

# Javed N Malik

Department of Earth Sciences, IIT Kanpur



## Personal Information

### 1. Name in Full:

First Name	Middle Name	Last Name
JAVED HUSAIN	N	<u>MALIK</u>

### 2. Address

Present	Permanent
Department of Earth Sciences	A-6 Vrindavan Society
Indian Institute of Technology Kanpur	Opp. Novino Batteries
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3. Date of Birth: 24<sup>TH</sup> November 1968

4. Nationality: INDIAN

5. Sex: Male

### 6. Present Employment Details

Designation	Organization	From	Roles and responsibilities
<b>Professor</b>	Department of Earth Sciences Indian Institute of Technology Kanpur Kanpur 208016	15 June 2015	<ul style="list-style-type: none"><li>Teaching UG and PG students in Geosciences</li><li>Research on Earthquake and Tsunami Geology</li></ul>

7. Area of Specialization: Active Tectonics, Paleoseismology and Paleo-tsunami

### 8. Current Areas of Research

- Active fault mapping and Paleoseismological investigations along NW Himalaya and Kachchh
- Paleo-Tsunami studies in Andaman and Nicobar Islands

### 9. Academic Record (starting with Bachelor's Degree)

Degree	University/ Institution	Year	Subjects/ Area of Specialization	Division/ Grade
B. Sc.	Department of Geology Faculty of Science.	1989	<b>Geology</b>	<b>I</b>
M. Sc.	Maharaja Sayajirao University of Baroda VADODARA 390002	1991	<b>Geology</b>	<b>I</b>
Ph. D.		1998	<b>Geology</b>	

## Teaching Experience:

Duration	Post/ Organisation	Area(s)
5 November, 2001 – December 2007	Assistant Professor Department of Civil Engineering Indian Institute of Technology Kanpur Kanpur 208016	Engineering Geosciences
31 December 2007- 15 June 2015	Associate Professor Department of Civil Engineering Indian Institute of Technology Kanpur Kanpur 208016	Engineering Geosciences
15 June 2015 onwards	Professor Department of Civil Engineering Indian Institute of Technology Kanpur Kanpur 208016	Geosciences
22 December 2015 onwards	Professor Department of Earth Sciences Indian Institute of Technology Kanpur Kanpur 208016	Active Tectonics and Paleoseismology

## Peer Recognition

### Awards, fellowships, other recognitions

1. **JSPS (JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE) SHORT TERM FELLOWSHIP - VISITING RESEARCHER** at Earthquake Research Institute (**ERI**), **University of Tokyo**, June-July, **2013**. To work on Comparison between 2004 Sumatra-Andaman Tsunami of Indian Ocean and 2011 Tohoku Tsunami of Japan.
2. **POST DOCTORAL FELLOWSHIP - VISITING RESEARCHER** at Earthquake Research Institute (**ERI**), **University of Tokyo**, for June, **2012**.
3. **POST DOCTORAL FELLOWSHIP - VISITING RESEARCHER** at Earthquake Research Institute (**ERI**), **University of Tokyo**, June-July, **2009**.
4. **S. S. MERH AWARD 2004** for significant contribution in Quaternary Geology of India by **Geological Society of India, Bangalore, India**.
5. **BOYSCAST FELLOWSHIP 2003-2004** (3 months) to work at Institut De Physique Du Globe De Strasbourg, France.
6. **YOUNG MUSLIM SCIENTIST AWARD (YMSA)-2002** in Physical Sciences by Muslim Association for Advancement of Science (MAAS).
7. **JSPS (JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE) POST-DOCTORAL FELLOWSHIP**, 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.

