RESEARCH PUBLICATIONS

Papers Published

Apel, E., Burgmann, R., Banerjee, P. &. Nagarajan, B. Geodetically constrained Indian Plate motion and implications for plate boundary deformation. *EOS Trans. AGU*, **85**(52), Fall Meeting Supplement, T51B-1524, 2006

Arora, B.R., Unsworth, Martyn J. & Rawat, Gautam 2007. Deep resistivity structure of the Indian Northwestern Himalaya and its tectonic implications. *Geophys. Res. Lett.*, **34**, L04307, doi:10, 1029/2006GL029165

Azmi, R.J., Joshi, D., Tiwari, B.N., Joshi, M.N., Mohan, K. & Srivastava, S.S. 2007. Age of the Vindhyan Supergroup of central India: an exposition of biochronology vs. radiochronology. *In:* Sinha, Devesh (ed.), *Micropaleontology: Application in Stratigraphy and Paleocenography*. Narosa Publishing House, New Delhi, India : 29-62.

Bajpai, S., Kapur, V.V., Thewissen, J.G.M., Das, D.P., Sharma, Ritu & Tiwari, B.N. 2006. New early Eocene Cambaytheres (Perissodactyla, Mammalia) from the Vastan Lignite Mine (Gujarat, India) and an evaluation of Cambaythere relations. *J. Palaeontol. Soc. Ind.*, **51**(1), 101-110.

Bajpai, S., Thewissen, J.G.M., Kapur, V.V., Tiwari, B.N. & Sahni, Ashok 2006. Eocene and Oligocene Sirenians (Mammalia) from Kachchh, India, *J. Vertebr. Paleontol.* USA, **26**(2), 400-410.

Banerjee, P., Pollitz, F. & Burgmann, R. 2007. Coseismic slip distribution of the 26 December 2004 Sumatra-Andaman and 28 March 2005 Nias earthquakes from GPS static offsets. *Bull. Seism. Soc. Am.*, **97**, 1A, S1-S, January, 2007, doi: 10.1785/ 0120050609

Banerjee, P., Pollitz, F., Burgmann, R., & Grijalva, K. 2006. Post-seismic deformation following the great 2004 Sumatra-Andaman and 2005 Nias earthquakes from GPS data. *EOS Trans. AGU*, **87**(52), G31A01.

Chaujar, R.K. 2006. Lichenometry of yellow *Rhizocarpon geographicum* as data base for the recent geological activities in Himachal Pradesh. *Curr. Sci.,* **90** (11), 1552-54.

Chaujar, R.K. 2006. Effects of Climatic changes on the advance and retreat of the Dokriani Bamak (glacier), Garhwal Himalaya, India. *In:* Proceedings of *5th European Congress on Regional Geoscientific Cartography and Information System, Barcelona, Spain*, **1**, 320-21.

Choubey, V.M., Mukherjee, P.K., Bajwa B.S. & Walia, V. 2007. Geological and tectonic influence on water-soil-radon relationship in Mandi-Manali area in Himachal Himalaya. *Environ. Geol.,* D.O.I. 1-0.1007/s00254-006-05530-1. (on line first).

Choubey, V.M., Bartarya, S.K. & Ramola, R.C. 2006. Geological Controls on Radon in Soil and water of Pithoragarh region, Kumaun Himalaya, India. *In:* Barnet, I., Neznal, M. & Pacherova, P. (eds.), *Geological Aspects of Radon Risk Mapping*. Czech Geol. Surv., Prague., 72-78.

Dubey, A.K. & Bhakuni, S.S. 2006. Younger hanging wall rocks along the Vaikrita Thrust of the High Himalaya: a model based on inversion tectonics. *J. Asian Earth Sci.,* **29**, 424-429.

Devi, Mrinalinee & Singh, T. 2006. Morphotectonic setting of the Ganga Lake, Itanagar Capital complex, Arunachal Himalaya. *Geomorphology*, **76**, 1-11.

Ghosh, P., Sayyed, M.R.G., Islam, R. & Hundekari, S.M. 2006. Inter-basaltic clay (bole bed) horizons from Deccan traps of India: Implications for palaeo-weathering and palaeo-climate during Deccan volcanism. *Palaeogeogr. Palaeoclim. Palaeoecol.*, **242**, 90-109.

Gupta, Vikram 2006. Landslide Hazard Zonation Mapping in the Himalaya: A case study from Satluj Valley, Himachal Pradesh. *In:* Sharma, K.K., Bandooni, S.K. & Negi, V.S. (eds.), *Environmental Geo-Hazards: Science and Society*. Research India Press, New Delhi, 102-116

Islam, R., Rao, D.R., Gururajan, N.S., Rai, H. & Khanna, P.P. 2006. Geochemical, Geochronological and Petrogenetic studies of the granitoid of Tso-Morari Crystalline complex, Ladakh, Jammu & Kashmir. *J. Geol. Soc. India*, **68**, 72-86.

Joshi, D., Azmi, R.J. & Srivastava S.S. 2006**.** Earliest Cambrian calcareous skeletal algae from Tirohan Dolomite, Chitrakoot: a new age constraint for the Lower Vindhyan. *Gondwana. Geol. Magz.* **21**(2), 73-82.

Jowhar, T.N. & Srivastava, V. 2006. Propagation of uncertainties in Geothermobarometry. *Indian J. Geochem.,* **21(**1), 129-138

Khattri, K.N., Kumar, D. & Sriram, V. 2006. A small step towards making National capital region safer from seismic hazard. *Curr. Sci.*, **91**(12), 1600-1601.

Kumar, R., Suresh, N. & Sangode, S.J. 2007. Differential features of alluvial fans in the Pinjaur-Soan Dun, NW Himalaya, India: Controlling factors. *Him. Geol.*, **28**(1), 37-46.

