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SAI RAM INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF CHEMISTRY

Name : **S.SUMATHI**
Designation : **ASSOCIATE PROFESSOR**
Email : **sumathi.chem@sairamit.edu.in**
Qualification : **M.Sc., M.Phil., (Ph.D.)**
Specialization : **Chemistry**
Research Interest : **ORGANIC CHEMISTRY**



Experience in years : **Teaching UG** **PG** **Industry**
No. of Workshop/Conferences/
FDP attended : **Workshop** **Conferences** **FDP**
No. of Workshop/Conferences/
FDP Organized : **Workshop** **Conferences** **FDP**

Professional Membership	<ol style="list-style-type: none">1. LIFE MEMBER OF THE INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) FROM 2012 ONWARDS.2. IEEE MEMBER FROM 2022 ONWARDS3. MEMBER IN IEEE PHOTONICS SOCIETY4. MEMBER IN IEEE RELIABILITY SOCIETY5. MEMBER IN IEEE OCEANIC ENGINEERING SOCIETY6. MEMBER IN ELECTRON DEVICE SOCIETY7. MEMBER IN NANOTECHNOLOGY COUNCIL
Publications	National: - 3
	International: -2

	Book: -
Research Funded Projects	
Patents	4
Achievements	
Any Other Information	--

List of Publications:-

1. Microwave-Assisted Synthesis Of Novel Piperidone Derivative Comportment Amino-Aryl Moiety And Their Crystal Structure Assessment S Swaminathan, Cc Kanakam - Iranian Journal Of Organic Chemistry 2017,4 (9), 2233-2239

2. A Facile Solid State Synthesis And Antimicrobial Activity Studies On Some Piperidone Derivatives s.Sumathi, k.Charles Christopher.A.Nepolraj And S.Ilayarajinternational Research Journal Of Pharmacy,2019 10 (10), 104-108

3.Synthesis, Characterisation And In Silico Analysis Of 4-(4- (Dimethylamino)Phenyl)-6-Ethyl-1,3-Diphenylpiperidin 2-One As An Inhibitor Of Colon Cancer 7-S Sumathi, Cc Kanakam, J Chellam International Research Journal Of Pharmacy Int. Res. J. Pharm. 2018, 9 (11)

4.Microwave Assisted Synthesis Of Noval Piperidone Derivatives Bearing Amino Aryl Moiety And Their Anti Microbial Activity Assessment S Sumathi, k.Charles Christopher Heterocyclic Letters ,2017,7 (4), 1085-109

5. Synthesis, Characterisation, Anti-Cancer Activity And Docking Studies Of 4-(4-(Dimethylamino) Phenyl)-1, 3, 6-Triphenylpiperidin-2-One S Sumathi, CC Kanakam, B Thanuja - Research Journal Of Pharmacy And Technology,2022 15 (6), 2483-2485

List of Patent :

1. Granted a Patent on Water Purifying And Flavor Infusion Devices , Design No. : 347851-001 Date : 12/08/2021
2. Published a patent on An optimized bellow to increase theefficiency and stability of the pipe joints, Application number: 202141008189A, Published date: 05/03/2021.
3. Published a patent on Synthesis, Characterization, Antimicrobial And Anticancer Activities Of Pyrimidine, Pyridine Based Benzamide Derivatives, Application No.202241071803 A, Publication Date : 30/12/2022.
4. Published a patent on ZNO Nanoparticle Coated Cassia Auriculata Flower, Gumin, Fenugreek, Aspartame Grinded Powder Mixed Chewable Tablet For Diabetic Control, Application No.202241071813 A, Publication Date : 30/12/2022.

Workshop / Conferences / FDP Attended: -

1. Attended a One Day National Workshop on “**Role of polymers in modern engineering materials**” organized by the Department of Science & Humanities at Sri Sairam Institute of Technology on 12th March, 2013.
2. Attended a One Day National Workshop on “**Modern techniques for the characterization of polymeric materials**” organized by the Department of Science & Humanities at VIT on 12th March, 2013.
3. Attended a One Day National Workshop on “**Green Composites**” by the Department of Mechanical Engineering at Sri Sairam Institute of Technology, on 27th August, 2014.
4. Attended a One Day Seminar on “**Recent trends in Renewable Energy**” by Department of Electrical and Electronics Engineering at Sri Sairam Institute of Technology, on 31st March, 2015
5. Attended a Two Day National Workshop on “**Revealing the Advancements in material sciences**” by Department of Mechanical Engineering at Sri Sairam Institute of Technology, on 19th -20th July,2016
6. Attended a Faculty Development Programme on “**Teaching excellence in engineering and management curriculum**” at Sri Sairam Institute of Technology, on 20th -21st July,2016.
7. Attended an International Conference on “**Green chemistry and sustainable environment**” by Department of Chemistry at B.S.Abdur Rahman University, on 2nd - 3rd August, 2016
8. Attended a Faculty Development Programme on “**Characterization of materials**” by Department of Physics at Sri Sairam Institute of Technology, on 20th -21st July,2017
9. Attended a Three Day National Workshop on “**Computational Tools in Bimolecular Research**” at Satyabama University on 06th - 08th February, 2019.
10. Attended a Faculty Development Programme on “**Creative Thinking**” conducted by ICT Academy at Sri Sairam Institute of Technology, on 06th - 07th May, 2019.
11. Attended a Faculty Development Programme on “**Teaching Techniques**” conducted by ICT Academy at Sri Sairam Institute of Technology, on 12th - 13th July, 2019.
12. Attended a Five day Faculty Development Programme on “Chemistry Significance in Engineering, Pharmacy, Nano Technology and Environment (CEPNE-2020) conducted during 2nd to 6th June 2020.
13. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Alternate Fuels" from 2020-9-1 to 2020-9-5 at Engineering College Bikaner.
14. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Waste Technology" from 2020-9-21 to 2020-9-25 at Giani Zail Singh Campus College of Engineering & Technology MRSPTU.
15. Participated in “5-day online FDP on Universal Human Values for DEEKSHARAMBH (Student Induction Program)” organized by NIT Patna during 21 – 25 September 2020.
16. Attended a one day Faculty Development Programme on Recent Pedagogy and ICT tools for outcome based Education held on 02/02/2022.

17. Participated in the AICTE Recognized Faculty Development Programme on Essential Industrial Chemistry for Engineers from 05/09/2022 to 09/09/2022 (One Week) at Sathyabama Institute of Science and Technology, deemed to be University.
18. Attended “International Faculty Development Program on Foremost Frontiers of Material Science” organised by the Department of Physics, Sathyabama Institute of Science and Technology, Chennai through Zoom Video Communications from 12th to 20th September 2022.
19. Participated in the AICTE Recognized Faculty Development Programme on 2D Nanomaterials: Potential & Applications through ICT from 17/10/2022 to 21/10/2022 (One Week) at Sathyabama Institute of Science and Technology, deemed to be University.
20. Participated in International Faculty development programme on current scenario in Advanced Material Research and Nanotechnology organized by the Department of Physics & IQAC, Rajapalayam Raju’s college, from 21st to 25th November 2022.
21. Attended a Faculty Development Program On Spectroscopic and Chromatographic Techniques from April 24th to 28th April 2023 at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Workshop / Conferences / FDP Organized:-

1. Organized a One Day National Level Workshop on “**Advancements in Chemical Science**” organized by the Department of Science & Humanities at **Sri Sairam Institute of Technology** on 18th July, 2016.
2. Organized a One Day National Level Symposium- SITSCHIUM'15 by the Department of Science & Humanities at **Sri Sairam Institute of Technology** on 28th March, 2015.