RESEARCH PUBLICATIONS

Papers Published

Ahmad T., Tanaka T., Sachan, H.K, Asahara Y., Islam R. & Khanna P.P. 2008. Geochemical and isotopic constraints on the age and origin of the Nidar Ophiolitic Complex, Indus Suture Zone, Ladakh, India. Tectonophysics, **451**, 206–224.

Arora, B.R., Kamal, Kumar, A., Rawat, G., Kumar, Naresh & Choubey, V.M. 2008. First Observations of Free Oscillations of the Earth (FOE) from Indian Superconducting Gravimeter in Himalaya. Curr. Sci., **95**(11), 1611-1617

Asthana, A.K.L. & Sharma, B. 2009. Geomorphological study in Alaknanda valley, Garhwal Himalaya. In: Rawat, M.M.S. & Pratap, Dinesh (eds), Proceedings of National Seminar on Management and Strategies for the Indian Himalaya: Development and Conservation, 2, 1-13.

Azmi, R.J, Joshi, D., Tiwari, B.N., Joshi, M.N. & Srivastava, S.S. 2008. A synoptic view on the current discordant geo- and biochronological ages of the Vindhyan Supergroup, central India. Him. Geol., **29**(2) 177-191.

Bajpai, S., Kay, R.F., Williams, B.A., Das, D.P., Kapur, V.V. & Tiwari B.N. 2008. The oldest Asian record of Anthropoidea. In: Proceedings of National Academy of Science, USA. **105**(32), 11093–11098.

Banerjee, P., Bürgmann, R., Nagarajan, B. & Apel, E. 2008. Intraplate deformation of the Indian subcontinent. Geophysical Research Letters, **35**, L18301, doi:10.1029/ 2008GL035468.

Bhambari, R. & Chaujar, R.K. 2009. Recession of Gangotri glacier (1962-2006) measured through Remote Sensing Data. In: Proceedings of National Seminar on Management Strategies for the Indian Himalaya: Development and Conservation, **1,** 254-264

Chaujar, R.K. 2009. Climate Change and its Impact on the Himalayan Glaciers – a Case Study of the Chorabari glacier, Garhwal Himalaya, India. Curr. Sci., **96**(5), 703- 708.

Choudhury, B.K. Gururajan, N.S. & Singh, B. 2009. Geology and structural evolution of the eastern Himalayan Syntaxis. Him. Geol., **30**(1), 17-34

Devrani, U. & Dubey, A.K. 2008. Anisotropy of magnetic susceptibility and petrofabric studies in the Garhwal Synform, Outer Lesser Himalaya: evidence of pop-up klippen. Island Arc. DOI 10.1111/j.1440-1738.2008.00628.x.

Dobhal D.P. Chaujar, R.K. & Gergan, J.T. 2009 Glacial geomorphology of Dokriani glacier, Bhagirathi river basin, Garhwal Himalaya. In: Proceedings of National Seminar on Management Strategies for the Indian Himalaya: Development and Conservation, **1,** 236- 253.

Dubey, A.K. 2008. Inversion tectonics in the Himalaya. Him. Geol. (Abstract Volume), **29**(3), 25-26.

Dubey, A.K. 2009. The leading edge of the Greater Himalayan Crystalline complex revealed in the NW Indian Himalaya: Implications for the evolution of the Himalayan region: Comment. Geology, **37**, 189-190.

Gitis, V., Yurkov, E., Arora, B.R., Chabak, S., Kumar, Naresh & Baidya, P. 2008. Analysis of seismicity in North India. Russian J. Earth Sci., **10**, ES5002, doi:10.2205/2008ES000303

Gupta, V. & Sah, M.P. 2008. The Relationship between Main Central Thrust (MCT) and the Spatial Distribution of Mass Movement in the Satluj Valley, Northwestern Higher Himalaya, India. Zeitscrift für Geomorphologie, **52**(2), 169-179. DOI 10.1127/0372-8854/2008/0052-0169

Gupta, V. & Sah, M.P. 2008. Spatial Variability of mass movements in the Satluj Valley, Himachal Pradesh during 1990 – 2006. J. Mount. Sci., Springer publication, **5**(1), 38-51. DOI 10.1007/s11629-008-0038-7

Gupta, V. & Sah, M.P. 2008. Impact of the Trans-Himalayan Landslide Lake Outburst Flood (LLOF) in the Satluj Catchment, Himachal Pradesh, India. Natural Hazards, **45**, 379-390. DOI 10.1007/s11069-007-9174-6

Gupta, V. & Sah, M.P. 2008. Formation and breaching of landslide dams and related aspects: Documented examples from the Himalaya. In: Ghosh, A., Sarkar, S. & Kanungo, D.P. (eds), Landslide Management: Present Scenario and Future Directions. NIDM Publisher, New Delhi, 77-86.

Jaiswal, M.K., Srivastava, P., Tripathi, J.K. & Islam, R. 2008. Feasibility of the SAR technique on quartz sand of Terraces of NW Himalaya: a case study from Deoprayag. Geochronometria, **31**, 45-52.

Jayangondaperumal, R. & Thakur, V.C. 2008. Co-seismic Secondary surface fractures on Southeastward extension of the rupture zone of the 2005 Kashmir earthquake. Tectonophysics, **446**, 61-76.

