


# Curriculum Vitae



<b>Title</b>	<b>Professor</b>	<b>First Name</b>	<b>Chandra Shekhar</b>	<b>Last Name</b>	<b>Dubey</b>	<b>Photograph</b>
Designation		<b>Professor</b>				
Department		<b>Department of Geology, UGC-Centre of Advanced Studies.</b>				
Address	(Campus)	<b>North Campus, University of Delhi, Delhi-110007 &amp; Director Campus of Open Learning, Delhi University</b>				
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<b>Education</b>						
<b>Subject</b>	<b>Institution</b>		<b>Year</b>	<b>Details</b>		
<b>Ph. D. in GEOLOGY</b>	<b>Delhi University</b>		<b>1993-94</b>	Thesis topic: Metamorphics of Sikkim Himalayas		
<b>P. G. Diploma</b>	<b>CNR-IIRG, School of Geothermics, Pisa, Italy</b>		<b>1986-87</b>	Subject: Geothermal Exploration(Merit)		
<b>M. Phil. in Geology</b>	<b>Delhi University</b>		<b>1982</b>	Thesis Topic: Morphotectonics in part of Sikkim Himalayas (Ist Division)		
<b>M. Sc. in Geology</b>	<b>Delhi University</b>		<b>1978-79</b>	Subjects: Applied Geology (Ist Division)		
<b>Career Profile</b>						
<b>Organization / Institution</b>		<b>Designation</b>	<b>Duration</b>	<b>Role</b>		
<b>Campus of Open Learning</b>		<b>Director</b>	<b>Feb. 2013 contd.</b>	<b>Administrative works of Campus</b>		
<b>Dean</b>		<b>Faculty of Open Learning</b>	<b>Feb.2013 contd.</b>	<b>Academic/Administrative works</b>		
<b>School of Open Learning</b>		<b>Chairman, Governing Board</b>	<b>Feb.2013 contd.</b>	<b>Administrative works</b>		
<b>DU Sports Council</b>		<b>Chairman</b>	<b>Sept. 2011 contd.</b>	<b>Admissions/Administrative</b>		
<b>Faculty of Science</b>		<b>Dean</b>	<b>May 2013-2014</b>	<b>Administrative works of Faculty</b>		
<b>University of Delhi</b>		<b>Head of the Department</b>	<b>June 2011-2014</b>	<b>Administrative works of Department</b>		
<b>University of Delhi</b>		<b>Professor</b>	<b>Feb. 2004 contd.</b>	<b>Teaching and Research</b>		
<b>University of Delhi</b>		<b>Reader</b>	<b>1996- Jan.2004</b>	<b>Teaching and Research</b>		
<b>University of Delhi</b>		<b>Lecturer</b>	<b>Nov.1982-1996</b>	<b>Teaching and Research</b>		
<b>Research Interests / Specialization</b>						
<ul style="list-style-type: none"> <li>✓ Himalayan Geology (Studies from Exhumation to Erosion and Mass wasting, Environmental Geology (RS and GIS)/Neotectonic Studies/Earthquake Engineering/River valley Project.</li> <li>✓ Geology, Geotechnical, Environment Impact assessment and management Plans H.E. Projects, Oil and Gas Projects, River valleys etc.</li> <li>✓ Computer Laboratory Setup/Software Applications in Geology (GIS, Datamine, Internet applications, and Geological Software's).</li> </ul>						

- ✓ Geochemistry & Geothermal Exploration.
- ✓ **Digital Learning & Web2tools in Teaching & Learning** As the Director Campus of Open Learning and Chairman GB SOL approx... **450,000 students have been upgraded from completely offline to online mode deliverables in admissions and Examinations.** In a flipped class room, I have initiated **preparation of audio and video lectures with Web2Tools and more importance to pedagogues for experiential Learning, group discussions, case studies, continuous assessment and skill oriented projects** in the PCP teaching. We have developed an individual LMS with Student and Employee dashboards along with a robust ERP.
- ✓ As Project In charge of two UKIERI projects on Digital Literacy and Computer Gaming have trained 60 teachers in pedagogy with experiential learning on Web2tools. I have started Short Term Private Online (SPOCS) and offline skill based courses to initiate Just in Time Education Course contents for Make in India in Partnership and collaboration with industries related to 4th Industrial Revolution.

### Teaching Experience ( Subjects/Courses Taught)

- Under Graduate** : General Geology, Petrology, Mineralogy, Crystallography & Environmental Geology.  
**Post Graduate** : Metamorphic Petrology, Geothermal Energy, Nuclear Geology, Mineralogy, RS and GIS.  
**M. Phil** : Geophysics, Computer Applications in Geology (GIS, Internet applications, and Geological Software's), Geochemistry & Geothermal Exploration.

### Honors & Awards

- 2017- Appointed as Ambassador for the global advocacy of OER (Open educational resources) for two years (2017- 2019) in ICDE (International Council for Open and Distance Education)–Oslo, Norway
- 2017- Present Expert Member HPDEC UGC-High Powered Distance Education Committee to give new dimensions to Open and Distance Education in the country (for Three Years 2017-2020)
- 2017 Expert Member, Research Council, Defense Terrain Research Laboratory, DRDO, Ministry of Defense, Government of India
- 2016 Present Expert Member National Steering Committee, NRDMS, Ministry of Science and Technology, Govt. of India,
- 2016 SOL has been awarded ASSOCHAM INDIA EDUCATIONAL, NATIONAL EXCELLENCE AWARDS for BEST UNIVERSITY IN OPEN, DISTANCE, AND ONLINE LEARNING
- 2016 Expert member, NATIONAL GEOSPATIAL POLICY DST CONSULTATIVE COMMITTEE
- Expert Member, Women PDF Committee, UGC (2013)
- Expert Member, Indo-USA Obama and Raman Post Doctorate Fellowships, UGC (2013)
- Special invitee for attending the workshop on workshop on Industrial Pollution, Regulation and Growth: Governance Challenges and Innovation, at Venice International University organized by Harvard University and the Italy's Ministry for Environment, Land and Sea (2012).
- Advisor, Board of Research Studies, Rajiv Gandhi National Institute for Youth development, Sriperumbudur, Chennai (2011 contd.)
- Nominee Expert Member (of Minister for Youth, Sports and Culture) as Academician, Selection Committees for Faculty posts of Lakshmibai National University of Physical Education, Gwalior (2011)

- Expert Member, CAS-UGC Review Committees of Punjab and Kumaun University (2011-12)
- Expert Member, Selection Committee for Head, Department of Geology, M S University, Baroda (2011)
- Expert Member, Selection Committee for National Youth Awards, Ministry of Youth and Cultural Affairs, Govt. of India (2011)
- Expert Member, Selection Committee for Tenzing Norgay Awards (Equivalent Arjun Awards), Ministry of Youth and Cultural Affairs, Govt. of India (2011)
- Expert Member, Selection Committee for Scientist C & F Posts in Ministry of Earth Sciences, Govt. of India (2011)
- Expert Member, National Expert Appraisal Committee (EAC)-1 in the Industry Sector for Assessment, evaluation and clearance under the EIA Notification, 2006, Ministry of Environment and Forests, Govt. of India (2009-12).
- Expert Member, Sub-Committee on Application of Geosciences for weaker Sections, Ministry of Science and Technology (DST), Govt. of India (2009-12). (Assigned to submit *Vision Document on Prevention and remediation of occupational hazards, Geo hazards, inventory design of low cost seismic, flood, cyclone, landslides and Tsunami resistant structure, Climate change adaptability options*).
- Expert Member, Geohazards (Landslides, Tsunamis etc.) Ministry of Science and Technology (DST), Govt. of India (2009-2012).
- UGC Nominee. Academic Staff College, Shimla (2008-2010).
- SAP-UGC Expert Advisory Member, Rajasthan and Goa Universities (contd.).
- Expert Member, PAC, R&D Panel, Indian National Committee, (CGWB) Ministry of Water Resources, Govt. of India (2010-2013).
- External Expert Member, Board of Research Studies, Departments of Geoinformatics and Geology, Kumaun University (2010-2013).
- Member, Health Impacts of Geological Disasters Committee, International Medical Geologists Association, IUGS.
- Indian Representative as Member, Himalayan Co-ordination Committee, ILP, UNESCO in Switzerland.
- 1992-96 Expert Member, Project Appraisal Committee, River Valley and H.E. Projects, Ministry of Environment and Forests, Govt. of India, in 1992-1996.
- Vigyan Sangrakshak award from Delhi University Society for Natural Sciences, 1991.
- Awarded first ever Diploma of Merit in past 20 years of opening of International School of Geothermics, Pisa, Italy for training in "Geothermal Exploration" in 1987.

