Curriculum Vitae

NAME	:	MALIK JAVED NOORMOHAMED
MAILING ADDRESS	:	Department of Civil Engineering, Indian Institute of Technology, Kanpur 208 016. INDIA Ph: +91-512-2597723 (O); +91-512-2598534 (R). Fax: +91-512-2597395. Email: javed@iitk.ac.in
NATIONALITY	:	INDIAN
DATE AND PLACE OF BIRTH	:	24TH November 1968, CAMBAY, GUJARAT. INDIA
SEX	:	Male
MARITAL STATUS	:	Married, 2 children
Research Area	**:**	**Paleoseismology, Tsunami deposits, Geomorphology and Sedimentology**

Present Occupation

Associate Professor (since 2007) at Geosciences, Department of Civil Engineering, Indian Institute of Technology Kanpur, Kanpur – 208 016. INDIA

Educational Qualification

DEGREE	INSTITUTE/BOARD/ UNIVERSITY	MONTH AND YEAR OF PASSING	GRADE
B. Sc. (Geology)	Department of Geology, Faculty of Science, Maharaja Sayajirao University of Baroda, VADODARA- 390 002. GUJARAT	April 1989	**Ist**
M. Sc. (Geology)	Department of Geology, Faculty of Science, Maharaja Sayajirao University of Baroda, VADODARA- 390 002. GUJARAT	July 1991	**Ist**
Ph. D.* (Geology)	Department of Geology, Faculty of Science, Maharaja Sayajirao University of Baroda, VADODARA- 390 002. GUJARAT	1998	---

***Ph.D. Studies:** Title: *Late Quaternary depositional history of Mahi river basin, Gujarat, with special reference to Neotectonism and Palaeoclimates.*

Work Experience

1. **Project Assistant** (June 1992 to Feb 1995) in DST funded research project ***"Stratigraphic and Palaeoclimatic Studies on the arid and semi-arid basins of western India"*** at the Department of Geology, M. S. University of Baroda.
2. **Research Associate** (June 1996 to October 1999) in DST funded research project ***"Neotectonic and Palaeoseismicity of Kachchh and its adjoining areas"*** at the Department of Geology, M. S. University of Baroda.
3. **JSPS-Post Doctoral Fellow (**November 1999 to October 2001) Scholarship awarded by Japan Society for Promotion of Science, Tokyo. Research project ***"A comparative studies on active faults of India and Japan"*** at Department of Geography, Hiroshima University, Higashi-Hiroshima, Japan.
4. **Assistant Professor (**November 2001 to December 2007) at Department of Civil Engg. Indian Institute of Technology, Kanpur 208 016. INDIA
5. **Associate Professor (**from December 2007) at Department of Civil Engg. Indian Institute of

Technology, Kanpur 208 016. INDIA

Awards

- Awarded **Young Scientist Research Project** entitled "*Neotectonic and Palaeoseismicity of Northern Kachchh and south-western Rajasthan: Their impact on the landscape and disruption of the ancient rivers*", sponsored by Department of Science and Technology, Govt. of India, New Delhi.
- Awarded **JSPS (Japan Society For the Promotion of Science) Post-Doctoral Fellowship,** Japanese Govt. (letter No. JSPS/FF1/98077; ID No. P 99074) for a period of 24 months from 1999-2001 to carry out "*A comparative study of active faults in India and Japan*", in Japan at Department of Geography, Hiroshima University, Higashi-Hiroshima 739-8522, JAPAN
- Awarded **Young Scientist Research Project** entitled "*Active faults along Northwestern Himalayan foothill zone: Implication to the Great Himalayan Earthquakes*", sponsored by Department of Science and Technology, Govt. of India, New Delhi.
- Awarded **BOYSCAST Fellowship 2003-2004** (3 months) to work with Prof. Mustapha Meghraoui and Dr. Jerome Van der Woerd, at Institut De Physique Du Globe De Strausbourg, France.
- Awarded **YOUNG MUSLIM SCIENTIST AWARD (YMSA)-2002** in Physical Sciences by Muslim Association for Advancement of Science (MAAS).
- Awarded **S. S. MERH Award 2004** for significant contribution in Quaternary Geology of India by Geological Society of India, Bangalore, India.
- JSPS (Japan Society For the Promotion of Science) SHORT TERM FELLOWSHIP – VISITING RESEARCHER at Earthquake Research Institute (ERI), University of Tokyo, for 02-months June-July, 2013. To work with Prof. Kenji Satake on Comparison between 2004 Sumatra-Andaman Tsunami of Indian Ocean and 2011 Tohuko Tsunami of Japan.
- POST DOCTORAL FELLOWSHIP – VISITING RESEARCHER at Earthquake Research Institute (ERI), University of Tokyo, for June, 2012.
- POST DOCTORAL FELLOWSHIP – VISITING RESEARCHER at Earthquake Research Institute (ERI), University of Tokyo, June-July, 2009.