Kumar, R., Suresh, N., Sangode, S.J. & Kumaravel, V. 2007. Evolution of quaternary alluvial fan system in the Himalayan foreland basin: implications to tectonic and climatic decoupling. *Quatern. Int.*, **159**, 6-20.

Kumarvel, V. Sangode, S.J., Kumar, R. & Siddaiah, N.S. 2007. Pedogenic variations in the Plio-Pleistocene Siwalik paleosols from the Subathu sub-basin, NW Himalaya, India. *Him. Geol.*, **28** (1), 47-61.

Luirei, Khayingshing 2007. Slope failures in the Main Boundary Thrust zone along Siang Valley between Pasighat and Rengging, East Siang District Arunachal Pradesh. *J. Geol. Soc. India*, **69,** .858-861.

Mahajan A.K. 2006. Seismicity, Seismotectonics and seismic hazard of 1905 Kangra Earthquake effected region (NW Himalaya), India. *In:* Sharma, K.K., Bandooni, S.K. & Negi, V.S. (eds.), *Environmental Hazards Science & Society*. Research India Press, New Delhi, 65-86.

Mahajan A.K., Kumar, N. & Arora, B.R. 2006. Quick isoseismal map of 8th October, 2005 Kashmir Earthquake. *Curr. Sci.,* **91**(3), 356-361.

Mahajan A.K., Sporry, R.J., Champati, P.K., Rajiv Ranjan, Siefko Slob & Westen Cees Van 2007. Methodology for Site response studies using Multi-channel Analysis of Surface Wave (MASW) Technique in Dehradun city. *Curr. Sci.*, **92,** 945-955.

Mukherjee, P.K., Purohit, K.K., Saini, N.K., Khanna, P.P., Rathi M.S. & Grosz A. 2007. Geochemical survey of the Ganga River headwaters in Himalaya: Implications for radioelement mineralization. *Geochem. J.,* **41**, 83-95.

Negi, P.S. 2006. Forest resource of Doon Valley and its economic potential for global sustainable development. *J. Econ. Texonomic Botany***,** **30**(4), 783-794.

Negi, P.S. 2006. The Exotics of Doon valley: - An ecological disaster. *In*: *News Letter: The Friends of Doon Society*, Summer, **15**, 16-17

Negi, P.S. 2006. A contribution to woody plant diversity of Doon Valley, Uttranchal (North-West Himalaya). *Indian Forester*, **132**(4), 429-455.

Mundepi, A.K & Kamal 2006. Effective soft sediment thickness in Dehradun city using Ground Ambient Noise. *Him. Geol.* **27**(2) 183-188,

Paul, S.K., Avtar, Ram, Mehrotra, R.C., Sharma, A., Phartiyal, B. & Dorjey, C.P. 2007. A new fossil palm leaf from the Hemis Formation of Ladakh, Jammu and Kashmir, India. *Curr. Sci.,* **92**(6), 727-729.

Phadtare, N.R. & Pant, R.K. 2006. A century-scale pollen record of vegetation and climate history during the past 3500 years in the Pinder Valley, Kumaon Higher Himalaya, India. *J. Geol. Soc. India*, **68**(3), 495-506.

Philip, G. & Virdi, N.S. 2006. Co-existing compressional and extensional regimes along the Himalayan Front vis-à-vis active faults near Singhauli, Haryana, India. *Curr. Sci.*, **90**, 1267-1271.

Philip, G. & Virdi, N.S. 2007. Active faults and neotectonic activity in the Pinjaur Dun, northwestern Frontal Himalaya, India. *Curr. Sci.*, **92,** 532-542.

Pollitz, Fred F., Banerjee, P., Burgmann, R., Hashimoto, M. & Choosakul, Nithiwatthn 2006. Stress changes along the Sunda trench following the 26 December 2004 Sumatra-Andaman and 28 March 2005 Nias earthquakes. *Geophy. Res. Lett.,* **33**, L06309, doi:10.1029/2005GL024558, 2006 (2.317).

Pollitz, F.F., Burgmann, R. & Banerjee, P. 2006. Postseismic relaxation following the great 2004 Sumatra-Andaman earthquake on a compressible

self-gravitating Earth. *Geophys. J. Intl.*, **167**, 397-420. (1.642)

Ramola, R.C., Choubey, V.M., Prasad, Y., Prasad, G. & Bartarya, S.K. 2006. Variation in Radon concentration and terrestrial Gamma radiation doses rate in relation to the lithology in southern part of Kumaon Himalaya, India. *Radiat. Meas.*, **41**, 714-720.

Rana, R.S., Kumar, K. & Singh, H. 2006. Palaeocene vertebrate fauna from the Fatehgarh Formation of Barmer District, Rajasthan western India. *In:* Sinha, D.K. (ed.), *Micropalaeontology: Application in Stratigraphy and Paleoceanography*. Narosa Publishing House, New Delhi, 113-130.

Rana, R.S., Kumar, K., Loyal, R.S., Sahni, A., Rose, K.D., Mussell, J., Singh, H. & Kulshreshtha, S.K. 2006. Selachians from the Early Eocene Kapurdi Formation (Fuller's Earth), Barmer District, Rajasthan, India. *J. Geol. Soc. India*, **67**, 509-522.

Rao, D.R. & Rai, H. 2006. Signatures of rift environment in the production of garnet-amphibolites and eclogites from Tso-Morari region, Ladakh, India: a geochemical study. *Gondwana. Res.*, **9**, 512-523.

Rühland, K, Phadtare, N.R., Pant, R.K., Sangode, S.J. & Smol, J.P. 2006. Accelerated melting of Himalayan snow and ice triggers pronounced changes in a valley peatland from northern India. *Geophys. Res. Lett.*, **33**, L15709, doi: 10.1029/2006GL026704.

