

<i>SECTION</i>	<b>EARTH SYSTEM SCIENCES</b>
<b>Sectional President</b>	<b>Prof. Pramod K. Verma</b> , Madhya Pradesh Council of Science and Technology, , Bhopal
<b>Local Sectional Secretary</b>	<b>Prof. A. K. Rath</b> , K.I.I.T. University, Patia, Bhubaneswar
<b>Sectional Recorder</b>	<b>Prof. K. K. Agarwal</b> , Lucknow University, Lucknow

<b>January 04, 2012</b>	
<b>14:00 – 17:30</b>	
Venue	: Campus-3, Hall D1, KIIT University
<b>Presidential Address</b>	: <b>Pramod K. Verma</b> , Madhya Pradesh Council of Science and Technology, , Bhopal <i>Innovative Earth Science: Search for Water in Space</i>
<b>Platinum Jubilee Lecture</b>	: <b>Shailesh Nayak</b> <i>Earth System Science in India: A perspective</i>
<b>K P Rode Memorial Lecture</b>	: <b>A.C. Chatterjee</b> <i>The Enigmatic Vindhyan Rocks</i>
<b>Young Scientist Award Presentation</b>	: <b>Poulomi Ghosh</b> <i>Sustainable Development of Groundwater Resource through Spring Line Determination in Chhatna Block, Bankura District, West Bengal – A GIS approach</i>
<b>Presentation/Invited lectures - Foreign Scientists</b>	<b>Rajiv Thakur</b> , University of Tennessee, Knoxville TN <i>Science and Technology indicators in India: Policy Geography</i>
	<b>Mamdouh M. Abdeen</b> , Associate Professor of Structural Geology <i>Egypt in the framework of global tectonics</i>
	<b>Shanti Reddy, Australia</b>
	<b>Mohammad Kavei</b> , University of Hormozgan, Bandarabbas, IRAN <i>Relationships of modified mercalli intensity with return period and pick ground acceleration for hormozgan province in Southern part of Iran</i>
<b>SECTIONAL COMMITTEE ELECTION</b>	

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<b>January 05, 2012</b>	
<b>14:00 – 17:30</b>	
Venue	Campus-3, Hall D1, KIIT University
<b>Symposium</b>	
<b>Invited Lectures</b>	<b>O.P. Varma, Roorkee</b> <i>Recent innovations in earth sciences: role of women geoscientists in channelizing emerging benefits</i>
	<b>A.B. Roy, Presidency University, Kolkata</b> <i>Tsunami: its origin, earthquake link and prediction</i>
	<b>Ajai, Space Applications Centre (ISRO), Ahmedabad</b> <i>Space technology in studying the impact of climate change</i>
	<b>V. K. Verma, University of Delhi, New Delhi</b> <i>Emerging geo-frontiers for human welfare and prosperity – dimensions and innovations</i>
	<b>M. K. Pandit, University of Rajasthan, Jaipur</b> <i>Earth sciences: a recipe for people's prosperity</i>
	<b>Prakash Chauhan, Space Applications Centre (ISRO), Ahmedabad</b> <i>Lunar surface composition using Chandrayaan-1 hyperspectral instruments</i>
<b>Invited Lectures/ Oral Presentations</b>	
<b>Two Parallel Sessions</b>	
<b>A - Earth Resources</b> Campus-3, Hall D2, KIIT University	<b>K. L. Shrivastava, Jai Narain Vyas University, Jodhpur</b> <i>Integrated exploration of "Calcrete type Uranium" in Indian desert using high resolution Ground Penetrating Radar</i>
	<b>G S Khuntia, Mega Steel Plants, &amp; Director, OMC Ltd, IIMCS, Bhubaneswar,</b> <i>Status of iron ore resources development in context of investment in steel sector in india with special references to Odisha state, threats, oppourtunities &amp; roadmap</i>
	<b>R. K. Sahoo, IMMT, Bhubaneswar.</b> <i>Ore atlas – an useful document in mineral processing and utilisation</i>
	<b>R. S. Rawat, Wadia Institute of Himalayan Geology, Dehra Dun</b>