Professional Membership

- Fellow of Geological Society of India, Bangalore. INDIA. (Life Time)
- Indian Society of Earthquake Technology, Roorkee, INDIA.
- American Geophysical Union (AGU)
- AOGS (Asia Oceania Geosciences Society)

International and National Collaboration

- Active tectonic and Paleoseismic investigations along Ganga-Bengal right lateral strike-slip fault, West Bengal, Eastern Himalaya and along NW Himalayan front: with **Prof. Nakata and his associates, Department of Geography, Hiroshima University, Higashi-Hiroshima 739-8522, JAPAN**
- Active tectonic and Paleoseismic investigation along NW Himalaya: with **Prof. Mustapha Meghraoui and Dr. Jerome Van der Woerd, EOST, Institut De Physique Du Globe De Strausbourg, France.**
- Dating of tectonically controlled Quaternary surfaces along active faults along NW Himalayan front by using OSL and TL dating technique: with **Prof. A. K. Singhvi, Physical Research Laboratory, Navarangpura, Ahmedabad. INDIA.**
- Paleoseismic investigations along NW Himalayan front: with **Dr. Virdi and Dr. G. Phillip, Wadia Institute of Himalayan Geology, Dehra Dun. INDIA.**
- Paleoseismic investigation along NW Himalayan front: with **Dr. G. Mathew, Department of Geology, Indian Institute of Technology Mumbai, Powai. INDIA.**
- Joint field investigations in the region of 1960 Chile M 9.5 earthquake with **Prof. Brian Atwater, U.S. Geological Survey at Department of Earth and Space Sciences, University of Washington, Seattle, WA 98195 and Prof. Marco Cisternas, Catholic University of Valparaiso, Chile, South America** in February 2005. With an aim to understand the recurrence and probability of giant earthquakes and related tsunamis in south-central Chile.
- Joint field investigations in Andaman and Nicobar Island with **Profs. Ikeda, Satake, Kayanne and**

associates at Earthquake Research Institute and Department of Earth and Planetary Science, University of Tokyo, and with Geological Survey of Japan, Tskuba.

- **Ground Penetrating Radar (GPR) mapping** to identify archaeological remains, **collaboration with Archaeological Survey of India (ASI).**

