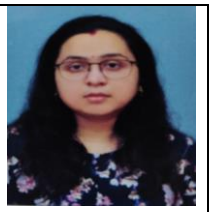
NAME	Dr. Devlina Pramanik	
DESIGNATION	Assistant Professor II	
EMAIL ID	dpramanik@amity.edu	
CONTACT NUMBER	9903703451	
RESEARCH INTERESTS		

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
Vellore Institute of Technology	PhD	2016
Vellore Institute of Technology	Bachelor of Technology (B.Tech)	2011

Title of Ph.D. thesis: Biosorption as a tool for removal and recovery of silver(I) and zinc(II) ions from aqueous environment using macrofungus.

PROFESSIONAL EXPERIENCE

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Assistant Professor II	Teaching and Research	Amity University, Noida Delhi, India	December 2022 – Present
Marie Curie fellow	Research	University of Leeds, United Kingdom	November 2020-October 2022
Assistant Professor	Teaching and Research	PSG College of Technology, Coimbatore, India	June 2017 – November 2019
Scientist	Research	Vellore Institute of Technology, Tamil Nadu	April 2016-March 2017

No. of Post Docs supervised	0
No. of PhDs supervised	0
No. of postgraduate Students supervised:	3
No. of Bachelors Students supervised:	4
PUBLICATIONS ***(Total 34)***	1. **Devlina Das**, Abarajitha R, Paul Kay, V. Ramamurthy, Francisco M. Goycoolea, Nilanjana Das, Selective recovery of lithium from spent coin cell cathode leachates using ion imprinted blended chitosan microfibers: Pilot scale studies provide insights on scalability, Journal of Hazardous Materials, 431, 2022, 128535 Impact Factor: 14.224 2. Muhammad Ovais, Sudip Mukherjee, Arindam Pramanik, **Devlina Das**, Anubhab Mukherjee, Abida Raza, Chunying Chen (2020) Designing Stimuli-Responsive Upconversion Nanoparticles that Exploit the Tumor Microenvironment. Advanced Materials. 32(22):2000055 Impact Factor: 30.849 3. Sanjeeb Kumar Mandal, **Devlina Das** and Nilanjana Das (2020) Microbial and plant assisted remediation of Benzopyrene from soil and aqueous environment. Research Journal of Chemistry and Environment. 22:2 Impact Factor: 0.247 4. Nilanjana Das, Jagannathan Madhavan, Adikesavan Selvi and **Devlina Das** (2019) An overview of cephalosporin antibiotics as emerging contaminants: A serious environmental concern. 3 Biotech 9: 9(6):1-14 Impact Factor: 2.96 5. Sahithya K, **Devlina Das** and Nilanjana Das (2017) Adsorption coupled photocatalytic degradation of dichlorvos using LaNiMnO6 perovskite nanoparticles supported on polypropylene filter cloth and carboxymethyl cellulose microspheres. Environmental Progress & Sustainable Energy. 36(1): 180-191 Impact Factor: 2.431