### ***Fellowship/ Awards***

- Visiting Professor, Grenoble, France (2007 and 2009).
- NSF-DST Project Fellow 2004-2006 (Indo-US).
- B.P. Koirala India-Nepal Foundation Fellow 1995-1997. (Indo-Nepal).
- UNESCO Fellow under Indo-Italian 1986-1987. Technical Co-operation program in Italy. (Indo-Italian).

**Publications.***>839 citations (>641 in last 5 years)***In Indexed/ Peer Reviewed Work**<http://scholar.google.co.in/citations?user=hqyXRe4AAAAJ&hl=en>**Articles/ Papers Published (2010 onwards)**

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>Co-Author</u>
2017	Landslide susceptibility mapping & prediction using Support Vector Machine for Mandakini River Basin, Garhwal Himalaya, India	Journal of Geomorphology 295 (2017) 115–125 0169-555X/ © 2017 Elsevier B.V. All rights reserved.	Deepak Kumar, Manoj Thakur, Chandra S. Dubey, Dericks P. Shukla,
2017 Accepted	Sources of fluoride contamination in Singrauli with special reference to Rihand reservoir and its surrounding	Journal Geological Society of India	Arnold L Usham, C S DUBEY, D P Shukla, BK Mishra GP Bhartiya
2017 Accepted	Post-Earthquake Geo- Disaster of 6.7 Mw Manipur Earthquake 2016	Proceeding Volume Palgrave-Springer	Ningthoujam, P.S, Dubey, C.S, Lolee, L.K, Gonmei,
2016	Liquefaction Potential Evaluation for Subsurface Soil Layers of Delhi Region	Journal Geological Society of India Vol. 88 (August 2016), pp.147-150	Thoithoi, L., Ningthoujam, P.S., Shukla, D.P., Singh., Singh, N.S.,
2016	Geo-spatial Technology for Landslide Hazard Zonation and Prediction	Environmental Applications of Remote Sensing, ISBN 978-953-51-2444-3,281-308	Shukla, D. P., Gupta, S., Dubey C. S., Thakur, M.
2015	Tectonic studies and crustal shortening across Easternmost Arunachal Himalaya	Journal of Asian Earth Sci. 50: 128-140	Ningthoujam, P.S., Lolee, L.K., Shukla, D.P., Naorem, S.S., & S.K. Singh
2014	GIS-based morph-tectonic studies of Alaknanda river basin: a precursor for hazard zonation.	Natural Hazards, vol. 71, no. 3; pp. 1433-1452. I.F. 1.96	Shukla D.P., Ningreichon A.S., Singh R.P., Mishra B.K. and Singh S.K.
2014	Concentration of arsenic by selected vegetables cultivated in the Yamuna flood plains (YFP) of Delhi, India. Environmental	Environmental Earth Sciences November 2014, Volume 72, Issue 9, pp 3281–329	Mishra B.K., Shukla D.P., Bhattacharya P. and Usham A.L.

2013	Orographic control of the Kedarnath disaster.	Current Science, vol. 105, no. 11; pp. 1474-1476.,	Shukla D.P., Singh N.P. and Usham A.L.
2013	Implications for the origin and assembly of Himalayan rocks U-Pb zircon geochronology of major Lithologic units in the eastern Himalaya	Bull. Geol. Soc. Amer. vol.125, no. 3-4; pp. 499-522; doi: 10.1130/B30626.1	Web A. A. and Yin A.
2013	Holocene shortening across the Main Frontal Thrust Zone in the Eastern Himalaya:	Earth Planetary Sciences Lett. Vol. 357-358, pp. 152-167.	W. Paul Burgessa, An Yin, Thomas K. Kelty and Zheng-Kang Shen
2013	A New Slope Mass Rating in Mountainous Terrain, Jammu and Kashmir Himalayas: Application of Geophysical Technique in Slope Stability Studies	Landslides, Vol. 10, pp. 255–265, doi: 10.1007/s10346-012-0323-y	Singh, R.P., Singh S. K., Shukla D. P., Mishra B. K., Tajbakhsh M., Ningthoujam P., Sharma M., and Singh N
2012	Contemporary Groundwater Pollution Studies in India: A Review.	Proc Indian National Science Academy, vol. 78 no. 3, pp. 333-342	Banerjee, D. M., Mukherjee, A., Acharyya, S. K., Chatterjee, D., Mahanta, C., Saha, D., Kumar, S., Singh, M., Sarkar, A., Shukla, D. P. and Raju, N. J.
2012	Source of arsenic Contamination in Kakching area, Manipur.	Annual International Conference on Geological and Earth Sciences (GEOS-2012), pp. 82-86. doi: 10.5176/2251-3361-GEOS12.53	Usham, Arnold L., Ningthoujam, P.S., Mishra, B.K., Shukla, D.P., Singh, R.P., Naorem, S.S., Thoithoi, L., Singh, N.
2012	Present activity and seismogenic potential of Himalayan parallel Thrust faults in Delhi: Inferences from Remote sensing, GPR, gravity data and seismicity	Near Surface Geophysics, Vol.11 No.5, p.369-380. doi: 10.3997/1873-0604.2012006	Shukla, D.P., Singh, R.P., Sharma, M., Singh, N.P. and Bhola, A.M.

