ANNEXURE



Name :Dr. SURENDIRAN THIRUGNANASAMBANDAN

Designation : TEACHING FELLOW

Mail ID :surendra.thirugnanasambandan@gmail.com

Mobile No :8248767309

Area of Interest/Research

Organic Synthesis & Drug Design,
Bioethanol from Agro- waste & Bio plastic
Effluent Water Treatment & Adsorption Studies

Educational Qualifications – M.Sc., M.Phil., Ph.D

S.No	Qualification	Specialization	Year of Pass
1	B.Sc	Chemistry	1993
2	M.Sc	Chemistry	1995
3	M.Phil	Chemistry	1999
4	Ph.D	Organic Chemistry	2011

Experience - 25.9 Years

Name of Company / Institutions	Designation	Year of Experience
Bhaktavatsalam Polytechnic , kancheepuram	Lecturer	1
Sri Muthuthukumaran Institute of Technology , Mangadu, Chennai	Lecturer	9.5
DireDawa University, DireDawa, Ethiopia	Asst Professor in Organic Chemistry	2
SAMS College of Engineering & Technology ,Panapakkam, Chennai	Professor	1.7
Chennai Institute of Technology , Kundathur, Chennai	Professor	1.6
University College of Engineering , Ariyalur	Visiting Faculty	6.7
University College of Engineering , Ariyalur	Teaching Fellow	3.4

Additional / Academic Responsibilities at Institution/University Level:

1. National Service Scheme and Youth red Cross -Programme officer between 2001 -2006 at Sri Muthukumaran Institute of Technology, Chennai.
2. Anna University squad Member -2005-2007 Semester exam.
3. Chairman & Exam Cell Coordinator- SAMS College of Engineering and technology, Chennai.

Professional Activities

-Nil-

UG/PG Projects Completed

-Nil-

Sponsored Research Activities

-Nil-

Membership in professional Societies

-Nil-

List of Seminar / Short Term Course /FDP/ Workshop attended

1. Workshop on Rain Water Harvesting (12.12.2002), Department of Civil Engineering, Adhiparasakthi Engineering College, Melmaruvathur-603319, India.
2. Workshop on E-waste Management (12.08.2011), Micro Small and Medium Enterprises, Development Institute, Govt. of India, Chennai.

International / National Conferences Participated

1. **Surendiran T**. and Sukoor Bhasha. 9^{th} and 10^{th} (February 2001),'Syntheses, and characterization [N-(α-Substituted benylidene hydrazino) acetyl]-1,2,3,4-tetrhydrocarbazole" in National Symposium on Metallo-Organic Chelates and Recent Advances in Chemistry, Presidency College, Chennai-600005, India.
2. **Surendiran T**, Balasubramanian S. and Sukoor Bhasha. 9^{th} and 12^{th} (January 2006),'Syntheses, Characterization and Anti-microbial activity of [N-(α- Substituted benylidene hydrazino) acetyl]-1,2,3,4-tetrhydrocarbazole" in International Symposium on Advances in Organic Chemistry, Mahatma Gandhi University, Kottayam, Kerela, India .

3. **Surendiran T**., Balasubramanian S. and Sivaraj D. 23rd (February 2007), 'A rapid Synthesis for Fisher Indolization by Microwave Irradiation in Acidic Alumina Medium', in National Seminar on Non-Conventional techniques in Synthesis, Ethiraj College for Women, Chennai-600008, India.

4. **Surendiran T.,** Balasubramanian S. and Sivaraj D. 27th and 30th (January 2010), 'Microwave Assisted Synthesis of N-(Pyrazolo acetyl)- 1,2,3,4-tertahydro carbazoles', in International Conference on Green Technologies for Greener Environment, Chaudhary Charan Singh University, Meerut, Uttarapradhesh-250005, India.