Jayangondaperumal, R., Thakur, V.C. & Suresh, N. 2008. Liquefaction features of the 2005 Muzaffarabad-Kashmir earthquake and evidence of paleoearthquakes near Jammu, Kashmir Himalaya. Cur. Sci., **95**, 1071-1077.

Khanna, P.P., Saini, N.K., Mukherjee, P.K. & Purohit. K.K. 2009. An appraisal of ICP-MS technique for determination of REEs: long term QC assessment of silicate rock analysis Him. Geol., **30** (1), 95-99.

Kumar, Naresh, Sharma, J., Arora, B.R. & Mukhopadhyay, S. 2009. Seismotectonic model of the Kangra-Chamba sector of NW Himalaya: Constraints from joint hypocenter determination and focal mechanism. Bull. Seismol. Soc. Amer., **99**(1), 95-109, doi:10.1785 0120080220

Kumar, R., Sangode, S.J., Ghosh, S.K. & Sinha, S. 2008. Marine to Fluvial Transition and Erosional Hiatus in the Paleogene Sediments of NW Himalayan Foreland Basin, India. Him. Geol, **29**(2), 147-160 .

Luirei, K. &. Bhakuni, S.S. 2008. Geomorphic Imprints of Neotectonic Activity along the Frontal Part of Eastern Himalaya, Pasighat, East Siang District, Arunachal Pradesh. Geol. Soc. India, **71**, 502-512.

Luirei, K. &. Bhakuni, S.S. 2008. Ground Tilting in Likhabali area along the Frontal part of Arunachal Himalaya: evidence of Neotectonics. Geol. Soc. India, **71**, 780-786

Mahajan, A.K. 2009. NEHRP soil classification and estimation of 1-D site effect of Dehradun fan deposits using shear wave velocity. Eng. Geol., doi:10.1016/j.enggeo.2008.10.013

Malik, J.N., Nakata, T., Philip, G., Suresh, N. & Virdi, N.S. 2008. Active fault and paleoseismic investigation: Evidence of a historic earthquake along Chandigarh fault in the frontal Himalayan zone, NW India. Him. Geol., **29**, 109-117.

Mathur, N.S., Juyal, K.P. & Kumar, K. 2008. Biotic response to Cretaceous-Eocene tectonic events at the northern margin of the Indian Plate and the Indus Suture Zone, Ladakh Himalaya, India. Jour. Palaeontol. Soc. India, **53**(1), 37-49.

Mathur, N.S., Juyal, K.P. & Kumar, K. 2009. Larger foraminiferal biostratigraphy of lower Paleogene successions of Zanskar Tethyan and Indus-Tsangpo Suture zones, Ladakh, India in the light of additional data. Him. Geol., **30**(1), 45-68.

Misra, D.K, 2009. Lithotectonic Sequence and their Regional Correlation along the Lohit and Dibang Valleys, Eastern Arunachal Pradesh. J. Geol. Soc. India, **73**, 213-219.

Mondal, S.K, Sastry, R.G, Pachauri, A.K. & Gautam, P.K. 2008. High resolution 2D electrical resistivity tomography to characterize active Naitwar Bazar landslide, Garhwal Himalaya, India. Curr. Sci., **94** (7), 871-875.

Mrinalini Devi, R.K. 2008. Tectono-geomorphic forcing of the frontal sub-Himalayan streams along the Kimin section in the Arunachal Himalaya. J. Geol. Soc. India, **72**(2), 253-262

Mukherjee, P.K. & Gupta, P.K. 2008, Arbitrary scaling in ISOCON method of geochemical mass balance: an elevation of the graphical approach. Geochem. J., **42**, 247-253.

Nanda, A.C. 2008. Comments on the Pinjor Mammalian Fauna of the Siwalik Group in relation to the post-Siwalik faunas of Peninsular India and Indo-Gangetic Plain. Quatern. Intl., **192**, 6–13.

Negi, P.S. 2008. Vegetation control of spring discharge in the mountain ecosystem: a case study of Uttarakhand, Northwestern Indian Himalaya. In: Proceedings of Third South Asia Water Research Conference, Dhaka, Bangladesh, 01-07.

Parcha, S.K. 2008. Himalayan Trilobite fauna: Present Status with respect to Cambrian Biostratigraphy Advances in trilobite research. In: Madrid, I. Rábano, R. Gozalo & D. García-Bellido (eds), Cuadernos del Museo Geominero. Instituto Geológico y Minero de España, 297-304

Patel, S.C., Ravi, S., Anilkumar, Y., Naik, A., Thakur, S.S., Pati, J.K. &. Nayak, S.S. 2009. Mafic xenoliths in Proterozoic kimberlites from Eastern Dharwar Craton, India: mineralogy and P-T regime. J. Asian Earth Sci., **34**, 336-346.

Rai, Hakim & Rameshwar Rao, D. 2009. Granite magmatism along southern margin of eastern Karakoram, Ladakh, India. In: Santosh Kumar (ed.), Magmatism, Tectonism and Mineralization. Macmillan Publishers, 102-116.