2012	Origin and Serpentinization of ultramafic rocks of Manipur Ophiolite Complex in the Indo-Myanmar Subduction Zone, Northeast India.	Journ. of Asian Earth Sci. 50: 128-140 doi:10.1016/j.bbr.2011.03.031	Ningthoujam, P.S., Guillot, S., Fagion, A.S., and D.P. Shukla
2012	Neotectonic activity and the origin of Tso Morari Lake using remote sensing and DEM derivative techniques.	Geocarto International, 27(3), 249-262 doi:10.1080/10106049.2011.642412	Shukla, D.P. and Neel Rattan Singh
2012	Anthropogenic arsenic menace in Delhi Yamuna Flood Plains.	Environ. Earth Sci. 65:131–139. Sci., Springer-Verlag.; doi: 10.1007/s12665-011-1072-2	Mishra, B.K., Shukla, D.P., Singh, R.P., Tajbakhsh, M. and Sakhare, P.
2011	Geochemical and Geochronological data from Charnockites and Anorthosites from India's Kodaikanal-Palani Massif, Southern Granulite Terrain, India.	Topics in Igneous Petrology (ed. J.S.Ray et al.) (M.K. Bose Volume), Springer, pp. 383-417, ISBN 978-90-481-9599-2. doi: 10.1007/978-90-481-9600-5	Catlos, E.J., Sayit, K. & Sivasubramanian, P.
2010	Sources and Control of Arsenic Contamination in groundwater in Rajnandgaon and Kanker Distt. Chattisgarh, Central India.	Journal of Hydrology, 395(1) pp. 49-66, (Ranked 4 <sup>th</sup> in world), Elsevier's doi: 10.1016/j.jhydrol.2010.10.011	Shukla, D. P., Ningthoujam, P.S., Tajbakhsh, M. & Chaudhry, M.
2010	Geologic Correlation of the Himalayan Orogen and Indian Craton (part 2): Structural Geology, Geochronology and Tectonic Evolution of the Eastern Himalaya.	Bull. Geological Society of America 122 (3/4) pp.360-395. e doi: 10.1130/B26461.1	Yin, A., Kelty, T.K., Webb, A.A.G., Harrison, T.M., Chou, C.Y., C��lerier, Julien & Burgess, W.P.
2010	Geologic Correlation of the Himalayan Orogen and Indian Craton (part 1): Structural Geology, U-Pb Zircon Geochronology, and Tectonic Evolution of the Shillong Plateau and its Neighboring Regions in NE India.	Bulletin Geological Society of America 122 (3/4), pp.336-359; doi: 10.1130/B26460.1;	Yin, A., Webb, A.A.G., Grove, M., Gehrels, G.E & Burgess, W.P.

## Conference/ Presentations

- Geo-disaster of 4<sup>th</sup> January, 2016 6.7 Mw Manipur earthquake: A geological report, Three day International Workshop organized by DRP, JNU, MU, NIDM, MSMA
- Tectono-geomorphic parameters, sediment yield and discharge rates of rivers and Orography as precursors to Himalayan Disasters, Invited Lecture, Abstract, Vizag, 2016
- Research Methodology through Internet Access using Scopus, Web of science, Scirus etc. at academic staff college, Shimla 2008.
- Microzonation of Earthquakes in Delhi and Arsenic contamination in Yamuna Flood plains, Lt. Governor and administrators, Delhi Office 2008.
- Active tectonics and origin of Tso Moriri Lake observed by Remote sensing and GIS techniques, Extended Abstracts, 23rd HKT Workshop, India 2008.
- Tectonic Climate relationship and Large Scale Landscape Development in Sikkim Himalaya, Earth Science Department, Joseph Fourier University, Grenoble, France 2007.
- Natural and Anthropogenic Arsenic in Chhatisgarh and Delhi Area, Indo-French CEFIPRA Seminar, Ahmedabad 2007.
- EIA and EMP of three Hydro Electric Projects in Sikkim Himalayas; A Consultants view, Oklahoma State University (OSU), USA, 2005.
- Soils and Environment: Delhi University to Professors of Life sciences UG courses, Sri Vankateswara College, 2005.
- Lectures on Himalayan geology and Environmental Impacts, School of Geology, Oklahoma State University, Oklahoma, USA, April, 2005.
- Lecture on Petrographic Studies (Mineralogical and Textural) related to Alkali-Silica relations at training course on "Concrete Technology for Water Resources Structures" organized by CSMRS, New Delhi during February 14 – 18, 2005 at CSMRS, Delhi.

## Total Publication Profile

### Books and Field Guide

- **Existing Tools and Mapping Software's in Geospatial applications**, 102p. ABC press, Delhi(December, 2007) (related to RS and GIS)
- **Construction of Cenozoic Arunachal Himalaya by Thick skinned Thrust Stacking of Indian Basement : A Field trip Guide for Bhalukpong-Zimithan Geologic Traverse, Arunachal Himalaya**, 41p, Department of Geology, University of Delhi, Delhi-110007 (2006)
- **Geoenvironmental Indicators and Related Environmental Studies: Focus on India, (K.B. Powar Volume)** Pilgrims Publishers. (2002)
- **Journal of Asian Earth Sciences, Volume 20 Number 4A Special Abstract Issue of 17<sup>th</sup> HKT, Sikkim, India** (Pergamon Press) (2002)
- **Indian Standard IS 2386 (Part 8): Method of Test for Aggregates for Concrete - Petrographic Examination (Draft) for Bureau of Indian Standards.**

### Published (Before 2010)

- **Dubey, C.S., Villa, I.M., and Ningthoujam, P.S., 2009**, Petrochemistry and Origin of K-rich Syenites in Sikkim, Eastern Himalayas; in Magmatism, Tectonism and Mineralization editor Santosh Kumar, Macmillan Publishers. pp.56-73.
- **Cina, Sara E., Yin, A., Grove, M., Dubey, C.S., Shukla, D. P., Lovera, O. M., Kelty, T. K., Gehrels, G. E., Foster, D.A. 2008.** Gangdese Arc Detritus within the Eastern Himalayan Neogene Foreland Basin: Implications for the Neogene Evolution of the Yalu-Brahmaputra River System. pp.150-162. Earth Planetary Science Letters, 285 (1 -2) doi:10.1016/j.



- **Catlos, E.J, Dubey,C.S., and Sivasubramanian,P., 2008**, Monazite ages from carbonatites and high-grade polytic assemblages along the Kambam fault: Implications for the tectonic history of India's South Granulitic terrain. *American Mineralogist*, Vol. 93, No. 8-9, pp.1230-1244.
- **Catlos, Elizabeth J. and Dubey, Chandra Shekhar and Marston, Richard A. and Harrison, T. Mark (2007)** Geochronologic constraints across the Main Central Thrust shear zone, Bhagirathi River (NW India): Implications for Himalayan tectonics: In Cloos, M., Carlson, W.D., Gilbert, M.C., Liou, J.G., and Sorensen, S.S., eds. In: *Convergent Margin Terranes and Associated Regions: A Tribute to W.G. Ernst: Geological Society of America. GSA Book Series, Special paper, 419 (419). Geological Society of America, Boulder, CO, USA, p. 135-151.*
- **Sharifikia, M., Dubey, C.S., Chaudhry, M., Sharma, B.K., Champatiray, P.K., 2006**, Mapping of Fault Rupture of the 28 May 2004 Iran Earthquake (M = 6.2) Using Satellite Image, *Journal of the Indian Society of Remote Sensing*, Vol. 34, No. 4, p 423-429.
- **Yin, A., Dubey, C.S., Kelty, T.K., Gehrels, G.E., Chou1, C.Y., Grove, M., and Lovera, O., 2006**. Structural Evolution of the Eastern Himalaya and its Implications for Asymmetric Development of the Himalayan Orogen, *Current Science*, Vol. 90 (2) p 195-206.
- **Dubey, Chandra S., Chaudhry Manoj K., Sharma, B. K., Bharti, Ashutosh R, Pandey, Arvind C, Singh Bhoop, 2005**. An integrated approach for a 3-D modeling for landslide prediction in mountainous terrain – A case study of Chandmari landslide, Sikkim eastern Himalayas, *Geoscience Journal, Korea* Vol. 9 (4) p 363-373, Most Downloaded article in the Journal since 2006 to present.
- **Dubey, Chandra S., Catlos, E.J., and B. K. Sharma. 2005**; Modeling of P-T-t paths constrained by mineral chemistry and monazite dating of Metapelites in Relationship to MCT activity in Sikkim, Eastern Himalayas, in *Metamorphism and Crustal Evolution*.p243-275 (H. Thomas Edn. Atlantic Publishers, New Delhi, 389p. ISBN 81-269-0436-4).
- **Pandey, A.C., Saklani, P.S. and Dubey, C.S., 2005** Geological and morphotectonic studies using Satellite Images Techniques of Tehri, Uttarkashi, a part of Garhwal Himalayas, in *Himalaya (Geological Aspects)*, Vol. III p.153-171, (P.S. Saklani Edn. Delhi, Satish Serial Publication, 2005, 341p. ISBN 81-89304-04-6).
- **Catlos, E. J, Dubey, Chandra S., and Harrison, T. M., Edwards, M. A. 2004**. Late Miocene movement within the Himalayan Main Central Thrust shear zone, Sikkim, north-east India, *Journal of Metamorphic Geology*, Vol.22, p.207-226 Blackswell.
- **Dubey, Chandra S.,Venkatachalam, K, Ratnam, M., Shekhar, P. 2004**. Investigation into the Causes of seepage Water in Drainage and Grouting Galleries of Pandoh Dam (H.P.), *Bull. Engg. Geol. Env., Vol. 63,p.19-23 Springer*,

