

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



1.	Name of the Staff	Dr. K. AMUDHA
2.	Designation	ASSISTANT PROFESSOR
3.	Date of Joining	16.06.2015
4.	Mobile Number	9445251641
5.	E-Mail ID	amudhak225@gmail.com
6.	Nationality	INDIAN
7.	Academic Qualification	M.Sc., M.Phil., Ph.D.,
8.	Field of Specialization	Toxicology
9.	Ph.D Thesis Title	Effect of Naringin on nickel induced toxicity in rats
	Awarding University, Year of Award.	Annamalai University, 2012

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Sri Sankara Arts and Science College	Assistant Professor	16/06/2015 - Till Date
2	Sri Akilandeswari women's college, Vandavasi	Assistant Professor	09.09. 2014 - 05.06.2015
3	Sri Akilandeswari women's college, Vandavasi	Lecturer	01.12.1997 - 14.03.2008
4	King Nandhivarman college of Arts and Science, Thellar	Lecturer	09/12/1996 - 28/11/1997

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period
1	Sri Sankara Arts and Science College/Forum	Coordinator	2016- 2019
2	Sri Sankara Arts and Science College/community radio station	Core group member	2018- 2020

12. Publications:

S. No.	Title	Journal	Pages
1	Phytosynthesis, Characterization and Antimicrobial Activity of Copper Oxide Nanoparticles from Cassia auriculata.	Bioscience Biotechnology Research Communication	270-274
2	Bioremediation of cadmium	Emperor Journal of Life Science Research	22-30.
3	Alzheimer treatment using medicinal plants.	Emperor Journal of Life Science Research	13-21.
4	Comparative Study on Phytochemical Composition and Antioxidant Activity of Natural and Hybrid Variety of Papaya Leaves.	International Journal for innovative Research in Multidisciplinary Field.	17-23
5	In-vivo and In-vitro Antioxidant Activity of Troxerutin on Nickel Induced Toxicity in Experimental Rats	Journal of Pharmaceutical Research.	89-97
6	Accumulation of Nickel in the soil and analysis of physico-chemical parameters of soil collected from SIPCOT industrial complex, Cuddalore District, Tamil Nadu online.	Malaya Journal of Biosciences	2348-3075

7	Beneficial Protective Effect of Troxerutin on Nickel-Induced Renal Dysfunction in Wistar Rats.	Journal of Environmental Pathology, Toxicology and Oncology	1-14
8	Hepatoprotective role of naringin on nickel-induced toxicity in male Wistar rats.	European Journal of Pharmacology.	364–370
9	Antioxidant effect of naringin on nickel-induced toxicity in rats: an in vivo and in vitro study.	International Journal of Pharmaceutical Science and Research	72–79
10	Beneficial role of naringin, a flavanoid on nickel induced nephrotoxicity in rats.	Chemico-Biological Interactions	57-64.
11	Naringin improves nickel induced alterations of acetylcholinesterase, ATPase and oxidative stress in brain of rats.	Journal of Natural Products and Biomedical Research	6-11

13. Awards / Distinction:

S.No.	Name of the Award	Venue	Period

14. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period

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

a) Seminars/ Conferences organized/Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1	Webinar on “Traditional System of Medicine in Modern Healthcare”	Department of Biochemistry, Sri Sankara Arts and Science College, Kanchipuram	Participated	4 th January 2021
2	Two Days National Seminar on “Recent Trends in Life Science	PG& Research Department of Biochemistry and Department of	Participated	4 th & 5 th October 2019

		Microbiology, Bhaktavatsalam Memorial College for Women, Chennai		
3	International Conference on Stem Cell and Cancer Therapy (ICSC-2K19)	Department of Pharmacology, Saveetha Dental College and Hospital, SIMATS, Chennai	Participated	July 5th 2019.
4	National Workshop on Fundamentals of Medical Coding	Department of Biochemistry, Sri Sankara Arts and Science College, Kanchipuram	Organized	8 th March 2019
5	National Seminar on Recent Strategies in Regenerative Therapy	Department of Biochemistry Sri Sankara Arts and Science College, Kanchipuram	Organized	8th March 2018
6	National Seminar on Biomarkers in Clinical Research	Department of Biochemistry Sri Sankara Arts and Science College, Kanchipuram	Organized	7th March 2017
7	District level Science Exhibition “Elixir- 2018”	Department of Biochemistry Sri Sankara Arts and Science College, Kanchipuram	Organized	6th and 7th February 2018
8	National Seminar on Towards Achieving Excellence in Higher Education	Department of Biochemistry Sri Sankara Arts and Science College, Kanchipuram	Participated	15th December,2017
9	International symposium on health care system in cancer biology ‘can Bio’ 17	Adhiparasakthi College of Arts and Science, Kalavai.	Participated	20th September 2017
10	International conference on innovative Research in Life science	Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur	Participated	06th March 2017
11	State level symposium on Biopharmaceuticals	Adhiparasakthi College of Arts and Science, Kalavai	Participated	31st January 2017
12	Inter National Seminar on Emerging Paradigm in Cancer Therapy	Indo – American College, Cheyyar	Participated	17th August 2016
13	National Seminar cum Conference on Frontiers Research in Applied Biology and Environmental Science	King Nandhivarman College of Arts and Science	Participated	30th January, 2016
14	DST Sponsored 4th National Conference on Emerging Trends and New Challenges in Biotechnology – Bioenergy: A	M.G.R College, Hosur	Participated	18th and 19th February 2016