Raju, D.S.N., Ramesh, P., Shankar, R., Kumar, G., Bhargava, O.N., Srikantia, S.V., Prabhakaran, S., Misra, R., Lokho, K. & Kaul, A.K. 2008. Stratigraphy of India. Mega Chart-I: Major hiatuses, stratigraphic sequences, lithology, thickness and rates of sedimentation of litho units of the Proterozoic and Phanerozoic of India. ONGC Bulletin, Special Issue, **43**, No. 1.

Raju, D.S.N. Ramesh, P., Shankar, R., Kumar, G., Bhargava, O.N., Prabhakaran, Mohan, S.G. K., Misra, R., Uppal, S., Lokho, K., Singh, B.P. & Kaul, A.K. 2008. Stratigraphy of India. Mega Chart-II: Stratigraphic sequences, major hiatuses, and paleobathymetry (Paleoenvironments) during the Proterozoic and Phanerozoic of the Himalaya region, Peninsular and Pericratonic basins of India. ONGC Bulletin, Special Issue, ***43***, No. 1.

Rameshwar Rao, D. & Rai, Hakim 2009. Geochemistry of granitoids from Shyok tectonic zone near Tangtse, Ladakh, India. Him. Geol., **30**, 35-44.

Ramola, R.C., Choubey, V.M., Negi, M.S., Yogesh Prasad & Ganesh Prasad 2008. Radon occurrence in soil-gas and groundwater around an active landslide. Radiation Measurements, **43**(1), 98-101.

Ramola, R.C., Yogesh Prasad, Kumar, Sushil & Choubey, V.M. 2008. Soil-gas radon as seismotectonic indicator in Garhwal Himalaya. J. Applied Rad. Isotopes., **66**(10), 1523-1530.

Rana, R.S., Kumar, K., Escarguel, G., Sahni, A., Rose, K.D., Smith, T., Singh, H. & Singh, L. 2008. An ailuravine rodent from the early Eocene Cambay Formatin at Vastan, western India, and Its palaeobiogeographic implications. Acta Palaeontologica Polonica, **53**(1), 1-14.

Robbins, L.H, Campbell, A.C, Murphy, M.L., Brook, G.A, Liang, F., Skaggs, S.A., Srivastava, P, Mabuse, A.A., Badenhorst, S. 2009. Recent archaeological research at Toteng, otswana: Early domesticated livestock in the Kalahari. J. African Archaeology, **6**(1), 131-149

Sangode, S.J., Kumaravel, V., Bloemendal. J. & Kumar. R. 2008. Effect of Burial and Compaction on Soil Magnetic Properties: Results from Soil-Paleosol sequences in the Himalayan Foreland, India. Palaeogeogr. Palaeoclim. Palaeoecol., **267**, 235-244.

Saraf, A.K., Rawat, V., Banerjee, P., Choudhury, S., Panda, S.K., Dasgupta, S., Das, J.D. 2008. Satellite Detection of earthquake thermal precursors in Iran. Natural Hazards, **47** (1), 119-135. DOI, 10.1007/s11069-007-9201-7.

Sastry, R.G., Mondal, S.K., Gautam, P.K. & Pachauri, A.K. 2008. Electrical resistivity tomography and gravity studies for active landslide characterization at Naitwar, Garhwal Himalaya, India. In: Proceeding

RESEARCH PUBLICATIONS

of 7th International Conference & Exposition on Petroleum Geophysics, Hyderabad, 182-187.

Schopf, J.W., Tewari, V.C. & Kudryavtsev, A.B. 2008. Discovery of a new chert–permineralised microbiota in the Proterozoic Buxa Formation of the Ranjit Window, Sikkim, Northeast India, and its Astrobilogical implicatios. Astrobiology, **8**(4), 735- 746.

Sharma, R. 2009. Sulphide mineralization in uprising Lithotetonic belt of Lesser Himalaya. In: Santosh Kumar (ed.), Magmatism, Tectonism and Mineralization. Macmillan Publishers, 230-246.

Sharma R., Joshi, Prabha & Pant, P.D. 2009. Role of Fluids in the Formation of Talc Deposits of Rema area, Kumaun Lesser Himalaya, India. J. Geol. Soc. India, **73**, 237-248.

Sharma, R. & Rameshwar Rao, D. 2008. Stannoidite and cubanite from Askot polymetallic sulphide ores, Kumaun Lesser Himalaya, India. Curr. Sci., **95**(5), 527-531.

Sharma, R. & Rameshwar Rao, D. 2008. Fluid inclusion studies of granitoid rocks from the central part of Askot crystallines, Kumaun Himalaya. Him. Geol., **29**(2), 137-145.

Siddaiah, N.S. & Kumar, K. 2008. Volcanic ash beds. Curr. Sci., **95**(4), 437.

Singh, A.K. 2008. PGE Distribution in the Ultramafic Rocks and Chromitites of the Manipur Ophiolite Complex, Indo-Myanmar Orogenic Belt, Northeast India. J. Geol. Soc. India, **72**, 649-660.

Singh, A.K. Devala Devi, L. & Ibotombi Singh, N. 2008. 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, **71**, 739-743.

Singh, A.K., Ibotombi Singh, N., Devala Devi L. & Bikramaditya, Singh R.K. 2008. Pillow basalts from the Manipur Ophiolitic Complex (MOC), Indo-Myanmar Range, Northeast India. J. Geol. Soc. India, **72**, 168-174.

