, Bharathiyar University, Distance learning programme, M.Sc., Environmental Biochemistry	Sri Sankara Arts and Science College, Enathur, Kanchipuram	2007
6	Cell signaling in glioma	Kanchi Sri Krishna College of arts and science, Kilambi, Kanchipuram	July 2010
7	Health is Wealth	Vyasa Literary club. Sri Sankara Arts and Science College, Enathur, Kanchipuram	June 2014
8	Way to success	Vyasa Literary club, , Sri Sankara Arts and Science College, Enathur, Kanchipuram	July 2016
9	Inaugural address, Inauguration of Watson Biochemistry Club	Annai Therasa College of Arts and Science, Thirukkazhukundram	August 2016
10	Key note address, Science Awareness Programme Sponsored by TNSCST	Thiruvalluvar University College of Arts and Science, Thennangur, Vandavasi	December 2017
11	Molecular Pathogenesis of Glioma	Rasayana@bio Forum, Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	October 2018
12	A special lecture on “Healthy Life Is Happy Life”	Student Induction Programme, Sri Sankara Arts and Science College, Kanchipuram.	8 th July 2019
13	Special lecture on “Pharmacological properties of citrus flavonoids”	National webinar on “Advances in phytochemical research in health promotion”, Department of Biochemistry and Zoology, Government arts and science college, Thennangur.	5 th December 2020

17. Workshop & Training Programmes:

S.No.	Programe	Venue	Period
1	Workshop on “Recent trends in the diagnosis of malignant diseases”	Clinical Biochemistry Department, Cancer Institute (WIA), Chennai	27 th November, 2010.
2	Workshop on “Innovative Methodologies in Teaching of Life Science and Biomedical Science Laboratory Courses”	Department of Zoology, Arignar Anna Government Arts College, Cheyyar	8 th March, 2012
3	Workshop on “Institutional quality sustenance through NAAC accreditation and NIRF- motivation and measures”	Directorate of Collegiate Education at Auxillium College, Vellore	10 th November, 2017
5	Workshop on “The Art of Writing Winnable Project Proposals”,	Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	12 th July 2019.
6	National Workshop on “Fundamentals of Medical Coding”,	Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	19 th October 2019

18. Projects Completed:

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

19. Any other Details:**PATENT PUBLICATIONS**

➤ **Title of the invention:** Antidiabetic Potential of Kaempferol 3-O-gentiobioside, a naturally available Flavonoid glycoside.

Name of Applicants: 1)Dr.S.Mohanasundaram 2)Dr.N.Rangarajan 3)Dr. B. Senthil Kumar 4)Mr.V.Sampath 5)Mrs.K.Porkodi 6)Dr. Saikarthik Jayakumar 7)Dr. Indumathi Parameswaran.

Date of filing of Application :06/10/2022

Application No.202241057326 A

Publication Date: 14/10/2022

- **Title of the invention:** Revolutionizing Cancer Treatment: A Novel Approach Using Biosynthesized Nanoparticles.

Name of Applicants: 1)G.Smilarubavathy 2)Dr Subhashini Swaminathan 3)Dr.N.Rangarajan 4)Mr.V. Sampath 5)Shweta Kailash Pal 6)Saranya Sivakumar 7)Darla Srinivasarao 8)Dr Amit chauhan 9)Dr SS Subramanian 10)Dr. Gandhi N 11)Dr Sherafin Jancy Vincy 12)Dr M Chandrasekar

Date of filing of Application: 24/11/2023

Application No. 202341079762 A

Publication Date: 22/12/2023

BOOK PUBLISHED

- Fundamentals of Analytical Biochemistry, MJP Publishers, Chennai, 2023, ISBN:9789355276384.

Book Chapters Published

S.No.	Topic	Book Title	Year
1	Types of Tissues	Secondary grade teachers in-service training programme hand book	2004
2	Plant tissue culture and its applications	Higher secondary teachers in-service training programme hand book	2006
3	Cancer Biology	Secondary grade teachers in-service training programme hand book	2007
4	Health and Nutrition	Application of Science and Technology in Rural Areas training programme hand book	2012
5	The Green Revolution 2.0 Genomic advances in crop Improvement.	Modern Concepts in Agriculture.	2023
6	Biochemical Techniques: Tools of the Trade.	New Dimensions of Agriculture and Allied Science	2024
7	Spectral Analysis of Phytochemicals in Some Medicinal Plants. Published	Frontiers In Natural Sciences	2025