	6. Sahithya K, **Devlina Das** and Nilanjana Das (2016) Adsorptive removal of monocrotophos from aqueous solution using biopolymer modified montmorillonite- CuO composites: Equilibrium, kinetic and thermodynamic studies. Process Safety and Environmental Protection. 99: 43-54 Impact Factor: 7.926 7. Lina Rose Varghese, **Devlina Das** and Nilanjana Das (2016) Application of novel nanobiocomposites for removal of nickel(II) from aqueous environments: Equilibrium, kinetics, thermodynamics and Ex-situ studies. Korean Journal Chemical Engineering. 33(1): 238-247 Impact Factor: 3.309 8. Lina Rose Varghese, **Devlina Das** and Nilanjana Das (2016) Adsorptive removal of nickel(II) ions from aqueous environments using gum based and clay based polyaniline /chitosan nanobiocomposite beads and microspheres: Equilibrium, kinetic, thermodynamics and ex-situ studies" Korean Journal of Chemical Engineering. 33(7):2114-2126 Impact Factor: 3.309 9. **Devlina Das**, Lina Rose Varghese and Nilanjana Das (2015) Enhanced TDS removal using cyclodextrinated, sulfonated and aminated forms of bead–membrane duo nanobiocomposite via sophorolipid mediated complexation. Desalination. 360: 35-44 Impact Factor: 9.501 10. **Devlina Das**, R. Vimala and Nilanjana Das (2015) Removal of Ag(I) and Zn(II) ions from single and binary solution using sulfonated form of gum arabic-powdered mushroom composite hollow semispheres: Equilibrium, kinetic, thermodynamic and Ex-situ studies. Ecological Engineering. 75: 116-122 Impact Factor: 4.035 11. Jaya Sre Varshini C, **Devlina Das** and Nilanjana Das (2015) Optimization of parameters for praseodymium(III) biosorption onto biowaste materials using response surface methodology: Equilibrium, kinetic and regeneration studies. Ecological Engineering. 81: 321-327 Impact Factor: 4.035 12. Sahithya K, **Devlina Das** and Nilanjana Das (2015) Effective removal of dichlorvos from aqueous solution using biopolymer modified MMT–CuO composites: Equilibrium, kinetic and thermodynamic studies. Journal of Molecular Liquids. 211: 821830 Impact Factor: 6.165 13. Selvi A, **Devlina Das** and Nilanjana Das (2015) Potentiality of yeast Candida spSMN04 for degradation of cefdinir, a cephalosporin antibiotic: kinetics, enzyme analysis and biodegradation pathway. Environmental Technology.36(34): 3112 3124 Impact Factor: 5.263 14. **Devlina Das** and Nilanjana Das (2014) Sunlight mediated diesel degradation under saline conditions using ionic silver coated sand via nanoreduction: Use of impregnated form of thiourea modified chitosan membranes for ex situ application. Journal of Hazardous Materials.278: 597-609 Impact Factor: 14.224 15**. Devlina Das**, R. Vimala and Nilanjana Das (2014) Biosorption of Zn(II) onto Pleurotus platypus: 5-Level Box–Behnken design, equilibrium, kinetic and regeneration studies. Ecological Engineering.64:136–141 Impact Factor: 4.035 16. **Devlina Das**, Jaya Sre Varshini C and Nilanjana Das (2014) Recovery of lanthanum(III) from aqueous solution using biosorbents of plant and animal origin: Batch and column studies. Minerals Engineering. 69 : 40-56 Impact Factor: 4.765 17. Jaya Sre Varshini C, **Devlina Das** and Nilanjana Das (2014) Optimization of parameters for cerium(III) biosorption onto biowaste

materials of animal and plant origin using 5level Box- Behnken design: Equilibrium, kinetic, thermodynamic and regeneration studies. Journal of Rare Earths. 32(8): 745-758 Impact Factor: 3.712

18. Geetanjali Basak, **Devlina Das**, Nilanjana Das (2014) Enhanced Zn(II) uptake using zinc imprinted form of novel nanobiosorbent and its application as an antimicrobial agent. Korean Journal of Chemical Engineering.31(5): 812-820 Impact Factor: 3.309

19. Jaseetha Abdul Salam, Lakshmi V, **Devlina Das**, Nilanjana Das (2013) Biodegradation of lindane using a novel yeast strain, Rhodotorula sp. VITJzN03 isolated from agricultural soil. World Journal of Microbiology and Biotechnology.29: 475–487.
Impact Factor: 3.312

20. Geetanjali Basak, **Devlina Das** and Nilanjana Das (2013) Dual role of acidic diacetate sophorolipid as biostabilizer for ZnO nanoparticle synthesis and biofunctionalizing agentagainst Salmonella enterica and Candida albicans. Journal of Microbiology and Biotechnology.24(1): 87-96. Impact Factor: 2.351

21. Nilanjana Das and **Devlina Das** (2013) Recovery of rare earth metals through biosorption: An overview. Journal of Rare Earths.31(10): 933–943
Impact Factor: 3.712

22. **Devlina Das**, Geetanjali Basak, Lakshmi V and Nilanjana Das (2012) Kinetics and equilibrium studies on removal of zinc(II) by untreated and anionic surfactant treated dead biomass of yeast: Batch and column mode. Biochemical Engineering Journal.64: 30-47 Impact Factor: 3.978

23. **Devlina Das**, Charumathi D and Nilanjana Das (2011) Bioaccumulation of the synthetic dye Basic Violet 3 and heavy metals in single and binary systems by Candida tropicalis grown in a sugarcane bagasse extract medium: Modelling optimal conditions using response surface methodology (RSM) and inhibition kinetics. Journal of Hazardous Materials.186(2-3):1541- 1552 Impact Factor: 14.224

24. **Devlina Das** and Nilanjana Das (2011) Response Surface Approach for the Biosorption of Ag(I) by Macrofungus Pleurotus platypus. CLEAN - Soil Air Water.39(2): 157- 161
Impact Factor: 1.603

25. **Devlina Das**, Charumathi D and Nilanjana Das (2010) Combined effects of sugarcane bagasse extract and synthetic dyes on the growth and bioaccumulation properties of Pichia fermentans MTCC 189. Journal of Hazardous Materials.183(1-3): 497-505.
Impact Factor: 14.224

National Publications:

26. **Devlina Das**, Vimala, R, Nilanjana Das (2010) Functional foods of natural origin-An overview. Indian Journal of Natural Products and Resources (IJNPR) 1(2):136-142.