	Step towards Sustainable Future organized			
15	National symposium on “Recent Advances in Biomedical Technology” (RABT 2015)	Thiruvalluvar University, Serkkadu, Vellore	Participated	26 th and 27th Feb 2015.
16	UGC Sponsored National Seminar on “Nanomedicine and Phytotherapy- Current Senario and future Prospects”- (NMPT-2015)	Islamiah college, Vaniyambadi	Participated	11&12th March 2015.
17	National conference in Neoperspectives on chemical, Biochemical & Microbial World (NCBMW- 14’)	Akilandeswari women’s college, Wandavasi	Participated	10&11th October 2014
18	National conference on “Frontiers in Biology” & The Annual Meeting of the Society of Bioioical Chemists(INDIA)	Annamalai University, Annamalainagar	Participated	Feb 20, 2010.
19	National conference on “Frontiers in Biology” & The Annual Meeting of the Society of Bioioical Chemists(INDIA)	Annamalai University, Annamalainagar	Participated	Feb 14, 2009.
20	State level seminar on Prospects in Biotechnology (BIOTECHNOFEST-2003)	Akilandeswari women’s college, Wandavasi,	Participated	13th December 2003.
21	Seminar on Trends in Molecular Biology and Biotechnology organized by, Department of Zoology,	University of Madras, Guindy Campus	Participated	20th August 1999.

b) Webinars Participation:

S.No.	Name of the Webinar	Organized By	Date
1	National webinar on “ NAAC – Revised Accreditation Framework: Pathway to Excellence in HEI ”.	IQAC, Sri Sankara Arts and Science College	19th February, 2021.
2	Webinar on COVID-19 Vaccines in India.	Department of Biotechnology, SRM Arts and Science College, Chennai	27 th February 2021
3	National Webinar - “ Overview of Signal Transduction and Role of G Proteins ” on	Department of Biochemistry, Soka Ikeda College of Arts & Science for Women, Chennai	02 nd December 2020.

4	International Webinar & 3rd National Conference of The Society for Alternatives to Animal Experiments	National Centre for Alternatives to Animal Experiments (NCAAE), Bharathidasan University, Tiruchirappalli	December 28, 2020.
5	National Webinar on “Patenting Inventions in India”	Ethiraj College For Women (Autonomous) , Chennai	Chennai, 16.05.2020.
6	International webinar on Biochemical perspectives	Kamaraj college of engineering and technology	Madurai. 28 - 30.05.2020
7	webinar on “Electron Microscopy: An Essential Tool For Nanomaterials Characterization”	Hindustan College Of Arts And Science (Autonomous)	Coimbatore 29-05-2020
8	Webinar titled “Next-Generation Genomics For Crop Improvement To Address Hunger And Malnutrition During Covid-19”	School of Life Sciences, VISTAS, Chennai.	Chennai, May 21, 2020
9	International Webinar on “Next Generation Sequencing Methodologies & Applications”	Bhaktavatsalam Memorial College For Women	Chennai, 25th May 2020.
10	Webinar on “How to ace online teaching using free tools “	St. Thomas College of Arts and Science	Chennai, 23rd May 2020
11	Webinar on “Medicinal Plants - The Potential Therapeutic Sources for Human Diseases and Disorders”	Ethiraj College For Women (Autonomous) College, Chennai	Chennai, 09.05.2020
12	participated in the “COVID-19 Stress Management Through Yoga”	Nature Science Foundation, Coimbatore, Tamil Nadu, India	Coimbatore, 17th May 2020
13	National level Webinar on “Technological tools to manage the pandemic situations using Biological data and Artificial Intelligence”	Dhanalakshmi sreenevasan institute of research and technology	Perambalur, 11th May 2020
14	International Webinar on “Covid 19 and Global Challenges ”	Vels institute of science and technology	Chennai on May 27, 2020

15	webinar “Guidelines for the management of health and hygiene in COVID-19 pandemic”	SRM arts and science college	18 May 2020
16	“Where are we with vaccine and Treatment for COVID-19”	Prince Shri Venkateshwara Arts and Science College	Chennai, 13.05.2020
17	International Webinar on STEM Cell Research – SARS-Cov-2 (COVID-19)	Vinayaka Mission’s Kirupananda Variyar Engineering College	Salem, 23.05.2020
18	“Taking research forward during the pandemic”	Loyola college	Chennai, 20.05.2020