### Other Significant publications

- **Dubey, C. S., Pattanayak, S. K., Sharma, B. K. and Sirohi, A. K. 2002**. Groundwater Pollution in the satellite city Faridabad, India. *Geoindicators and related Environmental Studies: Focus on India (K B Powar Volume) (C. S. Dubey and P. S. Saklani, Edn. Pilgrims Publishers, Kathmandu, Nepal), 47-56.*
- **Pandey, A. C., Dubey, Chandra S., 2002**. Terrain mapping and Evaluation in Himalayas using Remote Sensing and GIS Techniques-A Case Study from Tehri Dam and its Environs. *IAPRS and SIS Vol.34 No.7 p.105-108.*
- **Pandey, A. C., Dubey, Chandra S., 2002**. Structural Analysis of Lineaments using Remote Sensing techniques in a part of Lesser Garhwal Himalayas, Tehri Uttarkashi District. *IAPRS and SIS Vol.34 No.7 p.173-176.*
- **Pandey, A. C., Dubey, C.S., Saklani, P.S. 2002**. How safe is Tehri Dam from Landslide Hazards? A Remote Sensing & GIS based analysis of Tehri Dam Environs. *Proceedings Fifth ESRI India Users Conference, Paper 29, 1-11.*
- **Dubey, C. S., Sahoo, B. K., Nayak, N.R. 2001**. Chromium (VI) in Waters in Parts of Sukinda Chromite Valley and Health Hazards, India, *Bulletin of Environmental Contamination and Toxicology, Sringer-Verlag, 67(4), 541-548.*
- **Dubey, C. S. 2000**. Geological Studies of Metamorphic rocks in the vicinity of M.C.T/ Lesser Himalayan Shear Zone, parts of Sikkim Himalayas. *Earth Science Frontiers*.7, 33-35.
- **Singh, V. K., Singh, S. P., Saklani, P. S., Dubey, C. S. 1998**. Mesostructures and deformational history of Central Crystallines : an example from Garhwal Himalayas, India., *Journal Nepal Geological Society* 17, 59-69.
- **Dubey, C. S. 1994**. Prophyroblast Growth and Chemical Zoning of Garnets in relation to P-T-t paths in the Eastern Himalayas, India. *Jr. Nepal Geological Society* 10, 36-37.
- **Dubey, C. S., 1989**. Geothermal Resources of India, Prospects and Problems of Future Utilisation, *Jour. Geothermal Resource Society of Japan*. 11 (3), 239-243.
- **Dubey, C. S., 1988**. Development and Role of Geothermal Resources of India. *Geothermics* 17 (2/3) 451-460. Pergamon Press
- **Dubey, C. S. 1983**. Effects of fluorine substitution in the structure of Biotite from Sikkim, India. *Acta Ciencia Indica* : 9(2), 41-45.



## Extended Abstracts/posters

- **Dubey, C.S., Tajbaksh, M., Marston, R.A., Catlos, E.J., Singh, S., Shukla, D.P., Singh, R.P., Ningthoujam, P.S. and Rogibala, M. (2010)** Tectono-Geomorphic and Climatic Controls on Landscape Development in the Lesser Himalaya. **25<sup>th</sup> HKT (Himalaya Karakoram-Tibet) Workshop, San Francisco State University, USA.**
- **Luthra, Tarun, Dubey, C.S., Ningthoujam P.S., Sukhla, Dericks P., and Singh, Neelratan, 2010,** Assessment of Glacial lake Hazards through remote sensing in Sikkim. AOGS, Hyderabad.
- **Singh, Neelratan, Dubey, C.S., Ningthoujam P.S., Shukla, D.P., and Tajbaksh Syed M., 2010,** Physical Weathering and its Relation to Climate and Tectonics in Satluj River Valleys (Himachal Pradesh). AOGS, Hyderabad.
- **Catlos, E.J., Kaan,S., Dubey,C.S., and Sivasubramanian, P., 2009,** Geochemical and Geochronological Data from Charnockites and Anorthosites from India's Kodaikanal-Palani Massif, South India Granulite Terrain, India Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 338.
- **Burgess, W.P., Yin, A. and Dubey, C.S., 2009,** Quaternary Shortening Rates across the Main Frontal Thrust Zone of the Eastern Himalaya suggest an eastward increase in convergence across the Himalaya. Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 299.
- **Cina, S., Yin,A., Grove,M., and Dubey,C.S., 2009,** Miocene Capture of the Yalu(Yarlung) river by the Paeo-Subansiri River: Evidence from detrital Zircon U-Pb Geochronology and sedimentology in Eastern Himalaya Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 41.
- **R. P. Singh, C. S. Dubey, Ningthoujam, P.S., N. Singh, M. Tajbaksh, M. Chaudhry and B. K. Mishra, 2009,** A new Slope Mass rating in mountainous terrains, J&K Himalayas: Application of Geophysical technique in Slope, Accepted Extended Abstract 24<sup>th</sup> HKT, Beijing, China.
- **Dubey, C. S. and Shukla, D.P., 2008** Active tectonics and origin of Tso Moriri Lake observed by Remote sensing and GIS techniques, Journal of Himalayan Science 5(7) 47-48, Extended Abstracts, 23<sup>rd</sup> HKT Workshop, India.
- **Yin, A., Dubey, C.S., Webb, A.G.G, Verma,P.K., Kelty,T.K., and Harrison,T.M., 2008** The Central Crystallines Around Hapoli, Subansiri, Eastern Himalayas, Himalayan Journal of Science Vol.5(7),174-175, Extended Abstracts, 23<sup>rd</sup> HKT Workshop, India.
- **Kelty, T. K., Yin, A., Dubey, C. S., Web, A. G. G., Harrison, M., Chou, C. Y. and Celerier, J., 2008,** Structural Geology, Geochronology and Tectonic Evolution of the Eastern Himalaya: Implications for the Geologic Correlation of the Himalayan Orogen and Indian Craton, GSA Joint Annual meeting, 5-8 October, 2008. Geological Society of America Abstracts with Programs, Vol. 40, No. 6.
- **Cina, S., Yin, A., Grove, M., Dubey, C. S., and Shukla, Dericks P., 2008,** Gangdese Arc Detritus in the Eastern Himalayan Foreland Basin: Implications for the Evolution of the Yalu-Brahmaputra River System, EOS Trans. AGU 89(53) Fall meet. Suppl. Abstract T33D-2091.
- **Yin,A., Dubey,C.S., Kelty,T.K., Webb,A., Gehrels,G., Harrison,T.M., Celerier, J. and Dai,J. 2007** Construction of the Eastern Himalaya by Thick-skinned Thrust Stacking of the Indian Basement: No Lower Crustal Flow from Tibet is Needed, AGU 88(52) Fall meet. Suppl. Abstract T34C-09.
- **Burgess, W.P., Yin, A. and Dubey, C.S., 2007** Geometry and Kinematics of Quaternary Fault and Fold Growth Along the Northeastern Himalayan Front: Implications for Himalayan Drainage Development and Active Expansion of the Himalayan arc. AGU 88(52) Fall meet. Suppl. Abstract T23D-1648.
- **Cina, S., Yin, A, Gehrels, G., Marty, G., and Dubey, C. S., 2007,** Detrital Zircon Geochronology of Tertiary and modern sediments in the Eastern Himalayas: Implications for large Scale Drainage Reorganisation, GSA Annual Meeting, Denver.
- **Catlos, E. J., Dubey, C. S., Sivasubramanian, P., 2006,** Documenting Neoproterozoic to Devonian events within India's Southern Granulite Terrain using in situ ion microprobe monazite geochronology. Geological Society of America Abstracts with Programs 38(7) 420.
- **Catlos, E.J., Dubey, C.S., Harrison,T.M. 2006,** From Mineral Grain to Mountain Range: X-ray Microanalysis, Geochronology, and Himalayan Geology. Microscopy & Microanalysis 2006 Meeting, Chicago, Illinois.
- **Catlos, E.J., Dubey, C.S., Marston, R.A., Harrison, T.M., 2005,** Monazite Records of Deformation within the Himalayan Main Central Thrust Shear Zone, NW India, Goldschmidt Conference Abstracts 2005 Accessory Mineral Geochemistry II, A 28.
- **Catlos,E.J., Sivasubramanian, P., Dubey,C.S., 2005,** In situ ion microprobe monazite and zircon ages from India's Southern Granulite Terrain. Eos Trans. AGU, 86(52), Fall Meet. Suppl., Abstract GP11A-0011.
- **Wakefield, K., Catlos, E.J., Janardhan, A.S., Sivasubramanian P., Dubey, C.S., 2004,** Electron Microprobe Analysis of the Oddanchatram Anorthosite, Southern India: A Lunar Analog, AGU

