

1. Baruah B, Kumar P. and Kumar M. R. (2016) Discrimination of Explosions and Earthquakes: An Example Based on Spectra and Source Parameters of the 11th May 1998 Pokhran Explosion and the 9th April 2009 Earthquake, Journal Geological Society of India, Vol.88, 1-9.
2. Baruah B, Kumar P., Kumar M.R, and Ganguli S.S. (2016) Stress-Drop Variations and Source-Scaling Relations of Moderate Earthquakes of the Indian Tectonic Plate, Bulletin of Seismological Society of America, doi: 10.1785/0120150106
3. Chingtham P., Yadav R.B.S, Chopra S., Yadav A.K, Gupta A.K. and Roy P.N.S. (2016). Time-dependent seismicity analysis in the Northwest Himalaya and its adjoining regions, Natural Hazards, 80:1783–1800.
4. Chingtham P., Sharma B., Chopra S., and Roy P.N.S. (2016). Statistical analysis of aftershock sequences related with two major Nepal earthquakes: April 25, 2015,  $Mw$  7.8, and May 12, 2015,  $Mw$  7.2, Annals of Geophysics, doi:10.4401/ag-7025.
5. Choudhury P., Chopra S., Roy, K. S. and Sharma J. (2016) Ground motion modelling in the Gujarat region of Western India using empirical Green's function approach, Tectonophysics, 675, 7–22.
6. Choudhury P., Chopra S., and Roy K.S., Site Classification for Strong Motion Stations in Gujarat, India Using Response Spectral Ratio (2016) Soil Dynamics and Earthquake Engineering, 87, 138-150.
7. Das A., Chauhan G., Prizomwala S. P., Thakkar M. G. and Rastogi B. K. (2016) Geomorphic Evidence and Tectonic Variability along the South Katrol Hill Fault, Kachchh, Western India: Insights from Geomorphic Indices. ZeitschriftfürGeomorphologie, 60(3), 209–218.
8. Das A., Falguni Bhattacharya, B.K. Rastogi, Gaurav Chauhan, MamataNgangom, M.G. Thakkar (2016) Response of a dryland fluvial system to climate–tectonic perturbations during the Late Quaternary: Evidence from Rukmawati River basin, Kachchh, western India, Journal of Earth System Science, 125(6), 1119–1138.
9. Gandhi D., Chavare K.A., Prizomwala, S.P., Bhatt, N.Y. and Mohan, K. (2016) Testing the Numerical Models for Boulder Transport through high energy marine wave event: An example from Southern Saurashtra, Western India. Quaternary International, <http://dx.doi.org/10.1016/j.quaint.2016.05.021>
10. Joshi A., Tomer S, Lal S., Chopra S., Singh S., Prajapati S., Sharma M.L. and Sandeep (2016). Estimation of the source parameters of the Nepal earthquake from strong motion data, Natural Hazards, 83, 867-883.
11. Joshi, L., Pant, P. D., Kotlia, B. S., Kothyari G. C., Luirei, K., Singh A (2016). Structural overview and morphotectonic evolution of a strike slip fault in the zone of North Almora Thrust, Central Kumaun Himalaya, India. Journal of Geological Research, doi: 10.1155/2016/6980943.
12. Kothyari G.C., Dumka R.K, Singh A.P, Chauhan G, Thakkar M.G and Biswas S.K. (2016). Tectonic Evolution and Stress Pattern of South Wagad Fault at The Kachchh Rift Basin in Western India, *Geological Magazine*, doi: [10.1017/S0016756816000509](https://doi.org/10.1017/S0016756816000509)
13. Kothyari G.C. andLuirei K. (2016) Late Quaternary tectonic landforms and fluvial aggradation in the Saryu River valley: Central Kumaun Himalaya, Geomorphology, 268, 159-176.

