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. SAMPURNAM, M.Phil., Ph.D.**
Designation	ASSISTANT PROFESSOR
Department	CHEMISTRY
Total Teaching Experience	8 YEARS
Total Research Experience	5 YEARS
Total Industry Experience	NIL
Area of Specialization	INORGANIC CHEMISTRY- MATERIAL CHEMISTRY
AICTE Faculty ID	1-11304922908
Email ID	drsampurnam@gmail.com

EDUCATIONAL DETAILS

Degree	Branch/ Specialization	University	Year
UG	B.SC., (CHEMISTRY)	UNIVERSITY OF MADRAS	2004
PG	M.SC., (CHEMISTRY)	UNIVERSITY OF MADRAS	2006
PG	M.PHIL., (CHEMISTRY)	UNIVERSITY OF MADRAS	2008
Ph.D.	INORGANIC CHEMISTRY- MATERIAL CHEMISTRY	UNIVERSITY OF MADRAS	2020

RESEARCH / PUBLICATION DETAILS

Publications in Journal

1. S. Sampurnam "Synthesis and Characterization of Keggin-type polyoxometalate/zirconia nanocomposites - comparison of its Photocatalytic activity towards various organic pollutants" Journal of Photochemistry & Photobiology A: Chemistry 370, 26-40, (2019).
2. S. Sampurnam "Synthesis of Polypyrrole@ZrO2/Ag Nanocomposite and its Photocatalytic activity in environmental remediation" Journal of Indian Chem. Soc., 96, 168-170, (2019).
3. S. Sampurnam "Synthesis, Characterization and Heterogeneous Photocatalytic activity of $H_3PW_{12}O_{40}/TiO_2$/Ag Composites" Materials Today: Proceedings, 5, 8808-8811, (2018).

4. S. Sampurnam "Synthesis, Characterisation and Visible light Photocatalytic Activity of PANI Modified TiO_2/Cu Nanocomposite" Journal of Indian Chem. Soc., 96, 165-167, (2019).
5. S. Sampurnam "Synthesis, Characterization and photocatalytic activity of Silver nanoparticle doped Phosphomolybdic acid supported zirconia" Materials Today: Proceedings, 14, 558-562, (2019).
6. S. Sampurnam "Size-dependent catalytic property of gold nanoparticle mediated by Justicia adhatoda leaf extract" SN Applied Sciences, 1:134, (2019).
7. S. Sampurnam "Facile Justicia adhatoda leaf extract derived route to silver nanoparticle: Synthesis, characterization and its application in photocatalytic and anticancer activity" Materials Research Express, 6 (4) (2018).
8. S. Sampurnam "Evaluation of catalytic activity of green synthesized bimetallic nanoparticle from Justicia adhatoda".Materials Today: Proceedings, 14, 569-573, (2019).
9. S. Sampurnam "Biosynthesis of silver nanoparticles using Piper nigrum and its application in the photocatalytic degradation" Journal of Indian Chem. Soc., 96, 38-39, (2019).
10. S. Sampurnam "Biosynthesis and characterization of gold nanoparticle from Justicia adhatoda and its catalytic activity" Materials Today: Proceedings, 5, 8968-8972, (2018).
11. S. Sampurnam "Enhanced cytotoxic effect on human lung carcinoma cell line (A549) by gold nanoparticles synthesized from Justicia adhatoda leaf extract" Asian Pacific Journal of Tropical Biomedicine, 8, 540-547, (2018).
12. S. Sampurnam "Synthesis, Characterization and Photocatalytic activity between Copper Oxide/ZrO2 and Ag/ZrO2 nanoparticle for degradation of 4-Nitrophenol" Materials Today: Proceedings, Communicated.

Conference Proceedings

1. S. Sampurnam International Conference on Recent Advances in Material Chemistry(ICRAMC- 2022),Department of Chemistry, SRM University, Kattankulathur, India.17-19, February,2022. "Synthesis, Characterization and Photocatalytic activity between Copper Oxide/ZrO2 and Ag/ZrO2 nanoparticle for degradation of 4-Nitrophenol".
2. S. Sampurnam International Conference on Recent Advances in Material Chemistry(ICRAMC- 2017),Department of Chemistry, SRM University, Kattankulathur, India. 15-17, February, 2017. "Synthesis, Characterization and Heterogeneous Photocatalytic activity of H3PW12O40/TiO2/Ag Composites".
3. S. Sampurnam International conference on Recent Trends in Applied Science and

Technology (ICRAST-2017) in Tamil, Centre for Research & Centre for Nano Science and Technology, Anna University, Chennai, India, 8-9, September, 2017. "Synthesis and Characterization of Silver Nanoparticle decorated Keggin Ions/Zirconia Photocatalyst for Improved Solar Light Photocatalysis"

4. S. Sampurnam 2nd International Conference on Recent Advances in Material Chemistry(ICRAMC2018), Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur- 603 203, Tamilnadu, India. 14-16, February, 2018. "Synthesis, Characterization and Photocatalytic activity of Silver nanoparticle doped Phosphomolybdic acid supported Zirconia".
5. S. Sampurnam POST-CENTENARY DIAMOND JUBILEE-NATIONAL SEMINAR ON Recent Trends in Nanobiosensors, Department of Inorganic chemistry, University of Madras, Guindy Campus, Chennai 600 025. 22-23, February, 2018. "Synthesis, Characterization and Photocatalytic activity of Gold nanoparticle doped Heteropolyacid supported Zirconia".
6. S. Sampurnam 2nd International Conference on Advances in New Materials (ICAN-2018), Department of Inorganic chemistry, University of Madras, Guindy Campus, Chennai 600025. 08-09, June, 2018. "Synthesis, Characterisation and Visible light Photocatalytic Activity of PANI Modified TiO2/Cu Nanocomposite".

Books / Chapters Published

-

Fund Received

-

Patent Applied / Published/Granted

-

CITATIONS	**122**
H-INDEX	**6**

RESEARCH GUIDANCE DETAILS

Sl.No	University	Supervisor ID / Reference
1	Anna University, 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**
-	-	**-**