## Publications

### A. Journal Papers

Sl. No.	Year	Article Name	Author (s)	Published in	URL of the Publication
1	2016	Paleoseismic evidence of the CE 1505 (?) and CE 1803 earthquakes from the foothill zone of the Kumaon Himalaya along the Himalayan Frontal Thrust (HFT), India	Malik Javed N., Naik S. P., Sahoo S., Okumura K., Mohanty A.	<i>Tectonophysics</i>	<a href="http://dx.doi.org/10.1016/j.tecto.2016.07.026">http://dx.doi.org/10.1016/j.tecto.2016.07.026</a>
2	2016	Rupture model of Mw 7.8, 2015 Gorkha, Nepal earthquake: Constraints from GPS measurements of coseismic offsets	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., <b>Malik, J.</b> , Kundu, B., Debbarma, C., and Gahalaut, V.K.	<i>Journal of Asian Earth Sciences</i>	<a href="http://dx.doi.org/10.016/j.jseas.2016.04.015">http://dx.doi.org/10.016/j.jseas.2016.04.015</a>
3	2015	Stratigraphic evidence for earthquakes and tsunamis on the west coast of South Andaman Island, India during the past 1,000 years	<b>Malik, J. N.</b> , Banerjee, C., Khan, A., Johnson, F. C., Shishikura, M., Satake, K., and Singhvi, A. K.	<i>Tectonophysics</i> , 661 (2015) 49–65.	<a href="http://dx.doi.org/10.1016/j.tecto.2015.07.038">http://dx.doi.org/10.1016/j.tecto.2015.07.038</a>
4	2015	Active Fault and Paleoseismic Studies in Kangra Valley: Evidence of surface rupture of a Great Himalayan 1905 Kangra earthquake (Mw7.8), NW Himalaya, India	<b>Malik, J. N.</b> , Sahoo, S., Satuluri, S., Okumura, K.	<i>Bulletin of Seismological Society of America, AGU publication. Vol. 105, No. 5, pp. 2325–2342, October 2015,</i>	<a href="http://doi:10.1785/0120140304">http://doi:10.1785/0120140304</a>
5	2014	Active fault study along foothill zone of Kumaun Sub Himalaya: influence on landscape shaping and drainage evolution	<b>Malik, J. N.</b> , Shah, A. A., Naik, S. P., Sahoo, S., Okumura, K., and Patra, N. R.	<i>Current Sciences, In special issue on Himalayas</i> , 106(2): 229-236	
6	2013	Spatial Distribution of Shear Wave Velocity for Late Quaternary Alluvial Soil of Kanpur City, Northern India	Naik S. P., Patra N. R., Malik J. N.	<i>Geotech Geol Eng</i>	<a href="http://DOI 10.1007/s10706-013-9698-3">http://DOI 10.1007/s10706-013-9698-3</a>
7	2013	Ground Response Analysis of Kanpur soil along Indo-Gangetic Plain	Jishnu, R. B., Naik. S. P., Patra, N. R., <b>Malik J. N.</b>	<i>Soil Dynamics and Earthquake Engineering</i> 51:47–57	
8	2012	Ground Penetrating Radar (GPR) investigations along Hajipur Fault -Himalayan1 Frontal Thrust: Attempt to identify near sub-surface displacement, N W Himalaya, India	<b>Malik, J. N.</b> , Kumar, A., Satuluri, S., Bishuddhakshya, P., Mohanty, A.	<i>International Journal of Geophysics</i> ,	doi:10.1155/2012/608269.
9	2012	Assessment of Liquefaction potential of alluvial soil of Indo-Gangetic Interfluves, Northern India	Naik, S. P., Patra, N. R. and <b>Malik, J.N.</b>	<i>Geotechnical Special publication, ASCE</i> , 1859-1868.	
10	2011	Geologic evidence for two pre-2004 earthquakes during recent	<b>Malik, J. N.</b> , Shishikura, M., Echigo, T., Ikeda,	<i>Geology</i> , 39(6); 559-562,	doi:10.1130/G31707.1

