LIST OF PUBLICATIONS OF NAIMISHA VANIK

In refereed journals:

Publications out of PhD Thesis:

Vanik, N., Shaikh, M. A., Mukherjee, S., Maurya, D. M., & Chamyal, L. S. (2018). Post-Deccan Trap stress reorientation under transpression: Evidence from fault slip analyses from SW Saurashtra, Western India. **Journal of Geodynamics,** 121, 9-19. https://doi.org/10.1016/j.jog.2018.06.004. IF: 2.345

Other publications:

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. https://doi.org/10.1016/j.quaint.2020.12.041. IF: 2.199

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**, 18(6), 1609-1629. https://doi.org/10.1007/s11629-020-6420-9. IF: 1.423

Maurya, D. M., Tiwari, P., Shaikh, M., Patidar, A. K., **Vanik, N.,** Padmalal, A., & Chamyal, L. S. 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. https://doi.org/10.1002/esp.5097. IF: 3.722

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. https://doi.org/10.1016/j.jsg.2020.104124. IF: 2.884

Shaikh, M. A., Maurya, D. M., **Vanik, N. P**., Padmalal, A., Chamyal, L. S. (2019). 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. https://doi.org/10.1007/s12303-018-0061-9. IF: 1.279

In edited volume:

Padmalal, A., Khonde, N., Maurya, D.M., Shaikh, M., Kumar, A., **Vanik, N**., and Chamyal, L.S. (2019). Geomorphic characteristics and morphologic dating of the Allah Bund Fault scarp, Great Rann of Kachchh, Western India. In: Mukherjee, S. (ed.), Tectonics and Structural Geology: Indian Context. Springer, 55–74. https://doi.org/10.1007/978-3-319-99341-6_3.

Abstract presented at seminars/conferences:

International Conference

Vanik, N. P., Maurya, D. M., Shaikh, M. A., and Chamyal, L. S. Morphotectonic Studies in Earthquake Swarm Activity Prone SW Saurashtra, western India [abstract]. In: **9th International Conference on Geomorphology;** 2017 November 6–11; Vigyan Bhawan, New Delhi; Indian Institute of Geomorphologists, Allahabad, 2017. Abstract number 241.

National Conference

Naimisha Vanik, Mohamedharoon Shaikh, D. M. Maurya, Soumyajit Mukherjee and L. S. Chamyal. Kinematic evolution of the Katar Fault, SW Saurashtra, Gujarat, western India: Insights from Paleostress analysis [abstract]. In: **'Science Conclave 2020'**; 2020 February 28, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara. Awarded for the best presentation.

Vanik, N., Shaikh, M. A., Maurya, D. M., Mukherjee, S., and Chamyal, L. S. Paleostress analysis near earthquake swarm activity prone south Saurashtra, Gujarat, western India using fault-slip data [abstract]. In: national conference on **"Earthquake: Investigation and Instrumentation";** 2019 September 23¬–24, CSIR- Central Scientific Instruments Organization (CSIO), Chandigarh, 2019. Pg. no. 32, Abstract number 26.

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Vanik, N. P., Shaikh, M. A., Maurya, D. M., Tiwari, P., Padmalal, A., and Chamyal, L. S. Evidence of neotectonic activity around Jamnagar in Northern Saurashtra, western India

[abstract]. In: national Seminar on '**Geological Aspects of Northwest Indian Shield**'; 2019 March 15–16, Mohanlal Sukhadia University, Udaipur, Rajasthan.

Vanik, N. P., Shaikh, M. A., Maurya, D. M., Mukherjees, S., and Chamyal, L. S. Kinematic studies in Saurashtra and Kachchh: implication for paleostress patterns at the western continental margin of India [abstract]. In: **2nd national conference and field workshop on "Recent studies on the geology of Kachchh basin"**; 2018 December 30–2019 January 1; Department of Earth and Environmental science, K. S. K. V. Kachchh University, Gujarat, 2018–2019. Pg. no. 120, Abstract number 63. Awarded for the best poster presentation.

Vanik, N. P., Shaikh, M. A., Maurya, D. M., Mukherjee, S., and Chamyal, L. S. Temporal change in stress orientations over SW Saurashtra, Gujarat, western India: indicators from paleostress analysis [abstract]. In: **5th national conference on Rock Deformation and Structures (RDS – V)**; 2018 October 4–6; Department of Geology, University of Delhi, North Campus, Delhi, 2018. Pg. no. 76, Abstract number 80.