Sahni, A., Saraswati, P.K., Rana, R.S., Kumar, K., Singh, H., Alimohammadian, H., Sahni, N., Rose, K.D., Singh, L. & Smith, T. 2006. Temporal constraints and depositional palaeoenvironments of the Vastan lignite sequence, Gujarat: analogy for the Cambay Shale hydrocarbon source rock. *Indian J. Petrol. Geol.,* **15**, 1-20.

Saini, N.K., Mukherjee, P.K., Khanna P.P. & Purohit K.K. 2007. A proposed amphibolite reference rock sample (AM-H) from Himachal Pradesh *J. Geol. Soc. India*, **69**, 799-802.

Sangode, S.J., Sinha, R., Phartiyal, B., Chauhan, O.S., Mazari, R.K., Bagati, T.N., Suresh, N., Mishra, S., Kumar, R. & Bhattacharjee, P. 2007. Environmental Magnetic studies on some Quaternary sediments of varied depositional setting over Indian Sub-continent: Implications to detrital and authigenic controls. *Quatern. Int.,* **159**, 102-118.

Sah, M.P. & Mazari, R.K. 2007. An overview of the geoenvironmental status of the Kullu valley, Himachal Pradesh, India. J. Mountain Sci., **4**(1), 3-33

Sharma, R. & *Rao, D.R.* 2006. Fluid evolution in the Granulite -Amphibolite metamorphism of the Schirmacher region, East Antarctica. *Indian J. Geochem.*, **21**, 103-117.

Shukla, M., Tewari, V.C., Babu, R. & Sharma, A. 2006. Microfosils from the Neoporterozoic Buxa Dolomite, West Siang district, Arunachal Lessser Himalaya, India and their significance. *J. Palaeontol. Soc. India*, **51**(1), 57-73.

Singh, A.K. 2006. Dolerite dykes of Kundal area in Neoproterozoic Malani Igneous Suite, Rajasthan, India. *J. Geol. Soc. India*, **68**, 695-704.

Singh, A.K. 2006. Petrography, geochemistry and petrogenesis of Abor volcanics, Eastern Himalayan Syntaxial Bend. *Him. Geol.*, **27**(2), 163-181

Singh, A.K., Bikramaditya Singh, R.K. & Vallinayagam, G. 2006. Anorogenic acid volcanics in the Kundal area of Malani Igneous Suite, Northwestern India: Geochemical and Petrogenetic studies. *J. Asian Earth Sci.*, **27**, 544-557.

Singh, A.K. & Vallinayagam, G. 2006. High heat production granites from the Piplun and Kundal areas, Malani Igneous Suite, Western Rajasthan. *J. Geol. Soc. India*, **68**, 585-588.

Singh, A.K. & Vallinayagam, G. 2006. Radioactive heat generation of acid volcanic rocks from the Malani Igneous Suite, Western Rajasthan, India. *J. Appl. Geochem.*, **8(2)**, 162-168.

Singh, B.P., Singh, S.P. & Sachan, H.K. 2006. Post-depositional transformations during burial and exhumation in the Neoproterozoic Evaporite sequences, NW Himalaya,Indi**a.** *J..Geol. Soc. India*, **68**, 1058-1068.

Singh, T. 2006. Landslide Hazards in Arunachal Himalaya : a case study of Itanagar Capital Complex. *In:* Avasthy, R.K., Bhoop Singh & Sivakumar, R. (eds.), *Landslides: a perception*

and initiatives of DST. Indian Soc. Eng. Geol., 126-139.

Singh, T. & Devi, Mrinalinee 2006. Landslide Occurrences and Risk Assessment in Itanagar Capital Complex, Arunachal Himalaya. *Him. Geol.*, **27** (2), 145-62.

Singh, T., Kaushal, A. & Singh, Y. 2007. Heuristic cum statistical approach for Landslide Hazard Zonation in Itanagar Capital Complex, Arunachal Pradesh, India. *Intl. J. Geoinformatics,* **3** (1).

Singh, T. & Upadhyay, R 2007. Gondwanaland Expedition. *J. Geol. Soc. India*, **69** (2), 406-408.

Singh, R.R., Goyal, S.P., Khanna, P.P., Mukherjee, P.K. & Sukumar, R. 2006. Using morphometric and analytical techniques to characterize elephant ivory. *Forensic Sci. Intl.,* **162**(1-3), 144-151.

Sinha, S., Kumar, R., Ghosh, S. K. & Sangode, S.J. 2007. Controls on expansion-contraction of late Cenozoic alluvial architecture: A case study from the Himalayan foreland basin, NW Himalaya, India. *Him. Geol.*, **28**, 1-22.

Siva Siddaiah, N. & Kumar, Kishor 2007. Discovery of volcanic ash bed from the basal Subathu Formation (Late PalaeoceneMiddle Eocene) near Kalka, Solan District (Himachal Pradesh), Northwest Sub-Himalaya, India. *Curr. Sci.*, **92**, 118-125.

Srivastava, P., Brook, G.A., Marais, E., Morthekai, P. & Singhvi, A.K. 2006. Depositional environment and OSL chronology of Homeb silt deposits, Kuiseb River, Namibia. *Quaternary Res.*, **65**, 478-491.

Tewari, V.C. &. Sial, A.N. 2007 Neoproterozoic Early Cambrian isotopic variation and chemostratigraphy of the Lesser Himalaya, India, Eastern Gondwana. *Chem. Geol.,* **237**, 64-88.

Thakur, V.C., Jayangondaperumal, R., Champatiray, P.K., Bhat, M.I. & Malik, M.A. 2006. 8th October Kashmir earthquake and the seismic hazard assessment in Northwest Himalaya. *J. Geol. Soc. India*, **68**, 187-200.