- **Yin, A., Dubey, C.S., Kelty, T.K., Gehrels, G.E., Chou1, C.Y., Grove, M., and Lovera, O., 2004**, Structural framework of the westernmost Arunachal Himalaya, NE India, 19<sup>th</sup> HKT Japan.
- **Dubey, C. S., Sharma, B. K., Catlos, E. J., Marston, R. A. 2004**, Out-of Sequence Thrusting and modification of Wedge Extrusion and Channel Flow models, 19<sup>th</sup> HKT Japan.
- **Kelty T.K., Dubey, C.S., Yin, A., 2004** Structure and crustal shortening of the Subhimalayan fold and thrust belt, western Arunachal Pradesh, NE India, 19<sup>th</sup> HKT, Japan.
- **Dubey, C. S., Gupta, G. D., Sharma, B. K. and Catlos, E. J. 2003**; Seismicity related neotectonic activity, uplift and erosion of Lesser Himalaya in between MCT and MBT: Signature of detachment thrust. Abstract volume, 18<sup>th</sup> Himalaya Karakoram-Tibet workshop, Monte Verita, Switzerland.
- **Catlos, E.J., Dubey, C.S., Marston, R.A., Harrison, T.M., 2003**. Moving Mountains: Reactivation of the Himalayan Main Central Thrust at 4Ma, Bhagirathi River, NW India. Geological Society of America Abstracts with Programs Paper 60243.
- **Benjamin Holland, Richard A. Marston, A.C. Pandey, C.S. Dubey, Elizabeth J. Catlos, 2003**. Geomorphic Evidence of Tectonic Activity: MCT Zone of the Garhwal Himalaya, India, Geological Society of America Abstracts with Programs Paper # 60073.
- **Yin, A., Harrison, T. M., Dubey, C. S., Sharma, B. K., and Webb, A., 2003**. The Kumharsain shear zone in the Garhwal Himalaya, a segment of the folded South Tibet Detachment south of the Greater Himalayan Crystallines? Geological Society of America Abstracts with Programs Paper # 62487.
- **Catlos, E. J., Harrison, T. M., Dubey, C. S., Edwards, M. A. 2002**. P-T-t Constraints on the Evolution of the Sikkim Himalaya, Jour. Asian Earth Sci., Vol. 20 Number 4A Special Abstract Issue of 17<sup>th</sup> HKT, Sikkim, India (Pergamon) p. 6-7.
- **Edwards, M. A., Catlos, E. J., Harrison, T. M., Dubey, C. S., 2002**. We seek him now, we sought him then: 70 years of constraints on the STDS in Sikkim, Jour. Asian Earth Sci., Vol. 20 Number 4A Special Abstract Issue of 17<sup>th</sup> HKT, Sikkim, India (Pergamon Press) p. 11-12.
- **Pandey, A. C., Dubey, C. S., Saklani, P. S. 2002**. Geoenvironmental Factors of the Tehri Dam Reservoir Rim: Aspects on Terrain Evaluation, Jour. Asian Earth Sci., Vol. 20 Number 4A (Pergamon Press) p. 28-30.

## Research Contribution

<b>Editor in Chief</b>	International Journal of Advancement in Earth and Environmental Sciences, <b>IROSSS (ISSN: 2321-9149)</b>
<b>Editor</b>	Journal of Geology and Mining Research (JGMR), <i>International Academic Journals</i> , during <b>2011-12</b>
<b>Chief Reviewer</b>	Journal Geological Soc. India, Macmillan, Springers, Geocarto Internationals, Computer and Geosciences etc.

## Patent Filed

File No. 4145/DEL/2015

*Arsenic Treatment Technology in Contaminated Water with Scolecite. Publication Date 08/01/2016*

## Public Service / University Service / Consulting Activity

### Public Service

#### Contributions to the science of learning

2016	<b>Speaker</b> , Two- day National Conference on Distance Education in India: Emerging Challenges and prospects, Sept. 8-9, 2016 Org organised by Directorate of Distance Education, Pondicherry University.
2013	<b>Chairman, Session and deliver lecture on</b> Tectonic-climate relationships in Himalaya and Orography as Precursors to Cloudburst, Flash Floods and Geohazards; Impact on Climate Change at International Conference on "Climate Change and the Himalayas: Current Status and Future Perspective" at NPL, Delhi (28-31 <sup>st</sup> October 2013)
2013	<b>Expert Member</b> , Uttarakhand Disaster Task Force, Ministry of Science and Technology, Govt. of India.
2013	<b>Expert Member</b> , National Steering Committee, NRDMS, Ministry of Science and Technology, Govt. of India.
2011	Invited for discussions on Imja lake South-South Expeditions and Glacial Lake Outburst Hazards Writers Workshop in

