NAME	Dr. Amit Kumar Chaurasia	
DESIGNATION	Assistant Professor-I	
EMAIL ID	akchaurasia@amity.edu	
CONTACT NUMBER	91-9415853361, +91-7500012557	
RESEARCH INTERESTS	Microbial Electrolysis Cell, Cathode enzyme/catalysts, Development, Waste to Energy Conversion, resources recovery from waste.	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
UPTU Lucknow NIT Jalandhar IIT Roorkee	B. Tech (Biotechnology) M. Tech (Chemical Engineering) Ph.D. (Chemical Engineering)	2011 2015 2021

Title of Ph.D. thesis: Biohydrogen Production Using Electrodeposited Cathodes in Microbial Electrolysis Cells

EXPERIENCE (in chronological order): Total 20 Years Research & Teaching

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Assistant Professor	Teaching/research	**MVJ College of Engineering, Bangalore, India**	18/07/2022-07/01/2023
Research Associate	Research	Alchemi Carbons Noida, India	10/12/2018-25/03/2022
Teaching assistant	Teaching assistant (3 Courses, 40h, 2 credit)	NPTEL-IITR	2017-2019
Lab Processing Executive	Research	Thyrocare Technologies Limited Navi Mumbai	24/12/2012-30/07/2013
Science communicator	Teaching	VASCSC Ahmadabad Gujarat	27/05/2012-22/12/2012

No. of Ph.D. students supervised	Nil Nil
No. of Post-Doc	Nil
No. of M.Tech. Students supervised:	Nil
No. of B.Tech. Students supervised:	Nil

PUBLICATIONS
(mention total no. here)

Details:

1. Rani, M., Shanker, U. and **Chaurasia, A.K**., 2017. Catalytic potential of laccase immobilized on transition metal oxides nanomaterials: degradation of alizarin red S dye. **Journal of environmental chemical engineering**, 5(3), pp.2730-2739. https://doi.org/10.1016/j.jece.2017.05.026
2. **Chaurasia, A.K**., Goyal, H. and Mondal, P., 2020. Hydrogen gas production with Ni, Ni–Co and Ni–Co–P electrodeposits as potential cathode catalyst by microbial electrolysis cells. **International Journal of Hydrogen Energy**, 45(36), pp.18250-18265. https://doi.org/10.1016/j.ijhydene.2019.07.175
3. **Chaurasia, A.K**. and Mondal, P., 2021. Enhancing biohydrogen production from sugar industry wastewater using Ni, Ni–Co and Ni–Co–P electrodeposits as cathodes in microbial electrolysis cells. **Chemosphere**, 286(3), pp.131728. https://doi.org/10.1016/j.chemosphere.2021.131728
4. **Chaurasia, A.K**., Ravi Shankar and P. Mondal, 2021. Effects of Ni, Ni-Co and Ni-Co-P electrodeposits as cathodes for enhancing hydrogen production in MEC using real paper industry effluent. **Journal of Environmental Management,** (298) 113542. https://doi.org/10.1016/j.jenvman.2021.113542
5. **Chaurasia, A.K**., Puneet Siwach, Ravi Shankar, and Prasenjit Mondal. 2021. Effect of pre-treatment on mesophilic anaerobic co-digestion of fruit, food and vegetable waste. **Clean Technologies and Environmental Policy**, 1-14. https://doi.org/10.1007/s10098-021-02218-5
6. **Chaurasia, A.K**., Puneet Siwach, and Prasenjit Mondal. 2021. Effectiveness of the pretreatment methods on mesophilic anaerobic co-digestion of fruit, food and vegetable waste. https://doi.org/10.21203/rs.3.rs-157978/v1
7. **Chaurasia, A.K**., Thakur, L. S., The Role of Bio-Electrochemical System for Hydrogen Generation. Progress Petrochem Sci. 4(3). PPS. 000589. 2022. https://doi.org/10.31031/PPS.2022.04.000589 (ISSN: 2637-8035)
8. Thakur, L. S., Parmar, H., Varma, **A. K., Chaurasia**, A. K., & Mondal, P. (2022). Removal of manganese from synthetic wastewater by Vetiveria zizanioides. **Materials Today: Proceedings**. https://doi.org/10.1016/j.matpr.2022.08.395
9. Kachroo H., **Chaurasia A.K.,** Chaurasia S.K., Yadav V.K. (2022) Sustainable Clean Energy Production from the Bio-electrochemical Process Using Cathode as Nanocatalyst. In: Shanker U., Hussain C.M., Rani M. (eds) **Handbook of Green and Sustainable Nanotechnology. Springer, Cham.** https://doi.org/10.1007/978-3-030-69023-6_58-1
10. **Chaurasia, A.K.,** Mohapatra, S., Shankar, R. and Thakur, L.S., 2022. Technologies for the Clean and Renewable Energy Production for the Sustainable Environment. In Clean Technologies and Sustainable Development in Civil Engineering (pp. 141-178). IGI Global. https://doi.org/10.4018/978-1-7998-9810-8.ch007
11. **Chaurasia, A.K**. and Mondal, P. 2021. Hydrogen production from waste and renewable resources." In Hydrogen Fuel Cell Technology for Stationary Applications, 22-46. **IGI Global**. https://doi.org/10.4018/978-1-7998-4945-2.ch002
12. **Chaurasia, A.K**. and Mondal, P. 2020. Simultaneous Removal of Organic Load and Hydrogen Gas Production Using Electrodeposits Cathodes in MEC. In Advances in Renewable Hydrogen and Other Sustainable Energy Carriers, pp. 263-269. **Springer**, Singapore. https://doi.org/10.1007/978-981-15-6595-3_34