		centuries near Port Blair, South Andaman Island, India.	Y., Satake, K., Kayanne, Swai, Y., Murty, C. V. R., and Dikshit, O.	GSA, USA	
11	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.	<b>Malik, J. N.</b> , Sahoo, A. K., Shah, A., Shinde, D. P., Juyal, N., Singhvi, A. K.	<i>Journal of Structural Geology</i> , 32:350-361, Elsevier,	doi:10.1016/j.jsg.2010.01.005
12	2010	Active fault, fault growth and segment linkage along the Janauri anticline (frontal foreland fold), NW Himalaya, India	<b>Malik, J. N.</b> , Shah, A., Sahoo, A. K., Puhan, B., Banerjee, C., Shinde, D. P., Juyal, N., Singhvi, A. K., Rath, S. K.	<i>Tectonophysics</i> , 483: 327-343, Elsevier,	doi:10.1016/j.tecto.2009.10.028
13	2010	Active faulting and deformation of Quaternary landforms sub-Himalayan, India	Kothiyari, G. Ch., Pant, P. D., Joshi, Maulishree, Luire, K., and <b>Malik, J. N.</b>	<i>Geochronometria</i> , 37: 63-71. Institute of Physics, Silesian University of Technology	doi: 10.2478/v10003-010-0015-3
14	2009	Preliminary report on Ground Penetrating Radar (GPR) investigations conducted at Ahichchhatra site, Indo-Gangetic Plain	<b>Malik, J. N.</b> , Satuluri S., Kumar A., Ansari K., Dikshit O., Vikram B., Prabhakar, V. N., and Rai G. K.,	<i>Journal of Interdisciplinary Studies in History and Archaeology (JISHA)</i> . Allahabad	
15	2008	Active Low-Angle Reverse Fault and Wide Quaternary Deformation Identified in Jhura Trench across Kachchh Mainland Fault, Kachchh, Gujarat, India	Morino, M., <b>Malik, J. N.</b> , Gadhavi, M. S., Ansari, K., Mishra, P., Bhuiyan, C., and Kaneko, F.	<i>Journal of Active Fault Research, Japan</i> , 29: 71-79. Japan	
16	2008	Challenges of Low-to-Moderate Seismicity in India	Murty, C. V. R., and <b>Malik, J. N.</b> (2008).	<i>In special Issue: Earthquake Engineering in the low and moderate seismic regions of Southeast Asia and Australia. EJSE</i> , 64-78.	
17	2008	Active fault and paleoseismic investigation: evidence of historic earthquake along Chandigarh Fault in the frontal Himalayan zone, NW India	<b>Malik, J. N.</b> , Nakata, T., Philip, G., Suresh, N. and Virdi, N. S.	<i>Journal of Himalayan Geology</i> , 29(2): 109-117. WIHG, Dehradun	
18	2008	Active fault traces along Bhuj Fault and Katrol Hill Fault, and trenching survey at Wandhay, Kachchh, Gujarat, India	Morino, M., <b>Malik, J. N.</b> , Mishra, P., Bhuiyan, C., and Kaneko, F.	<i>Journal of Earth System Sciences</i> , 117(3): 181–188. Bangalore	
19	2008	First active fault exposure identified along Kachchh Mainland Fault: Evidence from trench excavation near Lodai village, Gujarat, Western India	<b>Malik, J. N.</b> , Morino, M., Mishra, P., Bhuiyan, C., and Kaneko, F.	<i>Journal Geological Society of India</i> , 71: 201-208. Bangalore	
20	2007	Coseismic and postseismic creep in the Andaman Islands associated with the 2004 Sumatra-	Kayanne, H., Ikeda, Y., Echigo, T., Shishikura, M., Kamataki, T., Satake,	<i>Geophysical Research Letters</i> , USA, 34, L01310,	

		Andaman earthquake	K., <b>Malik, J. N.</b> , Shaikh, B. R., Chakrabortty, G. K., and Ghosh Roy, A. K.		
21	2007	Active tectonic influence on the evolution of drainage and landscape: Geomorphic signatures from frontal and hinterland areas along Northwestern Himalaya, India	<b>Malik, J. N.</b> and Mohanty, C	<i>Journal of Asian Earth Sciences</i> , Elsevier Publications, 29(5-6): 604-618.	
22	2007	Ground Penetrating Radar investigation along Pinjore Garden Fault: Implication toward identification of shallow subsurface deformation along active fault, NW Himalaya	<b>Malik, J. N.</b> , Sahoo, A. K., and Shah, A. A.	<i>Current Science</i> , 93(10): 1422-1427. IAS, Bangalore	
23	2007	A repository of earth resource information - CORONA satellite program: A review	Dashora, A., Lohani, B., <b>Malik, J. N.</b>	<i>Current Science</i> , 92(7): 926-932. IAS, Bangalore	
24	2007	Farthest recorded liquefaction around Jammu caused by October 8, 2005 Muzaffarabad earthquake of Mw 7.6	<b>Malik, J. N.</b> , Sahoo, A. K., Shah, A. A., Rawat, A., and Chaturvedi, A.	<i>Journal of Geological Society of India</i> , 69: 39-41. GSI Bangalore	
25	2006	Landscape Changes in the Andaman and Nicobar Islands (India) after the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami	<b>Malik, J. N.</b> , Murty, C. V. R. and Rai, D.	<i>Earthquake Spectra, EERI</i> , USA, 22(S3):S43-S66. USA	
26	2005	Predecessors of the giant 1960 Chile earthquake	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., <b>Malik, J. N.</b> , Rizal, Y., and Husni, M.	<i>Nature</i> , 437-USA	
27	2005	Landscape Changes in Andaman & Nicobar Islands (India) due to Mw9.3 Tsunamigenic Sumatra Earthquake of 26 December 2004	<b>Malik, J. N.</b> , and Murty, C. V. R.	<i>Current Science</i> 88(9): 1385-1386. IAS Bangalore	
28	2005	Evidence of Paleoearthquakes from trench investigations across Pinjore Garden fault in Pinjore Dun, NW Himalaya	<b>Malik, J. N.</b> , and Mathew, G.	<i>Journal of Earth System Science</i> 114(4): 387-400. IAS and Springer Publications Bangalore	
29	2005	Effects of M 9 Sumatra earthquake and tsunami of 26 December 2004	Jain, S. K., Murty, C. V. R., Rai, D. C., <b>Malik, J. N.</b> , Sheth, A., Jaiswal, A.	<i>Current Science</i> 88(3): 357-359. IAS Bangalore	
30	2005	Recent tsunami and earthquake devastation. Preliminary Report	Jain Sudhir K., Kaushik Hemant, Murty C.V.R., <b>Malik Javed N.</b> , Das	<i>The Indian Concrete Journal</i> . 11-14.	