Medical Diagnosis Camp Organized

- Diabetes, Blood Pressure and BMI Diagnosis Camp, 9th February 2018 at Enathur, organized by Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.
- Diabetes, Blood Pressure and BMI Diagnosis Camp, 19th February 2019 at Enathur, organized by Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.
- Diabetes, Blood Pressure and BMI Diagnosis Camp, 27th January 2020 at Enathur, organized by Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.
- Medical Camp, 21st February 2020 at Enathur, organized by Department of Biochemistry in association with National Red Cross Society.
- COVID -19 Vaccination Camp, 6th September 2021 at Enathur, organized by Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram.
- Dengue awareness programme, 27th July 2022 at Enathur, organized by Department of Biochemistry in association with Tamil Nadu Public Health department Kanchipuram District.
- Diabetes awareness programme, 12th September 2022 at Enathur, organized by Department of Biochemistry, Sri Sankara Arts & Science College, Enathur, Kanchipuram.
- Dengue awareness program, 16th May 2023 at Enathur, organized by the Department of Biochemistry in association with Tamil Nadu Public Health Department, Kanchipuram District.
- Cancer awareness programme, 1st -5th September 2023, organized by Department of Biochemistry in association with *Cancer Institute (WIA) Adyar*, Chennai.
- Medical Camp for Cancer diagnosis and awareness program, 3rd September 2024 at Enathur, organized by the Department of Biochemistry in association with Theni Cancer Institute, Chennai.

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EDITORIAL BOARD

Editorial Board member as Associate Editor for the Journal “Bhamathi – Microbiology News Letter” (ISSN: 2231-136X).

FDPs PARTICIPATED

- Faculty Development Programme on ICT Tools for Teaching, Learning process and Institutes, Organized by Electronics and ICT Academy, IIITDM – Jabalpur in association with Sri Sankara Arts and Science College, Kanchipuram, from 13.01.2020 to 17.01.2020.
- Faculty development program on Deep Learning & Optimization for Healthcare organized by EICT Academy NIT Patna, 24th Feb to 4th March 2025.

ONLINE WEBINARS / FDP ATTENDED/ORGANISED

WEBINAR NAME	COLLEGE/UNIVERSITY	MONTH AND YEAR
Webinar on "Bacterial Virulence: Perceptive and Pragmatic approach"	Organized by Department of Microbiology, Indian Academy Degree College-Autonomous, Bangalore, India	5 th May 2020
Webinar on "Medicinal Plants - The Potential Therapeutic Sources for Human Diseases and Disorders"	Organized by Department of Biochemistry, Ethiraj College for Women, Chennai.	9 th May 2020
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 th May 2020
National Webinar on "Patenting Inventions in India"	Organized by Department of Biochemistry, Ethiraj College for Women, Chennai.	16 th May 2020
Faculty Development Programme on "Fuzzy Sets and Systems"	Organized by Department of Mathematics, Patrician College, Chennai.	16 th May 2020
Web Series Programme on "COVID-19 Virus"- Awareness Programme on "COVID-19 Stress Management Through Yoga".	Organized by Nature Science Foundation, Coimbatore.	17 th May 2020

International Webinar on “ITC and its Data Analysis using Dynamic Approach”	Organized by Department of Biotechnology, Karpagam Academy of Higher Education, Coimbatore.	18th May, 2020
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 th May 2020
Webinar on “Applications of Flow Cytometer in Healthcare Sector”	Organized by Department of Biomedical Engineering and Internal Quality Assurance Cell (IQAC), Karpaga Vinayaga College of Engineering and Technology, Padalam, Chengalpet, Tamilnadu,	18th May 2020
Faculty Development Programme on “Writing Quality Research Paper and Proposal ”	Organized by International School of Management, Patna.	22 nd May 2020
International Webinar on “Stem Cell Research – SARS-COV-2 (COVID-19),	Organized by Department of Biotechnology, Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem, Tamil Nadu	23 rd May 2020
Webinar on “Anxiety And Well-Being”	Organized by the Department of Mathematics, St Thomas College Of Arts And Science, Chennai.	27 th May 2020
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 th May 2020
Webinar on “Non-Invasive Brain Stimulation”	organized by Department of Electrical and Electronics Engineering, Mohamed Sathak College of Engineering, Chennai.	30 th May 2020
One day Webinar on “Online Teaching tools”	Organized by PG Department of Computer Science, Bishop Heber College (Autonomous), Thiruchirapalli	30 th May 2020
International webinar on “Natural Products Development”	Organized by Department of Food Technology, Davangere University, Shivagangotri, Karnataka, India.	31st May 2020