	Hindu-Kush Himalayas.
2011	<b>Invited Keynote Speaker</b> on “Business Co-operations and Interactions on University of Excellence in India-A global Perspective at 4 <sup>th</sup> University-Business forum under European Commission, Brussels, Belgium. (23-24 <sup>th</sup> March, 2011).
2010	<b>Chairman</b> , Session on Climate and Tectonics in 25 <sup>th</sup> Himalaya-Karakoram-Tibet Workshop, San Fransisco, USA.
2009	<b>Co-ordinator</b> , 1 <sup>st</sup> MOU Delhi University and Joseph Fourier University, France.
2009	<b>Co-Ordinator</b> , PAC on Seismology, Ministry of Earth Sciences, Govt. of India.
2008	<b>Co-Chairman</b> , Extensional tectonics, 23 <sup>rd</sup> Himalaya-Karakoram-Tibet Workshop, Leh, laddakh, India.
2008	<b>Co-Ordinator and Convener</b> , PAC on Tectonic-geomorphology, DST, Govt. of India.
2007	<b>Convener and Organizer</b> , National Training Workshop on “Existing tools and related mapping software’s in Geological, Seismological, Geomorphological, Remote Sensing & GIS Applications.
2007	<b>Remote Sensing, Computer Laboratory Setup/Software Applications in Geology.</b>
2006	<b>Convener and Organizer</b> , International Workshop and Field Work on Geology and Hazards in Eastern Himalaya Syntaxis and adjoining regions, Itanagar, Arunachal Pradesh.
2004	<b>Chairman</b> , Session on Geomorphology and Environment, 19 <sup>th</sup> Himalaya-Karakoram-Tibet Workshop, Niseko, Japan.
2002	<b>Convener and Organiser</b> , 17 <sup>th</sup> Himalaya-Karakoram-Tibet Workshop, Gangtok, Sikkim, India.

### **Service to professional organizations**

2013 Contd,	<b>Expert Member</b> National Steering Committee, NRDMS, Ministry of Science and Technology, Govt. of India,
2012-2015.	<b>Expert Member</b> , National Expert Appraisal Committee (EAC-1&2) in the Combined Industry Sector for Assessment, evaluation and clearance under the EIA Notification, 2006, Ministry of Environment and Forests, Govt. of India.
2010-13	<b>External Expert Member</b> , Board of Research Studies, Department of Geoinformatics, Kumaon University.
2010	<b>Expert Member</b> , Sub-Committee on Application of Geosciences for weaker Sections, Ministry of Science and Technology (DST), Govt. of India.
2010	<b>Expert Member</b> , Geohazards (Landslides, Tsunamis etc.) Ministry of Science and Technology (DST), Govt. of India.
2010	<b>Expert Member</b> , Jubilee Awards (Golden and Diamond) West Zone Colleges, UGC, for Awarding Rs. 25-50 Lakhs Grant.
2010	<b>Expert Member</b> , PAC, R&D Panel, Indian National Committee, (CGWB) Ministry of Water Resources, Govt. of India.
2009	<b>Expert Member</b> , Expert Appraisal Committee (EAC)-1 in the <b>Industry Sector</b> for Assessment, evaluation and clearance under the EIA Notification, 2006.
2009	<b>Expert Member</b> , UGC PDF SC/ST fellowship grants.
2009	<b>Expert Member</b> , IMD-EREC, MOES telemetry Network station programme.
2009	<b>Expert Member</b> , Fresh SAP induction review Committee, UGC.
2009	<b>Advisory Expert</b> , UGC SAP programme, Earth sciences, Goa, BHU and Kumaon Universities.
2008	<b>Expert Member</b> , Earth and Environment Sciences, International Projects Appraisal committee, Department of Science and Technology, Govt. of India.
2008	<b>UGC Nominee</b> , Academic Staff College, Shimla.
2008	<b>Expert Member</b> , MOES-ERC Sub-committee on Microzonation of Earthquakes in Delhi.
2008-09	<b>Expert Member</b> , UGC Minor Research Grant (upto Rs. Two lakh), South Central, Central, Western and Northern India in UGC.
2008	<b>Convener</b> , New M.Sc syllabus with semester scheme.
2008	<b>Member</b> , Science faculty, University of Delhi.
2007	<b>Expert Member</b> , E-content proposals in Geology and Environment, CEC-UGC.
2007-08	<b>Expert Member</b> , on DRS, and innovative courses committees (projects of 50lakhs and above) in UGC.
2007	<b>Expert Member</b> , UGC Minor Research Grant (upto Rs. One lakh), Northern India.
2005	<b>Expert Member</b> , DST Group on Microzonation of Earthquakes in Delhi, DST, Govt. of India.

2004	<b>Member, Vision Committee</b> , Department of Geology, University of Delhi.
2004	<b>Member</b> , Co-ordination Committee, Himalaya-Karakoram-Tibet Workshop Series.
2001-02	<b>Expert Member</b> , Standing Technical Advisory Committee, Central Soil and Materials Research Station, Ministry of Water Resources, Govt. of India.
2001-02	<b>Expert Member</b> , R&D Review Committee, Central Soil and Materials Research Station, Ministry of Water Resources, Govt. of India.
1998-02	<b>Expert Member</b> , Dam Safety Review Panel, Govt. of Uttar Pradesh.
1992-96	<b>Expert</b> , National Project Appraisal Committee, Major River Valley projects, Ministry of Environment, Govt. of India.
1996-02	<b>Correspondent Member</b> , Commission on Geological Sciences for environment planning, COGEOENVIRONMENT, Netherlands.
1998-02	<b>President</b> , Panchtatva, NGO for Environmental issues, Regd. Act 1860.
1995-97	B.P. Koirala India-Nepal Foundation <b>Fellow</b> .
1986-87	<b>UNESCO Fellow</b> under Indo-Italian 1986-1987. Technical Co-operation program in Italy

### **University Service**

Feb, 2013 contd.	<b>Director</b> , Campus of Open Learning, University of Delhi
Feb, 2013 contd.	Executive Council Member, University of Delhi
June, 2013-July, 2014	<b>Dean</b> , Faculty of Sciences, University of Delhi
June, 2011-July 2014	<b>Head</b> , Department of Geology, University of Delhi
2012	<b>Chief Election Officer</b> , DUSU elections, University of Delhi
Presently	<b>Chairman</b> , Delhi University Sports Council
Presently	<b>Chairman</b> , Gyanodaya, Conceptualized by Prof. Dinesh Singh VC, DU on Gandhi Ji's train visits
Presently	<b>Vice-Chancellor's Nominee</b> (Chairman, Selection Committee, ARSD College, DU)
Presently	<b>Member</b> , Academic Council, University of Delhi (Present Position)
Presently	<b>Member</b> , University Court, University of Delhi
Presently	<b>Member</b> , Governing Body, ARSD College (Present Position)
Previously	<b>Chairman</b> , Governing Body, Ramjas College, University of Delhi
2011	<b>Chief Returning Officer</b> , DUSU elections, University of Delhi
1987-2001	<b>Officiating Dean and Dy. Dean Students Welfare</b> , University of Delhi.
2009-12	<b>External Expert Member</b> , Board of Research Studies, Department of Geology, Kumaon University.
2008 contd.	<b>Member</b> , Faculty of Science, University of Delhi.
2009	<b>Convener</b> , M. Sc Syllabus, Semester Scheme 2009 Geology, University of Delhi.
2009	<b>Convener</b> , M. Phil, Sub-Committee, Department of Geology, University of Delhi.
1987-93	<b>Convener and Co-Convener</b> , University Post graduate Admissions Committee.
1987-93	<b>Co-coordinator</b> , Centralized Hostels Committee.
1988-90	<b>Chief Election Officer</b> , Delhi University Researchers Association.
1981-83	<b>President</b> , DURA.
1981-82	<b>Member</b> , Academic Council, Delhi University.