List of Research Publications

International *(published and in press)*

1) Jishnu, R. B., Naik. S. P., Patra, N. R, **Malik J. N.** (2013). Ground Response Analysis of Kanpur soil along Indo-Gangetic Plain. Soil Dynamics and Earthquake Engineering. 51:47–57.
2) Naik S. P., Patra N. R., **Malik J. N.** (2013). Spatial Distribution of Shear Wave Velocity for Late Quaternary Alluvial Soil of Kanpur City, Northern India.
3) **Malik, J. N.,** Kumar, A., Satuluri, S., Bishuddha kshya, P., Mohanty, A. Ground Penetrating Radar (GPR) investigations along Hajipur Fault - Himalayan1 Frontal Thrust: Attempt to identify near sub-surface displacement, N W Himalaya, India. *International Journal of Geophysics, Accepted*.
4) **Malik, J. N.,** Shishikura, M., Echigo, T., Ikeda, Y., Satake, K., Kayanne, Swai, Y., Murty, C. V. R., and Dikshit, O. Geologic evidence for two pre-2004 earthquakes during recent centuries near Port Blair, South Andaman Island, India. *Geology*, v. 39(6); 559-562, GSA, USA. doi:10.1130/G31707.1.
5) **Malik, J. N.,** Sahoo, A. K., Shah, A., Shinde, D. P., Juyal, N., Singhvi, A. K. (2010). Paleoseismic evidence from trench investigation along Hajipur fault, Himalayan Frontal Thrust, NW Himalaya: Implications of the faulting pattern on landscape evolution and seismic hazard. *Journal of Structural Geology,* 32:350-361, doi:10.1016/j.jsg.2010.01.005.
6) **Malik, J. N.,** Shah, A., Sahoo, A. K., Puhan, B., Banerjee, C., Shinde, D. P., Juyal, N., Singhvi, A. K., Rath, S. K. (2010). Active fault, fault growth and segment linkage along the Janauri anticline (frontal foreland fold), NW Himalaya, India. *Tectonophysics,* 483: 327-343, doi:10.1016/j.tecto.2009.10.028.
7) Kothyari, G. Ch., Pant, P. D., Joshi, Maulishree, Luire, K., and Malik, J. N. (2010). Active faulting and deformation of Quaternary landforms sub-Himalayan, India. *Geochronometria*, 37: 63-71. Institute of Physics, Silesian University of Technology. doi: 10.2478/v10003-010-0015-3
8) Morino, M., **Malik, J. N.,** Gadhavi, M. S., Ansari, K., Mishra, P., Bhuiyan, C., and Kaneko, F. (2008). Active Low-Angle Reverse Fault and Wide Quaternary Deformation Identified in Jhura Trench across Kachchh Mainland Fault, Kachchh, Gujarat, India. *Journal of Active Fault Research, Japan*, 29: 71-79.
9) Murty, C. V. R., and **Malik, J. N.** (2008). Challenges of Low-to-Moderate Seismicity in India. In special Issue: Earthquake Engineering in the low and moderate seismic regions of Southeast Asia and Australia (2008). EJSE, 64-78.
10) Kayanne, H., Ikeda, Y., Echigo, T., Shishikura, M., Kamataki, T., Satake, K., **Malik, J. N.**, Shaikh, B. R., Chakrabortty, G. K., and Ghosh Roy, A. K. (2007). Coseismic and postseismic creep in the Andaman Islands associated with the 2004 Sumatra-Andaman earthquake. *Geophysical Research Letter*, Vol. 34, L01310, doi:10.1029/2006GL028200.
11) **Malik, J. N.** and Mohanty, C. (2007) Active tectonic influence on the evolution of drainage and landscape: Geomorphic signatures from frontal and hinterland areas along Northwestern Himalaya, India. *Journal of Asian Earth Sciences,* 29(5-6): 604-618.
12) **Malik, J. N.,** Murty, C. V. R., and Rai, D. (2006). Landscape Changes in the Andaman and Nicobar Islands (India) after the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami. *Earthquake Spectra, EERI*, 22(S3):S43–S66.
13) Cisternas, M., Atwater, B. F,. Torrejo´n, F., Sawai, Y., Machuca, G., Lagos, M., Eipert, A., Youlton, C., Salgado, I., Kamataki, T., Shishikura, M., Rajendran, C. P., **Malik, J. N.,** Rizal, Y., and Husni, M. (2005). Predecessors of the giant 1960 Chile earthquake. *Nature. Vol 437-doi:10.1038/nature03943.* 404-407.
14) **Malik, J. N.,** and Nakata, T. (2003). Active faults and related Late Quaternary deformation along the northwestern Himalayan Frontal Zone, India. *Annals of Geophysics.* 46(5), 917-936.
15) **Malik, J. N.,** Nakata, T., Sato, H., Imaizumi, T., Yoshioka, T., Philip, G., Mahajan, A. K., and Karanth, R. V. (2001). January 26, 2001, The Republic Day (Bhuj) earthquake of Kachchh and active faults, Gujarat, Western India. *Journal of Active Fault Research, Japan.* 20: 112-126.
16) Nakata, T., Yoshioka, T., Sato, H., Imaizumi, T., **Malik, J. N.,** Philip, G., Mahajan, A. K., and Karanth, R. V. (2001). Extensive surface deformation around Budharmora associated with the January 26, 2001, The Republic Day (Bhuj) earthquake of India. *Journal of Active Fault Research, Japan.* 20: 127-136.
17) Sato, T., Hamada, M., Hayasi, Y., Hisada, Y., Kato, T., Katta, V., Lakhina, G. S., **Malik, J. N.,** Miyashita, K., Mori, J. J., Murakami, H., Nakata, T., Negishi, H., Paul, D. K., Sato, H., Sawada, S., Singh, R. P.,

Yoshioka, T. (2001). A Comprehensive Survey of the 26 January 2001 Earthquake (Mw 7.7) in the state of Gujarat, India. Research report on Natural Disasters, December 2001. pp. 117.

18) **Malik, J. N.,** Sohoni, P. S., Merh, S. S. and Karanth, R. V. (2001). Active Tectonic control on Alluvial fan Architecture along the Kachchh Mainland Hill Range, Western India. *Zeithschrift für Geomorphologie.* 45(1): 81-100.
19) **Malik, J. N.,** Sohoni, P. S., Merh, S. S. and Karanth, R. V. (2000). Palaeoseismology and neotectonism of Kachchh, Western India. *In: Active Fault Research for the New Millennium. Proceedings of the Hokudan International Symposium and School on Active Faulting, Japan.* Eds. K. Okumura, K. Takada, H. Goto. 251-259.
20) Khadkikar, A. S., Mathew, G., **Malik, J. N.,** Gundu Rao, T. K., Chowgaokar, M., Merh S. S. (1999). The influence of the southwest Indian monsoon on continental deposition over the past 130 ka, Gujarat, Western India. *Terra Nova* 11: 273-277.
21) **Malik, J. N.,** and Khadkikar, A.S. (1996). Palaeoflood analysis of channel fill deposits, Central Tapi river basin, India. *Zeithschrift für Geomorphologie.,* 106: 99-106.
22) Khadkikar, A. S., Merh, S. S., **Malik, J. N.,** and Chamyal, L. S. (1998). Calcretes in semi-arid alluvial systems: Formative pathways and sinks. *Sedimentary Geology,* 116: 251-260.
23) Chamyal, L. S., Khadkikar, A.S., **Malik, J. N.,** and Maurya, D. M. (1997) Sedimentology of the Narmada alluvial fan, Western India. *Sedimentary Geology*, 107: 263-279.