Computer Aided Drug Discovery	Organized by Department of Botany, Auxilium College, Vellore.	1 st June 2020
International Webinar on “ Covid 19- Science from Nature.	Organized by Department of Life Sciences , Bhakta Kavi Narsinh Mehta University, Junagadh.	5 th June 2020
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 th June 2020
National Webinar on “Traditional medicine - A boon for healthy living”	Organized by Department of Biochemistry, Bharathi Women’s College (autonomous), Chennai	12 th June 2020
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 th July 2020
International Conference on “Nutraceuticals as Immune boosters”	Organised by the Department of Biochemistry, DG Vaishnav college, Chennai.	28 th October, 2020.
International Webinar and 3 rd National Conference of the society for alternatives to animal experiments	Organised by National Centre for Alternatives to Animal Experiments(NCAAEE), Bharathidasan University, Tiruchirappalli, India	28 th December 2020.
Webinar on “Traditional System Of Medicine In Modern Health Care”,	Organized by PG & Research Department of Biochemistry, Sri Sankara Arts and Science College, Enathur, Kanchipuram, in association with Department of Indian Medicine and Homeopathy, Kanchipuram.	4 th January 2021
National Webinar on “NAAC –Revised Accreditation Framework: Pathway to Excellence in HEI”,	Organized by IQAC, Sri Sankara Arts and Science College, Enathur, Kanchipuram,	19 th February 2021
National Webinar on “Patenting of Biotechnological Inventions In India”	Organised by Guru Nanak Center for research in association with IPR Cell & IQAC, Guru Nanak College(Autonomous), Chennai	29 th January 2021

National Level Capacity Building Programme on “A Teacher’s Tool Kit”,	Organized by M.O.P.Vaishnav College For Women(Autonomous), Chennai, conducted	18 th January 2021 to 25 th January 2021
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,	26 th April, 2021
Webinar on “How to plan Start-up and Legal & Ethical Steps”,	Organized by IQAC & IIC of Sri Kanyaka Parameswari Arts and Science College for Women, Chennai.	28 th April 2021
National webinar on “Prognostic Biomarkers of Covid 19 and Immune Boosters”,	Organized by the Department of Biochemistry, Valliammal College for women, Chennai,	13 th May 2021
National Webinar On “Patent – Drafting And Registration”,	Organized by the Guru Nanak Centre For Research (GNCR), in association with the Intellectual Property Rights Cell & Internal Quality Assurance Cell (IQAC) of Gurunanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai,	19 th May 2021
Two-day National Seminar on “Inclusive, Innovative and Sustainable Future of Education- NEP 2020”,	Organized jointly by the IQACs of Ramnarain Ruia Autonomous College, Mumbai and the University of Mumbai.,	24 th and 25 th of May 2021
Webinar on “Cheating of Cheater - COVID 19”.	Organized by the Neuberg Crew of the Department of Biochemistry, D.G. Vaishnav College, Chennai,	28 th May, 2021
International webinar series “Research across the Globe – Day 1”,	Organized by Symbiosis - Department of Lifesciences Association, Valliammal College for women, Chennai,	28 th May, 2021.
One day International Webinar on “Role Of Long Noncoding RNAs In Airway Mucoinflammation”,	Organized by Department of Microbiology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.	29 th May, 2021
National Webinar on “ Basic Insights and Applications of Biomolecules In Wound Therapeutics”,	Organised by S.I.V.E.T. College, Chennai.	4 th June 2021
National Webinar on “COVID-19 Epidemiological and Scientific Perspectives”,	Organized by PG & Research Department of Zoology, Pachaiyappa’s College, Chennai.	19 th June 2021

Webinar on “Challenges faced in Imparting Quality Education During COVID 19 & Best Practices Followed to combat them”,	Organised by Master Soft ERP Solutions Pvt.Ltd. Nagpur,	26 th June 2021
Webinar on “3D Bioprinting Technology For Regenerative Medicine”,	Organized by the Department of Biochemistry, Annai Veilankanni’s College for Women.	7 th August 2021
National Webinar Series - 1 on “Industry - Institution Collaboration”,.	Organized by Internal Quality Assurance Cell (IQAC) & Department of Biochemistry, Sri Sankara Arts and Science College (Autonomous), Enathur, Kanchipuram,	28 th August 2021
Webinar on “Drug Discovery and Development: Current Technologies and Career Opportunities”	Organized by the Neuberg Crew of the Department of Biochemistry, D.G. Vaishnav College, Chennai,	6 th October 2021
Cancer Day webinar,	Organized by the Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai.	9 th February 2022
Webinar on “Research Developments for Sustainability of Ecosystem- Coral reefs, the Paradise under water” .	Organized by the Department of Zoology, Ch.S.D.St.Therasa’s College for Women, Eluru.	10 th February 2022
Online FDP series on “Outlining the steps for Effective Journal Writing”.	Organized by the Internal Quality Assurance Cell (IQAC), Shasun Jain College for Women, Chennai in collaboration with London Business University, Singapore,	11 th February 2022
National Level Virtual Faculty Development Programme on “Effective Pedagogy Tools for Life Sciences”.	Organized by PG & Research Department of Biochemistry, Theivanai Ammal College for Women (Autonomous), Villupuram.	20 th to 28 th December, 2023
Online Bioinformatics Workshop on ‘Molecular Docking’	conducted By M/S Clarius Biologicals Pvt Ltd, Chennai.	19 th July 2024