Thakur, V.C., Pandey, A.K. & Suresh, N.S. 2007. Late Quaternary-Holocene evolution of Dun strucrure and the Himalayan Fault zone of the Garhwal Sub-Himalaya, NW India. *J. Asian Earth Sci.*, **29**, 305-319

Thayyen, R.J., Gergan, J.T., & Dobhal, D.P. 2007. Role of glaciers and snow covered on Headwater River Hydrology in Monsoon region- Micro scale study of Din Gad catchment Garhwal Himalaya India. *Curr. Sci.*, **92**, 376-382.

Tiwari, B.N., Verma, B.C. & Bhandari, A. 2006. Record of *Prodeinotherium* (Proboscidea: Mammalia) from mid-Tertiary Dharmsala Group of Kangra Valley, NW Himalaya, India: biochronological and palaeobiogeographical implications. *J. Palaeontol. Soc. India*, **51**(1), 93-100.

Verma Preeti & Sharma, R. 2007. Primary to re-equilibrated fluids and geochemical signatures for the evolution of Nagthat Siliciclastics in Tons valley, Lesser Himalaya, India. *J. Asian Earth Sci.*, **29**, 440-454.

Virdi, N.S. Philip, G. & Bhattachary, S. 2006. Neotectonic activity in Markanda and Bata River Basins, Himachal Pradesh, NW Himalaya: A morphotectonic approach. *Intl. J. Remote Sensing*, **27** , 2093-2099.

Virdi, N.S. & Philip, G. 2006. Neotectonic activity and its control on drainage changes in the northwestern Frontal Himalaya between the rivers Satluj and Yamuna. *Him. Geol.*, **27**(2), 129-143.

Yogesh Prasad, Ganesh Prasad, Negi, M.S., Choubey, V.M. & Ramola, R.C. 2006. Variation of Radon levels in spring water with metrological parameters and seismic events in Garhwal Himalaya. *Environ. Geochem.*, **9**, 76-79.

Papers In-press/ Communicated

Ahmad, T., Tanaka, T., Sachan, H.K., Asahara,Y., Islam, R. & Khanna, P.P. : Geochemical and isotopic constraints on the age and origin of the Nidar Ophiolitic Complex, Indus Suture Zone, Ladakh, India *(Comm.).*

Arora, B.R., Lyubushin, A.A., Kumar, Naresh, Chabak, S.K. & Baidya, P.R. : Seismic regimes of northwestern Himalaya. *J. Seismol.* (*Comm.).*

Arora, B.R. & Patil, S.K. : Palaeomagnetic and rock magnetic studies on the alkaline complexes of western Rajasthan, India. *Asian J. Earth Sci. (Comm.).*

Asthana, A.K.L. & Sah, M.P. **:** Landslides and cloud bursts

in the Mandakini basin of Garhwal Hiamalaya. *Him. Geol. (In press).*

Asthana, A.K.L. & Pal, D**. :** Landform Evolution of Mandakini Basin, Garhwal Himalaya, Uttaranchal India. *In:* Special felicitation volume on Geomorphology in India in honour of Prof. Savindra Singh, Allahabad *(Comm.).*

Asthana, A.K.L. & Mundepi, A.K. : Seismogenic landslides and their relationship with lineaments and subsidiary faults: an example of Chamoli and Rudraprayag area Garhwal Himalaya. *In:* Kharakwal, S.C. & Chauniyal, D.D. (eds.), *Mountain Geomorphology - Multi dimensional Approach (Comm.).*

Azmi, R. J. & Joshi, D. : *Discussion*: A Neoproterozoic geomagnetic field reversal from the Kurnool Group, India: Implications for stratigraphic correlation and formation of Gondwana. *In:* Goutham, M.R. Raghubabu, K. Prasad, C.V.R.K. Subbarao K.V. & Reddy, V. Damodara (eds.), *J. Geol. Soc. India*, **67**(2), 2006, 221-233 *(Comm.).*

Azmi, R. J. & Joshi, D. : Some observations on recent radiometric dates from the Vindhyan Supergroup of central India, and synthesis of latest bio- and geo-chronological results. *J. Pal. Soc. India (Comm.).*

Bartarya, S.K., Mazari, R.K. & Virdi, N.S. : Bhimgoda slide of August 24, 1994 in the Siwalik rocks near Haridwar : A success story of Landslide Control Measures. *In: Proceedings of the National Conference on 'Natural Hazards (Earthquake and Landslides): Challenges,Prospects and Social Dimensions with focus on the State of Uttaranchal',* Organised by a IGC and WIHG from 26-28 Dec., 2003 *(In press).*

Brook, G.A., Marais, E., Srivastava, P., Jordan, T. : Evidence of declining flood levels in Etosha Pan, Namibia, since the early to middle Holocene based on the OSL ages of relict shorelines in the Okondeka region. *Quaternary Intl. (Comm.).*

Chabak S.K. & Sharma P.K. : A Numerical approach to calculate the transit time of seismic wave traveled in NonHomogeneous Layered medium. *J. Interdisciplinary Mathematics (Comm.).*

Chaujar, R.K. : Global Warming and its Impact on the Himalayan Glaciers a Case Study of the Chorabari glacier, Garhwal Himalaya, India. *J. Glaciology (Comm.).*

Chaujar, R.K. & Dobhal, D.P. : Glacial landforms and history of advance and retreat of Dokriani Glacier, Garhwal Himalaya, India. *In: Geomorphology in India*. Indian Institute of Geomorphological, Allahabad *(Comm.).*

