

Research Publication Details:

No. of Research Papers Published in SCI Journals: 60

No. of Research Papers Published in non-SCI Journals/Special/Conference Proceeding Volumes: 28

No. of Abstract Published in Volumes of International Symposia/Workshop/Seminar/Conference: 20

No. of Abstract Published in Volumes of National Symposia/Workshop/Seminar/Conference: 41

Total Citation (as per Google Scholar): 1210, h-index: 22, i10-index: 42

Total Citation (as per Web of Science): 924, h-index: 19

List of Research Publications:

RESEARCH ARTICLES IN SCI JOURNALS				
SL. NO.	Average Impact Factor: 3.4 (as per 2024 report, https://jcr.clarivate.com/)	I.F.	(Q1-4)	
60.	Seal, A., Sahoo, S., Peresan, A., Khan, P.K. , Jana, N., 2025. Statistical analysis on background seismicity of Southern California region: application of nearest neighbour declustering and network analysis. Journal of Seismology, 29, 485-503.	2.0	Q2	
59.	Kumar, V., Khan, P.K. , Sarkar, R., Pal, S.K., 2024. Seismic hazard assessment of Faizabad region of Uttar Pradesh, India, utilizing deterministic and probabilistic approaches. Journal of Earth System Science, 138, 8.	1.7	Q3	
58.	Gupta, S.V., Parvez, I.A., Khan, P.K. , 2023. Site response analysis beneath the Kashmir basin (NW Himalaya) using ambient noise, Earthquake Spectra, http://doi.org/10.1177/87552930231195640	3.7	Q2	
57.	Gupta, S.V., Parvez, I.A., Khan, P.K. , 2022, Imaging subsurface geological complexity (2D/3D) beneath the Greater Srinagar region of the Kashmir basin, Northwest Himalaya, Near Surface Geophysics, 2022. doi: 10.1002/nsg.12186	1.6	Q3	
56.	Bhukta, K., Paul, A., Khan, P.K. , 2022, SKS and SKKS Splitting Measurements Beneath the NW Himalaya, Pure and Applied Geophysics, 179, 641–661, https://doi.org/10.1007/s00024-021-02935-4 .	1.9	Q2	
55.	Gupta, S.V., Parvez, I.A., Ankit, Khan, P.K. , Chandra, R., 2021, Site Effects Investigation in Srinagar City of Kashmir Basin Using Microtremor and Its Inversion, Journal of Earthquake Engineering, https://doi.org/10.1080/13632469.2020.1816232 .	27	Q2	
54.	Butchibabu, B., Khan, P.K. , Jha, P.C., 2021, Geophysical investigations for stability and safety mitigation of regional crude-oil pipeline near abandoned coal mines, Journal of Geophysics and Engineering, 18, 145–162, https://doi.org/10.1093/jge/gxab003	1.7	Q3	
53.	Shamim, S., Khan, P.K. , Mohanty, S.P., Mohanty, M., 2021, Andaman–Nicobar–Sumatra Margin Revisited: Analysis of the Lithospheric Structure and Deformation Based on Gravity Modeling and Distribution of Seismicity, Surveys in Geophysics, 42, 239–275, https://doi.org/10.1007/s10712-021-09633-9	7.1	Q1	
52.	Khan, P.K. , Mohanty, S.P., Chakraborty, P.P., Singh, R., 2021, Earthquake shocks around Delhi-NCR and the adjoining Himalayan front: A seismotectonic perspective, Frontiers in Earth Science, 9, 598784. https://doi.org/10.3389/feart.2021.598784	2.0	Q3	
51.	Singh, R., Khan, P.K. , 2021, Crustal configuration and seismic stability of the Eastern Indian shield and adjoining regions: Insights for incidents of great earthquakes in the Nepal-Bihar-Sikkim Himalaya, Frontiers in Earth Science 9, 586152. https://doi.org/10.3389/feart.2021.586152	2.0	Q3	