27. **Devlina Das**, Lakshmi V. Nilanjana Das, Vimala R (2013) Studies on toxicity of ag (I) on plants and microbes. Research Journal of Pharmaceutical, Biological and Chemical Sciences.4:166-178.

28. **Devlina Das**, Vimala, R, Nilanjana Das (2013) Column studies on removal of Ag(I) from electroplating wastewater by macrofungus Pleurotus platypus: Use of modelling and response surface methodology. Nature Environment and Pollution Technology. 12(2): 273-280.

29. Lakshmi V, **Devlina Das**, Nilanjana Das (2013) Biodegradation of caffeine by the yeast Trichosporon asahii immobilized in single

	and hybrid matrices. Indian Journal of Chemical Technology 20(3):195-201 30. Devlina Das, Vimala R, Nilanjana Das (2014) Screening of macrofungi for the removal of Ag(I) and Zn(II) ions from aqueous environment, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 5(6):322-3299 31. **Devlina Das**, Nilanjana Das. Application of TETA grafted nanobiocomposite for the removal of EDTA-metal complexes from electroplating and municipal wastewater (2015), International Journal of ChemTech Research 7(11):196-202. 32. Lina Rose Varghese, **Devlina Das**, Nilanjana Das. Remediation of Hg(II) ions from aqueous environments using plant gum and clay based nanobiocomposite beads: Equilibrium, kinetics, thermodynamics and Ex-situ studies(2016), International Journal of Pharmacy and Technology, 8(4): 22106-22127 33. Sahithya K, **Devlina Das**, Nilanjana Das. Biopolymers fabricated Mg-Fe layered double hydroxide/montmorillonite nanobiocomposites for effective removal of dichlorvos from aqueous environment: Equilibrium, kinetics, thermodynamics and Ex-situ studies (2016) International Journal of Pharmacy and Technology, 8(4):22062-22084. 34. Jaye Sre Varshini C.J.S, **Devlina Das**, Nilanjana Das (2017). Packed bed column studies on recovery of cerium(III) from electronic wastewater using biosorbents of animal and plant origin, Indian Journal of Chemical Technology,24(3):294-303
PATENTS ***(total no.)***	1.Flocculant for Sewage Water Treatment Application No. 201841016111 (Status: Filed) Year of Filing: 2018 2.Water purification tablets with Biopolymer Shell Application No. 201941035086 (Status : Filed) Year of Filing: 2018
RESEARCH PROJECTS Completed: ***(2)*** Ongoing: ***(0)***	1.Project Title: FLOCCO-An Organic Flocculation System (March 2018-September 2019) Designation: Principal Investigator Funding Agency: BIRAC, Department of Biotechnology, Government of India, BIG Partner: IKP Knowledge Park, Hyderabad Duration: 18 months; Funding Amount:39.25 Lakhs (INR) 2.Project tile: Biopolymer Assisted Remediation of Microplastics from Fresh and Saline Water Environments using an Integrated Technology of Coagulation-Ultrasonication/Cavitation Designation: Marie Sklodowska Curie Fellow (Post Doctoral) Host: University of Leeds, United Kingdom Funding Agency: European Horizon, Brussels, Duration: 24 months ;Funding Amount: 224933.76 Euros
AWARDS & HONOURS/ DISTINCTIONS	1. BayInd fellowship for attaining hands on training in hydrodynamic cavitation for remediation of pharmaceutical traces from water (2018) 2. Marie Sklodowska Curie Individual Fellowship awarded by the European Commission for pursuing research on microplastic remediation using functional biopolymers (2019) 3. CSIR Senior Research Fellowship for pursuing PhD (2013) 4. Environmental Challenge Award 2015 for project Salino, awarded by RELX Elsevier.
MEMBERSHIP with Professional/ Academic bodies	1. Royal Society of Chemistry (Membership Number: 724229) 2. European Chitin Society (EUCHIS*)* – 444 (Membership. No.) 3. British Mycological Society (Membership Number: 7947)