Choubey, V.M**.**, Mukherjee, P.K., Bajwa, B.S. & Walia, V. 2007: Geological and tectonic influence on water-soil radon relationship in Mandi-Manali area, Himachal Himalaya. *Environ. Geol. (In press).*

Devi, R.K.M. : Geomorphic appraisals of Active tectonics associated with upliftments of the Gohpur-Ganga section, Itanagar, Arunachal Pradesh *(Comm.).*

Dobhal, D.P. Spatial Distribution and morphometric analysis of Glacier in Bhagirathi River Basin, Garhwal Himalaya, India. *Curr. Sci. (Comm.).*

Dobhal, D.P., Gergan, J.T. & Thayyen, R.J. : Mass balance studies of Dokriani Glacier, Garhwal Himalaya, India. *Bull. Glaciol. Res.*, *Japanese Soc. Snow and Ice (In press).*

Dobhal, D.P., Gergan, J.T. & Thayyen, R.J. : Recession and Mass balance fluctuations of Dokriani glacier from 1991 to 2000, Garhwal Himalaya, India. *In: Intl. Sem. on Climatic and Anthropogenic impacts on water resources variability. Hydrol. Sci., (In press).*

Gupta, Vikram & Ahmed, Iqrar : Geotechnical characteristics of Surabhi Resort Landslide in Mussourie, Garhwal Himalaya, India. *Him. Geol. (Comm.).*

Gupta, Vikram, Bist, K.S., Sharma, B.P. & Asthana, A.K.L. : Varunavat Landslide Hazard in Uttaranchal Himalaya : its causes and risk assessment. *Proc. of National Conference on Natural Hazards (Earthquakes and Landslides) (Comm).*

Gupta, Vikram & M.P. Sah : Impact of the Trans-Himalayan Landslide Lake Outburst Flood (LLOF) in the Satluj Catchment, Himachal Pradesh, India. *Natural Hazards (In press).*

Gupta, Vikram & Ahmed, Iqrar : The effect of pH of water and mineralogical properties on the slake durability (degradability) of different rocks from the Lesser Himalaya, India. *(Comm.).*

Jaiswal, M.K. Srivastava, P., Tripathi, J.K. & Islam, R. :

Low Intensity of Optically Stimulated Luminescence (OSL) signal of quartz from the Northwestern Himalayan rocks: Implication to OSL dating *(Comm.).*

Jaiswal, M.K., Srivastava, P., Juyal, N., Singhvi, A.K. : Residual Luminescence signal in flash flood sediments from Himalaya: Aspects of optical dating. (Ancient TL) *(Comm.).*

Khayingshing, Luirei & Bhakuni, S.S. : Geomorphic Imprints of Neotectonic Activity along the Frontal Part of Eastern Himalaya, Pasighat, East Siang District, Arunachal Pradesh. *J. Geol. Soc. India (In press).*

Khayingshing, Luirei & Bhakuni, S.S. : Landslides along frontal part of Eastern Himalaya in East Siang and Lower Dibang districts, Arunachal Pradesh, India. *Jour. Geol. Soc. India (Comm.).*

Khayingshing, Luirei & Bhakuni, S.S. : Ground Tilting in Likhabali Area Along the Frontal Part of Arunachal Himalaya: Evidence of Neotectonics. *J. Geol. Soc. India (Comm.).*

Khayingshing, Luirei & Bhakuni, S.S. : Imprints of Soft sediment deformation structures in the Quaternary deposits in Rotung, Siang River Valley, Arunachal Himalaya. *J. Geol. Soc. India (Comm.).*

Khayingshing, Luirei & Bhakuni, S.S. : Soft sediment deformational structures in the lacustrine deposits of Ziro valley, Lesser Himalaya, Arunachal Pradesh. *J. Geol. Soc. India (In press).*

Jayangondaperumal, R., Sangode, S.J., Suresh, N. & Champati Ray, P.K. : Late Quaternary tearing off of the Main Boundary Thrust, evolution of Dehra Dun recess and transverse zone: evidence based on magnetic fabrics, structural and geomorphic features, NW Garhwal Himalaya, India. *Tectonics (Comm.).*

Jayangondaperumal, R. & Thakur, V.C. Kinematics of Coseismic Secondary Surface Fractures on Southeastward Extension of the Rupture Zone of Kashmir Earthquake. *BSSA (Comm.).*

Jowhar, T.N. : Mineral chemistry of tourmalines from the Gangotri granite, Garhwal Higher Himalaya, India. *Neues Jahrbuch fur Mineralogie (Comm.).*

Kumar, Dinesh, Sriram, V. : Estimation of Source parameters and scaling law of seismic spectrum for the earthquakes in NW Himalaya. *Curr. Sci. (Comm.).*

Kumar, Dinesh, Sarkar, Irene, Sriram, V. & Khattri, K.N. : An evaluation of seismic hazard and risk in the national capital region (Delhi) from moderate earthquakes using simulated accelerograms. *Curr. Sci. (Comm.).*

Kumar, K., Rana, R.S. & Singh, H. : The fishes of the Khuiala Formation (Early Eocene) of the Jaisalmer Basin, Western Rajasthan, India. *Curr. Sci. (Comm.).*

Kumar, Naresh, Sharma, Jyoti, Arora, B.R. & Mukhopadhyay, S. : Seismotectonic model of the Kangra-Chamba sector of NW Himalaya: Constraints from joint hypocenter determinations and focal mechanisms. *Bull. Seismol. Soc. Am. (Comm.).*

Kumar, Naresh, Sharma, Jyoti, Arora, B.R. & Mukhopadhyay, S. : 3D local tomography model of Kangra-Chamba region, NW Himalaya and its implication for seismic zoning. *J. Geophys. Res. (Comm.).*