		<i>Mineralization in the Uttaraanchal Himalaya with specific reference to some possible sites for mining of polymetallic sulphides in future</i>
		<b>C. P. Dadhich</b> , Jai Narain Vyas University, Jodhpur <i>Geological characterization and genetic modeling of fluorite deposit at Karada in Neoproterozoic Malani Igneous Suite, India</i>
		<b>K.C. Sahoo</b> , Geological Survey of India, Bhubaneswar <i>Discovery of a PGE deposit near Bangur, Kendujhar district, Orissa</i>
		<b>Suneel K. Joshi and P.K.Verma</b> , M P Council of Science & Technology, Bhopal <i>Mineral potential zone identification using remote sensing techniques, a case study of S-E Rajasthan</i>
		<b>R. K. Martha</b> , Institute of Minerals and Materials Technology, Bhubaneshwar, <i>Study on Chromitite within Eastern Ghats around Asurabanda – Moulabhanj arae, Dhenkanal dist, Orissa, India</i>
		<b>Meenu Verma</b> , National Institute of Technology Jamshedpur <i>Bio-Mining from Metal contaminated sites</i>
<b>B – Climate Science</b> Campus-3, Hall D3, KIIT University		<b>Vinod C. Tewari</b> Wadia Institute of Himalayan Geology, Dehradun <i>Speleothems, holocene paleoclimat, monsoon and tectonic implications : evidences from NW Himalaya and the Shillong plateau, NE India</i>
		<b>G. K. Panda</b> , Utkal University, Bhubaneswar <i>Multi-hazard risk zoning using relative vulnerability and human risk to natural hazards</i>
		<b>R. K. Tiwari</b> , CSIR-National Geophysical Research Institute, Hyderabad <i>Modelling of rainfall and extreme temperature variability records using the EOF spectra and artificial neural network</i>
		<b>Avtar Singh Jasrotia</b> , University of Jammu, Jammu <i>Assessing the impact of climate change on hydrological regime of Chenab basin in Western Himalayas</i>
		<b>Yama Dixit</b> , University of Cambridge, UK <i>A climate record from lake Riwasa, Haryana, India: a stable isotopic study</i>
		<b>Sunjay and Rakesh Kumar Mahindra</b> , BHU , Varanasi <i>Carbon capture and storage technology :</i>

	<i>Geosequestration</i>
	<b>Lokeswara Rao Neyyala</b> , Adikavi Nannaya University, Andhrapradesh <i>Climate change</i>
	<b>Peeyoosh Bajpayee</b> , Barkatullah University, Bhopal <i>Monitoring of vertical aerosol flux using Lidar-Radar observation over Pune, India</i>
	<b>Ashish Routray</b> , NCMRWF, Ministry of Earth Sciences, Govt. of India, Noida <i>Simulation of convective rainfall events associated with monsoon system using WRF-3DVAR analysis system</i>

**Concurrent Poster Session –I - 45 Nos.**

<b>January 06, 2012</b>	
<b>14:00 – 17:30</b>	
Venue	Campus-3, Hall D1, KIIT University
<b>Symposium</b>	
Invited Lectures	<b>Harsh Gupta</b> , National Geophysical Research Institute, Hyderabad <i>Reservoir triggered Seismicity at Koyna, India</i>
	<b>Baleshwar Thakur</b> , L N Mithila University, Darbhanga, Delhi <i>Morphodynamics of Delhi Region</i>
	<b>Anshu Kumar Sinha</b> , Vigyan Vihar, Gurgaon <i>Himalayan mountain building ,tectonic framework and disaster management in the light of innovative Earth Science</i>
	<b>V.P. Dimri</b> , National Geophysical Research Institute (CSIR), Hyderabad <i>Tsunami simulation in Indian scenario and a possible approach for early warning</i>
	<b>Arun Kumar</b> , Manipur University, Manipur <i>Active deformations in Manipur: Multidisciplinary Evidences</i>
	<b>Vineet K. Gahalaut</b> , National Geophysical Research Institute, Hyderabad <i>Crustal deformation studies in India using GPS</i>
	<b>B. P. Singh</b> , Banaras Hindu University, Varanasi <i>Paleoclimatic implications of the Paleosols occurring in the early sequences of the Western Himalayan Foreland Basin</i>
	<b>T. N. Jowhar</b> , Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand <i>Diffusion modeling studies in minerals and its geological applications</i>
	<b>G. Parthasarathy</b> , FRSC, National Geophysical Research Institute, Hyderabad <i>Nano-materials in earth and environmental sciences for societal prosperity and its sustainability</i>
<b>Invited Lectures/ Oral Presentations</b>	
<b>Three Parallel Sessions</b>	
<b>A - Water Resources</b> Campus-3, Hall D2, KIIT University	<b>A.K.Sinha</b> , University of Rajasthan, Jaipur <i>Morphotectonic study of the upper Bandi basin, Eastern Rajasthan, towards groundwater recharge zonation</i>
	<b>H. K. Sahoo</b> , Utkal University, Vani Vihar, Bhubaneswar <i>Groundwater resources and its quality in the drought-</i>