c. FDP attended

S.No	Name of the FDP	Name of the Sponsoring Agency	Place and Date
1	One-day Faculty Development Programme on “Formulation of Research Problem and Research Funding”	IQAC, Anwarul Uloom College of Business Management, Telangana	04 th December 2020.
2	National Level Faculty Development Programme on “REDEFINING THE ROLE OF TEACHERS”	Department of Computer Applications under the guidance of IQAC	13th December 2020.
3	One-week Faculty Development Programme on “Stress and Anger Management”	Jaipur Engineering College and Research centre, Jaipur.	15.12.2020 to 19.12.2020
4	“My life My pride My career”	Patrician college of arts and science, Chennai	18 th may 2020
5	“Recent Trends and Strategies In Applied Life Sciences”	Department of Biotechnology, Prathyusha Engineering College,	19th to 25th June 2020
6	“Transcending From Fixed To Growth Mindset in Turbulent Times”,	Sri Sankara Arts and Science College (Autonomous)	July 4, 2020.
7	“Best Practices in Research”	IQAC of Sree Narayana College, Nattika, Thrissur, Kerala	02/11/2020, 04.11.2020 & 07.11.2020.

8	“Stress Management”	Department of Computer Science, Sree Narayana Guru College, Coimbatore	27th November 2020
9	“Recent trends in Molecular Biotechnology”	Department of Biochemistry, Ethiraj College For Women (Autonomous), Chennai	June 3rd & 4th,2020
10	‘High impact Teaching Skills and Mind Mapping for Better Teaching’	Department of Commerce, Manipal Academy of Higher Education, Manipal.	19th and 20th August 2020
11	“Work life balance through life style changes”	AMET, Academy of maritime education and training, Chennai	27 th June 2020
12	“Project proposal for funding agencies(UGC STRIDE & ICSSR IMPRESS): preparation and submission protocol”	Patrician college of arts and science, Chennai,	16.05.2020 and 17.05.2020

d) Seminars/ Conferences Presented Paper or Poster:

S. No.	Program Attended	Place	Presented Poster/Paper	Period
1	One day International Conference on Advances in Medical Science and Molecular Biology (AMSMB-20).	PG & Research Department of Microbiology, Idhaya College for Women, Kumbakonam.	Paper	27th January, 2020.
2	International Conference on Integrative nature of life science and its challenges in Research	Department of Biochemistry, Theivanai Ammal College for Women (Autonomous), Villupuram	Paper	6th September, 2019
3	International conference on innovative Research in Life science by Life science	Department of Biochemistry, Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur,	Paper	06 th March, 2017.
4	Biometabolites with Bioactivity (NCUBB'19)	Department of Biotechnology, Bishop Heber college, Trichy.	Paper	25 th Feb 2019.
9	National Seminar cum Conference on Frontiers Research in Applied Biology	King Nandhivarman College of Arts and Science, Thellar.,	Paper	30 th January, 2016

	and Environmental Science			
10	National conference in Neoperspectives on chemical, Biochemical & Microbial World (NCBMW- 14')	Department of Chemistry, Biochemistry & Microbiology, Akilandeswari women's college, Wandavasi,	Paper	10&11 th October 2014.

16. Participated as Resource Person:

S.No.	Program	Venue	Period

17. Workshop & Training Programmes:

S.No.	Programe	Venue	Period
1	Workshop on Operationalisation of community radio station	Sri Sankara Arts and Science College, Kanchipuram	18-24 th November 2018
2	National Workshop on Statistical Methods In Biological Research (SMBR-2016)	StJoseph's college of Arts And Science (Autonomous), Cuddalore	24 th February 2016
3	State Level Workshop on Techniques In Animal Experiments (EXPZ BIO-14)	Adhiparasakthi college of Arts and Science (Autonomous), Kalavai	27 th 2014.
4	Workshop on Molecular Biology Technigues and Bioinformatics Tools and Softwares, 2009	D.K.M College for Women, Vellore	9 th and 10 th January 2006.
5	National workshop on Antidiabetic Medicinal Herbs: Screening and Biotechnology	Annamalai University, Annamalainagar	27 th and 28 th March 2009
6	One day workshop on instrumental method of analysis	Vellore institute of technology, Vellore	7 th January 2006.

18. Projects Completed:

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

19. Any other Details:

M. Phil., Supervisor - University of Madras

ADDITIONAL QUALIFICATIONS:

B.Ed., in Physical Science – May' 2014, Tamilnadu Teachers Education university, Chennai, Tamilnadu.

Panted Webinar (Online Mode)

- National Level Webinar on "Intellectual Property Rights in India" organised by the IPR Cell - Sree Narayana Guru College, Coimbatore on 2nd November 2020.
- Webinar on "Patenting in Biotechnology: Indian Perspectives" Organized by Department of Biotechnology, Sree Narayana Guru College, Coimbatore on 21st November 2020.

FIELD VISITS ORGANIZED

- Organized field visit for III B. Sc Biochemistry students to Periyar Science Park, Chennai on 23th Feb 2018.
- Organized field visit for I and II M. Sc Biochemistry students to Sophisticated Analytical Instrument Facility (SIAF), Indian Institute of Technology, Chennai on 20th Sep 2019.
- Organized field visit for III B. Sc Biochemistry students to Perunthalaivar Kamaraj Krishi Vigyan Kendra, Kurumbapt, Puducherry on 20th Dec 2019.