## **Consulting Activity**

- Sub-surface geological and geophysical mapping of underground Metro-Rail Corridor, Delhi Metro Railways Corporation.
- Environmental Assessment, geological and Geotechnical studies in Tripura Oil and gas field.
- Petrographic examination of Coarse and fine aggregates for use as construction material in various Hydraulic structures, CSMRS, Ministry of Water Resources, Government of India.
- Petrographic examination of Coarse and fine aggregates for use as construction material in various Rail projects, RITES, Ministry of Railways, Government of India.
- Assessment and Reports on "Environmental Clearance (Geological Expertise)", of various Hydroelectric and River Valley Projects to Ministry of Environment and forests, Govt. of India.
- Arunavati Irrigation project, Maharashtra.
- Baspa Hydroelectric stage II Project, Himachal Pradesh.
- Srisailem Left Bank Canal irrigation and drinking water project, A. P.
- Daulatpura Weir project, for enhancing the hydropower generation at Kadana H. E. Project, Gujrat.
- Sarpadi Multipurpose Project, Mangalore, Karnataka.
- Farraka H. E. Project, West Bengal.
- Loktak H. E. Project, Manipur.
- Bisalpur Project, Tonk, Rajasthan.
- Vishnu Prayag H. E. Project (U.P.).
- Teesta HE project Stage III (Sikkim).

## **Professional Societies Memberships**

- Indian Representative as Member, Himalayan Co-ordination Committee, ILP, UNESCO in Switzerland.
- Member, Health Impacts of Geological Disasters Committee, International Medical Geologists Association, IUGS.

## **Projects (Major Grants / Collaborations)**

### **Major Grants**

2014	Project on Digital Learning under UKERI (UK-India Education Research Initiative) (£ 24 Thousand approx.)
2014	Project on Computer Gaming under UKERI (UK-India Education Research Initiative) (£ 24 Thousand approx)
2013-14	1 year Landside hazard and mitigation mapping as a part of MANU (Mapping Around Neighbourhood of Uttarakhand) project (Rs. 25 Lakhs approx.)
2010-13	Three Years 3-D Modelling of Sub-Surface Data -----relation to seismicity and hydrology for NCR covering parts of Haryana and UP. (46 Lakhs approx.)
2009-10	Six months GPR Survey in Chattarpur Basin studies for microseismic zonation of Delhi (4.5 lakhs).
2007-08	One Year Orographic precipitation in relation to tectono-climate forcing in Sikkim/Himachal Pradesh (University of Delhi, 2.5 lakhs).
2006-08	One Year Arsenic studies in Chhatisgarh and Delhi region. (University of Delhi, 2.5 lakhs).
2005-08	Three Years, Geomorphology and Geodynamics of Metamorphic rocks of Arunachal Pradesh (DCS, DST, Rs. 7.6 Lakhs approx).
2004-07	Three Years, Subsurface Geotechnical and Tectono- Geomorphologic Studies in relation to Seismicity Hydrology for underground planning and Development of National Capital Territory Region of Delhi ( Seismology Div. DST Rs.77 Lakhs approx).

2005-08	Three Years, Geological and Geochemical mapping of Arsenic contamination of Groundwater in Central Indian Province with special reference to seasonal and temporal variation of arsenic level in relation to public health hazards (Major Projects UGC, Rs. 5.45 Lakhs Approx).
2005-06	Two Years, DST-NSF Proposal "Investigations of activity along MCT: Present Geomorphology and Past Slip (DST-grant approx. Rs. 5 lakhs, NSF-grant approx. Rs. 36 Lakhs).
2002-06	Three Years, Study on Alkali-Silica Reaction in strained Quartz bearing aggregates including remedial measures and its impact on stability/durability of the Hydraulic structures". Ministry of Water Resources (Rs. 33 Lakhs Approx).
1996-99	Three Years, The study of K-rich syenites and related rocks in Sikkim and Western Nepal, lesser Himalayas, B.P.Koirala India-Nepal Foundation. (Rs.2.37 Lakhs).

### Collaborations

Himalayan Geology, Geochemistry and Geochronology	<b>David Rowley</b> (Chicago University, USA), <b>E.J. Catlos</b> (Austin University), <b>Richard Marston</b> (Editor, Geomorphology, Kansas State University), <b>Marty Grove</b> (Stanford University), <b>T. Mark Harrison</b> (Australian National University), <b>An Yin</b> (University of California, LA), <b>Tom Kelty</b> (California Institute of Technology), <b>Igor Villa</b> (Bern University) and <b>Pascale Hughes, Mugnier, Stephan Guillot</b> (Grenoble University).
Geothermal exploration	<b>M. Puxeddu</b> (IIRG-Pisa, Italia) and <b>G. Gianelli</b> (IIRG-Pisa, Italia)

### Other Details

#### Recent Thesis Advisor

#### Post-Doctoral Advisor/Mentor

2010	<b>Dr. Mukta Sharma</b>	Seismic hazard Studies of Kangra Region.
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#### Ph. D Thesis Supervisor (Awarded)

2017	<b>A S Ningreihon</b>	Orographic and Tectono-Geomorphic controls of Extreme Events in Alaknanda and Bhagirathi River of Garhwal Himalaya
2017	<b>Arnold Luwang Usham</b>	Source of Arsenic and other toxic elements contamination in Singrauli Industrial Region with special references to GBPS Rihand Reservoir
2015	<b>Neelratan Singh</b>	Climate and Tectono-Geomorphic Controls on Landscaping of Sutlej Valley, Himachal Pradesh (NW Himalaya)
2015	<b>L. Thoithoi</b>	Subsurface Geological and Geotechnical Studies in Relation to Liquefaction Hazards and Seismic Vulnerability in Delhi Region
2014	<b>Ravindra Pratap Singh</b>	Geotechnical, slope stability studies and geochronology studies in parts of Western Himalayas.
2014	<b>Bhupendra Kumar Mishra</b>	Arsenic contamination in the vicinity of Coal belts and related thermal power plants.
2013	<b>Dattatrayam R.S</b>	Analysis of broadband seismological data-application to a few significant Indian Earthquakes
2012	<b>Dericks Praise Shukla</b>	Multi-disciplinary Application of RS and GIS in Hydro geochemical studies for ground water management, monitoring and mitigation of Arsenic contaminated ground water in Central India.
2011	<b>Ningthoujam P. Singh</b>	Origin and Tectonic Evolution of Manipur- Nagaland Ophiolite Belt in Indo-Myanmar Subduction Zone.
2011	<b>S. M. Tajbaksh</b>	Geological studies in Relation to Orographic precipitation in Sikkim and Garhwal Himalayas.