Lokho, Kapesa & Raju, D.S.N. : Langhain (early part of Middle Miocene) foraminiferal assemblage from Bhubhan Formation, Mizoram, NE India-a new finding *(Comm.).*

Mahajan, A.K. Siefko Slob, Ranjan, Rajiv, Sporry, Rob, Champati Ray, P.K. & Westen, Cees J. van. : Seismic Microzonation of Dehradun city using Geophysical and Geotechnical Characteristics in the upper 30-meters of soil column. *J. Seismol. (In press).*

Mahajan, A.K. & Ghosh, G.K. : Statistical analysis of earthquake Data from Northwest Himalayan Region and its Implication for Seismic Hazard *(Comm.).*

Mahajan, A.K., Thakur, V.C. & Chauhan, Mukesh : Probabilistic Seismic Hazard Map of NW Himalayan and its adjoining area India. *Natural Hazard (Comm.).*

Malik, J.N, Nakata, T., G. Philip, N Suresh & N.S. Virdi. Evidence of a large magnitude earthquake along Chandigarh Fault in the frontal Himalayan zone, NW India. *International Journal for Applied Earth Observation and Geoinformation (Comm.).*

Mazari, R.K. : Outline geomorphology of the upper

Bhagirathi basin, Garhwal Himalaya. *Him. Geol. (In press).*

Mathur, N.S., Juyal, K.P. & Kumar, K. : Biotic response to Cretaceous-Eocene tectonic events at the northern margin of the Indian Plate and the Indus Suture Zone, Ladakh Himalaya, India. *J. Palaeontol. Soc. India (Comm.).*

Misra, D.K**. :** Geomorphic features along the active faults in the Lohit and Dibang Valleys, Eastern Arunachal Pradesh, India. *Zeitschrift für Geomorphologie (Comm.).*

Misra, D.K. : Evidences of neotectonic activity along the active faults in Arunachal Himalaya, NE India. *Him. Geol. (In press).*

Mukherjee, P.K.,.Purohit, K.K, Saini, N.K & Khann, P.P. Geochemical survey of low order stream sediments from Garhwal Lesser Himalaya. *Indian J. Applied Geochem., 2007(In press).*

Mukherjee, P.K. & Gupta, P.K. : Is socon method of geochemical mass balance is appropriate? An evaluation of the graphical approach. *Geochem. J.* , 2007 *(Comm).*

Mukherjee, B.K., Shinji Yamamoto, Sachan H.K. & Maruyama, Shigenori. A record of Ca-Na amphiboles in coesite bearing garnet from ISZ, Himalaya: fingerprint for prograde metamorphism, American Mineralogists *(Comm.).*

Mundepi**,** A.K., Kamal & Paul, A.K. Estimation of sit amplification at various Litho - units in NW Himalaya using Horizontal to Vertical Ratio. *J. Geol. Soc. India, 2007 (In press)*

Mundepi**,** A.K. : A comparative study of site amplification by using Horizontal to Vertical spectral ratio (Nakamura technique) of Ground Ambient Noise with earthquakes at various litho units in NW Himalaya. *Him. Geol., 2007 (Comm.).*

Narshiman, Laxmi, Patil, S.K. & Arora, B.R. : A Palaeomagnetic perspective on the flows and intrusives of Kachchh Rift Basin and its implication on Reunion plume-Indian plate interaction. *Asian J. Earth Sci. (Comm.).*

Negi, P.S. : Alien flora of Doon Valley, North-West Himalaya. *Curr. Sci.(In press).*

Negi, P.S. : Biotic stress on Himalayan progenitors and their significance for conservation of genetic resource - A case study of Doon Valley and adjacent area. *J. Environ. Manage. (Elsevier) (Comm.).*

Nummela, S., Thewissen, J.G.M., Bajpai, S., Hussain, S.T. & Kumar, K. 2007 : Sound Transmission in Archaic and Modern Whales: Anatomical Adaptations for Underwater Hearing. *Anatomical Record (In press).*

Pandey, Prabha, & Sharma, Rajesh. : Fluid Inclusion and Geochemical Signatures for the Talc Mineralization in Kanda Area: Implications for Genesis of Carbonate Hosted Talc Deposits of Lesser Himalaya, India. *Resource Geol. (Japan) (Comm.).*

Pant, P.D., Kothyari, G.C. & Khayingshing Luirei : Geomorphologic and geological investigation of Neotectonic activity of Saryu River Fault (SRF), a part of North Almora Thrust (NAT) in Seraghat Basoli area in Central Kumaun, Uttaranchal. (*In press).*

Pant, P.D., Kothyari, G.C. & Khayingshing & Joshi, S. Neotectonic Rejuvenation along a part of South Almora Thrust (SAT) in Kakright Bamsyu Area, Kumaun Himalaya, Uttaranchal. *J. Earth Sys. Sci. (Comm.)*

Parcha, S.K., Sabnis, S.V. & Saraswati, P.K. Taxonomic application of classification and regression tree (CART) and random forests (RF): A case study of Middle Cambrian trilobites. *J. Geol. Soc. India (In press).*

Parcha, S.K. : Ichnofossil diversity and ichnofacies in the Cambrian successions of the Zanskar Himalaya, India *(Comm.).*

Patil, S.K. & Arora, B.R. : Palaeomagnetic and rock magnetic studies on the intrusives of Ranigunj Basin, Damodar valley: linkage with Rajmahal basalts. *Earth Planet Space (Comm.).*

Phadtare, N.R. : Abrupt dry climate events in Central Himalaya during the past two millennia and their links to Indian summer monsoon *(Comm.).*

Philip, G. : Remote sensing data analysis for mapping active faults in northwestern part of Kangra Valley, NW Himalaya, India. *Intl. J. Remote Sensing (In press).*

