- Bulusu, J., Pilipenko, V., Arora, K. and Simha, C.P. (2022). Patterns of geomagnetic Pc1 pulsations in different solar cycles in the near-equatorial region from the Indian subcontinent. Journal of Atmospheric and Solar-Terrestrial Physics, 240, p.105963.

- Bhatia, M., Rajesh, R., Ravi Kumar, M. and Agrawal, M. (2022). Microseism source distribution inferred from noise recordings at the Gujarat Seismic Network, India. Journal of Earth System Science, 131(1), pp.1-8. https:// doi.org/10.1007/s12040-021-01779-9.

- Chauhan, R., Kothyari, G.C., Bhakuni, S.S., Pant, P.D. and Taloor, A.K. (2022). Magnetic fabric and geomorphic characteristic of Neotectonic activity along strike direction of North Almora Thrust, Kumaun Lesser Himalaya, India. Geodesy and Geodynamics, 13(3), pp.261-274. https://doi.org/10.1016/j.geog.2022.01.002.

- Choudhury, P., Roy, K.S., Kamra, C. and Chopra, S. (2022). Development of empirical relationship between the observed and the estimated ground acceleration values of small to moderate earthquakes in the northwest (Gujarat) and northeast (NE) regions of India. Geomatics, Natural Hazards, and Risk, 13(1), pp.364-389. https://doi.org/10.1080/19475705.2022.2028906.

- Choudhury, P., Kamra, C., Kumar, S., Roy, K.S., Rao, K.M., Chopra, S. and Kumar, M.R. (2022). Occurrence of small to moderate magnitude earthquakes in Kachchh intraplate zone: A special emphasis to the 2020 Bhachau earthquake. Journal of Asian Earth Sciences: X, 7, p.100089. https://doi.org/10.1016/j.jaesx.2022.100089.

- Chouhan, A.K., Chopra, S., Chaube, H., Singh, D. and Mishra, A.K. (2022). Integrated analysis of the gravity and the magnetic data to infer structural features and their role in prospective mineralisation in and around the Ambaji–Deri–Danta–Chitrasani region, NW India, Journal of Earth System Science 131 (4),226.

- Das, A., Sodhi, A., Vedpathak, C., Prizomwala, S.P., Agnihotri, R., Makwana, N., Phartiyal, B., Joseph, J., Patel, N., Chopra, S. and Kumar, R, M. (2022) Did sea-water retreat at the dawn of Meghalayan era contributed in decline of coastal Harappan settlements? Geochemistry, Geophysics, Geosystems, https://doi.org/10.1029/2021GC010264.

- Das, A., Sodhi, A., Vedpathak, C., Ambekar, A., and Prizomwala, S. P. (2022). Assessment of Geoheritage and Geotoursim Potential of the Geoarchaeosites from the Mainland Gujarat, Western India Geoheritage, 14(4), 1-14. https://doi.org/10.1007/s12371-022-00768-8

- Das, A., Sodhi, A., Vedpathak, C.D., Prizomwala, S.P., Agnihotri, R., Makwana, N., Joseph, J., Patel, N., Chopra, S. and Ravi Kumar, M. (2022). Evidence for seawater retreat with advent of Meghalayan era (~ 4200 a BP) in a coastal Harappan settlement. Geochemistry, Geophysics, Geosystems, 23(6), p.e 2021GC010264.

- Joshi, M., Kothyari, G.C., Malik, K. and Taloor, A.K. (2022). Response of drainage to tectonics and PS-InSAR derived deformation study in Bilaspur, northwestern Himalaya, India. Geodesy and Geodynamics, 13(3), pp.205-218. https://doi.org/10.1016/j.geog.2021.06.005.

- Kázmér, M., Prizomwala, S. and Gaidzik, K. (2022). 8th century coastal uplift in Peninsular India–The Shore Temple at Mahabalipuram, Tamil Nadu. Quaternary International. https://doi.org/10.1016/j.quaint.2022.02.014

- Kothyari, G.C., Kandregula, R.S., Dumka, R., Chauhan, G. and Taloor, A.K. (2022). Quaternary tectonic history of seismically active intraplate Kachchh Rift Basin, western India: A review. Geodesy and Geodynamics, 13(3), pp.192-204. https://doi.org/10.1016/j.geog.2021.09.011.

- Kothyari, G.C., Malik, K., Dumka, R.K., Naik, S.P., Biswas, R., Taloor, A.K., Luirei, K., Joshi, N. and Kandregula, R.S. (2022). Identification of active deformation zone associated with the 28th April 2021 Assam earthquake (Mw 6.4) using the PSInSAR time series. Journal of Applied Geophysics, 206, p.104811.

