

# **Presentations and Publications**

### List of posters presented

- Poster presented “**Nitrate removal from wastewater using moving bed biofilm reactor: A performance analysis**”. Roshni Patel, Anuradha Nerurkar and Upendra Patel Presented at 59<sup>th</sup> Annual Conference of Association of Microbiologists of India & International Symposium on Host-Pathogen Interactions 9-12 December, 2018 University of Hyderabad, India.
- Won **first prize** and **participant’s choice award** for poster titled “Metagenomic insights in to denitrifying biofilm developed in moving bed biofilm reactor (MBBR) with a special microbial seed”. Roshni Patel, Anuradha Nerurkar\* presented at 4th Prof.V.V Modi Memorial lecture series and One day national seminar on Genomics and Metagenomics of microbial Ecosystems organized by department of microbiology ,M.S.University of baroda on 10th February 2020.
- Won **third poster presentation award** for poster titled “Development of special microbial seed for removal of nitrate from wastewater”. Roshni Patel, Anuradha Nerurkar\* presented at International Conference on Biotechnology interventions for societal development (Biosangam 2020)organized by department of biotechnology during february 21-23,2020 at Department of biotechnology , MNNIT Allahabad,Prayagraj,India.

### List of publications

- Roshni J. Patel, Upendra D. Patel, and Anuradha S. Nerurkar. "Moving bed biofilm reactor developed with special microbial seed for denitrification of high nitrate containing wastewater." World Journal of Microbiology and Biotechnology 37.4 (2021): 1-13.
- Roshni J.Patel, Debarshi Mukherjee and Anuradha Nerurkar. “Biofilm based denitrifying Moving Bed Biofilm Reactor (dMBBR) for the removal of nitrate from wastewater”. (Book chapter)(Accepted).

### List of seminars attended

- “Plant-microbe interactions in plant health, disease and biocontrol” organized by Department of Microbiology, The Maharaja Sayajirao University of Baroda on 4<sup>th</sup> October, 2017.
- “Plant & Microbial Biotechnology” organized by Bharat Chattoo Genome Research Centre and Department of Microbiology, The Maharaja Sayajirao University of Baroda on 16<sup>th</sup> December, 2017.
- “Recent Advances in Cancer and Cell Biology” and 2<sup>nd</sup> Prof. V. V. Modi Memorial Lecture organized at Department of Microbiology, The Maharaja Sayajirao University of Baroda on 6<sup>th</sup> January, 2018.
- 3<sup>rd</sup> Prof. V. V. Modi Memorial Lecture and International Symposium on “Vaccine Development and Infectious Diseases” organized by Department of Microbiology, The Maharaja Sayajirao University of Baroda on 7<sup>th</sup> January 2019.
- One day seminar on Analytical Instrumental Techniques organized by Department of Environmental Studies, Sir C.V. Raman Building ,Faculty of Science, The Maharaja Sayajirao University of Baroda on 9<sup>th</sup> April,2019.
- Participated in GSBTM sponsored National Level Virtual Symposium on “Recent Trends in Modern Biology” organized by Department of Biological Sciences, P. D. Patel Institute of Applied Sciences Charusat, Gujarat during 10<sup>th</sup> -12<sup>th</sup> December, 2020.
- Attended “Science Conclave 2020 organized by Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara on 28<sup>th</sup> February, 2020.

### List of workshops attended

- Participated in the workshop on “Wastewater from characterization to treatment “conducted by Biocare Research (I) Pvt Ltd. and Institute of Science, Nirma University Ahmedabad during 12-14 March, 2018.
- ISME-AMI Pre-Conference Workshop on Hands on to Computational Biology for (Meta) Genomics Analysis held on 9<sup>th</sup> December, 2018 during 59<sup>th</sup> International Annual Conference of Association of Microbiologists of India (AMI-2018) at University of Hyderabad, Hyderabad, Telangana, India.

- One day workshop on Biological Applications of Magnetic Nanoparticles” at MS University Baroda conducted on 27<sup>th</sup> March 2019.
- Participated in the One week workshop on “Research data and statistical analysis using R programming “organized by Information and library Network (INFLIBNET)centre , Gandhinagar, Gujarat from 16<sup>th</sup> to 21<sup>st</sup> September2019.
- Participated in the national workshop on “Statistical Data Analysis using R-studio and R Programming” organized by Department of Mathematical Sciences and Technology, CHARUSAT, Gujarat, India held during 30<sup>th</sup> Oct to 1<sup>st</sup> Nov,2020.
- Hands-on training program on “Advanced bioinformatics” jointly organized by Gujarat Biotechnology Research Centre and Gujarat University, held from 18<sup>th</sup> - 22<sup>nd</sup> October, 2021 at Gujarat Biotechnology Research Centre, Gandhinagar, Gujarat.