14. Kothyari, G. C., Rastogi B. K., Mortheikai, P., Dumka R. K (2016) Landform development in a zone of active Gedi Fault eastern Kachchh rift basin, India, *Tectonophysics*, DOI.org/10.1016/j.tecto.2015.12.027.
15. Kothyari, G. C., Rastogi B. K., Mortheikai, P., Dumka R. K., Kandregula, S. R. (2016) Active segmentation assessment of the tectonically active South Wagad Fault in Kachchh, Western Peninsular India. *Geomorphology*. 253, 491-507.
16. Kothyari G.C., Shukla A.D., and Juyal N. (2016) Reconstruction of Late Quaternary climate and seismicity using fluvial landforms in Pindar River valley, Central Himalaya, Uttarakhand, India, *Quaternary International*, Doi: 10.1016/j.quaint.2016.06.001
17. Kumar G.P., E. Mahender, Y.K. Singh, P. Mahesh, and K. Mohan (2016). Delineation of aquifer layer along Anjar-Rapar Corridor, eastern Kachchh basin, Gujarat using electromagnetic investigations, *J. Ind. Geophys. Union*, 20(2), 201-208.
18. Kumar P., Sri Jayanthi G. and Kumar M.R (2016) Seismic evidence for tearing in the subducting Indian slab beneath the Andaman arc, *Geophysical Research Letters*, doi:10.1002/2016GL068590
19. Kumar V., Kumar D. and Chopra S. (2016). Estimation of source parameters and scaling relations for moderate size earthquakes in North-West Himalaya, *Journal of Asian Earth Sciences* 128, 79-89.
20. K Luirei, SS Bhakuni, GC Kothyari, K Tripathi, PD Pant (2016) Quaternary extensional and compressional tectonics revealed from Quaternary landforms along Kosi River valley, outer Kumaun Lesser Himalaya, Uttarakhand, *International Journal of Earth Sciences*, 105:965–981.
21. Mohanty D.D., Singh A., O'Driscoll L. J., Kumar M.R., Srinagesh D. and Humphreys E. D. (2016) P wave velocity structure below India and Tibet incorporating anisotropic delay time effects, *Geochem. Geophys. Geosyst.*, 17, 725–738.
22. Mahesh, P., and Gupta, S., (2016) The role of crystallised magma and crustal fluids in intraplate seismic activity in Talala region (Saurastra), Western India: An insight from local earthquake tomography, *Tectonophysics*. doi:10.1016/j.tecto.2016.05.025
23. Maurya S., Montagner J. P. Kumar M.R., Stutzmann E., Kiselev S., Burgos G., Rao N.P. Srinagesh D. (2016) Imaging the lithospheric structure beneath the Indian continent, *Journal of Geophysical Research*, Doi: 10.1002/2016JB012948
24. Prajapati S.K., Dadhich H. K. and Chopra S. (2016). Isoseismal map of the 2015 Nepal earthquake and its relationships with ground-motion parameters, distance and magnitude, *Journal of Asian Earth Sciences*, DoI 10.1016/j.jseas.2016.07.013.
25. Prizomwala S.P., A. Das, G. Chauhan, T. Solanki, N. Basavaiah, Nilesh Bhatt, M.G. Thakkar and B. K. Rastogi (2016) Late Pleistocene-Holocene terrace formation and uplift driven valley incision in Eastern Northern Hill Range, Kachchh, Western India. *Journal of Asian Earth Science*. 124, 55-67.
26. Rastogi, B. K. and Sharma, J. (2016) Global Seismic Temporal Pattern and Possible Enhanced Seismicity since 2001, *Journal of Indian Geophysical Union*, 20(3), 316-324.
27. Roy S.K., Kumar M.R., Rao Y.J. B., Sri Jayanthi G., Srinagesh D. (2016) Imprints of diverse mantle deformational episodes in the Cauvery Suture Zone, South India, *Precambrian Research*, 278, 207-217.

28. Saikia S, Chopra S., Baruah S., Singh U.K. (2016). Shallow sedimentary structure of the Brahmaputra valley constraint from receiver functions analysis, Pure and Applied Geophysics, doi: 10.1007/s00024-016-1371-3.
29. Saikia S, Chopra S., Baruah S., Baidya P.R. and Singh U.K. (2016). Crustal imaging of the Northwest Himalaya and its foredeep region from teleseismic events, Geomatics, Natural Hazards and Risk, 7:4, 1265-1286
30. Singh, A.P., Dorbath C., Kumar M. R., Kumar S., Chaudhary I., and Kayal J.R. (2016) Fault geometry of the Mw 7.7 western India intraplate earthquake constrained from double difference tomography and fault plane solutions Bulletin of the Seismological Society America, doi: 10.1785/0120150280
31. Singh, A., Eken T., Mohanty D.D., Saikia D., Singh C.andKumar M.R. (2016) Significant seismic anisotropy beneath southern Tibet inferred from splitting of direct S waves, Phys. Earth Planet. Inter.,250,1-11.
32. Singh, A. P. Zhao, Li, Kumar, S. and Mishra, S. (2016) Inversions for earthquake focal mechanisms and regional stress in the Kachchh Rift Basin, western India: Tectonic implications, Journal of Asian Earth Sciences, 117, 269-283
33. Sushini K., Kumar M.R., Rao B.P. and Sri Jayanthi G. (2016) Shallow surface shear wave velocity beneath the Godavari Rift using P wave seismograms of local earthquakes, J. Ind. Geophys. Union, 20, 11-18.