50.	Singh, R., Singh, A.P., Khan, P.K. , Pandep, A.P., 2021, Investigation of shallow structures using ambient seismic noise data recorded at permanent broadband seismic stations in the Eastern Indian Shield and adjoining regions. <i>Environmental Earth Sciences</i> , 80, 129, https://doi.org/10.1007/s12665-021-09385-0 .	2.8	Q3
49.	Khan, P.K. , Bhukta, K., Mandal, P., 2020, Estimation of source parameters of local earthquakes based on inversion of waveform data, <i>Current Science</i> , 119, 1159-1168, https://doi.org/10.18520/cs/v119/i7/1159-1168 .	1.0	Q3
48.	Khan, P.K. , Shamim, Sk, Mohanty, S.P., Aggarwal, S.K., 2020. Change of stress patterns during 2004 MW 9.3 off-Sumatra mega-event: Insights from ridge–trench interaction for plate margin deformation, <i>Geological Journal</i> , 55, 372-389, https://doi.org/10.1002/gj.3419	2.2	Q2
47.	Singh R., Khan, P.K. , Singh A.P., 2020, Earthquake source dynamics and kinematics of the Eastern Indian Shield and adjoining regions, <i>Acta Geophysica</i> , 68, 337-355, https://doi.org/10.1007/s11600-020-00418-z .	2.1	Q2
46.	Singh, R., Sharma, S., Mitra, S., Khan, P.K. , 2019, Mapping of Coda-Wave Attenuation and Its Frequency Dependency Over Eastern Indian Shield, <i>Pure and Applied Geophysics</i> , 176, 5291–5313, doi.org/ 10.1007/ s00024-019-02284-3	1.9	Q2
45.	Biswas, K., Mandal, P., Khan, P.K. , 2019, Estimation of coda Q for the eastern Indian craton, <i>Journal of Earth System Science</i> , 128, 109, https://doi.org/10.1007/s12040-019-1140-7 .	1.7	Q3
44.	Butchibabu, B., Khan, P.K. , Jha, P.C., 2019, Foundation Evaluation of a Repeater Installation Building using Electrical Resistivity Tomography and Seismic Refraction Tomography, <i>Journal of Environmental & Engineering Geophysics</i> , 24, 27–38, https://doi.org/10.2113/JEEG24.1.26 .	0.7	Q4
43.	Shamim, Sk, Khan, P.K. , Mohanty, S.P., 2019, Stress reconstruction and lithosphere dynamics along the Sumatra subduction margin, <i>Journal of Asian Earth Sciences</i> , 170, 174–187, https://doi.org/10.1016/j.jseaes.2018.11.008 .	2.4	Q2
42.	Butchibabua, B., Khan, P.K. , Jha, P.C., 2019, Foundation evaluation of underground metro rail station using geophysical and geotechnical investigations, <i>Engineering Geology</i> , 248, 140-154, https://doi.org/10.1016/j.enggeo.2018.12.001 .	8.4	Q1
41.	Khan, P.K. , Banerjee, J., Shamim, Sk, Mohanty, M., 2018, Long-term seismic observations along Myanmar–Sunda subduction margin: insights for 2004 $M_w > 9.0$ earthquake, <i>International Journal of Earth Sciences</i> , 107, 2383–2392, https://doi.org/10.1007/s00531-018-1603-0 .	2.0	Q3
40.	Bhukta, K., Khan, P.K. , Mandal, P., 2018, Upper mantle anisotropy inferred from shear wave splitting beneath the Eastern Indian Shield region, <i>Geoscience Frontiers</i> , 9, 1911-1920, https://doi.org/10.1016/j.gsf.2017.12.003 .	8.9	Q1
39.	Khan, P.K. , Ansari, A., Singh, D., 2017, Insights into the great Mw 7.9 April 25, 2015 Nepal earthquake, <i>Current Science</i> , 113, 2014-2020.	1.0	Q3
38.	Butchibabu, B., Sandeep, N., Sivaram, Y.V., Jha, P.C., Khan, P.K. , 2017, Bridge pier foundation evaluation using cross-hole seismic tomographic imaging, <i>Journal of Applied Geophysics</i> , 144, 104–114, http://dx.doi.org/10.1016/j.jappgeo.2017.07.008 .	2.1	Q3
37.	Aggarwal, S.K., Pastén, D., Khan, P.K. , 2017, Multifractal analysis of 2001 Mw7.7 Bhuj earthquake sequence in Gujarat, Western India, <i>Physica A</i> , 488, 177–186, http://dx.doi.org/10.1016/j.physa.2017.06.022 .	3.1	Q2
36.	Khan, P.K. , Shamim, Sk, Mohanty, M., Kumar, P, Banerjee, J., 2017, Myanmar-Andaman-Sumatra subduction margin revisited: insights of arc-specific deformations Myanmar-Andaman-Sumatra subduction margin revisited: insights of arc-specific deformations, <i>Journal of Earth Science</i> , 28, 683–694, http://dx.doi.org/10.1007/s12583-017-0752-6 .	4.7	Q1

