

Dr. C.Sharmila

Assistant Professor,
PG and Research Department of Biochemistry,
Mohamed Sathak College of Arts and Science
Sholinganallur, Chennai-600119.
Phone Number: 8489019508/ 8608159932
E.Mail ID: sharmilife26@gmail.com



Research Specialization: Diabetes and Biogeochemistry

Research Guidance: Nil

Education Details:

Name of the Degree	College	University	Duration
Ph.D Biochemistry	University of Madras, Guindy Campus	University of Madras	2015 – 2020
M.Sc Advanced Biochemistry	University of Madras, Guindy Campus	University of Madras	2013 – 2015
B.Sc Biochemistry	Sacred Heart college, Tirupattur, Tamil Nadu, India	Thiruvalluvar University	2010 – 2013

Academic Experience:

Organization /College	From	To	Designation
Department of Biotechnology, Indian Institute of Technology Madras, Chennai-36, Tamil Nadu	July 2015	Dec 2015	Project Assistant
UGC-UPE Phase II Programme – “Herbal Science Drug Development- Theme ‘A’ project II at Department of Biochemistry, University of Madras	Dec 2015	July 2017	Project fellow
Mohamed Sathak College of Arts and science	July 2022	Till Date	Assistant Professor

Awards and Honours:

1. Awarded First Prize for Proficiency in Studies for the periods of 2010-2013 from Department of Biochemistry, Sacred Heart College, Tirupattur, and Vellore District.
2. National level seminar on “Recent Advances in Antiviral Drug Design and Discovery Against Emerging and Re-emerging Viral Diseases, Won “**Best Poster Award**” organized by Kalasalingam University, Krishnakoil.
3. “National conference on Phytochemicals in Medicinal Plants and Food” Won “**Best Paper Award**”, organized by Bharathidasan University Constituent College for Women, Orathanadu – 614625.
4. Presented a paper at the international Conference on Emerging Areas of Biotechnology for Human Welfare and Bio-entrepreneurship (CEBHE 2018) won “**First Prize**” organized by B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai.

WORKSHOPS ATTENDED:

S.No	Name of the Workshop	Held on	Organiser
1.	Internship training on “ Emerging Trends in Bio-Research Techniques”	1 st to 15 th June 2019	Meenakshi Academy of Higher Education and Research & Meenakshi Ammal Dental College and Hospital, Central Research Laboratory

CONFERENCE ATTENDED:

INTERNATIONAL AND NATIONAL CONFERENCES: [Presented and participated]

S.No	Conference Name	Research Paper \ Title	Held on	Organiser
1.	Participated in the State level Conference on Recent Trends in Biochemistry with special reference in Nanotechnology and oncology	Participated	16th September 2010	Sacred Heart College, Tirupattur, Vellore District, Tamil Nadu.
2.	Participated in the State level Conference on Recent Trends in Biochemistry with special reference in Neurotoxicity and Bioremediation	Participated	20th September 2011	Sacred Heart College, Tirupattur, Vellore District, Tamil Nadu
3.	Participated in the National Conference on “ The Role Of Free Radicals in Health and Diseases”	Participated	27 th & 28 th January 2012	Department of Biochemistry, University of Madras, Guindy Campus, Chennai- 600025
4.	Participated in the International Seminar on Cell, Drug & Nanotechnology	Participated	27 th December 2012	Shanmuga Industries Arts & Science College, Thiuvannamalai-606601

5.	Participated in the National Seminar on Lifestyle Disease- Causes & Prevention	Participated	22 nd January, 2014	DG Vaishnav College, Chennai- 106
6.	Presented a poster on National Conference on Natural Products as therapeutics, Medical Microbiology, Nanobiology and system biology : Current Scenario & Emerging Trends, “ NATCON”	Presented a Poster	18 th & 19 th September 2014	PG & Research Department of Biochemistry, Microbiology, Biotechnology & Bioinformatics, Mohamed Sathak College of Arts & Science, Shollinganallur, Chennai - 600119
7.	One – Day National Seminar and Inauguration of Chennai Chapter of Society For Neurochemistry, SNCL,(INDIA)	Participated	8 th May, 2015	Department of Biochemistry, University of Madras, Guindy Campus, Chennai- 600025
8.	“National conference on Phytochemicals in Medicinal Plants and Food”	Presented	30&31 st July 2015	Bharathidasan University Constituent College for Women, Orathanadu - 614625

S.No	Conference Name	Research Paper \ Title	Held on	Organiser
9.	Presented a paper in National Conference on Innovations in Chemical Sciences (NCIC-2016)	Presented	28th to 30th January 2016	Gurunanak College, Velachery, Chennai-42
10.	The National Conference on Novel Trends in Biotechnology and Neuroscience	Participated	23 rd September 2016	Sacred Heart College, Tirupattur, Vellore District, Tamil Nadu
11.	Participated in the Annual Conference of Research Society for the Study of Diabetes in India, (RSSDI)Tamil Nadu Chapter	Participated	1 st & 2 nd October 2016	Research Society for The Study of Diabetes in India, Tamil Nadu Chapter, Annual conference
12.	The National Conference on Biodiversity, Biology and Biotechnology of Algae (NCBBBA-2017)	Participated	9th and 10th January 2017	CAS in Botany, University of Madras, Guindy Campus, Chennai-25
13.	The National Seminar on The Biology of Aging- An Overview	Participated	28th February 2017	Justice Basheer Ahmed Sayeed College for Women in Chennai.
14.	The International conference on NCD- 2017	Presented	22nd - 24th September, 2017	Annamalai University, Annamalai Nagar
15.	National level seminar on "Recent Advances in Antiviral Drug Design and Discovery Against Emerging and Re-	Presented	24th and 25th October 2017	Kalasalingam University, Krishnakoil