Singh, R.K.B., Gururajan, N.S. & Singh, A.K. 2008. Petrology and Geochemistry of Amphibolites of the Bomdila Group, Western Arunachal Himalaya. J. Appl. Geochem., **10**(2), 92-107.

Sinha, S., Ghosh, S.K., Kumar, R., Islam, R., Sanyal, P. & Sangode, S.J., 2008. Role of Tectono-Climatic Factors in the Neogene Himalayan Foreland Sediments: Petrology and Geochemical Approach, Kangra Sub Basin. J. Geol. Soc. India, **71**, 787-807.

Srivastava, P., Bhakuni, S.S., Luirei, K. & Misra, D.K. 2009. Fluvial records from the Brahmaputra River exit, NE Himalaya: climate-tectonic interplay during Late Pleistocene-Holocene. J. Quaternary Sci., **24**, 175-188.

Srivastava, P. & Misra, D.K. 2008. Morpho-sedimentary records of active tectonics at the Kameng river exit, NE Himalaya. Geomorphology, **96**, 187-198.

Srivastava, P., Tripathi, J.K., Islam, R. & Jaiswal, M.K. 2008. Fashion and Phases of Late Pleistocene aggradation and incision in Alaknanda River, western Himalaya, India. Quaternary Res., **70**, 68-80.

Srivastava, P. & Shukla, U.K. 2009. Quaternary Evolution of the Ganga River System: New Quartz Ages and a review of Luminescence Chronology. Him. Geol., **30**(1), 85-94.

Tewari, V.C. 2008. Speleothems from the Himalaya and Monsoon: A preliminary study. Earth Sci. India, **1**(IV), 231- 242.

Tewari, V.C. 2009. Proterozoic unicellular and multi-cellular fossils from India and their impli-cations. In: Seckbach, J. (ed.), From Fossils to Astrobiology, Springer – Verlag. The Netherlands, 119-139.

Tewari, V.C. & Chela Flores, J. 2009. Possible role of Sulfur on the Early diversification of life on Earth : Astrobiological implications. In: Srivastava, K.L. (ed.), Economic Mineralization. Scientific Publishers, India, Jodhpur, 53- 56.

Thakur, S.S. & Tripathi, K. 2008. Regional metamorphism in the Haimanta Group of rocks, Sutlej river valley, NW Himalaya, India. Curr. Sci., **95**, 104-109.

Thakur, V.C. 2008. Active tectonics of the Himalaya. In: Gupta, H.K. (ed.), Golden Jubilee Memoir of Geological Society of India, **66**, 227-258.

Thewissen, J.G.M., Cooper, L.N., Clementz, M.T., Bajpai, S. & Tiwari, B.N. 2009. Replying to "Hippopotamus and whale phylogeny" by Geisler, J, H, & Theodor, J. M. in Nature doi:10.1038/ nature07775.

Verma, H.C., Tewari, V.C., Paliwal, B.S. & Tripathi, R.P. 2008. Preferential occupation of pyroxene sites by iron in diogenite meteorites. Hyperfine Interact, DOI 10.1007/s 10751-008-9851-1, p. 1-6, Springer.

Wasson, R.J., Juyal, N., Jaiswal, M., McCulloch, M., Sarin, M.M., Jain, V., Srivastava, P. & Singhvi, A.K. 2008. The Mountain-Lowland Debate: deforestation and Sediment Transport in the Upper Ganga Catchment. Environ. Management, **88**, 53-61.

Yogesh P., Ganesh Prasad., Choubey, V.M. & Ramola. R. C. 2009. Geohydrological control on radon availability in groundwater. Radiation Measurements, **44**, 122-126.

Yogesh, P., Ganesh, P., Gusai, G.S., Ramola, R.C. & Choubey, V.M. 2008. Soil exhaulation rate from soil samples of south Kumaun, Lesser Himalaya, India. Radiation Measurements, **43**(SUPPL.1), S369-S374.

Papers In-press/ Comm.

Agarwal, K.K., Bali, R., Kumar, G.M., Singh, P.V. & Srivastava, P. 2009. Active Tectonics in and around Kimin - Ziro area, Lower Subansiri District, Arunachal Pradesh, NE India. Zietschrift Fur Geomorphologie (in press).

Asthana, A.K.L. & Bist, K.S. Basan slip zone: its causes and mitigation measures, Yamuna valley, Uttarakhand. Journal of Indian Landslides (comm).

Asthana, A.K.L. & Pal, D. Landform Evolution of Mandakini Basin Garhwal Himalaya, Uttaranchal, India. In: Geomorphology in India Special Felicitation Volume, Department of Geography, Allahabad University (in press).

Bartarya, S.K., Sharma A. & Khanna, P.P. Hydrochemistry of water from Indus Suture Zone in Ladakh Himalaya: Effects of bedrock geology and tectonics on chemical weathering. J. Hydrology (comm).

Bhandari, A., Mohabey, D.M., Bajpai, S., Tiwari, B.N. & Pickford, M. Early Miocene mammals from central Kutch (Gujarat) western India: Implications for geochronology, biogeography, eustacy and intercontinental dispersals N Jb. Geol. Pal. Abh. (in Press).