			Suresh R., Rai, Durgesh C., Mondal, Sheth Alpa, Gandhi Prathibha, Jaiswal Arvind, Sanyal Snighdha, Sodhi J.S., and Kumar Santhosh	ACC Ltd. Thane	
31	2004	Use of satellite data for tectonic interpretation, NW Himalaya	Mohanty, C., Baral, D. J. and <b>Malik, J. N.</b>	<i>Journal of the Indian Society of Remote Sensing.</i> 32(3): 241-247. Dehra Dun	
32	2003	Active faults and related Late Quaternary deformation along the northwestern Himalayan Frontal Zone, India	<b>Malik, J. N.</b> , and Nakata, T.	<i>Annals of Geophysics</i> , 46(5), 917-936. Italy	
33	2003	Preliminary observations from trench near Chandigarh, NW Himalaya and their bearing on active faulting	<b>Malik, J. N.</b> , Nakata, T., Philip, G. and Virdi, N. S	<i>Current Science</i> 85(12): 1793-1799. IAS Bangalore	
34	2001	January 26, 2001, The Republic Day (Bhuj) earthquake of Kachchh and active faults, Gujarat, Western India.	<b>Malik, J. N.</b> , Nakata, T., Sato, H., Imaizumi, T., Yoshioka, T., Philip, G., Mahajan, A. K., and Karanth, R. V.	<i>Journal of Active Fault Research</i> , 20: 112-126. Japan	
35	2001	A Comprehensive Survey of the 26 January 2001 Earthquake (Mw 7.7) in the state of Gujarat, India	Sato, T., Hamada, M., Hayasi, Y., Hisada, Y., Kato, T., Katta, V., Lakhina, G. S., <b>Malik, J. N.</b> , Miyashita, K., Mori, J. J., Murakami, H., Nakata, T., Negishi, H., Paul, D. K., Sato, H., Sawada, S., Singh, R. P., Yoshioka, T.	<i>Research report on Natural Disasters</i> , December 2001, p. 117. Japan	
36	2001	Extensive surface deformation around Budharmora associated with the January 26, 2001, The Republic Day (Bhuj) earthquake of India	Nakata, T., Yoshioka, T., Sato, H., Imaizumi, T., <b>Malik, J. N.</b> , Philip, G., Mahajan, A. K., and Karanth, R. V.	<i>Journal of Active Fault Research</i> , 20: 127-136. Japan	
37	2001	Active Tectonic control on Alluvial fan Architecture along the Kachchh Mainland Hill Range, Western India	<b>Malik, J. N.</b> , Sohoni, P. S., Merh, S. S. and Karanth, R. V.	<i>Zeitschrift für Geomorphologie</i> , 45(1): 81-100. Germany	
38	1999	The influence of the southwest Indian monsoon on continental deposition over the past 130 ka, Gujarat, Western India	Khadkikar, A. S., Mathew, G., <b>Malik, J. N.</b> , Gundu Rao, T. K., Chowgaokar, M., Merh S. S.	<i>Terra Nova</i> , 11: 273-277. USA	
39	1999	Modern and Historic seismicity of Kachchh Peninsula, Western India	<b>Malik, J. N.</b> , Sohoni, P. S., Karanth, R. V. and Merh, S. S.	<i>Journal Geological Society of India</i> 54: 545-550. GSI Bangalore	
40	1999	Allogenic control on late Quaternary continental sedimentation in the Mahi Basin,	<b>Malik, J. N.</b> , Khadkikar, A. S., and Merh, S. S.	<i>Journal Geological Society of India</i> . 53: 299-314	