35.	Yadav, R.K., Roy, P.N.S., Gupta, S.K., Khan, P.K. , Catherine, J.K., Prajapati, S.K., Kumar, A., Puviarasan, N., Bhu, H., Devachandra, M., Malik, J., Kundu, B., Debbarma, C., Gahalaut, V.K., 2017, Rupture model of Mw 7.8 2015 Gorkha, Nepal earthquake: Constraints from GPS measurements of coseismic offsets, <i>Journal of Asian Earth Sciences</i> , 133, 56-61, http://dx.doi.org/10.1016/j.jseaes.2016.04.015	2.4	Q2
34.	Catherine, J.K., Uma Maheshwari, D., Gahalaut, V.K., Roy, P.N.S., Khan, P.K. , Puviarasan, N., 2017, Ionospheric disturbances triggered by the 25 April, 2015 M7.8 Gorkha earthquake, Nepal: Constraints from GPS TEC measurements, <i>Journal of Asian Earth Sciences</i> , 133, 80-88, http://dx.doi.org/10.1016/j.jseaes.2016.07.014 .	2.4	Q2
33.	Khan, P.K. , Mohanty, S.P., Sinha, S., Singh, S., 2016, Occurrences of large-magnitude earthquakes in the Kachchh region, Gujarat, western India: Tectonic implications, <i>Tectonophysics</i> , 679, 102–116, http://dx.doi.org/10.1016/j.tecto.2016.04.044	2.6	Q2
32.	Aggarwal, S.K., Khan, P.K. , Mohanty, S.P., Roumelioti, Z., 2016, Moment tensors, state of stress and their relation to faulting processes in Gujarat, western India, <i>Physics and Chemistry of the Earth</i> , 95, 19-35, http://dx.doi.org/10.1016/j.pce.2016.01.004 .	4.1	Q1
31.	Aggarwal, S.K., Khan, P.K. , 2016, Q_L tomography in Gujarat, Western India, <i>Physics and Chemistry of the Earth</i> , 95, 135-149, http://dx.doi.org/10.1016/j.pce.2015.12.003 .	4.1	Q1
30.	Khan, P.K. , Bhukta, K., Tarafder, G., 2016, Coda Q in Eastern Indian Shield, <i>Acta Geodaetica et Geophysica</i> , 51, 333–346, http://dx.doi.org/10.1007/s40328-015-0129 .	1.8	Q3
29.	Telesca, L., Lovallo, M., Aggarwal, S.K., Khan, P.K. , Rastogi, B.K., 2016, Visibility Graph Analysis of the 2003–2012 Earthquake Sequence in the Kachchh Region of Western India, <i>Pure and Applied Geophysics</i> , 173, 125–132, http://dx.doi.org/10.1007/s00024-015-1034 .	1.9	Q2
28.	Telesca, L., Lovallo, M., Aggarwal, S.K., Khan, P.K. , 2015, Precursory signatures in the visibility graph analysis of seismicity: An application to the Kachchh (Western India) seismicity, <i>Physics and Chemistry of the Earth</i> , 85-86, 195-200, http://dx.doi.org/10.1016/j.pce.2015.02.008 .	4.1	Q1
27.	Aggarwal, S.K., Lovallo, M., Khan, P.K. , Rastogi, B.K., Telesca, L., 2015, Multifractal detrended fluctuation analysis of magnitude series of seismicity of Kachchh region, Western India, <i>Physica A</i> , 426, 56-62, http://dx.doi.org/10.1016/j.physa.2015.01.049 .	3.1	Q2
26.	Hainzl, S., Aggarwal, S.K., Khan, P.K. , Rastogi, B.K., 2015, Monsoon-induced earthquake activity in Talala, Gujarat, India, <i>Geophysical Journal International</i> , 200, 627–637, http://gji.oxfordjournals.org/content/200/1/627 .	2.7	Q2
25.	Sharma, N.K., Khan, P.K. , Bhukta, K.K., 2015, Nature of the Moho in the mid-eastern part of the Chotanagpur Plateau, India, from a receiver function perspective, <i>Arabian Journal of Geosciences</i> , 8, 5669-5675, http://dx.doi.org/10.1007/s12517-014-1648-8 .	1.83	Q3
24.	Ansari, M.A., Khan, P.K. , Tiwari, V.M., Banerjee, J., 2014, Gravity anomalies, flexure, and deformation of the converging Indian lithosphere in Nepal and Sikkim–Darjeeling Himalayas. <i>International Journal of Earth Sciences</i> , 103, 1681–1697, http://dx.doi.org/10.1007/s00531-014-1039-0 .	2.0	Q3
23.	Khan, P.K. , Ansari, M.A., Mohanty, S., 2014, Earthquake source characteristics along the arcuate Himalayan belt: geodynamic implications. <i>Journal of Earth System Science</i> , 123, 1013–1030, http://dx.doi.org/10.1007/s12040-014-0456-6 .	1.7	Q3

