



MAHARAJA INSTITUTE OF TECHNOLOGY THANDAVAPURA
MYSURU - OOTY ROAD, JUST OFF NH 766 NANJANAGUDU TALUK,
THANDAVAPURA, KARNATAKA 571302

Date: 01 / 02 / 2024

Faculty Profile

Name:	Dr. ANJU MARIA THOMAS	
Current Designation:	ASSISTANT PROFESSOR	
Date of Current Designation	01/02/2024	
Department	ENGINEERING CHEMISTRY	
University Faculty Reg. No		

Qualification:

Degree	Year	College and University
BSc	2015	St. Dominics College, Kanjirappally, Mahatma Gandhi Univerity, Kottayam, Kerala
MSc	2017	CMS College, Kottayam, Mahatma Gandhi Univerity, Kottayam, Kerala
Ph.D	2021	Pusan National University, Busan, Republic of Korea

Date of joining to the Institute: 01/02/2024

Details of Positions Occupied:

Designation	Duration		Department
	From	To	
Asssistant Professor	01/02/2024	Till date	Department of Engineering Chemistry

Details of Publication:

No. of papers published in National Conference:

No. of papers published in Inter-national Conference:

Number of International Journal:

Description of the paper and Reference

1. "Pd Nanoparticles Incorporated Silicas With Excellent catalytic activity and dual responsivity", Anju Maria Thomas, Chang Sik-Ha, <i>Colloids Surf. A Physicochem.</i> , 2020, 585, 124074.
2. "Dual Stimuli-Responsive Silver Nanoparticles Decorated SBA-15 Hybrid Catalyst for the Selective Oxidation of Alcohols Under Mild Conditions", Anju Maria Thomas, Chang Sik-Ha, <i>Microporous Mesoporous Mater.</i> 2021, 311, 110697.
3. , "Dual Stimuli-Responsive Copper Nanoparticles DecoratedSBA-15: A Highly Efficient Catalystfor the Oxidation of Alcohols in Water", Anju Maria Thomas, Chang Sik-Ha, <i>Nanomaterials</i> , 2020,10, 2051.
4. "Rational Design of Thermo-ResponsiveFunctionalized MCM-41 and Their Decoration with Bimetallic Ag-Pd Nanoparticles for Catalytic Application", A. Mohan, L. Rout, Anju Maria Thomas, Chang-Sik Ha, <i>Microporous Mesoporous Mater.</i> , 2020, 291,

109711.
5. “ Silver Nanoparticles Impregnated pH-Responsive Monohybrid System for the Catalytic Reduction of Dyes”, A. Mohan, L. Rout, Anju Maria Thomas, Chang-Sik Ha, <i>Microporous Mesoporous Mater.</i> , 2020, 303, 110260.
6. “Palladium Nanoparticles-Anchored Dual- Responsive SBA-15-PNIPAM/PMAA Nanoreactor: A Novel Heterogeneous Catalyst for a Green Suzuki-Miyaura Cross-Coupling Reaction”, A. Mohan, L. Rout, Anju Maria Thomas, Chang-Sik Ha, <i>RSC Adv.</i> , 2020, 10, 28193.
7. “Facile Synthesis of Silver Nanoparticles Stabilized Dual Responsive Silica Nanohybrid: A Highly Active Switchable Catalyst for Oxidation of Alcohols in Aqueous Medium”. A. Mohan, J. Peter, L. Rout, Anju Maria Thomas, Chang-Sik Ha, <i>Colloids Surf. A Physicochem.</i> 2020, 611, 125846.
8. “Synthesis of Size-Controlled and Highly Monodispersed Silica Nanoparticles Using Alkyl-Chain Fluorinated Surfactant”, Saravanan Nagappan, Anandhu Mohan, Anju Maria Thomas, Chang Sik-Ha, <i>RSC ADV.</i> 2021, 11.
9. “Stimuli-Responsive Organic Inorganic Mesoporous Silica Hybrids: A Comprehensive Review on Synthesis and Recent Advances”, J. Peter, R. Nechikkattu, A. Mohan, Anju Maria Thomas, Chang Si-Ha, <i>Mater Sci Eng B</i> , 2021, 115232.
10. “In-Situ Thermo sensitive Hybrid Mesoporous Silica: Preparation and the Catalytic Activities Carbonyl Compound Reduction”, A. Mohan, J. Peter, L. Rout, Anju Maria Thomas, Chang Sik-Ha, <i>Dalton Transactions.</i> 2021, 34
11. “Chapter 8. Antimicrobial Nanocomposites for Environmental Remediation”, S. Nagappan, J. Peter, Anju Maria Thomas, Chang Sik-Ha, <i>RSC ADV.</i> 2021, 11, 2194.

No of Inter-National Workshops attended:

2

Workshop Title	Venue	Date
• 7 th Asian symposium Material Advanced materials	Suzhou, Beijing, China	2019
• 4 th International Symposium on Silsesquioxanes-based Functional Materials	Busan, Korea	2020

Responsibilities taken in college level:

Event	Positions	Year

Responsibilities taken in Department level:

Committee	Positions	From	Duration	To

No of student projects carried out as a guide (PG):

Project Name & Descriptions	Year

No of subjects taken for PG students:

Subject Title	Year	Semester and branch	No. of students attended	No. of students passed	Pass percentage

Personal Details:

Permanent Address:

Arichidatu, Inchiany,P.O
Parathodu, Kottayam, Kerala,
PIN: 686512

Date of Birth:

02/08/1994

Father's name:

A. C. Thomas

Mother' name:

Mini Thomas

Nationality:
Indian