Publications and Posters

Publications

1. **Shah AP**, Farooqui S, Maurya DM, Sharma A, Archana G. Linkage of microbial parameters with sediment physicochemical properties in subsurface fluvial sediment deposits of the Mahi River basin, Western India (Accepted – Indian J. of Microbiology).
2. **Shah AP**, Archana G. 2021. Evaluation of bacterial strains isolated from Late Quaternary alluvial sediments spanning~ 28 m in depth for heavy metal tolerance and Cr (VI) removal ability. Int Microbiol. 24: 385–398. https://doi.org/10.1007/s10123-021-00174-0
3. Gangavarapu S[*], Kumar K[*], **Shah AP[*]**, Maurya DM, Sharma A, Chamyal LS, Archana G. 2021. Geochemical characteristics control potential microbial activity in exposed Late Quaternary alluvial deposits. Pedobiologia. 4:150747. https://doi.org/10.1016/j.pedobi.2021.150747
   [*]Equal contribution.
4. Shazi F, **Shah AP**, Maurya DM, Archana G, Ali SN, Sharma A. 2021. Texture, mineralogy and geochemistry of late Quaternary sediments of the Mahi River basin, western India: Implications to climate and tectonics. Appl Geochem. 134: 105088. https://doi.org/10.1016/j.apgeochem.2021.105088

Manuscript under communication

1. **Shah AP**, Farooqui S, Maurya DM, Sharma A, Archana G. Effect of sediment physicochemical properties on microbial enzyme activities within subsurface tidal flat estuarine and fluvial sediment deposits. Under communication.

Poster Presentations

International Conference (Overseas)

- **Abhi Shah**, Giri Sarita, Deepak M. Maurya, Sharma Anupam and Archana G. "Microbial activity along a continuous subsurface core from an agriculture field at the estuarine region of Mahi river: correlation with sediment characteristics". Poster presented at International Conference on Ecology of Soil Microorganisms 2015- Microbes as Important Drivers of Soil Processes held on 29th November to 3rd December **2015**, organized at Prague, Czech Republic.

International Conferences (In India)

- **Abhi P. Shah**, Chavda Priyank D., Paithankar Priya, Shekhawat Parwat Singh and Archana G. "Metal tolerance of heterotrophs isolated from deep sediment samples near a long term industrially contaminated site". Poster presented at 59th Annual Conference of Association of Microbiologists of India (AMI- 2018) & International Symposium on Host Pathogen Interactions held on 9th to 12th December **2018**, organized by School of Life Sciences, University of Hyderabad, Hyderabad, India.
- **Shah Abhi**, Akangkshya Borkotoky, D. M. Maurya and Archana G. "Microbial activities and diversity within sediment core profile of pleistocene section of Mahi river basin: Case study from Rayka, Gujarat, Western India". Poster presented at 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on Microbes for Sustainable Development: Scope & Applications (MSDSA) held on 16th to 19th November **2017**, organized by Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow, Uttar Pradesh, India.
- **Shah Abhi**, D. M. Maurya and Archana G. "Microbial diversity assessment within continuous subsurface sediment core of estuarine region of Mahi River Basin, Western India." Poster presented at NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT), 7th international conference held on 2nd to 4th October **2017**, organized by SciGenom Research Foundation (SGRF), Bhubaneswar, Odisha, India.

National Conferences

- **Abhi Shah,** D. M. Maurya and G. Archana. "A study of microbial diversity in subsurface sediment samples across geological formations at estuarine region of Mahi river basin, western India". Poster presented at 4th Prof. V. V. Modi Memorial Lecture Series & A One-Day National Seminar on Genomics & Metagenomics of Microbial Ecosystems held on 10th February **2020**, organized by Department of Microbiology & Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India.
- **Abhi Shah**, Gangavarapu Subrahmanyam, Deepak M. Maurya, L. S. Chamyal and Archana G. "Microbial activity and diversity in microbial hot-spots of exposed vadose

zone near Rayka, Mahi River basin, Western India in relation with soil physicochemical characters". Poster presented at National conference on Recent Trends and Future Prospects in Multidisciplinary Approaches in Microbiology (RTFPM) held on 4th and 5th October **2014**, organized by Department of Microbiology, Rajaram College, Kolhapur, Maharashtra, India.

State Conferences

- **Abhi Shah**, Shekhawat Parwat Singh, Paithankar Priya, Maurya D. M., Sharma Anupam and Archana G. "Microbial abundance and activity along a continuous subsurface core from an industrially contaminated region of Mahi river basin, Gujarat". Poster presented at 30th Gujarat Science Congress (XXX-GSC-2016) & Challenges for Science and Technology Education during coming decades: Preparing for a Sustainable Gujarat held on 6th and 7th February **2016**, jointly organized by Gujarat Science Academy & K.S.K.V Kachchh University, Gujarat, India.
- Vaibhav Kayasth, **Abhi Shah**, Bhavesh Sharma, D. M. Maurya, G. Archana, Anupam Sharma and L. S. Chamyal. "Geological evolution of the Mahi Estuary: Evidence from a shallow continuous core". Poster presented at 29th Gujarat Science Congress (XXIX-GSC-2015) held on 28th February and 1st March **2015,** jointly organized by Gujarat Science Academy and Science City, Ahmedabad, Gujarat, India.

Grant received

- Awarded the accommodation allowance from SciGenom Research Foundation (SGRF) for presenting poster at NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) conference, Bhubaneswar, Odisha, India on 2nd to 4th October **2017**.
- Awarded the accommodation and travel grants from CICS and DBT for presenting poster at Ecology of Soil Microorganisms 2015, Prague, Czech Republic, on 29th November to 3rd December **2015.**