		Western India		GSI Bangalore	
41	1999	Paleo-delta complex of Vedic Sarasvati and other ancient rivers of Northwestern India	Malik, J. N., Merh, S. S. and Sridhar, V.	<i>Memoir Geological Society of India</i> 42: 163-174. GSI Bangalore	
42	1999	Active tectonics astride Katrol Hill Zone, Kachchh, W. India	Sohoni, P. S., Malik, J. N., Merh, S. S. and Karanth, R. V.	<i>Journal Geological Society of India</i> . 53: 579-586. GSI Bangalore	
43	1999	Late Quaternary drainage disruption in Northwestern India: A Geoarchaeological Enigma	Sridhar, V. Merh, S. S. and Malik, J. N.	<i>Memoir Geological Society of India</i> 42: 187-204 GSI Bangalore	
44	1998	Calcretes in semi-arid alluvial systems: Formative pathways and sinks	Khadkikar, A. S., Merh, S. S., Malik, J. N., and Chamyal, L. S.	<i>Sedimentary Geology</i> , 116: 251-260. Elsevier Publications	
45	1998	Remnants of large magnitude earthquakes: Evidences from the Great Rann sediments, Kachchh, Western India	Sohoni, P. S., and Malik, J. N.	<i>Current Science</i> . 74(11): 985-989. IAS Bangalore	
46	1997	Sedimentology of the Narmada alluvial fan, Western India	Chamyal, L.S., Khadkikar, A.S., Malik, J. N. and Maurya, D.M.	<i>Sedimentary Geology</i> , 107: 263-279. Elsevier Publication	
47	1997	Soft sediment deformation in the Quaternary sediments of the lower Mahi river basin, Western India	Maurya, D.M., Malik, J.N., Rachna R. and Chamyal, L.S.	<i>Current Science</i> 72(7): 519-522. IAS Bangalore	
48	1997	The Holocene valley fill terraces in the lower Mahi valley, Gujarat	Maurya, D.M., Malik, J.N., Rachna, R. and Chamyal, L.S.	<i>Current Science</i> , 73: 539-542. IAS Bangalore	
49	1996	Palaeoflood analysis of channel fill deposits, Central Tapi river basin, India	Malik, J.N. and Khadkikar, A.S.	<i>Zeitschrift für Geomorphologie</i> , 106: 99-106.Germany	
50	1996	Arid humid cycles in Mainland Gujarat over past 300 ka: Evidence from the Mahi river basin, India	Khadkikar, A.S., Chamyal, L.S., Malik, J.N. , Maurya, D.M. and Merh, S.S.	<i>Journal Geological Society of India</i> . 47(3): 383-388. GSI Bangalore	
51	1995	The Quaternary sedimentation and Neotectonism in Lower Tapi valley	Malik, J.N.	<i>Man and Environment</i> . 20(2): 1-9. Pune	

#### B Papers published in Conference Proceedings:

S. No.	Author(s)	Year	Title	Publisher
1	Satuluri, S., Malik, J. N., Bhuvan, V.	2012	Ground Penetrating Radar Investigations at Ahichhatra: An attempt to identify buried subsurface structures	<i>IEEE, 14th International Conference on Ground Penetrating Radar (GPR) June 4-8, 2012, Shanghai, China @ ISBN 978-1-4673-2663-. Pages: 625-630</i>

2	Satake, K, Y Okamura, M Shishikura, T Aung, H Kayanne, Y Ikeda, T Echigo, <b>J N Malik</b> , 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	<i>EOS Trans. AGU, 87(52), Fall Meet. Suppl., Abstract U52A-06.</i>
3	<b>Malik, J. N.</b>	2006	Active faults along foot hill zone of Himalaya around Chanidgarh and Pinjore Dun, NW Himalaya	<i>Seminar held at MES Chandimandir, Chandigarh Zone on 17 January 2006, on "Seismic Protection of Structure", p. 13-24</i>
4	<b>Malik, J. N.</b> , Sohoni, P. S., Merh, S. S. and Karanth, R. V.	2000	Palaeoseismology and neotectonism of Kachchh, Western India	<i>Proceedings of the Hokudan International Symposium and School on Active Faulting, Japan. Eds. K. Okumura, K. Takada, H. Goto</i>

## Funding

List R&D projects with details of funding, duration, whether PI or co-PI, ...