	<i>prone western parts of Orissa</i>
	<b>Avtar Singh Jasrotia</b> , University of Jammu, Jammu <i>Assessing the impact of land use change on the hydrological regime of the Tawi Catchment</i>
	<b>Devesh Walia</b> , Department of Environmental Studies, North-Eastern Hill University, Mawkyntroh, Shillong <i>Potential radiation hazards due to radon concentration in groundwater of Shillong agglomerate</i>
	<b>P. Behera</b> , Utkal University, Bhubaneswar <i>Water pollution studies in Talcher area, dist. Angul, Odisha, India</i>
	<b>B. V. Nadagouda</b> , Karnatak University, Dharwad <i>Application of Vertical Electrical Sounding (VES) technique to decipher groundwater potential zones around Muddapur village, Mudhol Taluk, Bagalkot district, Karnataka state</i>
	<b>Shreya Das</b> , Jadavpur University, Kolkata <i>Groundwater quality with emphasis on its Fluoride content – a study in Khoyrasole block, Birbhum district, West Bengal</i>
	<b>Vipul Suman</b> , A. N. College Patna <i>Study of groundwater condition in Tapin a coal mining zone of Hazaribagh district of Jharkhand state</i>
	<b>H. K. Sahoo</b> , Utkal University, Vani Vihar, Bhubaneswar <i>Hydrogeochemistry of Keonjhar, Keonjhar district, Orissa, India</i>
	<b>Niklesh Kumar</b> , Dr. H.S. Gour Central University, Sagar <i>Analysis of drainage density and frequency: a case study of Parbati basin</i>
<b>B – Miscellaneous</b> Campus-3, Hall D3, KIIT University	<b>Tejendra Singh Chouhan</b> , Rishiraj Institute of Technology, Indore <i>An improvement in method of oil spill recovery</i>
	<b>B.Rajasekhar and Anil Neerukonda</b> , Unisys Global Services India-Bangalore and Pydah College of Engineering, Vishakapatnam <i>An innovative frame work for water resource management for meeting the future energy requirements</i>
	<b>Kailash Choubey</b> , Dr. H.S. Gour University, Sagar <i>Health care practices among tribal population of upper Narmada basin MP : a study in health care geography</i>
	<b>Janardan Bhagt</b> , Binoba Bhave University, Hazaribagh, Jharkhand

	<i>Impact of mining activities and development on ecological system (a case study of Jharkhand state)</i>
	<b>Pratap K. Mohanty</b> , Berhampur University, Bhanjabihar <i>Impacts of ports and harbours on coastal geomorphology</i>
	<b>P.S.Dhinwa</b> , SAC, Ahmedabad <i>Potential of cartosat-2 satellite data for generation of land resources development plan at cadastral level - a case study of Dhund sub-watershed (2d2a5a), Jaipur district, Rajasthan</i>
	<b>R Baskar</b> , Guru Jambheshwar University, Hisar <i>Role of Geomicrobiology in enhancing understanding of earth processes: some solid examples</i>
	<b>Sanjay Singh Chauhan</b> , Dr. H.S. Gour Central University, Sagar <i>Spatial pattern and determinants of HIV/AIDS in Madhya Pradesh a study in medical geography</i>
	<b>T. V. Lakshmi Kumar</b> , SRM University Kattankulathur, Tamilnadu <i>Variability in precipitable water vapor – atmospheric residence times</i>
	<b>Ram Lagan Prasad</b> , Ram Krishna Dwarika College, Patna <i>Innovative earth science for people’s prosperity earthquake prediction: challenges and promises</i>
<b>C – Deformation and Tectonics</b> Campus-3, Hall D4, KIIT University	<b>Madhumita Das</b> , Utkal University, Bhubaneswar <i>Structural features associated with the pyrophyllite bearing rocks of Jamudih, Keonjhar District, Odisha</i>
	<b>Debadatta Swain</b> , NRSC/ISRO, Balanagar <i>Modeling the sonic layer depth in the Arabian sea</i>
	<b>Sumana Goswami</b> , CSIR-North-East Institute of Science & Technology, Jorhat Assam, <i>State of stress under pre and post seismic scenario along the rupture area due to great mw 9.1 Sumatra-Andaman earthquake of 2004 and its Kinematic implications</i>
	<b>Seema Gupta</b> , Deptt. of Physics, Agra College, Agra <i>Elastic properties of gold under high pressure</i>
	<b>. Laishram Sunil Singh</b> , Manipur University <i>The plate boundary between Indian and Myanmar determined by GPS</i>