Bhandari, K. & Rawat, R.S. 2009. Melt temperatures of some selected granites in space and time from Northwestern Himalaya, India. Japanese Jour of Petrology and Mineralogy (comm).

Bhandari, K. & Rawat, R.S. 2009. Spatial distribution of triclinicity of alkali feldspars in some Nortwestern Himalayan granites and their implications. J. Geology (comm).

Brook, G.A., Srivastava, P. Brook, F.Z., Robbins, L.H., Campbell, A.C. & Murphy, M.L., 2009. OSL chronology from sediments and MSA artefacts at the Toteng quarry, Kalahari Desert, Botswana. South African Archaeological Bulletin (in press).

Chaujar, R.K. Climate change and its influence on various stages of deglaciation of Chorabari and Dokriani glaciers, Garhwal Himalaya, India. In: Seminar - 6th European Congress on Regional Geoscientific Cartography and Information System to be held at Munich, Germany from 9-12 June, 2009 (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 Geomorphology, Allahabad (in press).

Ghosh, S.K., Ray, Y. & Sinha S. Soft sediment deformation structures: Seismites or penecontemporaneous, a

RESEARCH PUBLICATIONS

case study from the Proterozoic Lesser Himalaya, India. Current Science (comm).

Ghosh, S.K., Sinha S. & Kumar, R. 2009. Response of 10 ma thrusting events in the Himalayan foreland sediments, Kangra sub- basin. Himalayan Geology (in press).

Gupta, V. Non-destructive testing of some Higher Himalayan Rocks in the Satluj Valley. Bull. Engineering Geology and the Environment (in press).

Gupta, V. Evaluation of landslides in the Satluj valley, Northwestern Higher Himalaya, India. Bull. Indian Geological Congress, Roorkee (in press).

Gupta, V., Mazari, R.K. & Rautela P. Engineering Geological Characterization of a landslide on the slope of Mansa Devi Hill near Haridwar, Uttarakhand. Current Science (comm).

Gupta, V. & Sah, M.P. Field Assessment of Surface Hardness of Rocks using Schmidt Hammer as a function of Elevation: Study from Satluj Valley, Northwesetrn higher Himalaya, India. International Journal of Geotechnics and Environment (in press).

Gupta, V. & Sharma R. Measuring Strength Properties of Rocks of the Alaknanda Valley using a Schmidt Hammer: Preliminary Results. Current Science (comm).

Gupta, V., Sharma R. & Sah, M.P. An evaluation of surface hardness of natural and modified rocks using Schmidt hammer: Study from Northwestern Himalaya, India. Geografiska Annaler (in press).

James, L.E., Allen, P.A., Le Guerroué, E., Heaman, L., Ghosh, S.K. & Islam, R. The Blaini Formation of the Lesser Himalaya, Northwest India. IGCP 512 volume (comm).

Jayangondaperumal, R., Dubey, A.K. & Sen, K. 2009. Neotectonic stresses, superimposed deformation and seismicity in the western Himalaya: magnetic fabric studies. Journal of Geological Society of India (comm).

Jowhar, T.N. Tourmaline and its Petrological Applications. The Indian Mineralogist (comm).

Khanna, P.P., Ahmad, T& Islam, R. Effect of acidification in water samples before and after filteration: A caution for hydro-geochemical studies. Current Science (in press).

Khanna, P.P. & Siddaiah, N.S. Determination of palladium and platinum in Refractory Samples with Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) using Improved NiS Fire Assay. Himlayan Geology. (comm).

Kohn, M.J., Paul S.K. & Corrie, S.L. The lower Lesser Himalayan Sequence: a Paleoproterozoic continental arc margin to the northern Indian Plate. Bull. Geol. Soc. America (comm).

Kumar, D., Sriram, V., Sarkar, I. & Teotia, S.S. (2008) An Estimate of a Scaling Law of Seismic Spectrum for Earthquakes in Himalaya, Indian Minerals, (in press)

Kumar, D., Teotia, S.S. & Sriram, V. 2009. Simulation of Earthquake strong ground motions using envelope functions with random source. PAGEOPH (comm).

Kumar, S. 2009. Estimation of Crustal Q_{β} in the Hazara–Kashmir syntaxis region, NW Himalaya, using teleseismic broadband SH waveforms of the October 8, 2005 Kashmir earthquake. (comm).

Kumar, S. & Chabak S. 2009. Seasonal variations observed in the seismicity of the NW Himalaya, India. (comm).

Kumaravel, V. Sangode, S.J. Siddaiah, N.S. & Kumar, R. Major element geochemical variations in a Miocene-Pliocene Siwalik Paleosol sequence: Implications to Soil forming processes in the Himalayan Foreland Basin. Jour. Geol. Soc. India. (in press).

Kumaravel, V., Sangode, S. J., Siva Siddaiah, N. and Kumar, R. Magnetic susceptibility relationship with Munsell Soil color and Geochemical parameters in the paleosol sequences from the Himalaya: An example from Pliocene-Pleistocene Siwalik paleosols NW Himalaya, India. Geoderma. (comm).