22.	Ansari, M.A., Khan, P.K. , 2014, Occurrences of damaging earthquakes between the Himachal and Darjeeling Himalayas: tectonic implications. <i>Acta Geophysica</i> , 62, 699-736, http://dx.doi.org/10.2478/s11600-013-0190-5 .	2.1	Q2
21.	Mandal, H.S., Khan, P. K. and Shukla, A.K., 2014, Soil responses near Delhi ridge and adjacent regions in Greater Delhi during incidence of a local earthquake, <i>Natural Hazards</i> , 70, 93-118, http://dx.doi.org/10.1007/s11069-012-0098-4 .	3.7	Q2
20.	Mandal, H.S., Khan, P.K. and Shukla, A.K., 2013, Shear wave attenuation characteristics over the Central India Tectonic Zone and its surroundings, <i>Journal of Asian Earth Sciences</i> , 73, 440-451, http://dx.doi.org/10.1016/j.jseaes.2013.05.020 .	2.4	Q2
19.	Mandal, H.S., Shukla, A.K., Khan, P.K. and Mishra, O.P., 2013, A new insight into Probabilistic seismic hazard analysis for Central India, <i>Pure and Applied Geophysics</i> , 170, 2139-2161, http://dx.doi.org/10.1007/s00024-013-0666-x .	1.9	Q2
18.	Khan, P. K. , Chakraborty, P.P., Tarafder, G. and Mohanty, S., 2012, Testing the intraplate origin of mega-earthquakes at subduction margins, <i>Geoscience Frontiers</i> , 3, 473–481, http://dx.doi.org/10.1016/j.gsf.2011.11.012 ,	8.9	Q1
17.	Khan, P. K. , Ghosh, M., Chakraborty, P.P. and Mukherjee, D., 2011, Seismic b-value and the assessment of ambient stress in Northeast India, <i>Pure and Applied Geophysics</i> , 168, 1693–1706, http://dx.doi.org/10.1007/s00024-010-0194-x .	1.9	Q2
16.	Khan, P. K. , Mohan, A. and Chowdhury, S., 2012, Pre- and post-seismic activities along the Myanmar-Andaman-Sumatra Subduction Margin: insights for tectonic segmentation, <i>Journal of Indian Geophysical Union</i> , 16, 71-80.	0.2	Q4
15.	Khan, P. K. , 2011, Role of unbalanced slab resistive force in the 2004 off Sumatra mega-earthquake ($M_w > 9.0$) event, <i>International Journal of Earth Sciences</i> , 100, 1749–1758. http://dx.doi.org/10.1007/s00531-010-0576-4 .	2.0	Q3
14.	Kayal, J.R., Srivastava, V.K., Kumar, P., Chatterjee, R. and Khan, P. K. , 2011, Evaluation of crustal and upper mantle structures using receiver function analysis: ISM broadband observatory data, <i>Journal of the Geological Society of India</i> , 78, 76-80, http://dx.doi.org/10.1007/s12594-011-0069-5 .	1.5	Q3
13.	Khan, P. K. , Mohanty, S. and Mohanty, M., 2010, Geodynamic implications for the 8 October 2005 North Pakistan earthquake, <i>Surveys in Geophysics</i> , 31, 85–106, http://dx.doi.org/10.1007/s10712-009-9083-1 .	7.1	Q1
12.	Kayal, J.R., Srivastava, V.K., Bhattacharya, S.N., Khan, P. K. and Chatterjee, R., 2009, Source parameters and focal mechanisms of local earthquakes: single broadband observatory at ISM Dhanbad, <i>Journal of the Geological Society of India</i> , 74, 413-419, http://dx.doi.org/10.1007/s12594-009-0144-3 .	1.5	Q3
11.	Chakraborty, P. P., and Khan, P. K. , 2009, Cenozoic geodynamic evolution of the Andaman Sumatra subduction margin: a current understanding, <i>Island Arc</i> , 18, 184-200, http://dx.doi.org/10.1111/j.1440-1738.2008.00641.x	1.3	Q4
10.	Khan, P. K. , and Chakraborty, P. P., 2009, Bearing of plate geometry and rheology on shallow-focus mega-thrust seismicity with special reference to 26 December 2004 Sumatra event, <i>Journal of Asian Earth Sciences</i> , 34, 480-491, http://dx.doi.org/10.1016/j.jseaes.2008.07.006 .	2.4	Q2
9.	Khan, P. K. , Ghosh, M. and Srivastava, V. K., 2009, Seismic a-value and the spatial stress-level variation in Northeast India, <i>Journal of Indian Geophysical Union</i> , 13, 49-62.	0.2	Q4
8.	Khan, P. K. , and Chakraborty, P. P., 2007, The seismic b value and its correlation with Bouguer gravity anomaly over the Shillong plateau area: a new insight for tectonic implication, <i>Journal of Asian Earth Sciences</i> , 29, 136-147, http://dx.doi.org/10.1016/j.jseaes.2006.02.007 .	2.4	Q2
7.	Khan, P. K. , 2007, Lithospheric deformation under pre- and post-seismic stress fields along the Nicobar-Sumatra subduction margin during 2004 Sumatra mega-event and its tectonic implications, <i>Gondwana Research</i> , 12, 468-475,	8.6	Q1

