

DR. BIBHABASU MOHANTY

To be associated with a progressive organization that can provide me with a dynamic work sphere to extract my inherent skills as a Professional, use and develop my aptitude to further the organization's objectives, and attain my career targets in the progress.



EDUCATION AND QUALIFICATIONS

- Jul 2014 - Jan 2022** **Ph.D (Environmental Science)**
Pandit Deendayal Energy University, Gandhinagar, Gujarat
Heavy Metals in Soil, Agricultural Product and in Groundwater from Industrially Contaminated Sites of Gujarat.
- Jul 2009 - Jul 2011** **M. Tech (Environmental Engineering)**
Vellore Institute of Technology, Vellore, Tamilnadu
- Jul 2007 - Jul 2009** **M. Sc (Biotechnology)**
MITS School of Biotechnology, Utkal University, Bhubaneswar, Odisha



WORK EXPERIENCE

- Jul 2011 - Present** **Assistant Professor**
SAL Institute of Technology and Engineering Research, Ahmedabad
Teaching and supervising undergraduate students, Assisting with various departmental duties like preparation of timetable, examination schedule, Conducting research, and publishing papers in academic journals, Book publication, Providing demonstrations and supervising experiments and investigations, Attending faculty and departmental meetings, and voicing concerns or providing suggestions for improvement.



FIELD EXPERIENCE

Schedule -1 auditor of environmental audit team of SAL College of Engineering from 2015 to 2017. List of audited companies-

- TATA Motors limited,
- Torrent Pharmaceuticals,
- Gujarat State Electricity Corporation,
- Ambuja Intermediates limited,
- Rhythm Biocare,
- Gujarat Vepari Mahamandal,
- Torrent Powerplant



AREA OF INTEREST

Environmental quality monitoring, Water and wastewater treatment system, Solid waste management, Air pollution, Environmental audit, impact assessment and policy, Industrial waste management.



SKILLS

- Environmental Audit** ★★★★★
- Microsoft Word, Excel and power point** ★★★★★



PERSONAL

- Name**
Dr. Bibhabasu Mohanty
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- Phone number**
7383789601
- Email**
bibhabasu.mohanty@gmail.com
- Date of birth**
05-07-1986
- Gender**
Male
- Nationality**
Indian
- Marital status**
Married
- LinkedIn**
<https://www.linkedin.com/in/bibha9b0b3a42>



PUBLICATIONS

A. Journals

1. "Removal of heavy metal by screening followed by soil washing from contaminated soil", International Journal of Technology & Engineering System (IJTES), Jan – March 2011- Vol.2. No.3 (ISSN: 0976-1345).
2. "Study on effect of soil washing with different washing cycles on particle size of contaminated soil", International Journal for Scientific Research & Development (IJSRD), November-2014-Vol.2. Issue 09 (ISSN: 2321-0613, Online).
3. "Study of traffic volume and level of noise pollution at different intersections on urban road – case study on driven in road - Ahmedabad city", International Journal of Innovative and Emerging Research in Engineering (IJIERE), Vol.3. Issue 05, 2016 (ISSN: 2394-5494).
4. "Comparative analysis of chemical and physical properties of mini cement plant and major cement plant", Journal of Research, December-2016-Vol.2. Issue 10 (ISSN: 2395-7549).
5. "Simulation of Container Terminal Model (SimCon-T) for Mahuva Intermodal for Better Development of Logistic Management System", International Journal for Scientific Research & Development (IJSRD), Volume 5, Issue 01, 2017 (ISSN: 2321-0613, Online).
6. "Chemical treatability study of disposed wastewater generating from sewage treatment plant in Ahmedabad city", International Journal of Advance Research in Engineering, Science & Technology (IJAREST), Volume 4, Issue 3, March-2017 (e-ISSN: 2393-9877, p-ISSN: 2394-2444).
7. "Design and construction of a conceptual single unit filtration system for water and wastewater treatment", International Journal of Science Technology & Engineering (IJSTE), Volume 3, Issue 10 April 2017 (ISSN (online): 2349-784X).
8. "Design and construction of modified rapid sand filter for treatment of raw water", Journal of Research, May-2017-Vol.3. Issue 3 (ISSN: 2395-7549).
9. "Characterization and Effects of Municipal Solid Waste Landfill Leachate on Ground Water Quality, Case Study of Gandhinagar City, Gujarat", Journal of Interdisciplinary Cycle Research (JICR), Volume XI, Issue X, October/2019 (ISSN: 0022-1945).
10. "Use of Natural Materials for Low Cost and Effective Technology for Greywater Treatment", Science, Technology and Development (STD), Volume VIII Issue XI NOVEMBER 2019 (ISSN: 0950-0707).
11. "Energy self-sufficient for domestic wastewater treatment by using microbial fuel cell", Science, Technology and Development (STD), Volume IX Issue March 2020 (ISSN: 0950-0707).
12. "Removal of color from domestic and industrial treated effluent by using aluminum sulfate as a coagulant and sodium hydrosulphite as reducing agent", Aegaeum Journal, Volume 8, Issue 3, 2020 (ISSN NO: 0776-3808).
13. "Heavy metals in soils and in vegetations from wastewater irrigated croplands near Ahmedabad, Gujarat, India: Risk to human health", Nature Environment and Pollution Technology, Vol. 20, No. 1 2021. (ISSN: 2395.3454)