Lokho, K., Raju, D.S.N. & Azmi, R.J. Paleoenvironmental and biostratigraphic significance of uvigerinids and other foraminifera from the Bhubhan Formation, Mizoram, Assam-Arakan Basin, NE India. Curr. Sci. (comm).

Mahajan, A.K., Arora B.R., Chauhan N., Srivastava P. & Ghosh, S.K. Subsurface architecture of Dehra Dun fan, frontal Himalaya deduced from multichannel analysis of surface waves. Quaternary International (comm).

Mahajan, A.K. Thakur, V.C. & Chauhan M. 2007. Probabilistic Seismic Hazard Map of NW Himalaya and its adjoining area, India. Natural Hazards. (in press).

Mayr, G., Rana, R.S., Rose, K.D., Sahni, A., Kumar, K., Singh, L. & Smith, T. 2009. Stem group representatives of the Psittaciformes birds (parrots) from the early of India. Journal of Vertebrate Paleontology. (comm).

Misra, D.K. Srivastava, P. River response to continuing movements along the active faults in the Siang Valley, North-Eastern Himalaya, India. Zietschrift Für Geomorphologie (comm).

Mukherjee, B.K. & Sachan, H.K. Fluids in coesite-bearing rocks of the Tso Morari Complex, NW Himalaya: evidence for entrapment during peak metamorphism and subsequent uplift. Geological Magazine (in press).

Mundepi, A.K., Lindholem, C. & Kamal. Soft soil mapping using Horizontal to Vertical Spectral Ratio (HVSR) for seismic hazard assessment of Chandigarh in Himalayan foothills, North India. J. Geol. Soc. India (comm.).

Nayak, B., Singh, A.K., Upadhyay, A.K. & Bhattacharyya, K.K. A Note on the Characters of some Lower Gondwana Coals of West Siang District in the Arunachal Himalaya and their Trace Element Content. Journal Geological Society of India (comm).

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 in North -West Indian Himalaya. Journal of Environmental Management. (comm).

Pandey P., Kumar, R., Suresh, N., Sangode, S.J. & Pandey, A. K. Soft sediment deformation in contemporary reservoir sediment: a repository to recent major earthquake events in Garhwal Himalaya. Journal of Geology. (in press).

Patnaik, R. & Nanda, A.C. 2008. Early Pleistocene mammalian faunas of India and evidence of connections with other parts of the World. Stony Brook Volume, USA (in press).

Paul, A. 2008 Evaluation and implications of seismic events in Garhwal-Kumaun region of Himalaya. (comm).

Paul, M., Nigel, Myrow, Hughes, C., Searle, M.P., Peng, S.C. & Parcha, S.K. Stratigraphic correlation of Cambrian–Ordovician deposits along the Himalaya: Implications for the age and nature of rocks in the Mount Everest region. Geological Society of America Bulletin (in press).

Paul, S.K. Diachronous India Asia collision_ Evidence from Indus SutureZone, eastern Ladakh, NW Himalaya. Ofioliti (comm).

Paul, S.K. Tectonic setup of ophiolite and ophiolitic mélange of the Indus Suture Zone, Eastern Ladakh. Memoir, Geol. Soc. India (comm).

Phartiyal, B., Sharma, A., Srivastava, P. & Ray, Y. 2009. Chronology of relict lake deposits in the Spiti River, NW Trans Himalaya: Implications to Late Pleistocene-Holocene climate tectonic perturbations. Geomorphology. (in press).

Phartiyal, B., Srivastava, P. & Sharma, A. Tectono-Climatic history of the Upper Spiti Valley, NW Himalaya during late Quaternary Period. Himalayan Geology (comm).

Philip, G., Virdi, N.S. & Suresh, N. Morphotectonic evolution of Parduni basin: An intradun piggyback basin in western Doon Valley, NW Outer Himalaya. Geol. Soc. India (comm).

RESEARCH PUBLICATIONS

Pickford, M., Bhandari, A., Bajpai, S., Tiwari, B.N. & Mohabey, D.M. Miocene terrestrial mammals from Circum-Indian Ocean: Implications for geochronology, biogeography, eustacy and Himalayan orogenesis. (comm).

Purohit, K.K., Saini, N.K. & Khanna, P.P. Geochemical dispersion pattern of heavy metal abundances in intermontane Pinjaur Dun sub Himalaya. Environmental Geology (comm).

Rameshwar Rao, D. & Sharma, R. Petrogenesis of the granitoid rocks from Askot Crystallines, Kumaun Himalaya. J. Geol. Soc. India (in press).

Rai, S.K., Singh, S.K. & Krishnaswami, S. 2009. Chemical weathering in the Plain and Peninsular sub-basins of the Ganga drainage: Impact on Major ion chemistry and Elemental Fluxes of the Ganga. Geochimica et Cosmochimica Acta (comm).

Rajesh S. Geoid and the regional density anomaly field in the Indian plate. Him. Geol. (in press).

Raju, D.S.N. & Lokho, K. Stautus of bio-chrono-sequence stratigraphic and depositional environments of NE India, Bangladesh and Myanmar-with two charts and explanatory notes. J. Goel. Soc. India. (comm).

Raju, D.S.N. & Lokho, K. Chart- NE: Biochronostratigraphy, preserved record, microfossil markers and sequence surfaces, Northeast India. J. Goel. Soc. India (comm).