	13. A. Kadier, **Chaurasia, A.K**., S.M. Sapuan, R.A. I, Jayesh M. Sonawane, M. S Kalil, P. K. Rai, W. Logroño, H. A. Hasan and A. A. Hamid. 2020. Essential Factors for Performance Improvement and the Implementation of Microbial Electrolysis Cells (MECs), **Springer**, Singapore, pp. 139-168. https://doi.org/10.1007/978-981-15-6872-5_7 14. Shankar, R., Pathak, N., **Chaurasia, A. K**., Mondal, P., & Chand, S. 2017. Energy Production through Microbial Fuel Cells. Sustainable Utilization of Natural Resources, 353. https://doi.org/10.1201/9781315153292 15. Mondal, P., Kumari, P., Singh, J., Verma, S., **Chaurasia, A. K**., & Singh, R. P. 2017. Oil from Algae. Sustainable Utilization of Natural Resources, 213. https://doi.org/10.1201/9781315153292
PATENTS ***(total no.)***	***Details: Chaurasia, A.K****….. Johri, P, "A portable assembly for providing treatment of hazardous material in oxygen rich environment and method thereof" Application no. 202241052874 (15th September 2022).*
RESEARCH PROJECTS Completed: ***(total no.)*** Ongoing: ***(total no.)***	***Details:Nil***
AWARDS & HONOURS/ DISTINCTIONS	***Details:*** ➢ Technical Committee member at ICCBS2023, Japan ➢ Selected as **institute Postdoctoral Fellow at IIT Kanpur**. ➢ **A Grade in PhD Thesis** from Examiner (France), 2021 ➢ **Amit Kumar Chaurasia**, P. Mondal, **Best Oral Awards** on "Simultaneous ….in MEC", CCC, 12-13 October 2019, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar Indian**.** ➢ Got financial support from **SERB-DST Govt. of India**, to participate in "3rd International Symposium on Sustainable Hydrogen, **Algiers Algeria** (27-28 November 2019). ➢ Got financial support from **IIT Roorkee India-Alumni**, to participate in International Conference (SEGT-2019) in Bangkok, Thailand in 2019. ➢ Received Institute Fellowship by IIT Roorkee for pursuing Doctor of Philosophy (2015-2020). ➢ Received GATE Fellowship to pursue M. Tech (July 2013 to June 2015). ➢ Qualified **GATE 2013** in Biotechnology with Gate Score 343.
MEMBERSHIP with Professional/ Academic bodies	***Details:*** ➢ **Managing Editor** of **Journal of Biomedical and Life Sciences** since 2022. https://www.scipublications.com/journal/index.php/jbls/editors ➢ **Editorial member** of **Advances in Bioscience and Bioengineering** journal since 2022. ➢ Senior Member of **Hong Kong Chemical, Biological & Environmental Engineering Society** (HKCBEES: 101865). ➢ Member of **International Chemical Biology Society**, **USA** since 2021 (https://www.chemical-

	biology.org/members/) ➢ Session Chair, Scientific and organizing member at **9th ICCBS 2022, Tokyo, Japan.** ➢ Scientific and organizing committee member at **ICRS,22**, **Istanbul, Turkey**