National *(published and in press)*

1) Malik, J. N., Shah, A. A., Naik, S. P., Sahoo, S, Okumura, K., and Patra, N. R.., 2031. Active fault study along foothill zone of Kumaun Sub Himalya: influence on landscape shaping and drainage evolution. Current Sciences, In special issue on Himalayas, pp. 229-236.
2) **Malik, J. N.,** Satuluri S., Kumar A., Ansari K., Dikshit O., Vikram B., Prabhakar, V. N., and Rai G. K. (2009). Preliminary report on Ground Penetrating Radar (GPR) investigations conducted at Ahichchhatra site, Indo-Gangetic Plain. In press: Journal of Interdisciplinary Studies in History and Archaeology (JISHA)
3) **Malik, J. N.,** Nakata, T., Philip, G., Suresh, N. and Virdi, N. S. (2008). Active fault and paleoseismic investigation: evidence of historic earthquake along Chandigarh Fault in the frontal Himalayan zone, NW India. Journal of Himalayan Geology, 29(2): 109-117.
4) Morino, M., **Malik, J. N.,** Mishra, P., Bhuiyan, C., and Kaneko, F. (2008). Active fault traces along Bhuj Fault and Katrol Hill Fault, and trenching survey at Wandhay, Kachchh, Gujarat, India. Journal of Earth System Sciences, 117(3):181–188
5) **Malik, J. N.,** Morino, M., Mishra, P., Bhuiyan, C., and Kaneko, F. (2008). First active fault exposure identified along Kachchh Mainland Fault: Evidence from trench excavation near Lodai village, Gujarat, Western India. Journal Geological Society of India, 71:201-208.
6) **Malik, J. N.,** Sahoo, A. K., and Shah, A. A. (2007). Ground Penetrating Radar investigation along Pinjore Garden Fault: Implication toward identification of shallow sub-surface deformation along active fault, NW Himalaya. Current Science, 93(10): 1422-1427.
7) Dashora, A., Lohani, B., **Malik, J. N.** (2007). A repository of earth resource information - CORONA satellite program: A review, Current Science, 92(7): 926-932.
8) **Malik, J. N.,** Sahoo, A. K., Shah, A. A., Rawat, A., and Chaturvedi, A. (2007). Farthest recorded liquefaction around Jammu caused by October 8, 2005 Muzaffarabad earthquake of Mw 7.6. Journal of Geological Society of India, 69: 39-41.
9) **Malik, J. N.,** and Murty, C. V. R. (2005). Landscape Changes in Andaman & Nicobar Islands (India) due to Mw9.3 Tsunamigenic Sumatra Earthquake of 26 December 2004. Current Science, 88(9): 1385-1386.
10) **Malik, J. N.,** and Mathew, G. (2005). Evidence of Paleoearthquakes from trench investigations across Pinjore Garden fault in Pinjore Dun, NW Himalaya. Journal of Earth System Science, 114(4): 387-400**.**
11) Jain, S. K., Murty, C. V. R., Rai, D. C., **Malik, J. N.,** Sheth, A., Jaiswal, A. (2005). Effects of M 9 Sumatra earthquake and tsunami of 26 December 2004. Current Science. 88(3): 357-359.
12) Jain Sudhir K., Kaushik Hemant, Murty C.V.R., **Malik Javed N.,** Das Suresh R., Rai, Durgesh C., Mondal, Sheth Alpa, Gandhi Prathibha, Jaiswal Arvind, Sanyal Snighdha, Sodhi J.S., and Kumar Santhosh. (2005). Recent tsunami and earthquake devastation. Preliminary Report In: The Indian Concrete Journal. 11-14.
13) Mohanty, C., Baral, D. J. and **Malik, J. N.** (2004). Use of satellite data for tectonic interpretation, NW Himalaya. Journal of the Indian Society of Remote Sensing. 32(3): 241-247.
14) **Malik, J. N.,** Nakata, T., Philip, G., and Virdi, N. S (2003). Preliminary observations from trench near

Chandigarh, NW Himalaya and their bearing on active faulting. Current Science. 85(12): 1793-1799.