Raju, D.S.N., Lokho, K., Ramesh, P., Kumar, G., Mishra, R., Dhillon, B.S., Singh, Birendra, P., Prasad, N., Upreti, J. Mega charts-IVB: Stratigraphic units, Paleobathymetry (paleoenvironments), Thickness and Major hiatuses of the Phanerozoic of Northeast India, Bangladesh, Myanmar and Bhutan. J. Goel. Soc. India (comm).

Rose, K.D., Rana, R.S., Sahni, A., Kumar, K., Missiaen, P., Singh, L. & Smith, T. 2009. Early Eocene Primates from Gujarat, India. J. Human Evolution (in press).

Rose, K.D., Rana, R.S., Sahni, A., Kumar, K., Singh, L. & Smith, T., First tillodont mammal from India: additional evidence for an early Eocene faunal connection between Europe and India? Acta Palaeontologica Polonica (in press).

Sangode, S.J. & Paul S.K. Palaeomagnetic and rock magnetic studies on somelitho- tectonic units in the Ladakh Himalaya: Implications to tectonic rotations and palaeo-latitude reconstructions in the Indus Suture Zone, NW Himalaya. Ed. K. B.Power, Kluger Academic Press, New Delhi (in press).

Saxena, A., Sachan, H.K., & Mukherjee, P.K. Fluid-Rock interaction across the south Tibetan detachment, Garhwal Himalaya(India): Mineralogical and Geochemical Changes. European Journal of Mineralogy (comm).

Sen, Koushik, Mukherjee, B.K. & Sachan, H.K. Field and microstructural analysis of the Pangong Granodiorite, Ladakh (NW India): Implications for tectonics along the Karakoram Fault Zone. Current Science (in press).

Siddaiah, N.S. Petrography, geochemistry and origin of Chert Breccia at Kalakot (Jammu and Kashmir), NW Himalaya, India. Current Science (comm).

Siddaiah, N.S. & Kumar, K. Tonstein (volcanic ash) from Late Paleocene-Middle Eocene sediments of the northwest Himalaya and its significance for the timing of India-Asia Collision. Mem. Geol. Soc. India (comm).

Siddaiah, N.S. & Kumar, K. Discovery of Minamiite from the Deccan volcanic province, India and implications for Martian surface exploration. Curr. Sci. (comm).

Singh, A.K. High-Al chromian spinel in ultramafic rocks of Manipur Ophiolite Complex, Indo-Myanmar Orogenic Belt: implication for petrogenesis and geo-tectonic setting. Curr. Sci. (in press).

Singh, A.K. Geochemistry and Platinum Group of Elements (PGE) of ultramafic rocks and chromites of Manipur Ophiolitic Complex, Northeast India. In: Kumar, Santosh (ed.), Magmatism, Tectonism and Mineralization. Macmillan Pub. India Ltd. New Delhi. (in press).

Singh, A.K. & Vallinayagam, G. Radioactive element distribution and rare-metal mineralization in Anorogenic acid volcano-plutonic rocks of the Neoproterozoic Malani Felsic Province (MFP), Western Peninsular India. J. Geol. Soc. India (in press).

Singh, A.K. Ibotombi Singh, N., Devala Devi, L. & Ranjit, Th. Mineralogy and geochemistry of ultramafic rocks of northern Manipur Ophiolitic Complex, Indo-Myanmar Orogenic Belt, NE India. Him. Geol. (in press).

Singh, K. Reactivation in the hangingwall of Main Central Thrust: an example of Break-back thrust for the development of Kishtwar window, northwest Himalaya, India. J. Asian Earth Sci. (comm).

Singh, K. Kinematic analysis of opposite vergent synclines associated with a regional scale box fold in an overthrust sheet, Chamba-Lahaul region, northwest Himalaya, India. Gondwana Res. (comm.).

Singhvi, A.K., Rupakumar, K., Meloth, T., Gupta, A.K., Kale, V.S., Yadav, R.R., Bhattacharyya, A., Phadtare, N.R. & others. Instrumental, terrestrial and marine records of the climate of South Asia during the Holocene: Present status, unresolved problems and societal aspects. In: Mitra, A.P. & Sharma, C. (eds), Global Environment Changes in South Asia: A Regional Perspective. Capital Publishing Company, New Delhi.

Sinha, S., Sen, K., Sangode, S.J., Kumar, R. & Ghosh, S.K. Sedimentology and AMS studies along a part of the Siwalik Foreland Basin: Implications for tectono-sedimentary expression, Nurpur Salient, NW Himalaya, India. Curr. Sci. (in press).

Sinha, S., Suresh, N., Rohtash Kumar, Dutta, S. & Arora, B.R. Sedimentologic and geomorphic studies on the Quaternary landscape evolution along the Ganga exit. Quaternary Intl. (comm).

Srivastava, P., Misra, D.K., Agrawal, K.K., Bhakuni, S.S., & Lurie, K. Late Quaternary Evolution of Ziro intermontane Lake basin, NE Himalaya, India. Him. Geol. (comm).

Suresh, N. & Kumar, Rohtash. Variable period of aggradation and termination history of two late Quaternary alluvial fans in the Soan Dun, NW sub Himalaya: impact of tectonic and climate. Him. Geol. (comm).