	<p><b>D. Beura</b>, Utkal University, Bhubaneswar  <i>Tectonic setting and structural disposition of Archaean Schist Belt of Orissa, India</i></p>
	<p><b>Shiva Kumar V.Patil</b>, Indian Institute of Geomagnetism, Chamanganj, Allahabad  <i>Palaeomagnetic and rock magnetic investigations on the Intrusives of Singhbhum Craton</i></p>
	<p><b>K.K. Agarwal</b> Centre of Advanced Study in Geology, University of Lucknow, Lucknow  <i>Active Tectonics For Inclusive Geo-Hazard Management For Sustainable Development: Case Study From Kali River Valley, Kumaun Himalaya, India</i></p>

**Concurrent Poster Session –II - 45 Nos.**

<b>January 07, 2012</b>		
<b>14:00 – 16:00</b>		
Venue		Campus-3, Hall D1, KIIT University
<b>Symposium</b>		
<b>Invited Lectures</b>		<b>Manish A. Mamtani</b> , IIT, Kharagpur <i>Quantification of Microcrack anisotropy using fractal based methods – a step towards Mineral Exploration</i>
		<b>A.S. Rajawat</b> , SAC/ISRO, Ahmedabad - <i>Applications of space technology in disaster management</i>
		<b>Rana Pratap</b> , Magadh University, Bodhgaya <i>Innovative earth sciences for people's prosperity : a visualization</i>
		<b>Prabha Shastri Ranade</b> , Manjalpur, Vadodara <i>Innovative earth science for people's prosperity innovative mining policy and technology for people's prosperity</i>
		<b>J.P.Shukla</b> , Advanced Materials and Processes Research Institute, Bhopal, <i>Ecofriendly Geotextile : an innovative polymer substitute</i>
		<b>K. V. Krishna Murty</b> , Institute of Scientific Research on Vedas (I-SERVE), Alakapuri, Hyderabad <i>Earth quakes in Varahamihara's Brihat Samhita correlation with Modern Science</i>
<b>Invited Lectures/ Oral Presentations</b>		
<b>Parallel Sessions</b>		
<b>A - Petrology and Petrochemistry</b> Campus-3, Hall D2, KIIT University		<b>Hirdeya Chauhan</b> , University of Delhi, Delhi <i>Petrogenesis of the Archean TTG gneissic basement rocks of the Bundelkhand Craton of the Central India</i>
		<b>G.Vallinayagam</b> , Kurukshetra University, Haryana <i>Geochemistry of Pegmatites from Narnaul area of delhi supergroup rocks, Haryana state, Northern Peninsular India</i>
		<b>K.R.Hari</b> , Govt.V.Y.T.PG.Autonomous College, Durg, Chhattisgarh, <i>Trace element geochemistry and tectonic setting of Mafic Metavolcanics of Baghmara formation, Sonakhan Greenstone Belt, Central India</i>
		<b>K. N. Singh</b> , School Of Studies In Earth Science, Vikram University, Ujjain <i>Geochemical investigation of the Ghordewa coal</i>

		<i>seams, Korba coalfield, Chhattisgarh</i>
<b>B – Reminder of other sessions</b> Campus-3, Hall D3, KIIT University		
<b>GENERAL DISCUSSION AND RECOMMENDATIONS</b>		