- Kumar, N., Dumka, R.K., Mohan, K. and Chopra, S. (2022). Relative active tectonics evaluation using geomorphic and drainage indices, in Dadra and Nagar Haveli, western India. Geodesy and Geodynamics, 13(3), pp.219-229. https://doi.org/10.1016/j.geog.2022.01.001.

- Nikam, R., Chopra, S., G Pavan kumar K., Chaudhary, I., Nagar, N., Chaube, H., Singh, D., Adapa, D. P. and Danda, N. (2022). Investigation of Hydrological Characteristics of the Kachchh Mainland Fault zone, Gujarat, Western India using Time Domain Electromagnetic study. Journal of Earth System Sciences (accepted).

- Nikam, R., G Pavan Kumar, Durga Prasad, Chaube, H. and Chopra, S. (2022). Delineation of Palaeochannel and Groundwater Resources in The Khari River Basin, Kachchh using Transient Electromagnetics. Journal of Earth System Sciences 131, 248, https://doi.org/10.1007/s12040-022-02004-x.

- Padia, D., Desai, B., Chauhan, S., Prizomwala, S., Chauhan, G. and Thakkar, M.G. (2022). Middle to Late Holocene palaeoenvironmental evolution of the western Great Rann of Kachchh, India: Insights from ichnology, geochemistry, and sedimentology. Geological Journal, 57(9), pp.3916-3934.

- Pancholi, V., Bhatt, N., Singh, P., and Chopra, S. (2022). Multi-criteria approach using GIS for macro-level seismic hazard assessment of Kachchh Rift Basin, Gujarat, western India–First step towards earthquake disaster mitigation. Journal of Earth System Science, 131(1), pp.1-20. https://doi.org/10.1007/s12040-021-01744-6.

- Prizomwala, S. P., Vedpathak, C.D., Tandon, A., Das, A., Makwana, N. and Joshi, N. (2022) Geological footprints of the 1945 Makran tsunami from the west coast of India Marine Geology, 446, 106773. https://doi.org/10.1016/j.margeo.2022.106773.

- Prizomwala, S. P., Tandon, A., Kazmer, M., Makwana, N., Solanki, T., and Chauhan G. (2022). Geoheritage Potential of Miliolite Formation of the Southern Saurashtra (Western India), Gujarat Geoheritage, 14(4), 127.https://doi.org/10.1007/s12371-022-00761-1.

- Rastogi, B. K., and Chopra, S. (2022). A Report on National Symposium on Advances in Earthquake Science (AES 2022) at ISR, Gandhinagar, Journal of Geological Society of India 98, 1325-1326

- Sahoo, S.K., Katlamudi, M., Barman, C. and Lakshmi, G.U. (2020). Identification of earthquake precursors in soil radon-222 data of Kutch, Gujarat, India using empirical mode decomposition-based Hilbert Huang Transform. Journal of Environmental Radioactivity, 222, p.106353. https:// doi.org /10.1016/j.jenvrad.2020.106353

- Saikia, S., Chopra, S., Gogoi, B., Sharma, A., Gautam, J.L., Borgohain, H. and Singh, U.K. (2022). Variation in Moho topography and Poisson's ratio in the Eastern Himalayan arc. Physics and Chemistry of the Earth, Parts A/B/C, p.103134. https:// doi.org/10.1016/j.pce.2022.103134.

- Shastri, A., and Kumar, S. (2022). Source parameters and scaling relations for small earthquakes in mainland Gujarat region of Western Deccan Volcanic Province, India. Geomatics, Natural Hazards and Risk, 13(1), 2925-2948.

- Sodhi, A., Das, A., Prizomwala, S.P., Vedpathak, C. and Makwana, N. (2022). Centennial-scale linkages between the Indian Summer Monsoon and the solar irradiation from the Gulf of Khambhat (Western India). Quaternary International, 631, pp.82-92.

- Srijayanthi, G., Chatterjee, R.S., Kamra, C., Chauhan, M., Chopra, S., Kumar, S., Chauhan, P., Limbachiya, H. and Ray, P.C. (2022). Seismological and InSAR based investigations to characterise earthquake swarms in Jamnagar, Gujarat, India–An active intraplate region. Journal of Asian Earth Sciences: X, 8, p.100118.

- Suribabu, D., Dumka, R.K., Kothyari, G.C., Swamy, K.V. and Prajapati, S. (2022). Identification of crustal deformation in the Saurashtra region, western India: insights from PSI and GNSS derived investigation. Acta Geodaetica et Geophysica, pp.1-21.