B. Book

1. Co-author of "Environmental Studies" for B.E. semester 1 & 2 of Gujarat Technological University, by Atul Prakashan (ISBN NO. 978-93-81518-84-7).
2. Author of the book "Air Pollution and Control" by Mantech Publication. (ISBN NO. 978-81-941271-1-6)
3. Author of book "Basics of water and wastewater Engineering" by LAMBERT publication (ISBN NO. 978-620-2-91764-3)



ACHIEVEMENTS

REVIEWER:-

- Advances in Science, Technology and Engineering Systems Journal (ASTESJ) (ISSN: 2415-6698), Reviewer Code: AJR07439.
- Journal of Agricultural Science and Technology A & B, USA (ISSN: 2161-6256 (A), 2161-6264 (B)).
- Global Journal of Civil and Environmental Engineering (RAFT publications, Sweden).
- Journal of Engineering Research and Science (Reviewer code- JSR00137).

EXPERT TALKS:-

- "Low cost and effective treatment technology for greywater using natural materials" at Indian Water Works Association, Ahmedabad Centre for 38th Annual Day Celebration.
- "Bio-weapon: Impact on public health and environment" organized by department of civil engineering SAL Institute of Technology & Engineering Research.

- “Wastewater irrigation and its impact on the environment and human health” organized by the department of civil engineering SAL Institute of Technology & Engineering Research.
- “Green Economy for sustainable development” organized by department of civil engineering SAL Institute of Technology & Engineering Research.
- “How to write a good research paper” Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar.
- “Circular economy for sustainable development” organized by department of civil engineering SAL Institute of Technology & Engineering Research.

MEMBERSHIP OF PROFESSIONAL BODIES:-

- Indian Society for Technical Education (LM-126855)
- Life Member of International Environment Forum
- Life member of Institute of scholars (InSc2021BD88)

NO OF SEMINAR/WORKSHOP/CONFERENCE CONDUCTED:-

- One-day seminar Recent Trends in Urban Development January 25, 2016.
- One Week Faculty Development Program On “Advancements in Civil Engineering”, 7th -11th January 2019.
- Two days national seminar on “Disasters and their sustainable solutions”, 30th – 31st January 2020.
- Two days national seminar on “Modern approaches in civil engineering”, 15th – 16th April 2021.

CERTIFICATES:-

- Gujarat Industrial Hackathon 2019 academic mentor by Govt. of Gujarat 6th -7th April 2019
- Gujarat Industrial Hackathon 2020 academic mentor by Govt. of Gujarat 27th -28th February 2020.



COURSES

- Sep 2020 - Dec 2020 **Integrated Waste Management for a Smart City**
 AICTE
 12 weeks FDP
- Jan 2020 - Mar 2020 **Plastic waste management**
 AICTE
 8 weeks FDP



PAPER PRESENTATION

- Presented paper 1st International conference on “Science, Engineering and Technology” held from 12th -13th Nov. 2010 at VIT University, Vellore.
- Presented research paper in 2nd International conference on “Science, Engineering and Technology” held from 20th -21st April 2011 at VIT University, Vellore.
- “Heavy metals in Soil and in Vegetation due to sewage-farming around Ahmedabad city of Gujarat”, International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2020), January 24-25, 2020, Pondicherry Institute of Agricultural Sciences, and Pondicherry, India.
- “Design and construction of a single unit filtration system for the treatment of domestic wastewater”, International Conference on Sustainable Technologies for Desalination & National Water Mission and Annual Congress of InDA (InDACon-2020), February 13-15, 2020, Indus University, Ahmedabad, India.
- “Removal of color from wastewater by using alum as coagulant and Sodium dithionite (Na₂S₂O₄) as reducing agent” in three days e- Conference on “A Current Scenario of research in the field of Civil Engineering”, organized by Department of Civil Engineering, Sankalchand Patel College of Engineering, Visnagar, Gujarat during 27th - 29th January 2021.
- “Substrate optimization for generation of electricity from wastewater by using microbial fuel cell” in an international conference on “Green technologies for sustainable development”, organized by DDIT, Nadiad, 9th to 11th March 2021.



PROJECT GUIDED

- Effect of Traffic on Noise quality of Ahmedabad Region
- Determination of Drinking-water Quality in Paldi Region of Ahmedabad
- Reduction, Reuse, and Recycling of Solid, Construction, and e-waste
- Comparative Analysis of Chemical and Physical Properties of Mini Cement Plant and Major Cement

Plant

- Solar Energy for Water treatment plant, its Design, and Utilities
 - Low-Cost Energy Efficient Building
 - Chemical Treatability Study of Disposed Wastewater Generating from Sewage Treatment Plant
 - Construction and Design of Zero Net energy efficient Building
 - Design and Construction of a Single unit Filtration System for Water and Wastewater
 - Design and Construction of Modified Rapid Sand Filter
 - Effects of solid waste open dumping on water quality
 - The natural material used for water treatment
 - Sustainable wastewater treatment by using microbial fuel cells
 - Vishwakarma Yojana: Phase IV, an Approach towards Rurbanisation
 - Automatic irrigation system by using wastewater
 - Effect of sewage farming on water and soil quality
 - Design and construction of a low cost ozonated air purifier
 - Potential treatment and reuse of wastewater generated from Textile industries
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REFERENCES



SAL Institute of **Prof. V.G. Patel**
Technology and [9428419393](tel:9428419393)
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