15) **Malik, J. N.,** Sohoni, P. S., Karanth, R. V. and Merh, S. S. (1999). Modern and Historic seismicity of Kachchh Peninsula, Western India. Journal Geological Society of India 54: 545-550.
16) **Malik, J. N.,** Merh, S. S., and Sridhar, V. (1999) Paleo-delta complex of Vedic Sarasvati and other ancient rivers of Northwestern India. Memoir Geological Society of India. 42: 163-174
17) **Malik, J. N.,** Khadkikar, A. S., and Merh, S. S. (1999). Allogenic control on late Quaternary continental sedimentation in the Mahi Basin, Western India. Journal Geological Society of India. 53: 299-314
18) Sohoni, P. S., and **Malik, J. N.** (1998). Remnants of large magnitude earthquakes: Evidences from the Great Rann sediments, Kachchh, Western India. *Current Science.* 74(11): 985-989.
19) Sohoni, P. S., **Malik, J. N.,** Merh, S. S., and Karanth, R. V. (1999). Active tectonics astride Katrol Hill Zone, Kachchh, W. India. *Journal Geological Society of India.* 53: 579-586.
20) Sridhar, V., Merh, S. S., and **Malik, J.N.** (1999). Late Quaternary drainage disruption in Northwestern India : A Geoarchaeological enigma. *Memoir Geological Society of India*.42: 187-204
21) Maurya, D. M., **Malik, J. N.,** Rachna R. and Chamyal, L. S. (1997). Soft sediment deformation in the Quaternary sediments of the lower Mahi river basin, Western India. *Current Science,* 72(7): 519-522.
22) Maurya, D. M., **Malik, J. N.,** Rachna, R. and Chamyal, L.S. (1997). The Holocene valley fill terraces in the lower Mahi valley, Gujarat. *Current Science*, 73: 539-542.
23) Khadkikar, A. S., Chamyal, L. S., **Malik, J. N.**, Maurya, D. M., and Merh, S. S. (1996). Arid humid cycles in Mainland Gujarat over past 300 ka: Evidence from the Mahi river basin, India. *Journal Geological Society of India*. 47(3): 383-388.
24) **Malik, J. N.** (1995). The Quaternary sedimentation and Neotectonism in Lower Tapi valley. *Man and Environment*. 20(2): 1-9.

Under review/in preparation

1) **Malik, J. N.,** Shah, A. A. and Lohani, B. Influence of active fault on the evolution of landscape and drainage: Evidence from lateral propagation of a branching out fault along Himalayan front and deflection of Dabka River, Kumaun Himalaya, under preparation.

Unpublished papers/Handbook

1) Merh, S. S. and **Malik, J. N.** (1997). Terrain characteristics of the Kachchh region, Western India. A working handbook. p. 47. [Book review appeared in *Journal Geological Society of India,* vol. 49, p. 234]

Abstracts: National and International Conferences/symposium/meetings

1) **Malik, J. N.,** Morino, M., Gadhavi, M. S., Ansari, K., Banerjee, C., Rastogi, B. S., Kaneko, F., Bhattacharjee, F., and Singhvi, A. K. (2011). Earthquake Geology and Related Hazard in Kachchh, Gujarat, Western India. 2nd INQUA-IGCP-567 *International Workshop on Active Tectonics, Earthquake Geology, Archaeology and Engineering, Corinth, Greece from 19-24 September, 2011.*
2) **Malik, J. N.,** Khan, A., Banerjee, C., Shishikura, M., Hussain, S. M., Shah, A. A., Dikshit, O. (2011). Paleo-tsunami and Paleoseismic signatures from the west coast of South Andaman, A &N Island, India. At 18th INQUA congress meeting, held at Bern, Switzerland from 21-27 July, 2011.
3) **Malik, J. N.,** Banerjee, C., Shishikura, M., Hussain, S. M., Shah, A. A., Dikshit, O. (2010). Evidence of Tsunami Deposits and Land-level Change from the West Coast of South Andaman, Andman Nicobar Island, India. *7th AOGS annual meeting at Hyderabad, India, 5-9 July, 2010.*
4) Kayanne, H., **Malik, J. N.,** Echigo, T., Shishikura, M., Ikeda, Y., Satake, K. (2010). Past Giant Earthquakes Reconstructed from Fossil Microatolls in the Andaman Islands. *7th AOGS annual meeting at Hyderabad, India, 5-9 July, 2010.*
5) Shishikura, M., **Malik, J. N.,** Echigo, T., Ikeda, Y., Satake, K., Kayanne, H. (2010). Uplift Events unlike the source of the 2004 Sumatra-Andaman Earthquake, deduced from Holocene Marine Terraces in the Neil Island, Andaman Islands. *7th AOGS annual meeting at Hyderabad, India, 5-9 July, 2010.*
6) Hussain, S. M., **Malik, J. N.,** Banerjee, C., Jehan, N., Dikshit, O., Elumalai, K., and Elakkiya, P. (2010). Identification of Paleotsunami Deposits Based on the Distribution of Ostracoda and Foraminifera Assemblages from Trench/geo-slicers Sections Collected Along the Collinpur Mud Flats, Southandaman Island, A&N Islands. *7th AOGS annual meeting at Hyderabad, India, 5-9 July, 2010.*
7) **Malik, J. N.,** Satuluri S., Kumar A., Dikshit O., Vikram B., and Rai G. K., (2009). Preliminary results on Ground Penetrating Radar survey conducted at Kausambi for identifying ancient buried structures. Presented at: Joint annual conference on "*Some Issues in Indian Archaeology" held during 15-16 November, 2009 at University of Allahbad.*
8) **Malik, J. N.,** Gadhavi, M. S., Ansari, K., and Dikshit, O. (2008). Paleo-earthquake evidence from archaeological site in mesoseismal zone of 1819 Allah Bund event, Great Rann of Kachchh, Gujarat, Western India.