	http://dx.doi.org/10.1016/j.gr.2006.10.010 .		
6.	Khan, P. K. and Chakraborty, P. P., 2005, Two-phase opening of Andaman Sea: A new seismotectonic insight, Earth and Planetary Science Letters, 229, 259-271, http://dx.doi.org/10.1016/j.epsl.2004.11.010 .	5.1	Q1
5.	Khan, P. K. , 2005, Variation in dip-angle of the Indian plate subducting beneath the Burma plate and its tectonic implications, Geosciences Journal, 9, 227-234, http://dx.doi.org/10.1007/BF02910582 .	1.5	Q4
4.	Khan, P.K. , 2005, Mapping of b-value beneath the Shillong plateau, Gondwana Research, 8, 271-276, http://dx.doi.org/10.1016/S1342-937X(05)71126-6 .	8.6	Q1
3.	Khan, P. K. , 2003, Stress state, seismicity and subduction geometry of the descending lithosphere below the Hindukush and Pamir, Gondwana Research, 6, 867-877, http://dx.doi.org/10.1016/S1342-937X(05)71031-5 .	8.6	Q1
2.	Wason, H. R., Sharma, M. L., Khan, P. K. , Kapoor, K., Nandini, D. and Kara, V., 2002, Analysis of aftershocks of the Chamoli Earthquake of March 29, 1999 using broadband seismic data, Himalayan Geology, 23, 7-18.	0.9	Q3
1.	Wason, H. R., Goel, O. P., Tripathi, H. B., Khan, P. K. , Paul, A., and Kapoor, K., 2002, Analysis of Aftershock Events of the Chamoli Earthquake Recorded by Kumaun Digital Telemetry Seismic Network, Himalayan Geology, 23, 19-23.	0.9	Q3
Total Impact Factor		204.13	

