

CURRICULUM VITAE



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Department of Environmental Sciences
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SKILLS AND EXPERTISE

Wastewater Treatment, Anaerobic digestion, Bio-electrolysis, Biogas production, Water Quality, Constructed Wetland Microbial Fuel Cell (CW-MFC)

EDUCATIONAL QUALIFICATION

Degree	Subject	Name of the University	Year
Ph.D.	Environmental Sciences	Central University of Gujarat	2019
M.Phil.	Environmental Sciences	Central University of Gujarat	2015
M.Sc.	Environmental Sciences	C.S.J.M. University	2011
B.Sc.	Zoology, Botany	C.S.J.M. University	2009

RESEARCH PAPERS

- *Prajapati, K. B., & Singh, R. (2020).* Bio-electrochemically hydrogen and methane production from co-digestion of wastes. **Energy**, 198, 2020, 117259.
Impact factor- 6.082 ISSN- 0360-5442
- *Prajapati, K. B., & Singh, R. (2020).* Enhancement of biogas production in Bio-electrochemical digester from agricultural waste mixed with wastewater. **Renewable Energy**, 146, 2020, 460-468. **Impact factor-6.274 ISSN- 0960-1481**
- *Prajapati, K. B., & Singh, R. (2018).* Kinetic modelling of methane production during bio-electrolysis from anaerobic co-digestion of sewage sludge and food waste.
Bioresource technology, 263, 2018, 491-498. **Impact factor-7.539 ISSN- 0960-8524**
- *Prajapati, K. B., & Singh, R. (2018).* Sewage sludge and food waste co-digestion to methane: A multi response and kinetic modeling study to evaluate the dynamics in compositional parameters. **Bioresource Technology Reports**, 2, 2018, 121-130. **ISSN- 2589-014X**

SEMINAR ATTENDED AND PAPER PRESENTATIONS

- International Conference on Energy and Infrastructure Management, ICEIM-2018 at Pandit Deendayal Petroleum University, PDPU, Gandhinagar, Gujarat
Topic- Bio-electrochemical System: A New Technology for Sustainable Energy Production and Waste Management
- International Congress of Environmental Research, ICER-2018, at Amity University, Gwalior, Madhya Pradesh
Topic- Waste to Energy: Anaerobic Co-Digestion Process Optimization Using Response Surface Methodology

- International Conference on Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry, ICBN-2018 at Guru Jambheshwar University of Science & Technology, Hisar, Haryana
 Topic- Modelling the Kinetics of Bioelectrolysis for Methane Production from Anaerobic Co-Digestion of Sewage Sludge and Food Waste
- International Conference on Climate Change towards Health and Agricultural Sustainability, CCHAS-2019 at Guru Jambheshwar University of Science & Technology, Hisar, Haryana
 Topic- Bioelectrochemical production of hydrogen and methane at higher solids concentration of sewage sludge co-digested with food waste and agricultural waste
- International Conference on Sustainable Technologies For Environmental Management, STEM-2019 at Delhi Technological University, Delhi
 Topic- Effect of bioelectrolysis on methane production at different pH by co-digestion of food waste and agricultural waste with sewage sludge
- International conference on, “Advances in Water Resources Development and Management- AWRDM-2013, at Punjab University, Chandigarh.
- National Conference on Green Chemistry- 2013 at Gujarat Environment Management Institute, GEMI, Gandhinagar, Gujarat
- International Conference on Emerging Trends in Chemical Sciences- 2013, at Central University of Gujarat, Gandhinagar, Gujarat
- Advances in Environment Science and Technology, AEST-2014, at Central University of Gujarat, Gandhinagar, Gujarat

- National Symposium, “Advances in Environment Sciences” 2015. at Central University of Gujarat, Gandhinagar, Gujarat
- International Conference on Geothermal Energy: Exploration and Exploitation, 2015 at Pandit Deendayal Petroleum University, PDPU, Gandhinagar, Gujarat

WORKING EXPERIENCE

- **1** Year Working Experience (21.07.2011 To 31.07.2012) as a Chemist in the Lab. of Environment Department (Wastewater Treatment Plant) at Tata Motors Pvt. Ltd. Lucknow, (U.P)
- **6** Month working experience (01.07.2013 to 31.12.2013) on the project, Water quality status in rural areas of Gujarat, at Gujarat Environment Management Institute, Gandhinagar, Gujarat
- **8** Month working experience (29.08.2019 to 31.03.2020) as a Project Assistant-III (**Project-** A closed loop small scale constructed wetlands based wastewater treatment system: Demonstration to deployment.) at CSIR-IMMT (Institute of Minerals & Materials Technology) Bhubaneswar, Odisha

EXTRACURRICULAR ACTIVITIES

- Diploma in Health, Safety and Environmental Management in offshore and Petroleum Engineering (NPTEL-IIT Madras)
- PG Diploma in Health Safety and Environment Management, (NIFSE, Nagpur)

PERSONAL DETAILS

Name : Kalp Bhusan Prajapati
Father's name : Ramlal Prajapati
Mother's name : Savitri Prajapati
Date of Birth : 30 January 1986
Nationality : Indian
Language : Hindi, English
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Nawabganj, Kanpur, Uttar Pradesh-208002