Abstract presented at *ESC2008 – IGCP567 Meeting, Hersonissos, Crete, Greece, 7-12 September 2008. Special session on Methods to parameterize archaeoseismological events and case studies*.

9) Dikshit, O., Malik, J. N., Dhande, S. G., Chatterjee, A., Rai, G. K., Mani B. K. Fonia, R. S., and Prabhakar, V. N. (2008). Abstract presented at *ESC2008 – IGCP567 Meeting, Hersonissos, Crete, Greece, 7-12 September 2008. Special session on Methods to parameterize archaeoseismological events and case studies.*
10) **Malik, J. N.,** Shishikura, M., Echigo, T., Ikeda, Y., Satake, K., Kayanne, H., Basir, S. R., Chakrabortty, G. K. (2008). Paleoseismological evidence of subsidence and uplift from sedimentary record from area around Port Blair Andaman Islands. *5th AOGS annual meeting at Busan, South Korea, 16-20 June 2008.*
11) **Malik, J. N.,** Morino, M., Mishra, P., and Bhuiyan, C. (2007). New Active Fault in and around Bhuj Town, Kachchh, Gujarat, India. *4th AOGS annual meeting at Bangkok, Thailand, 30 July to 4 August 2007.*
12) Satake, K, Y Okamura, M Shishikura, T Aung, H Kayanne, Y Ikeda, T Echigo, **J N Malik**, S Basir, G Chakrabortty, W Swe, T Swe, S Tun, H Saw (2006), Search for Evidence of Past Earthquakes Similar to the 2004 Event: Paleoseismological Surveys in Andaman Islands and Rakhine Coast, *Eos Trans. AGU, 87*(52), *Fall Meet. Suppl., Abstract U52A-06.*
13) **Malik, J. N.** (2006). Active fault influence on the evolution of drainage and landscape: Evidence from frontal areas along Northwestern Himalaya, India. *3rd AOGS annual meeting at Singapore, July 2006. p. 950/1202.*
14) **Malik, J. N.** (2006). Probable occurrence of Paleo-tsunami deposit: Evidence from preliminary trench investigations around Port Blair, South Andaman, India. *3rd AOGS annual meeting at Singapore, July 2006, p. 932/1202*
15) Shishikur, M., Satake, K., Ikeda, Y., Kayanne, H., Echigo, T., Kamataki, T., and **Malik J. N.** (2006). Transient Uplift since the 2004 Sumatra-Andaman Earthquake and Deformation Cycle in the Andaman Islands. *3rd AOGS annual meeting at Singapore, July 2006, p. 925/1202.*
16) **Malik, J. N.,** and Murty, C. V. R. (2006). Coseismic Land-level changes caused by 26 December, 2004 Sumatra earthquake and evidence of paleotsunami deposits (?) in Andaman and Nicobar Islands, India. *100th Anniversary 1906 San Francisco Earthquake conference at San Francisco, April, 2006.*
17) **Malik, J. N.,** and Murty, C. V. R. (2005). Coseismic Land-level changes caused by 26 December, 2004 Sumatra earthquake and evidence of paleo-tsunami deposits in Andaman and Nicobar Islands, India. *Seminar/Workshop: "Memorial conference on the 2004 Giant Earthquake and Tsunami in Indian Ocean", at ERI, University of Tokyo, Japan, December 2005.*
18) **Malik, J. N.,** and Murty, C. V. R. (2005). Signatures of Land-level Changes in Andaman & Nicobar Islands (India) due to M 9.3 Sumatra Earthquake of 26 December 2004. *2nd AOGS annual meeting at Singapore, July 2005, p. 303/1428.*
19) **Malik, J. N.** Active tectonic and Paleoseismic investigation around northwestern Himalayan foothill zone, India. *1st AOGS annual meeting at Singapore, June 2004.*
20) **Malik, J. N.** and Nakata, T. (2002). *Active fault and Late Quaternary deformation around Chandigarh and Pinjore Dun, NW Himalaya, India.* In abstract volume of *International Conference on Quaternary Climate, Tectonics and Environment of Himalaya: Comparison with other regions to be held in March 2002, Nainital India. 115-117.*
21) **Malik, J. N.** and Nakata, T. (2001). Active faults and related Late Quaternary deformation along the northwestern Himalayan Frontal Zone, India. *In abstract volume of International Lithoshpere Program ILP-Conference held at Kaikoura, New Zealand*. 81-84.
22) Gundu Rao, T. K., Mathew, G. **Malik, J. N.** (1999). ESR dating of quartz from Quaternary sediments succession of tectonogenic landforms, Kachchh, Western India, *9th International Conference on Luminescence and Electron Spin Resonance dating (LED), Rome, Italy***.**
23) **Malik, J. N.** (1995). The Quaternary sediment characteristics in the lower Tapti basin, Gujarat. *11th Conv. Ind. Assoc. Sediment., University of Roorkee*. pp. 5.
24) **Malik, J. N.** and Khadikikar, A. S. (1995). Palaeoflood induced avulsions: An example from the Quaternary succession of the Central Tapti river basin. *National Seminar on Neogen and Quaternary Sediments India, Center of Advance Geology, Panjab University, Chandigarh*. pp. 45.

