

CURRICULUM VITAE

GANTA ANUSHA

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EDUCATION BACKGROUND

July 2018- 2026 Worked as PhD scholar in Environmental Engineering under the guidance of Dr. Indumathi Nambi from Indian Institute of Technology Madras

2016-2018 Completed Masters of Technology (Environmental Engineering) in Indian Institute of Technology Kharagpur, India with CGPA 9.34/10.

2012-2016 Completed Bachelor of Technology in Civil Engineering from University college of Engineering Kakinada, JNTU Kakinada with 83.4% .

WORKING EXPERIENCE

08.01.2025 – CURRENT Working as Assistant Environment officer at NTPC Lara, Chhattisgarh

INTERNATIONAL JOURNAL PUBLICATIONS

1. **Anusha, G.**, Noori, M.T. and Ghangrekar, M.M., 2018. Application of silver-tin dioxide composite cathode catalyst for enhancing performance of microbial desalination cell. *Materials Science for Energy Technologies*, 1(2), pp.188-195
2. Noori, M.T., **Ganta, A.** and Tiwari, B.R., 2020. Recent advances in the design and architecture of bioelectrochemical systems to treat wastewater and to produce choice-based byproducts. *Journal of Hazardous, Toxic, and Radioactive Waste*, 24(3), p.04020023.
3. **Ganta, A.**, Malek, A., Divyapriya, G., Nambi, I.M. and Thomas, T., 2021. Hydrogen production from human and cow urine using in situ synthesized aluminium nanoparticles. *International Journal of Hydrogen Energy*, 46(54), pp.27319-27329.
4. **Ganta A**, Bashir Y, Das S. Dairy wastewater as a potential feedstock for valuable production with concurrent wastewater treatment through microbial electrochemical technologies. *Energies*. 2022 Nov 30;15(23):9084.
5. Nippatlapalli N, **Ganta A**. Recent progress on application of nonthermal plasma for the degradation of aqueous emerging contaminants: A review on mechanism, reactor strategies, integrated systems and future perspective. *Process Safety and Environmental Protection*. 2024 Jul 1;187:1454-70.
6. Sikarwar D, Das I, **Ganta A**, Nambi IM, Erable B, Das S. Microbial electrolysis cells: Fuelling the future with biohydrogen—A review. *Sustainable Chemistry for the Environment*. 2025 Mar 1;9:100224.
7. Rasheed A, **Ganta A**, Jadhav DA, Das S. Advancements in the development of membranes employed in microbial electrochemical technologies. *Bioresource Technology Reports*. 2023 Jun 1;22:101499.
8. **Ganta A**, Divyapriya G, Nambi IM. In situ growing of zero-valent aluminium nanoparticles for the concurrent hydrogen production and chromium removal from artificial wastewater. *Journal of Environmental Chemical Engineering*. 2023 Jun 1;11(3):110096.

INTERNATIONAL CONFERENCES

1. G. Anusha, Md.T. Noori, Pritha Chatterjee, M.M. Ghangrekar (2018). Application of Carbon supported Silver-Tin oxide composite (Ag-SnO₂) cathode for enhancing desalination performance in

microbial desalination cell. International Conference on Sustainable Technologies for Intelligent Water Management, IWRS, IIT Roorkee, India (Oral).

2. G. Anusha, Md. T. Noori, M. M. Ghangrekar (2018). Enhanced performance of microbial desalination cell with green synthesized Aluminium doped zinc oxide supported on reduced graphene oxide as cathode catalyst. Indo-EU workshop on The Recent Development in Microbial Fuel Cell and Membrane Bioreactor Technology Indian Institute of Technology Kharagpur, India; 2-3 February 2018 (Poster presentation).

3. G. Anusha, Md. T. Noori, M.M. Ghangrekar (2018). Green synthesis of reduced graphene oxide supported aluminium doped zinc oxide to be used as cathode catalyst for enhancing the performance of microbial desalination cell, International Conference on Desalination, InDA, NIT –Tiruchirappalli, India (Oral).

COMPETITIONS/ WORKSHOPS/SEMINARS

- **Won 5 lakhs of grant** to build and demonstrate prototype as a part of Water chakra team in Final event during 5th-7th June 2019, **Carbon zero challenge 2019** at IIT Madras
- Have been shortlisted for 3 days Tamil Nadu Student Innovation – Bootcamp that was held from 11 Feb 2019 to 13 Feb 2019 in Anna University
- Attended Program on Winter School on Circular Economy, Ekonnnect Knowledge Foundation, IIT Madras, Madras Chamber of Commerce and Industry, Nov 18th- 20th, 2019.
- Attended the USYD - IITM Sustainable Development Goals (SDG 7) Workshop “Energy Consortium - Driving the Hydrogen Revolution” on 10 August 2022, jointly organized by The University of Sydney and the Indian Institute of Technology Madras.
- Received MHRD Scholarship (Govt. of India) at M.Tech. level, IIT Kharagpur.
- Received MHRD Scholarship (Govt. of India) to pursue Ph.D. from IIT Madras.
- Won Second Prize in Paper Presentation event in National Level Technical Symposium 'SOUDHA 2K14' held at Department of Civil Engineering in UCEK, JNTU Kakinada.
- Attended the Workshop on E-TABS conducted by Texel Consulting Engineers in Megalith 2015, The Annual tech fest of Department of Civil Engineering, IIT Kharagpur.

POSITIONS OF RESPONSIBILITY

- Worked as General Secretary for SAM Hall Maintenance (2017 – 2018).
- Served as an Executive LEO Club member in JNTU Kakinada (2014 - 2015).

Other activities

- Successfully completed internationally accredited diploma in yoga training with distinction
- successfully completed the course Diet And Nutrition Coach Certification: Beginner To Advanced on 01/30/2022

DECLARATION

To all those concerned I, Ganta Anusha hereby declare that the information furnished in the above lines of this document are true to my belief and that I have not suppressed/modified any facts whatsoever in the declaration