

Dr. Reya Issac's Profile



Dr. Reya Issac M. Tech., Ph.D.,

Assistant Professor (AGP 8000)

reya@karunya.edu, reyajegathesan@gmail.com

Mobile No: 9442328624

ORCID: <https://orcid.org/0000-0001-9996-0957>

SCOPUS ID: 54881954400

Date of Joining: 18/6/2007

Academic Background

Degree	University	Year
Ph.D		2015
M.Tech.		2005
B.Tech.		2002

Courses Taught

- Bioprocess Principles
- Bioprocess Engineering
- Enzyme Engineering and Technology
- Downstream Processing
- Process Equipment Design

Research Interests

- Waste Water Treatment
- Enzyme Production and Optimization
- Struvite Production from waste water
- Production of Bio-fertilizer
- Production of Paper and bioplastics

MOST RECENT PUBLICATIONS

1. “Bio Efficacy Assay of Laccase Isolated and Characterized from *Trichoderma viride* in Biodegradation of Low Density Polyethylene (LDPE) and Textile Industrial Effluent Dyes” *Journal of Pure and Applied Microbiology*, Vol 15. Issue 1, March 2021, 410-420.
2. “Equilibrium and kinetic studies for removal of hexavalent chromium from paint industry effluent using biochar” *International Journal of Scientific and Technology Research*, Vol 9. Issue 3, 2020, 158-1164.
3. “Tissue adhesive: A boon or bane” *Drug Invention Today*, Vol. 13 Issue 7, 2020, 1072-1075.
4. “Antioxidant, Antimicrobial and Health Benefits of Nutmeg” *Drug Invention Today*, Vol. 12. Issue 1, 2019, 167-169.
5. “Health benefits of bishop’s weed (AJWAIN)” *Drug Invention Today*, Vol. 12. Issue 7, 2019, 1430-1432.
6. “Review on Production of Biofuel from Photosynthetic Microorganisms” *Drug Invention Today*, Vol 10. Issue 3, December 2018, 3700-3703.

PROJECTS HANDLED

- Obtained Fund from TNSCST for students project on Hexavalent chromium removal from tannery sludge

Memberships in Professional Bodies

- IICHE