5. **Surendiran T**., Balasubramanian S. and Sivaraj D. 2nd (February 2010), 'Syntheses and characterization of N-((2,4a-dihydro-3-substituted phenyl thiazolo[3,2-b]-[1,2,4,6]-thiatriazin-1-yl))-1,2,3,4-tetrahydrocarbazole', in National conference on Recent Advances in Materials and Methods of Chemistry, SRM University, Kattankulathur-603203, India.

6. Balaji.S**, Surendiran.T**. and Tamilmani.V, "A Survey of Non-Conventional Energy Resources and Resource Management in India"- Raja Saraboja Arts and Science College-Tanjavur.

7. Sathish Gandhi. V. C, **Surendiran. T**, Thamilmani. S, Puthiyavan. P, Sekar. M (20.03.2015)"Performance of PCM towards Thermal Comfort for Residential Buildings"-National Conference on Convergence on 2015-Bharath University, Saliyur, Chennai, India.

8. Sreeraman. N., Sathish Gandhi. V.C., **Surendiran. T** (20.03.2015) "A Study of Bio-Polymer Composite for Engineering Applications"- "- National Conference on Convergence on 2015-Bharath University, Saliyur, Chennai, India.

9. Surendiran.T (24.02.2017) "Mechanical Study of Bio polymer" International Conference on Innovations in Engineering Technology and Science (ICIETS-2017) – K. RamaKrishnan College of Engineering, Tamilnadu

10. Surendiran.T (24.02.2017) " Mechanical and Biodegradable Properties of Chiston-Nano Clay Composites " International Conference on Newer Engineering Concepts & Technology 2017 K.RamaKrishnan College of Engineering, Tamilnadu.

11. Deepa Rajasekaran , Surendiran Thirugnanasambandan., Sivaraj Dhesingh., NDUSTRIAL PROCESSING OF CELLULOSIC BIOETHANOL FROM AGROWASTE USING 2G TECHNOLOGIES , on 8th March 2024 at ICREMER 24 conference , Chennai, India

12. V.Prabhu , Dr.T.Surendiran., Dr. Raja M., “"SYNTHESIS AND CHARACTERIZATION OF CHITOSAN NANO BIOCHAR FOR ADSORPTION OF TEXTILE EFFLUENT DYES" on 8th March 2024 at ICREMER 24 conference , Dhanalkshmi College of Engineering and technology, Chennai

Publications in International Journals/ National Journals

1. **Surendiran T**., Balasubramanian S. and Sivaraj D. (2009), **‘Microwave** Syntheses of Ellipticine Analogues via Doebner-Miller Synthesis and their Biological Behavior’, Research Journal of Chemistry and Environment, Vol.13, No.1, pp 81-84
   Scopus Indexed impact factor 0.245

2. **Surendiran T.**, Balasubramanian S. and Sivaraj D. (2009), ‘Microwave assisted Synthesis of novel 1, 2, 3, 4-tetrahydrocarbazolyl thiazolidin-4-ones and azetidin-2- ones and its Biological Behavior’, E-J of Chemistry, Vol.6, No.S1,pp S375-380
   Scopus Indexed impact factor 2.506

3. Murugavel S., Kannan S.P., Subbiahpandi A., **Surendiran T**. and Balasubramanian S. (2008), ‘2,3,4,9-Tetrahydro-1H-carbazoles’, Acta Crystalographica , E64, o2433.
   Scopus Indexed, Impact Factor 1.234

4. **Surendiran T**., Balasubramanian S. and Sivaraj D. (2008), ‘Synthesis and Characterization of Novel Isoxazolyl and pyrazolidine 2, 3,4,9-tetrahydro-1H-carbazoles and their Antimicrobial studies’, Organic Chemistry: An Indian Journal, Vol.4,Issue6-8, pp 427-433.

5. **Surendiran T**., Balasubramanian S. and Sivaraj D. (2008), 'Improved Synthesis of 1,2,3,4-tetrahydrocarbazoles Under Ultrasonic Irradiation', Organic Chemistry: An Indian Journal, Vol.4,Issue 9-11, pp 478-481. **Citation.1**
6. **Surendiran T**., Balasubramanian S. and Sivaraj D. (2009), 'An efficient N-acylation of 1,2,3,4-tetrahydrocarbazole under Solid Grind methodology in dry media ', Organic Chemistry: An Indian Journal, Vol.5,Issue 2, pp 229-232.