Pollitz, F.F**.,** Banerjee, P**.** & Burgmann, Roland 2007: Postseismic relaxation from the 2004 M=9.2

Sumatra earthquake simulated on a 3D viscoelastic model. *Geophys. J. Int. (Comm.).*

Purohit, K.K., Mukherjee, P.K., Saini, N.K., Rathi, M.S. & Khanna, P.P. Geochemical Dispersion Pattern of Some Heavy Metals in Upper Alaknanda Catchment: Application in Mineral Exploration and its Environmental implications. *J. Geol. Soc. India (In press).*

Ramola, R.C., Choubey, V.M., Negi, M.S., Yogesh Prasad & Prasad Ganesh : Radon occurrence in soil-gas and groundwater around an active landslide. *J. Radiation Measurement (In press).*

Singh, A.K. : Chemical characteristics of alkaline basalt from the Abor volcanics of Arunachal Himalaya. *J. Geol. Soc. India (In press).*

Singh, A.K. & Vallinayagam, G. : Distribution of radioelement and rare-metal mineralization in A-type acid plutonic-volcanic rocks from the Neoproterozoic Malani Igneous Suite, Western Peninsular India. *J. Petrol. Mineral, Japan (Comm.).*

Singh, A.K., Devi, L. Devala & Singh, N.I. : Platinum Group of Elements (PGE) and Gold in the ultramafic rocks of Manipur Ophiolitic Complex, North East India: A preliminary report. *J. Geol. Soc. India (Comm.).*

Singh, A.K., Ibotombi, N., Devi, L. Devala & Bikramaditya Singh, R.K. : Pillow basalt in the Manipur Ophiolitic Complex, Indo-Myanmar Range, North East India. *J. Geol. Soc. India (Comm.).*

Rao, D.R. & Rai, H. : Permian Komatiites and associated basalts from the marine sediments of Chhontash Formation, southeast Karakoram, Ladakh, India. *Miner. Petrol. (Comm).*

Rathi, G., Sangode, S.J. Kumar, R. & Ghosh, S.K. Magnetic fabrics under high-energy fluvial regime of the Himalayan Foreland Basin, NW Himalaya. *Curr. Sci. (In press).*

Rawat, R.S. Stratiform Barite mineralisation in the Proterozoic Nagthat Formation between Giri and Ganga Valleys in the Outer Lesser Himachal and Garhwal Himalaya. *(Comm.).*

Sachan, H.K., Mukherjee, B.K. & Ahmad, T. : Brine rich hydrothermal fluid circulation level of Nidar Ophiollite Sequence, Ladakh: Evidences from Fluid Inclusions. *J. Geol. Soc. India (In press).*

Sachan, H.K., Mukherjee, B.K. & Bodner, R. J. : Methane (CH_4) in upper mantle rocks from the Indus Suture Zone, Ladakh (India): Evidence from fluid inclusion and Raman spectroscopy. *Earth Planet. Sci. Lett. (In press)*

Saxena Anubhooti, Sachan, H.K. : Fluid-rock interaction along South Tibetan detachment, Garhwal Himalaya; A study from Malari leucogranite . *Curr. Sci. (Comm.).*

Sharma B.P. & Asthana, A.K.L.: Geomorphology and Quaternary Sedimentation in Alaknanda Valley Garhwal Himalaya, Uttaranchal. *In:* Special felicitation volume on Geomorphology in India in honour of Prof. Savindra Singh, Allahabad. *(Comm.).*

Siva Siddaiah, N. : Berthierine-rich Ooidal Ironstone from the Late Palaeocene-Middle Eocene Subathu Formation, Dogadda area, NW Himalaya and its Stratigraphic Significance *(Comm.).*

Siva Siddaiah, N. : Geochemistry and mineralogy of Ooidal Ironstone from Late PaleoceneMiddle Eocene Kakara-Subathu Formation, NW Himalaya: volcanic component in the genesis of Ooidal Ironstone *(Comm.).*

Singh, Bikramaditya, R.K., Gururajan, N.S. & Singh, A.K. : Petrology and Geochemistry of amphibolites of the Bomdila Group, Western Arunachal Himalaya. *J. Applied Geochem., India (Comm.).*

Singh, K. : The reactivation in the hangingwall of Main Central Thrust: an example of Break-back thrust along the Kishtwar Window, northwest Himalaya, India. *J. Asian Earth Sci. (Comm.).*

Singh, K. : Can opposite vergent folds form in a single deformational phase? Structural evidences from Chamba Thrust Sheet, Chamba-Lahaul region (Northwest Himalaya), India. *Geol. Magz. (Comm.).*

Sinha, Subhajit, Ghosh,.S.K., Kumar, Rohtash, Islam, R, Sanyal, P. & Sangode, S.J. : Role of tectono-climatic factors in the Neogene Himalayan Foreland sediments: Petrology and geochemical approach, Kangra Sub Basin. *J. Geol. Soc. India (Comm.).*

Sinha, Subhajit, Ghosh, S.K., Kumar, Rohtash &

Sangode, S J. : Geochemistry of Neogene Siwalik mudstones along Punjab re-entrant, India: implications for source-area weathering, provenance and tectonic setting. *Curr. Sci. (In press).*

Singhvi, A.K., Rupakumar, K, Meloth, T, Gupta, A.K., Kale, V.S., Yadav, R.R., Bhattacharyya, A**,** Phadtare, N.R., Roy, P.D., Chauhan, M.S., Chauhan, O.S., Chakraborty, S. : Instrumental, terrestrial and marine records of the climate of South Asia during the Holocene: Present status, unresolved problems and societal aspects *(In press).*

Srivastava, P., Tripathi, J.K., Islam, R. &. Jaiswal, M.K**. :** Fashion and phases of Late Pleistocene aggradations and incision in Alaknanda River, western Himalaya, India. *Quaternary Res. (Comm.).*

