

LIST OF PUBLICATIONS

Out of the Thesis

International

1. **PADMALAL, A.**, Maurya, D. M., Vanik, N. P., Shaikh, M. A., Tiwari, P., & Chamyal, L. S. (2021). Impact of long term uplift on stream networks in tectonically active Northern Hill Range, Kachchh palaeo-rift basin, western India. **Journal of Mountain Science**, Springer, 18(6), 1609-1629.

Other publications

International

1. Pillai, S. B., Jha, P. K., **PADMALAL, A.**, Maurya, D. M., & Chamyal, L. S. (2018). First principles study of hydrogen bond symmetrization in δ -AlOOH. *Journal of Applied Physics*, 123(11), 115901.
2. **PADMALAL, A.**, Khonde, N., Maurya, D. M., Shaikh, M., Kumar, A., Vanik, N., & Chamyal, L. S. (2019). Geomorphic characteristics and morphologic dating of the Allah Bund Fault scarp, great rann of Kachchh, western India. In *Tectonics and Structural Geology: Indian Context* (pp. 55-74). Springer, Cham.
3. Shaikh, M. A., Maurya, D. M., Vanik, N. P., **PADMALAL, A.**, & Chamyal, L. S. (2018). Uplift induced structurally controlled landscape development: example from fault bounded Jumara and Jara domes in Northern Hill Range, Kachchh, Western India. *Geosciences Journal*, 1-19.
4. Shaikh, M. A., Maurya, D. M., Mukherjee, S., Vanik, N. P., **PADMALAL, A.**, & Chamyal, L. S. (2020). Tectonic evolution of the intra-uplift Vigodi-Gugriana-Khirasra-Netra Fault System in the seismically active Kachchh rift basin, India: Implications for the western continental margin of the Indian plate. *Journal of Structural Geology*, 140, 104124.
5. Vanik, N., Maurya, D. M., Shaikh, M., **PADMALAL, A.**, Tiwari, P., & Chamyal, L. S. (2021). A tectono-geomorphological perspective of micro-earthquake swarm activity prone areas around Bhavnagar and Jamnagar in Saurashtra, western India. *Quaternary International*, 585, 111-133.
6. Tiwari, P., Maurya, D. M., Shaikh, M., Patidar, A. K., Vanik, N., **PADMALAL, A.**, ... & Chamyal, L. S. (2021). Surface trace of the active Katrol Hill Fault and estimation of paleo-earthquake magnitude for seismic hazard, Western India. *Engineering Geology*, 295, 106416.
7. Maurya, D. M., Tiwari, P., Shaikh, M., Patidar, A. K., Vanik, N., **PADMALAL, A.**, & Chamyal, L. S. (2021). Late Quaternary drainage reorganization assisted by surface faulting: The example of the Katrol Hill Fault zone, Kachchh, western India. *Earth Surface Processes and Landforms*, 46(7), 1268-1293.
8. Shaikh, M. A., Patidar, A. K., Maurya, D. M., Vanik, N. P., **PADMALAL, A.**, Tiwari, P., ... & Chamyal, L. S. (2022). Building tectonic framework of a blind active fault zone using field and ground-penetrating radar data. *Journal of Structural Geology*, 155, 104526.

9. Maurya, D. M., Chowksey, V., Shaikh, M. A., Patidar, A. K., **PADMALAL, A.**, & Chamyal, L. S. (2022). Mapping the near-surface trace of the seismically active Kachchh Mainland Fault and its lateral extension in the blind zone, Western India. Near Surface Geophysics, 1-23.

ABSTRACTS PRESENTED IN SEMINARS/ CONFERENCES

International

1. **AKASH PADMALAL**, D. M. Maurya, Vikas Chowksey and L. S. Chamyal. Development and degradation of fault scarps in hyper arid setting: example from Kachchh Mainland Fault (KMF), Kachchh, western India International Virtual Conference in Geosciences with focus on Climate Change Perspectives organized Department of Geology, Mohanlal Sukhadia University, Udaipur, Rajasthan, India on 10th July 2017.
2. **AKASH PADMALAL**, Naimisha Vanik, D. M. Maurya, Mohammedharoon Shaikh and L. S. Chamyal. Tectonic geomorphology of Sihor Fault, Saurashtra, Western India” on 9th International Conference on Geomorphology organised by International Association of Geomorphologists (IAG), Vigyan Bhawan, New Delhi during 6 November 2017 to 11 November 2017.

National

1. **AKASH PADMALAL**, D. M. Maurya, Mohammedharoon Shaikh, L. S. Chamyal. Stream response to tectonic uplift along Kachchh Mainland Fault, Kachchh, western India” was presented at National conference on Earthquake Investigation and Instrumentation organised by CSIR-CSIO, Chandigarh held during 23 and 24 September 2019.

WORKSHOP ATTENDED

Attended Workshop on Quantitative Geomorphology sponsored by INSA-Oil India at Indian Institute of Technology (IITGN), Gandhinagar from 7th to 21st February 2020.