7. **Surendiran T**.(2012) "Synthesis of Novel N-acetyl-(3-substituted-1H-pyrazole-(4H)-5-on-yl-1,2,3,4-tetrhydrocarbazole and its antimicrobial studies" Der Pharma Sinca, Vol. 3(1) pp156-159 ***Citations.:3***
8. Sathish Gandhi. V. C, **Surendiran.T**,(2015) Thamilmani. S, Puthiyavan. P, Sekar. M (2015)"*"Performance analysis of bio-polymer composites"*, International Journal of ChemTech. Research, *vol. 7 (7), Paper No. 88* **impact Factor 1.819**

9. Sreeraman. N., Sathish Gandhi. V.C., **Surendiran. T** (2015) "Analysis of thermal comfort in a prototype residential model building - A Novel PCM Composites", International Journal of ChemTech Research, vol. 7 (7), Paper No. 89. – pp. 450-456 **impact Factor 1.819**
10. **Surendiran.T** (2015) "Studies on anti-inflammatory behaviour of chalconyl, isoxazolinyl and pyrazolinyl 1, 2, 3, 4-tetrahydrocarbazoles",International Journal of Pharma Tech, *vol. 7 (7), Paper No. 88* – pp.160-16*8* **Global impact Factor 0.819**

11. **Surendiran.T,** (2015) **"**Syntheses and antimicrobial studies of novel n-((2, 4-dihydro-3-substituted phenylthiazolo -thiatriazin-1-yl))-1, 2, 3, 4-tetrahydrocarbazoles", International Journal of Applied Chemistry-Vol.13 .pp-123-125, Scopus Indexed impact factor 0.614

12. Surendiran.T et al., (2019),"A Survey on solid waste management in Tamilndu districts by using Sampling Techniques ", Vol. (2) , 602-617,Journal of Mechanics of Continua and Mathematical Sciences. Scopus Indexed impact factor 3.0048

13. **Surendiran.T., et al.,** (2019), "A Study on Polio vaccination in Tamilnadu", Vol.8 (1), 520- 532, International Journal of Recent Technology and Engineering, **Scopus Impact factor 0.259**

14. **Surendiran .T et al.,** (2021), "A Study on Air Pollution and Health Risks in Tamilnadu Districts" , International journal of Management and statistics **Scopus Indexed impact Factor 0.259**

15. **Surendiran.T et al.,** (2021), "A report on analysis of Hepatitis vaccine in Tamil Nadu sing sampling techniques" vol. 51(1), 597-605, **PENSEE Journal .Scopus Indexed impact factor 0.110**

16. S. Umamageshwari, G.Manonmani **Surendiran. T** (2021) **"**Review of Plant-Bast Fibres for Textile Industries" Vol. (3) , 60-63 , Asian Textile Journal **.Scopus Indexed Impact factor 0.610**

17. Sreeraman, Sathish Gandhi, **Surendiran.T**, Kumaravelan (2022)"Studies on Thermal and Morphological behavior of Coconut Shell and Palm Kernel Shell Composites" Vol.(24) issue 14, Page 1-14, Maderas Cienciay Tecnología **Scopus Indexed Impact factor 1.777**

Conferences Conducted

1. National conference on Recent Trends in Solid Waste Management —17th March 2012 –Convener Science City- Sponsored at Chennai Institute of Technology, Chennai.
2. International Conference on Advances in Manufacturing Technology- 2012 - CSIR Sponsored at Chennai Institute of Technology, Chennai

Invited Lectures

Nil

Awards

-NIL-

Fellowships and Grants

Nil

List of Ph.D Research Project Completed

-Nil-

List of Ph.D Research Project Ongoing

Nil-

Consultancy Activities

-Nil-