	emerging Viral Diseases. Won “Best Poster Award”			
16.	Presented a paper at the National Conference on Interdisciplinary Research and Innovations In Biosciences “NATCON-2018”	Presented	24 th – 25 th January 2018	PG & Research Department of Biochemistry, Mohammed Sathak College of Arts and Science, Sholinganallur, Chennai – 600119
17.	“National conference on Phytochemicals in Medicinal Plants and Food” Won Best Paper Award	Presented	1 st February, 2018	Bharathidasan University Constituent College for Women, Orathanadu - 614625
18.	Presented a paper at the international Conference on Emerging Areas of Biotechnology for Human Welfare and Bio-entrepreneurship (CEBHE 2018) won “ First Prize ”	Presented	11 th & 12 th , September 2018	B.S.Abdur Rahman Cresecent Institute of Science and Technology, Vandalur, Chennai.
19.	Presented a paper at the National Conference on “Emerging Trends in Biomaterials and its Applications for Society Needs”	Presented	12 th September, 2018	Hindustan College of Arts and Science, Department of Microbiology, Padur, Chennai.
20.	The national conference on RIPP- 2018	Presented	26 th & 27 th October, 2018	Annamalai University, Annamalai Nagar
21.	National Conference on “How Vital is Research in Medical & Dental Field”	Presented	27 th June, 2019	Meenakshi Academy of Higher Education and Research & Meenakshi Ammal Dental College and Hospital, Central Research Laboratory

22.	International conference on “Recent Advances in Herbal Drug Standardization” Antiviral Research Society	Presented	14 th – 15 th December, 2019	Antiviral Research Society, Aravindh Herbal Labs Ltd., Rajapalayam.
23.	Prof.T.V.Desikachary Birth International Symposium on Biodiversity, Biology and Biotechnology of Alage, (ISBBBA-2020)	Presented	8 th to 10 th January 2020	Centre for Advanced studies in Botony, University of Madras, Guindy Campus, Chennai- 600025

RESEARCH PUBLICATIONS

1. GTF-231, a Mixture of Gymnemic Acid, Trigonelline and Ferulic Acid Significantly Ameliorates Oxidative Stress in Experimental Type 2 Diabetes in Rats. Roshana Devi Vellai MSc, **Sharmila Chandiran** MSc, Subramanian Sorimuthu Pillai. *Can J Diabetes* 42 (2018) 237–244.
2. Amelioration of Diabetic Dyslipidemia by GTF – 231 (Gymnemic acid, Trigonelline and Ferulic acid- 2:3:1), a phytochemical preparation Studied in High Fat Diet Fed- Low Dose STZ Induced Experimental Type 2 Diabetes in Rats. (2018). V. Roshana Devi, **C. Sharmila** and S. Subramanian. *J diab Obes* 5(1): 1- 9.
3. Molecular Docking Studies Involving the Inhibitory Effect of Gymnemic Acid, Trigonelline and Ferulic Acid, the Phytochemicals with Antidiabetic Properties, on Glycogen Synthase Kinase 3 (α and β). V. Roshana Devi, **C. Sharmila**, S. Subramanian. *Journal of Applied Pharmaceutical Science* 8 (04); 2018: 150-160.
4. Endemic Fluorosis in Vellore District, Tamil Nadu – A Bio-Geochemical Approach. **C. Sharmila** and S. Subramanian. *International Journal of Pharmaceutical Sciences Review and Research*, 2019, 54(2), 58-66.
5. Evaluation of Antimicrobial Activity of Immature Palmyra Palm (*Borassus flabellifer* linn.) Fruits. Krishnamoorthy Renuka, **Chandiran Sharmila**, Sorimuthu Pillai Subramanian. *Int. J. Pharm. Sci. Rev. Res.*, 55(1), March - April 2019; Article No. 10, Pages: 50-57.
6. In silico Studies on the Inhibitory Nature of GTF -231(Gymnemic Acid, Trigonelline and Ferulic Acid in the ratio of 2:3:1), an Ayurvedic Preparation on the Activity of Phosphoenol Pyruvate Carboxykinase. **Sharmila C**, Subramanian S. *International Journal of Pharmaceutical and Clinical Research* 2019; 11(1): 23-29.
7. Studies on the Defluoridization Competency of a Mixture of Raw Vermiculite and *Strychnos potatorum* linn. Seeds. **Sharmila C**, Subramanian SP. *Der PharmaChemica*, 2019, 11(4): 38-43.
8. In vitro antioxidant properties of *Strychnos potatorum* (nirmali) Seeds. **Chandiran Sharmila** and Sorimuthu Pillai Subramanian. *International Journal of Recent Scientific Research*, 2020, 11(1): 36839-44
9. Evaluation of Antidiabetic and Antioxidative Efficacy of *Strychnos potatorum* (Nirmali) Seeds Extract in High Fat Diet Fed- Low Dose Streptozotocin Induced Experimental Type 2 Diabetes in Rats. **Chandiran Sharmila** and Sorimuthu Pillai Subramanian. *Diabetes* 2020; 6(1): 1-8.
10. Biochemical Evaluation of Antidiabetic properties of *Strychnos potatorum* Seeds extract studied in High Fat Diet Fed- Low dose Streptozotocin induced experimental type 2 diabetes in Rats. **Chandiran Sharmila**; Krishnamoorthy Renuka; Sorimuthu Pillai Subramanian. *Research J. Pharm. and Tech.* 13(6): 2020; 2615-2623.