Taverne, L., Kumar, K. & Rana, R.S. 2009. Complement to the study of the Indian Paleocene osteoglossid genus Taverneichthys (Teleostei, Osteoglossomorpha). Bull. de l'Institut Royal des Sciences Naturelles de Belgique, Sciences de la Terre. (comm).

Tewari, V.C. 2009. Speleothems from the Himalaya and the Monsoon : A preliminary study. In : Tandon, S.K. & Bhattacharyya, A.R. (eds), Advances in Earth Science, Series 1 , 2009. The Society of Earth Scientists, Lucknow (in press).

Tewari, V.C., Kumar, K., Lokho, K . & Siddaiah, S., Lakadong Limestone: A post Cretaceous – Paleogene (K/ Pg)carbonate sedimentation in Meghalaya, India. Curr. Sci. (comm).

Tewari, V.C. & Sial, A.N. Ediacaran Chemostratigraphy of the Lesser Himalaya, India. Precambrian Res. (comm).

Thakur, V.C., Jayangondaperumal, R., Suresh, N. 2009. Late Quaternary-Holocene fold and landform generated by morphogenic earthquakes in Chandigarh anticlinal ridge in sub-Himalaya. Him. Geol. (in press).

Thayyen, R.J, Gergan J.T. & Dobhal D.P. 2009. Suspended sediments transfer in a Himalayan headwater stream: Glacier Vs Monsoon. In: Proceeding of the International conference on Water, Environment, Energy and Society. Allied Publishers, New Delhi, 1, 385-391

Tiwari, M. & Pant, Indu. Microfossils from the Neoproterozoic Gangolihat Formation, Kumaun Lesser Himalaya: their stratigraphic and evolutionary significance. J. Asian Earth Sci. (comm).

Whiso, K. Tiwari, B.N. Bajpai, S. Cooper, L.N. & Thewissen, J.G.M. Fossil Mammal From Marine

RESEARCH PUBLICATIONS

Eocene Jaintia Group of Mikir Hills in Assam, Northeastern India. J. Pal. Soc. India (comm).

Technical Reports

Bartarya, S.K. & Asthana, A.K.L 2009. Geological report for the stabilization of Landslides along roads in Mussoorie Area, submitted to PWD, Dehradun

Dobhal, D.P. 2008. Interpretation of Observed data on Himalayan Glaciers (Chapter-4), Assessment Report on Himalayan Glaciers, submitted to Study group on Himalayan Glaciers constituted by Principal Scientific advisor to Govt. of India.

Gupta, Vikram & Asthana, A.K.L. 2008. Report on the Kangsali and Vallambitta Landslides on Motna - Madan Negi Motor Marg, New Tehri, Uttarakhand submitted to PWD, New Tehri, Borari with 11p. and 8 figs.

Gupta, Vikram & Asthana, A.K.L. 2009. Geological report on a part of the Lakhsyari – Ludhera – Kyari - Kachta Motor Marg and the Rani Gaon Link Road district Dehra Dun, Uttarakhand submitted to PWD, Sahiya (Kalsi) with 11p. and 8 figs.

Mazari, R.K. & Gupta, Vikram 2008. Report on the stabilization of Mansa Devi hill slope, Haridwar for Technical Committee, Government of Uttarakhand constituted for the study of Mansa Devi hill slope stabilisation.

Mazari, R.K., Gupta, Vikram & Bist, K.S. 2008. Report on the geological investigation of open channel section of Madhyamaheshwar Small Hydro Project, District Rudraprayag, Uttarakhand, submitted to Uttarakhand Jal Vidyut Nigam Ltd (UJVNL) with 11p. and 9 figs.

Mazari, R.K., Sah M.P. & Bhakuni, S.S. 2008. Geological Feasibility of the Jadh Ganga and Karmoli Hydro Electric Projects, District Uttarkashi Uttarakhand submitted to THDC, Rishikesh with 9p. and 5 figs.

Negi, P.S. 2008. Feasibility report pertaining to Forest Work Plan of Ramnagar forest division, District Nainital, Uttrakhand for the year 2008-09 to 2017-18.

Sah, M.P. & Bhakuni, S.S. 2008. Geological Feasibility report for the proposed reconstruction of residential blocks of Uttam Investment Pvt. Ltd, Tulimate Estate, Mussoorie.

Sah, M.P. & Bhakuni, S.S. 2008. Geological Feasibility Report of Proposed Alignment of Nainital By-Pass Road, Uttarakhand submitted to PWD Nainital with 10p. and 7 figs.

Sah, M.P., Bist, K.S. & Gupta, Vikram 2008. Geological Feasibility of Rambara Hydroelectric Project (RHEP) submitted to Additional Secretary (Energy), Department of Energy, Govt. of Uttarakhand

Sah, M.P. & Vikram Gupta 2008. Geological Feasibility of a site for the proposed residential house at Chaman Estate, Mussoorie.

Siddaiah, N.S. 2008. DST Project Report on "Mineralogical and Geochemical studies of sediments from the Kakara-Subathu Succession (Paleocene-middle Eocene), NW Himalayan Foothills" submitted to DST, New Delhi.