

PROFILE

Dr. J. AMALA INFANT JOICE

Assistant Professor,

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ACADEMIC QUALIFICATION

M.Sc., B.Ed., Ph.D.

WORK EXPERIENCE

TOTAL YEARS OF RESEARCH EXPERIENCE: 12

TOTAL YEARS OF TEACHING EXPERIENCE: 9

Date of Joining : 29.07.2015

PATENTS

- 1. Patent provisional specification is registered - “A Water Recycling and Power Generating Apparatus for Sanitation” 202041039528 dated 12.09.2020.**
Dr. J. Felicita Florence, **Dr. J. Amala Infant Joice**, S. Hafila Khairun, A. Alphin Punitha and D. Charithra Iswarya.
- 2. Patent provisional registration is in process - “Grey waste water Management system” - Dr. J. Amala Infant Joice, Ms. J. Kalpana and Dr. M. Mahalakshmi.**

PAPER PUBLICATION DETAILS

Total No. of Papers Published	22
Scopus Indexed	19

Papers with Highest Impact Factor	Journal Name	Name of the Publishers	Impact Factor
1	Chemical Engineering Journal	Elsevier, Netherlands	13.27
1	Applied Surface Science	Elsevier, Netherlands	6.70
1	Applied Catalysis A - General	Elsevier, Netherlands	5.70
1	RSC Advances	Royal Society of Chemistry, London	3.04
1	International Journal of Energy Research	Wiley, USA	3.74
1	Waste and Biomass Valorization	Springer, Germany	2.6

COLLABORATIVE RESEARCH PUBLICATION: With Foreign University – National Chung Cheng University, Taiwan.

1. A. Motcha Rakkini, , **Amala Infant Joice Joseph**, (2024) “Enhancing Photocatalytic activity and Biological Applications of TiO₂ Nanoparticles using Moringa Oleifera leaf extract” **International Journal of Energy Research**, July 2024 . **(Impact factor- 2.6)**

COLLABORATIVE RESEARCH PUBLICATION: With Foreign University - Ton Due Thang University, Vietnam.

2. RamyaGanesan, PadmamaliniNarashimhalu, **Amala Infant Joice Joseph**, ArivazhganPugazhendhi,(2020) “Synthesis of silver nano particle from X-ray thin film and its application in production of biofuel from Jatropha oil” **International Journal of Energy Research**, September 2020, pp. 1-11 . **(Impact factor- 3.74)**

**COLLABORATIVE RESEARCH PUBLICATION: With Anna University,
Chennai and Bishop Heber College, Trichy.**

3. Radhika N, Steplin Paul Selvin S, **Amala Infant Joice J**, Sivakumar T, Princy Merlin, Sharmila Lydia, (2018) “Fluorescent Biomolecules capped ZnSe Quantum Dots and their photocatalytic Activities” Journal of Nanoscience and Nanotechnology. 18(7),4634-4642 (Impact factor-1.354)

PAPERS PRESENTED IN CONFERENCES:

Total No. of Conferences presented	No. of International Conferences	No. of National Conferences
27	16	11

AWARDS AND ACHIEVEMENTS

- Received “**TNSCST-Young Scientist Award-2023**”
- Received “**CSIR-SRF**” Award for the year 2012-2015.
- Received “**Academic Excellence Award-2023**” by Institute of Scholars
- Received “**Professor C.N.R. Rao Best Young Scientist Award**”
- Received “**Young Researcher Award-2022**” by Institute of Scholars, India
- Received Seed Grant of Rs. 10,000/- for the Project entitled, “**Rejuvenating the Chemistry Laboratory Waste water by a Greener Approach**” from Holy Cross College, Trichy for the year 2018-2019.
- Received Grant of Rs. 1 Lakh for the *Trans Disciplinary Project (Chemistry, Social Work and Commerce)* entitled, “**An effective Waste Water Management System using Solar Energy in Tiruppattur Village (Unnat Bharat Abhiyan Village), Trichy District**” From UGC Stride- Component-1, Holy Cross College, Trichy for the year 2020-2023.

RESEARCH INTERESTS

- Nano catalysis
- Clean Technology
- Photocatalysis
- Environmental Science
- Drug Delivery Applications
- Waste Water Management
- Fuel Cell Applications