Sr. No.	Period	Sponsoring Organisation	Title of Project	Amount of Grant (Rupee in Lakhs)	Co-Investigators
	2016-2020	MoES	Active Fault and Paleoseismic studies along Kachchh Mainland Fault between Bachchau and Nirona, Western India	36.0	M. S. Gadhavi, LD Collage of Engineering
1	2014-2019	MHRD	Understanding the Past History of Ancient Settlements in the Great Rann of Kachchh, Gujarat: Influence of Seismic Activities or Climatic Fluctuations	75.0	Profs. Shivam Tripathi; Koumudi Patil and Bhuvan Vikram (ASI)
2	2014-2019	MHRD	Science and Technology of Water Harvesting and Management in the Medieval Fort of Kalinjar in Central India	27.0	Co-PI with Profs. Shivam Tripathi; Naren Naik and Bhuvan Vikram (ASI)

3	2013-2018	INCOIS, Hyderabad (MoES)	Paleoseismic and Paleo-Tsunami Investigations Along South-Middle Andaman and Car Nicobar Islands Towards Earthquake And Tsunami Hazard Assessment Of A&N Islands	149.0	Dr. T. Srinivasa, Scientist & Head INCOIS, Tsunami Early Warning Centre. Hyderabad
4	Oct. 2010- Oct. 2015	JICA-JST, Japan	Paleoseismic & GPS studies for active fault mapping and slip rate estimation in NW-Central Himalaya, India	410.0	Prof. Onkar Dikshit
5	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
6	Feb. 2009- Feb. 2012	DST, New Delhi	Study of liquefaction potential alluvial soil along Indo-Gangetic Plain	28.3	Prof. Nihar R. Patra
7	Feb. 2008- Dec. 2012	INCOIS, Hyderabad (MoES)	Active Tectonic investigations around South-Middle Andaman and Car Nicobar Islands, A&N Islands	35.8	Prof. Onkar Dikshit
8	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
9	Feb. 2005- Feb. 2008	DST, New Delhi	Active tectonic investigation along northwestern Himalayan foothill zone	47.0	No
10	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
11	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

List details of consultancy projects with details of funding, duration, whether PI or co-PI,

Period	Organisation	Nature of Work	Amount of Grant (Rupee in Lakhs)	Co-Investigators

Feb 2015 Onwards	Archaeological Survey of India, Guwahati Circle	Ground Penetrating Radar (GPR) Investigation at Karenghar of the Ahom Kings (Talatalgharh) Sivasagar, Guwahati, Assam	14	No
March 2015 onwards	Archaeological Survey of Madhya Pradesh & CRCI, New Delhi	Ground Penetrating Radar (GPR) Investigation at Ashapuri Temple site, Bhopal, Madhya Pradesh	26.5	No
Sept. 2013- Ongoing	Archaeological Survey of India, Agra Circle	Ground Penetrating Radar (GPR) Investigation at Gulistanpur - Harappan Site, Gautam Buddh Nagar (Noida), Uttar Pradesh	44.0	No
Sept. 2012-ongoing	Archaeological Survey of India, New Delhi	GPR Survey At Subhash Park, Delhi	14.04	No
April 2012-ongoing	Public Works Department, Lucknow, UP	Ground Penetrating Radar (GPR) Investigation On Well Foundation Of Bridge Over Yamuna River Near Shergarh, District-Mathura	14.80	No
January 2012-ongoing	M/s Draupadi Trust, New Delhi	Ground Penetrating Radar Survey at Kampilya (erstwhile southern Panchala capital)	0.4	No
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 Sunderwala 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

### Journal Editorship, membership of national and international committees:

<b>Description</b>	<b>Duration</b>
Section Secretary-Solid Earth, Asia Oceania Geosciences Society	Since 2004
Fellow of Geological Society of India, Bangalore	Since 1999
Member, American Geophysical Union (AGU)	Since 2010
Member, Indian Society of Earthquake Technology, Roorkee	Since 2002
Member Editorial Board - Fast Track Articles: Journal of the Geological Society of India	Since 2012