RESEARCH PROJECTS
Project completed and ongoing:

Period	Sponsoring Organisation	Title of Project	Amount of Grant (Rupee in Lakhs)	Co-Investigators
Oct. 2010-Oct. 2015	JICA-JST, Japan	Paleoseismic & GPS studies for active fault mapping and slip rate estimation in NW-Central Himalaya,india	403.8	Prof. Onkar Dikshit
Oct. 2010-Oct. 2013	DST, New Delhi	Active tectonic influence on landscape evolution around northern fringe of Janauri anticline along Himalayan frontal zone, NW Himalaya	19.7	Prof. Onkar Dikshit
Feb. 2009-Feb. 2012	DST, New Delhi	Study of liquefaction potential alluvial soil along Indo-Gangetic Plains	28.3	Prof. Nihar R. Patra
Feb. 2008-Sept. 2011	INCOIS, Hyderabad (MoES)	Active Tectonic investigations around South-Middle Andaman and Car Nicobar Islands, A&N Islands	35.8	Prof. Onkar Dikshit
June 2008-June 2009	DST, New Delhi (INOD-JAPAN Collaborative project)	Paleoseismological investigations in Andaman Islands (A&N islands) India. Sponsored by Department of Science and Technology, New Delhi.	9.0	Prof. C. V. R. Murty
Feb. 2005 – Feb. 2008	DST, New Delhi	Active tectonic investigation along northwestern Himalayan foothill zone	47.0	No

March 2004 – Sept. 2007	MHRD, New Delhi	DSM generation using high altitude satellite photos for identification and mapping of active tectonic landforms related to paleo-earthquake in Kumaon Himalaya	15.0	Dr. B. Lohani, Department of Civil Engineering, IIT Kanpur
Sept. 2002 – Sept. 2006	DST, New Delhi (Fast Track Young Scientist)	Active faults along northwestern Himalayan foothill zone: Implications to the great Himalayan earthquakes	4.0	No

Consultancy projects:

Period	**Organisation**	**Nature of Work**	**Amount of Grant (Rupee in Lakhs)**	**Co-Investigators**
May 2011-July 2011	Hindu Religious & Charitable Endowments Department of the Govt. of Tamil Nadu	GPR investigations at Rajagopuram Temple Srirangam, Tiruchirapalli	3.3	No
Aug. 2010-Aug. 2011	L&T-Gulf, New Delhi	Seismic studies on seismic activities for Salaya Bhogat pipeline at Bhogat, Gujarat	12.13	Prof. S. K. Jain
July 2010-June 2011	Trans-technologies Ltd. New Delhi	GPR survey at IIT Delhi	1.9	No
April 2010-April 2011	L&T-Gulf, New Delhi	Seismic studies on Bhagyam Field	8.27	Profs. S. K. Jain; Durgesh Rai
Feb. 2009-Feb. 2011	Archaeological Survey of India, New Delhi	GPR survey at Ahichhatra	16.58	Prof. Onkar Dikshit
Sept. 2009-Aug. 2011	GSDMA, Gandhinagar, Gujarat	Active fault mapping along south Wagad and Gedi fault in eastern part of Kachchh, Gujarat	37.5	No
Jan. 2009-Jan. 2010	L&TG	Active fault Survey along Island Belt fault and Nagar Parkar fault: BSPL pipeline project	6.74	Prof. S. K. Jain
Oct.2008-Sept. 2009	ISR, Gandhinagar	Seismotectonic Invetsigations around Mundra	2.02	No

