TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi I Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS

Name&Qualification	Dr. S.Sasikruba , Ph.D.
Designation	Assistant Professor
Department	Chemistry
Total Teaching Experience	16 years
Total Research Experience	3 years 9 months
Total Industry Experience	Nil
Area of Specialization	Chemistry- Photocatalytic Degradation
AICTE Faculty ID	1-4428853365
Email ID	ssasikruba@tagore-engg.ac.in,

EDUCATIONAL DETAILS

Degree	Branch/Specialization	University	Year
UG	B.Sc. Chemistry	Bharathidasan University	2004
PG	M.Sc. Chemistry	Bharathidasan University	2006
M.Phil.	Chemistry	Bharathidasan University	2007
Ph.D.	Chemistry	Bharathidasan University	2025

RESEARCH/ PUBLICATION DETAILS

INTERNATIONAL JOURNALS: 06

1. T. Punitha, P. Balamurugan, G. Sathish Kumar, **S. Sasikruba** "Ferromagnetic nanostructures of chromium-doped dysprosium iron oxide (DyCrxFe1-xO3) with visible light photocatalysis capabilities." ***Journal of Surfaces and Interfaces*** 18 **(2025)**, 100452 **(IF 5.7)**
2. **S. Sasikruba**, R. Siranjeevi, I. Muthuvel, G. Thirunarayanan, SuriyaChinnasmy T. Rajachandrasekar "Evaluation of $LaVO_4$/ZnO nanohetero-junction for the photocatalytic degradation of carcinogenic acid dye". "***Inorganic Chemistry Communications*** Volume 174 **(2025)** 113907. **(IF 4.5)**

3. K. Suba, V. Padmavathy, S. R. Anishia, S. Malini, R. Kavitha, **S. Sasikruba** "Biogenic Photodegradation of Methylene Blue using Azadirachta Indica (Neem) Leaf Extract. A Novel Green Catalyst Approach." ***Journal of Environmental Nanotechnology*** 13**(2025)** 191-201 **(Scopus)**
4. **S. Sasikruba**, R. Siranjeevi, I. Muthuvel, G. Thirunarayanan, T. Rajachandrasekar ,"Novel silver vanadate coupled semiconductor nanocomposites for effective removal of toxic organics". "***Chemical Physics Impact*** 8 **(2024)**100630**. (IF 3.8)**
5. **S Sasikruba**, S Sujatha, K Kavitha S.R.Anishia, T. Rajachandrasekar, I. Muthuvel, "An Investigation into the Corrosion Inhibition Mechanisms of Mild Steel Using Aqueous Extract Derived from Aerva Lanata Leaf in an Acidic Environment", ***Materials Today Proceedings*** **(2024)**.
6. Sivagami, Swaminathan, Rengarajan Kavitha, **Sasikurba Satanathan**, Jegathalaprathaban Rajesh, Jayaraman Narenkumar, Punniyakotti Parthipan, Karnan Muthusamy, and Ahmed Alfarhan. "Multicomponent one-pot synthesis, characterization and antimicrobial screening of 2 cyanoimino-6-aryl- 4-(6-methoxynaphthalen-2-yl)-3, 4-dihydro-1H-pyrimidines. "**Process Biochemistry** 123 **(2022)**: 63-69. (IF 4.846)

CONFERENCE PUBLICATIONS: 04

1. Presented a Paper entitled "Synergistic La_2WO_6/ZnO Nanocomposites for Sustainable Wastewater Purification and Therapeutic Application" in the National Conference NCST-25 held on 11.9.2025 & 12.9.2025 at **Sengamala Thayaar Educational Trust Women's College, Mannargudi.**
2. Presented a Paper entitled "Evaluating the Efficiency of ZnO dopped $LaVO_4$ nanocomposites in UV-assisted Photocatalytic Degradation of Acid Green 16 & Acid Red 72 Dyes" in the International Conference ICFN-24 held on 12.9.2024 & 13.9.2024 at **Sengamala Thayaar Educational Trust Women's College, Mannargudi.**
3. Presented a Paper entitle "HIGHLY VISIBLE LIGHT DRIVEN Ce2(MoO4)3 /ZnO NANOCOMPOSITE FOR EFFECTIVE REMOVAL OF AQUEOUS ACID GREEN-16 DYE" in the international Conference held at **Saveetha School College of Engineering, Chennai.**
4. Presented a Paper entitle "SYNTHESIS AND CHARACTERIZATION OF TRANSITION COBALT DOPPED ZINC OXIDE NANOPARTICLES" in the international virtual conference on advances in science and technology (INCAST-2023) on February 6-7 2023 held at **Karpaga Vinayaga College of Engineering, Chennai**.

Books/Chapters Published

Nil

Fund Received

1. Received fund of **Rs. 7,500**/- under STUDENT PROJECTS SCHEME 2022-2023 from **TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**, DOTE Campus, Chennai- 25 on the title "Facile synthesis of silver vanadate doped with zinc oxide with highly enhanced photo catalyticperformance for removal of acid green dye

PatentApplied/ Published/Granted

APPLIED	-
PUBLISHED	-
GRANTED	-

RESEARCH GUIDANCE DETAILS

Sl.No	University	Supervisor ID/Reference
1	AnnaUniversity, Chennai	-
2	Number of UG Scholars Guided	-
3	Number of PG Scholars Guided	-
4	Number of Ph.D.Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-

PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl.No	Professional Society Name	Member ID
1	-	-