PAPERS PRESENTED

- Effect of radiotherapy on oxidative stress in women with cervical cancer, International Conference on Bio Resources in the development of Medicine, Bharathidasan University, Trichy, 20th -22nd September, 2007.

- Biochemical evaluation of oxidative stress in glioma, National seminar on “Cellular and Molecular Neurobiology in Health and Diseases”, Department of Biochemistry, University of Madras, 11th and 12th February, 2011.
- *In vitro* antiproliferative activity of sesamol on C6 glioma cell line, National level seminar on “Cognitive Brain & Issues”, Department of Biochemistry, Indo American College, Cheyyar, 11th April, 2014.
- The Inhibitory Effect Of *Costus Igneus* 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, 15th and 16th February 2018.
- Anticancer effect of the Medicinal Plant *Tinospora Cordifolia*, National Conference on “Unravelling Biometabolites with Bioactivity”, Department of Biotechnology and Bioinformatics, Bishop Heber College (Autonomous), Thiruchirapalli, Tamil Nadu, 25th February 2019.
- Antidiabetic potentials of *Senna alata* leaves on selected metabolic enzymes in Streptozotocin 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, 27th January, 2020.
- Presented a paper on “Pharmacological investigation of *Senna alata* (L.) leaf extract for anticancer potential – An *in-vitro* approach” in National conference on “Revolutionary Applications of Nutraceuticals and Functional foods as Next Generation Metabolites – A Biotechnological Approach via Sustainable Agriculture”, organized by Department of Biochemistry and Crop Physiology, SRM College of Agricultural Sciences, SRM Institute of Science and Technology, Baburayanpettai, Chengalpattu, 7th and 8th September 2023.
- Presented a paper on “Phytochemical Screening, FTIR and GC-MS analysis of *Brassica Oleracea* Flower Extract” in National conference on “Recent Advances in Chemical and Biological Applications of Chemistry in India”, organized by Department of Chemistry, Pachaiyappa’s College for Men, Kanchipuram, 30th January 2025.

POSTERS PRESENTED

- Production of therapeutic proteins in plants by recombinant DNA technology, „National symposium on Entrepreneurship Development for life Sciences“, Department of Biochemistry, Adiparasakthi College of Arts and Science, Kalavai, 20th and 21st January, 2013.
- Targeting the cellular signaling pathways in cancer cells by anticancer drugs, “National conference on recent advances and current trends in bioscience”, Department of Biochemistry, Asan Memorial College of Arts and Science, Chennai, 8th February, 2013.
- Biotechnology in pollution control, 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, 2nd and 3rd September, 2015.
- 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, 20th September, 2017.
- Therapeutic Applications Of Herbal Medicines For Cancer, National Conference on “Biochemical and Molecular Basis of Cancer”, Department of Biochemistry, Meenakshi Medical College Hospital and Research Institute, Kanchipuram, 19th October 2019.

ABSTRACTS PUBLISHED

- T.Sathyavani and **N.Rangarajan**, Expression of green fluorescent protein in transgenic mice. Proceedings of ELIXIR-2012; 23, ISBN – 978-93-81992-03 -6.
- M.Lavanya, M.Amudha, A.Samundeeswari, **N.Rangarajan**, The Origin and Evolution of Life: A Product of Cosmic, Planetary, and Biological Processes. Proceedings of ELIXIR-2012; 31, ISBN – 978-93-81992-03-6.
- L.Rekha, A.Swetha and **N.Rangarajan**, The treatment of contaminated water by sewage treatment plant. Proceedings of ELIXIR-2012; 24, ISBN – 978-93-81992-03-6.

- A.Kamatchi and **N.Rangarajan**, Antioxidant activity and medicinal uses of *Gymnema sylvestre*. Proceedings of ELIXIR-2012; 52, ISBN – 978-93-81992-03-6.
- Mr.Shanmugam S, Hemalatha V, Preethi M and Dr. Rangarajan N*. Phytochemical Screening, FTIR and GC-MS analysis of *Brassica Oleracea* Flower Extract. Proceedings of National Conference on Recent Advances in Chemical and Biological Applications of Chemistry in India. 2025. 94, ISBN – 978-93-49129-66-5.