2009	<b>Manoj Chaudhry</b>	Surface and Subsurface Geology of NCR Delhi region with special reference to liquefaction and seismic Hazard studies.
2007	<b>M. Sharifikia</b>	Geohazard Studies in Part of central Alborz, Iran with special reference to landslide and seismic hazard studies.
2001	<b>A. C. Pandey</b>	Geology and Morphotectonics of a part of Lesser Garhwal Himalaya (Tehri-Uttarkashi districts) using Remote Sensing and GIS techniques, Delhi University.
<b><u>Ph. D Thesis</u></b>		
<b><u>Supervisor (Under Supervision)</u></b>		
2014	<b>K.N. Kandwal</b>	Geologic controls on Groundwater Dynamics in parts of Yamuna basin around Faridabad, Haryana, India.
2011	<b>N. Sarju Singh</b>	Slope stability studies near Main Central Thrust Zone in Bhagirathi River Basin.
2012	<b>L.K. Lolee</b>	Geotectonic of Eastern Himalaya
2015	<b>Prem Kumar</b>	Climate and Tectono-Geomorphologic Studies in Himalaya
2016	<b>Koroshen K.</b>	Geotechnical studies in Sikkim Himalaya Region
2016	<b>Zenius Gonmei</b>	Tectonic studies in Easternmost Arunachal Himalaya
2016	<b>Adafro Mao</b>	Landslide Studies in National Highway of Western Manipur
<b><u>M. Phil Dissertation</u></b>		
2009	<b>Ravindra Pratap Singh</b>	Geophysical studies in relation to slope stability in parts of Jammu.
2009	<b>Neelam Verma</b>	Geomorphology and Geodynamic coupling at Orogen scale-A case studies of Western Himalaya.
2008	<b>Bhupendra K Mishra</b>	Arsenic contamination in Delhi Area.
1996	<b>Aditya Sirohi</b>	Geoenvironmental Polluting Systems of Faridabad area, Faridabad District Haryana.
1996	<b>Akhilesh Akhori</b>	Study of Hydrogeology, Soil and Land-use pattern in Ranchi and its adjoining Environs.
1994	<b>M. C. Ghildiyal</b>	Application of cartographic modeling, global positioning system, Remote Sensing in structural geology & hydrogeology in National Capital Territory of Delhi.
<b><u>Review Works</u></b>		
2015	Ph D thesis on active tectonics in the Ram Ganga Basin, Aligarh Muslim University, Aligarh	
2014	Ph.D thesis on Himalayan Geology, Kumaun University, Nainital, Uttarakhand	
2011	Ph.D thesis on SMR on Landslides of Manipur, Manipur University, Imphal etc.	
2010	Ph.D thesis on Geoenvironmental, and Himalayan Studies from, Belgium, IIT Roorkee, Tribhuvan University, Pune University, BITS Messra, MS University, Baroda etc.	
2007-08	Research papers in National and International journals e.g. Macmillan, Springers etc.	
2005-07	Preview of Geological and Nature Media films, CEC-UGC.	
2002-07	Projects from Department of Science and Technology.	
1992-96	Assessment and Review of Reports on "Environmental Clearance (Geological Expertise)", of Various Hydroelectric and River Valley Projects to Ministry of Environment and forests, Govt. of India.	
1986-2005	Central Soil and Material Research Station. Ministry of Water resources government of India. (This includes the petrographic and geochemical investigation and advice of rocks and sand samples for use as construction material in various River Valley Projects.	



<b>Visits Abroad</b>		
<b>UNESCO PARIS</b>	MAY 2017	EDUCATION 2030 Visionary leadership for Digital Transformation Higher education for the sustainable world we want,
<b>USA</b>	September, 2016	Invited for Meeting on World Class Universities and Public Good at UC Berkley
<b>Italy</b>	September, 2014	Special talk, 29 <sup>th</sup> Himalaya- Karakoram-Tibet Workshop. Lucca Italy
<b>United Kingdom</b>	June, 2014	Project In-charge of Computer Gaming under UKIERI West Scotland College
<b>United Kingdom</b>	Jan., 2014	Project In-charge of Digital Learning under UKIERI Edinburgh College
<b>New Zealand</b>	2013	Coordinated from Indian Side for Delhi University Women Football Team.
<b>Nepal</b>	2012	Chaired Session on Geology and Tectonics in 27 <sup>th</sup> HKT Workshop, 28-30 November, 2012
<b>Italy</b>	2012	Invited for workshop on Industrial Pollution, Regulation and Growth: Governance Challenges and Innovation.
<b>Nepal</b>	2011	Invited for discussions on Imja lake South-South Expeditions and Glacial Lake Outburst Hazards Writers Workshop in Hindu-Kush Himalayas
<b>Belgium</b>	2011	Belgium- Invited Keynote Speaker on "Business Co-operations and Interactions on University of Excellence in India-A global Perspective at 4 <sup>th</sup> University-Business forum under European Commission, Brussels, (23-24 <sup>th</sup> March, 2011).
<b>USA</b>	2010	Chaired session on Climate and Tectonics in 25 <sup>th</sup> Himalaya-Karakoram-Tibet Workshop, San Fransisco, USA.
<b>France</b>	2009	Lectures on Active Tectonics, Tectonogeomorphological Studies in Garhwal and Sikkim Himalayas: Role of Out of Sequence thrusting.
<b>France</b>	2007	Lectures on "P-T-t Path, Active Tectonics and Orographic precipitation in Erosional unloading of Sikkim Himalayan Landscape.
<b>USA</b>	April, 2006	Lectures and analytical studies on Arsenic and chemical zoning studies using Cameca Ion Probe 1270 and EPMA at ESS, UCLA and School of Geology, OSU.
<b>USA</b>	April, 2005	Lecture and analytical studies on Cameca Ion Probe 1270 and EPMA at ESS, UCLA and School of Geology, OSU.
<b>Japan</b>	July, 2004	Chaired Session and presented paper in the 19 <sup>th</sup> HKT Workshop held in Niseko, Japan.
<b>Iran</b>	29 <sup>th</sup> May-8 <sup>th</sup> June, 2004	Lectures at Ministry of Science and Technology and Institute for Disaster Management.
<b>USA</b>	June, 2003	Lecture on Geological and Seismic Studies in parts of Garhwal and Himachal Himalayas at University of California, Los Angeles.
<b>Switzerland</b>	2-4 <sup>th</sup> April, 2003	Paper presented in the 18 <sup>th</sup> HKT Workshop held in Ascona, Switzerland.
<b>Austria</b>	3-6 <sup>th</sup> April, 2001	Paper presented in the 16 <sup>th</sup> HKT Workshop held in Graz, Austria.
<b>China</b>	22-24 <sup>th</sup> April, 2000	Paper presented in the 15 <sup>th</sup> HKT Workshop held in Chengdu, China.
<b>Italy</b>	28 <sup>th</sup> March 1999	Lecture delivered on Geological and Environmental Studies of Sikkim Himalayas at IIRG, Pisa.
<b>Germany</b>	24-26 March 1999	Paper presented in 14th Himalayan-Tibet-Karakoram Workshop held in Kloster Ettal, Germany.
<b>Switzerland</b>	4-10 April, 1995	Paper presented in 10th Himalayan-Tibet-Karakoram Workshop held in Ascona, Switzerland.
<b>Nepal</b>	April 1994	Paper presented in 9th Himalayan - Tibet - Karakoram Workshop held in Kathmandu.
<b>Japan</b>	24 August to 8 September 1992	Paper presented in International symposium on Geothermal Energy held in Kumamoto-Beppu November 10-14 1988 & Kyoto-Matsue.
<b>Italy</b>	1986-87	International School of Geothermics, Pisa, Italy, on training in Geothermal Exploration by UNESCO sponsored Indo-Italian technical Co-operation program.

## Trainings

- Training in Datamine Geoexploration Software.
- Training on computer applications in GIS mapping and remote sensing, at Rolta India Ltd. 1995.
- Workshop on Application of Phase Equilibria studies in Department of Geology, University of Delhi, and March 1991.
- Attended UNESCO sponsored training on "Geothermal Exploration" under Indo-Italian Technical Co-operation program, Pisa, Italy. Nov.15, 1986 - June 30, 1987.
- Attended Summer Institute on scientific and industrial applications of "Ore Microscopy" sponsored by University Grants Commission at Indian School of Mines, Dhanbad, and May 20- June 9, 1984.

## Other Activities

**Interviewed in all major National TV channels** e.g. Star News, Zee Prime time, Zee News, Sahara, Jain and Siti channel on the Gujarat Earthquake and other Environmental Issues.

**Panelist**, Interlinking of Rivers: Prospects and Challenges, 1st National Summit, HUDCO Bhawan, IHC.



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