Aug. 2008-Oct. 2008	AGAKF, New Delhi	Ground Penetrating Radar (GPR) Survey to identify archaeological remnants around Sundernwala Mahal and Sunderwala Burj, Sunder Nursery, New Delhi	11.63	Prof. Onkar Dikshit
Nov. 2006–Nov. 2010	OYO International Corporation Japan	Active fault mapping and paleoseismic investigations in Kachchh region. Gujarat	13.44	No

M. TECH AND PH. D THESIS

M. Tech Thesis

S. No.	Name	Year	Title of Thesis	Co-guides
1	Vijay Pratap Singh	2003	Active Tectonics And Seismic Hazard Studies Along Himalaya With Reference To Indian Subcontinent	No
2	Chirashree Mohanty	2004	Morphmetric Analysis And Tectonic Interpretation of Digital Terrain Data, NW Himalaya: A Remote Sensing and Gis Approach	No
3	Shishir Kumar Rath	2005	Active tectonics studies Along Himalayan Frontal Thrust, NW Himalaya.	No
4	Afroz Ahmad Shah	2005	Identification of Active Tectonic Features Around Ramnagar and KotaBagh area of Nainital Foothills	No
5	Ajit Kumar Sahoo	2006	Active Tectonic and Ground Penetrating Radar Investigations along Western Part of Janauri Anticline with reference to Himalayan Frontal Thrust, NW-Himalaya	No
7	Arvind K Pandey	2007	Utility Mapping at IIT Kanpur Campus Using Ground Penetrating Radar (GPR)	No
8	P. Bharat Gandhi	2008	Development of a Remote Sensing and GIS based approach for archaeological investigation of Varanasi and its surroundings.	With Prof. B. Lohani
9	Khalid Ansari	2008	Active Tectonic and Ground Penetrating Radar Investigations along Kachchh Mainland Fault and Katrol Hill Fault, Kachchh, Gujarat	No

9	Ashutosh Kumar	2009	Ground Penetrating Radar survey to identify archaeological remnants around Sundarwala Mahal and Sundarwala Burj (near Humayun's Tomb), Delhi	No
10	Satuluri Sravanthi	2009	Ground Penetrating Radar Application in Archaeological Investigations at Ahichhatra, Bareily (District).	No
11	Bishuddhakshya Puhan	2009	Active Fault and Paleoseismic Studies along the Janauri Anticline, NW Himalaya, India	No
12	Chiranjib Banerjee	2010	Paleoseismic and paleo-tsunami investigations along the west coast of the South Andaman, Andaman and Nicobar Islands, India.	No
13	Afzal Khan	2010	Paleoseismic investigations along the west coast of South Andaman, Andaman Islands, India.	No
14	Mitrika Singha	Ongoing	GPR investigation in IITK campus	No
Ph. D				
1	Sambit Prasanjit Naik	Submitted	Active fault and paleoseismic studies along Himalaya and effect of large magnitude earthquake in Indo-Gangetic Plain, with reference to liquefaction	With Prof. N. R. Patra
2	Santiswarup Sahoo	Submitted	Active Fault and Paleoseismic studies in Kangra Valley, NW Himalaya: An attempt to identify the surface rupture of 1905 Kangra earthquake	No
3	S. Sravanthi	Ongoing	Mapping of buried archaeological structures using Ground Penetrating Radar, attempt to understand the relation of the site between Ahichhatra and Kausambhi.	No
4	Frango C. Johnson	Ongoing	Paleoseismic studies along Andaman Islands	No
5	Asmita Mohanty	Ongoing	Active fault and paleoseismic studies along the foothill zone of Himalaya near Pathankot and Hajipur, NW Himalaya.	No
6	Afzal Khan	Ongoing since 2011	Active Tectonic and Paleoseismic studies along west coast of Andaman Island: Its implication on seismic and tsunami hazard in A&N Islands	No
7	Shreya Arora	Ongoing since 2012	Active Fault and Paleoseismic studies around Chandigarh and Pinjore Dun, NW Himalaya	No