RESEARCH ARTICLES IN NON SCI JOURNALS/SPECIAL VOLUME

9.	Khan, P.K. , Shamim, Sk., 2016, Deformation along the Myanmar-Andaman-Sumatra Plate Margin: Insights for 2004 Mw 9.3 off-Sumatra Mega-event, Journal, Indian Geological Congress, 8, 5-17.
8.	Khan, P. K. , Biswas, B., Samdarshi, P. and Prasad, R., 2011, Seismicity and the Coda-Q Variation in Eastern Indian Shield Region, Indian Journal of Geosciences, 65, 131-138, http://dx.doi.org/10.13140/2.1.3140.4168 .
7.	Khan, P. K. , Mukherjee, G. and Chakraborty, P.P., 2010, Seismotectonic overview of the Burma-Andaman-Sumatra subduction margin preceding the 2004 off Sumatra mega-event, Memoir 75, Journal of the Geological Society of India, 81-95.
6.	Khan, P. K. , Chakraborty, S., Srivastava, V. K. and Prasad, R., 2009, Seismicity, source parameters and scaling relationships for the eastern part of Eastern Indian Shield region, Indian Minerals, 61, 65-74.
5.	Khan, P. K. , 2004, Recent seismicity trend in India and adjoining regions, Journal of the Indian Society of Earthquake Technology, 10 – 14.
4.	Khan, P. K. , 2002, Compiled tectonic map of India and its adjoining regions, Newsletter, Indian Geological Congress, 8, 50-51.
3.	Wason, H. R. and Khan, P. K. , 2001, Seismotectonics of the Garhwal-Kumaun Himalaya region based on local observations and teleseismic data, in O. P. Verma (ed.), Seismicity, Spl. Pub., DST, New Delhi, 2, 75-84.
2.	Chouhan, R. K. S. and Khan, P. K. , 1999, Focal mechanism solution and stress pattern in Hindukush region, in A. K. Jain and R. M. Manickavasagam (eds.), Geodynamics of the NW Himalaya, Memoir, Gondwana Research, 6, 361-367.
1.	Chouhan, R. K. S. and Khan, P. K. , 1997, Seismotectonic study of Killari-an intraplate earthquake, GARC Bull., 5, 1-17.

RESEARCH ARTICLES IN PROCEEDINGS

19.	Gupta, P. and Khan, P.K., 2025. Dynamic analysis of suspension bridge using modal and response spectruc method. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 109-116.
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18. Rajender, L. and Khan, P.K., 2025. Seismotectonic modelling of Turkey and adjoining regions. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 154-163.
17. Rathod, V.U. and Khan, P.K., 2025. AI-Driven earthquake forecasting for Java, Indonesia. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 203-210.
16. Karthik, N. and Khan, P.K., 2025. Seismotectonic analysis of the Eastern Mediterranean, Aegean, and Anatolian region. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 211.
15. Prajapati, A.K. and Khan, P.K., 2025. Earthquake early warning (EEW) systems. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 212.
14. Islam, M. and Khan, P.K., 2025. Settlement analysis of foundation using finite element modelling in ANSYS workbench under axial loading. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 213-218.
13. Gupta, P. and Khan, P.K., 2025. Static structural analysis of truss bridges using finite element method. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 218-226.
12. Gautham, M. and Khan, P.K., 2025. Seismic b-value and ambient stress field beneath the Hindukush-Pamir region. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 301-302.
11. Vishvakarma, M., Himanshu, V.K. and Khan, P.K., 2025. Assessment of structural responses of underground blasting, opencast blasting and railway induced vibrations. In: P.K. Khan, S. Sahoo, U.K. Borah, N. Jana, G. Yellalacheruvu (Eds.), Strong Motion Earthquake: Structural Response Modelling and Aided Designing, KP Kolkata Press Books, India, PP. 310-318.
10. Sinha, S., **Khan, P. K.** and Mohanty, S.P. 2013, Incidences of moderate to large intraplate earthquakes in Peninsular India with special reference to 2001 Mw 7.3 Bhuj event, in proceedings of the National Conference on Recent Advances in Mathematics and its Applications, Indian School of Mines, Dhanbad, India, 255-271.
9. Ansari, A. and **Khan, P. K.** 2013, Geodynamics for the occurrences of moderate magnitude earthquakes along the arcuate belt of the Himalaya, in proceedings of the National Conference on Recent Advances in Mathematics and its Applications, Indian School of Mines, Dhanbad, India, 272-289.
8. Tarafder, G., **Khan, P. K.** and Prasad, R., 2013, Estimation of corner frequencies and source parameters of local earthquakes in Eastern Indian Shield and adjoining regions, in proceedings of the National Conference on Recent Advances in Mathematics and its Applications, Indian School of Mines, Dhanbad, India, 321-333.
7. Mandal, H. S., **Khan, P. K.** and Shukla, A. K., 2013, Deterministic Seismic Hazard Assessment along the SONATA zone and its surrounding regions, in proceedings of the National Conference on Recent Advances in Mathematics and its Applications, Indian School of Mines, Dhanbad, India, 296-313.
6. **Khan, P. K.**, 2012, Mega-earthquakes ($M_w \geq 9.0$) along plate boundaries: a simple geodynamic insight, in Proceedings of the ISET Golden

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