Subba Rao, P.B.V., Arora, B.R. & Singh, A.K. 2007. Magnetovariational studies over Lakshdweep Island, SW Margin of India. *Curr. Sci. (In press).*

Sundriyal, Y.P., Tripathi, J.K., Sati, S.P., Rawat, G.S. & Srivastava, P. : Landslide dammed lakes in the Alaknanda basin (Lesser Himalaya): causes and implications. *Curr. Sci.(In press).*

Suresh, N, Bagati, T.N., Kumar, R. & Thakur, V.C. Evolution of Quaternary alluvial fans and terraces in the intramontane Pinjaur Dun, Sub-Himalaya, NW India: interaction between tectonics and climate change. *Sedimentology (In press).*

Tewari, V.C. : The rise and decline of the Ediacaran biota: palaeobiological and stable isotopic evidence from the NW and NE Lesser Himalaya, India. *Geol. Soc. London (In press).*

Tewari, V.C., Barbara Stenni, Katica Drobne, Nevio Pugliese & Rodolfo Recomboni : Peritidal sedimentary depositional facies and carbon isotope variations across K/T boundary carbonates at Padriciano, Trieste, Italy. *Palaeogeo. Palaeoclim. Palaeoecol. (In press).*

Timothy, S. Paulsen, A. Christie, M. Demosthenous, A. Paul, M. Myrow, B. Nigel, C. Hughes, C. and Parcha, S.K. Paleostrain stratigraphic analysis of calcite twins across the Cambrian-Ordovician unconformity in the Tethyan Himalaya, Spiti and Zanskar valley regions, India. *Journal of Asian Earth Sciences (In press).*

Tiwari, R.P., Malsawma, J., Sangode, S.J. & Arora, B.R. Magnetostratigraphy of a part of middle Bhuban sequence (Surma Group), *Aizwal, Mizoram. J. Geol. Soc. (In press).*

Venkatachalapathy, R., Lokho Kapesa & Whiso, K : New frontiers for energy resources: A study of microfossils in identifying the source rocks for oil in Nagaland, NE India. *Gondwana Geol. Soc., Nagpur (In press).*

Wasson, R.J., Juyal, N., Jaiswal, M., McCulloch, M., Sarin, M.M., Jain, V., Srivastava, P. & Singhvi, A.K. : The Mountain-Lowland Debate: deforestation and Sediment Transport in the Upper Ganga Catchment. *Environ. Management (In press).*

Yeats, R.S. & Thakur, V.C. : Active faulting south of the Himalayan front: Establishing a new plate boundary. *Tectonophysics (In press)*

Popular Articles

Negi, P.S**.** 2006. Ocean: a multidimensional natural resource with special reference of India. *Ashmika*, **12**,31-34 *(In hindi)*

Parcha, S.K. 2007. Zanskar-Ladakh Himalaya: Natures Paradise but how long? *Media*, **1**(1), 20-28.

Rawat, R.S. 2006. Tsunami apada. *Vigyan Viloki*, **1** (2-3), 29-30 *(In hindi).*

Rawat, R.S. 2006. Uttaranchal mein prakritic apadayan: ek vivechana. *Ashmika,* **12,** 20-21 *(In hindi).*

Rawat, R.S. 2007. Jal Pradusan : Dehradun ke paripeksh mein. *Himanjali (special issue),* 24-25 *(In hindi).*

Sharma B., Asthana, A.K.L. & Pal D. 2006. Uttaranchal Mein Badal Phatane ki aapda. *Vigyan Viloki,* **1**(2), 20-24 *(In hindi).*

Tewari, V.C. 2006. Ek Thi Tehri. *Ashmika***,** 12, 17-18 *(In hindi).*

Technical Reports

Bartarya, S.K. 2006**.** Geohydrological Feasibility report for the tubewell site in Navada, (Haripur Kalan) District DehraDun**,** Submitted to Uttaranchal Pey Jal Nigam, Dehradun. 10p.

Bartarya, S.K. 2006. Gehydrological feasibility report on the tubewell site in Doon vihar Jakhan, DehraDun. Submitted to Uttaranchal Pey Jal

Nigam, Dehradun. 10p.

Mahajan, A.K. To Council of Science & technology, Govt. of Uttaranchal Regarding "Suitability of high rise buildings vis-a-vis vulnerability aspects". Submitted on 22/12/2006.

Mundepi, A.K., Pandey, H.C., Singh, R. & Chabak, S.K. Phase Data Bulletin October, 2005. Submitted to Directors, WIHG, NGRI, DDG (Seismology) IMD and Advisor (Seismology), DST.

Mundepi, A.K., Pandey, H.C., Singh, R. & Chabak, S.K. Phase Data Bulletin November, 2005. Submitted to Directors, WIHG, NGRI, DDG (Seismology) IMD and Advisor (Seismology), DST.

Perumal, R. A report on 3rd module of SERC School on tectonic Geomorphology and Crustal deformation: Modern Structure and Tectonics. Submitted to the DST.

Sah, M.P. & Gupta. Vikram 2007. Geological Feasibility of a Site for the proposed residential house at Radha Bhawan Estate, New Circular Road, Mussoorie.

Sah, M.P. & Gupta, Vikram 2006. Report on the Chronic Landslides in Karanprayag and its Environs, submitted to the Executive Engineers, PWD Karanprayag, District Chamoli, Uttaranchal.

Sah, M.P. & Gupta, Vikram 2006. Geological Feasibility Report for the extension of Takle Road in the premises of the Indra Gandhi National Forest Academy (IGNFA), Dehra Dun, submitted to the Estate Officer, Indra Gandhi National Forest Academy (IGNFA), Dehra Dun.