

<b>SECTION</b>		<b>Earth System Sciences</b>
<b>Sectional President</b>	:	<b>Prof. J. P. Shrivastava</b> , Department of Geology, University of Delhi, Delhi
<b>Sectional Recorder</b>	:	<b>Dr. Bindhy Wasini Pandey</b> , Department of Geography, Delhi School of Economics University of Delhi Delhi
<b>Sectional Secretary</b>	:	<b>Prof. Amit Srivastava</b> , School of Civil Engineering, Lovely Professional University, Phagwara, Jalandhar, Punjab
<b>04 January 2019 (14:00 - 17:30)</b>		
<b>Sectional Committee Meeting</b>		
<b>Venue</b>	<b>Block 56A, Room -502</b>	
<b>Presidential Address</b>	<p><b>Prof. J. P. Shrivastava</b>, Department of Geology, University of Delhi, Delhi</p> <p><i>Geochemical flow stratigraphy, age and duration of volcano-sedimentary sequences from the eastern parts of the Deccan Traps, India</i></p>	
<b>Platinum Jubilee Lecture</b>	<p><b>Dr. Neloy Khare</b>, Ministry of Earth Sciences Prithvi Bhawan, Lodhi Road, New Delhi</p> <p><i>Extreme events in Geological Past due to climate change</i></p>	
<b>W D West Memorial Award Lecture</b>	<b>Dr. Srikantaswamy</b> , University of Mysore, Mysore	
<b>Young Scientist Award Presentations</b>	<p><b>Rupal Dubey</b>, Micropaleontology Laboratory, Geological Oceanography Division, National Institute of Oceanography, Dona Paula, Goa</p> <p><b>Amit Kumar</b>, Department of Geology, University of Delhi, Delhi</p> <p><b>Ankeeta. A. Amonkar</b>, CSIR- National Institute of Oceanography, Dona Paula, Goa</p> <p><b>Uma Vadapall</b>, CSIR-National Geophysical Research Institute, Hyderabad</p> <p><b>Mahesh Madhawrao Solankar</b>, Department of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)</p>	
<b>17.00 – 17.30</b>	<b>Sectional Committee Election</b>	

5<sup>th</sup> January 2019

**Parallel Technical Session 1A (14:15 - 15:30)**

**Venue** : **Block 56A, Room -502**

**Invited Lectures/ Oral Presentations**

**Invited lectures** : **Prof. Satyendra Casshyap**, Professor of Geology (Retd), Aligarh Muslim University  
*Climate Change: Evidence from geological record and its impact on Indian subcontinent*

: **Dr. Om Prakash Pandey**, CSIR Emeritus Scientist CSIR-National Geophysical Research Institute, Hyderabad  
*Progressive degeneration of Indian crust: Geological and Geophysical perspective*

: **Shri. M. B. Verma**, Atomic Minerals Directorate for Exploration and Research, Hyderabad  
*Uranium, rare metal and rare earth potential of India*

**Oral Presentations**

: **Prof. Ashu Khosla**, Department of Geology, Panjab University, Chandigarh  
*Biotic assemblages from the Deccan Trap associated sedimentary sequences of peninsular India: paleoenvironmental, biostratigraphical and paleobiogeographical implications*

: **Dr. Sucharita Pal**, Department of Geology, University of Delhi, Delhi  
*Cell Parametric and Interatomic Changes in Smectite Associated with the Jhilmili Intertrappean Bed, Central India: Evidences of K/PB Transition*

: **Ms. Meenakshi**, Department of Geology, University of Delhi  
*Evidences of Pedogenesis and Smectitization in Loess-Palaeosols of the Dilpur Formation, Kashmir, India: Late Quaternary Climatic Reconstruction*

**Parallel Technical Session 1B (15:45 -17:30)**

**Invited Lectures/ Oral Presentations**

**Invited lectures** : **Prof. Dilip Majumdar**, Department of Applied Geology, Dibrugarh University, Assam, NE

		<i>Opening the window of metal exploration in Karbi hills, NE India</i>
	:	<b>Prof. Devesh Walia</b> , Department of Environmental Studies, North Eastern Hill University, Shillong  <i>Study on active tectonics of Shillong plateau</i>
	:	<b>Prof. S. K. Patil</b> , Dr. K.S. Krishnan Geomagnetic Research Laboratory, Allahabad  <i>New palaeomagnetic and magnetic fabric investigations on the intrusives of Karanja region, East of Mumbai, India: constraints on the ages and magma flow directions of the Deccan Traps.</i>
	:	<b>Dr. Shaik A. Rashid</b> , Department of Geology, Aligarh Muslim University, Aligarh  <i>Paleo-weathering and Paleo-redox conditions of Early Cretaceous Black Shales of Giumal Formation from Spiti region, Himachal Pradesh, Tethys Himalaya</i>
	:	<b>Dr. Vamdev Pathak</b> , Ministry of Earth Sciences, Prithvi Bhavan, Delhi  <i>Paleomagnetic, AMS and magnetostratigraphic studies ON lava flows from Mandla lobe of the eastern Deccan volcanic province, India.</i>
	:	<b>Mr. Ajay Kumar</b> , CAS in geology, Panjab University, Chandigarh  <i>Structural diagenesis of Siwalik sandstones of the Himalayan foreland basin sediments on the basis of texture-fabric evidences in NW Himalaya (India)</i>
	:	<b>Mr. Virinder Pal Singh</b> , Department of Geology, University of Delhi, Delhi  <i>Mineral chemistry of giant plagioclase basalt: petrogenetic implications</i>
	:	<b>Ms. Yuvika Khanna</b> , CAS in geology, Panjab University, Chandigarh, India  <i>Geochemical evidences from Subathu sub-basin sediments for palaeoclimatic reconstructions during early stage of Himalayan orogen</i>

<b>5<sup>th</sup> January 2019</b>	
<b>Parallel Technical Session <u>2A</u> (14:15 - 15:20)</b>	
<b>Venue</b>	<b>: Block 56, Room -507</b>
<b>Invited Lectures/ Oral Presentations</b>	
<b>Invited Lectures</b>	<b>: Prof. O. P. Varma</b> , Indian Geological Congress, Headquartered at Roorkee  <i>Wherewithals of Geotechnologies as Means to Environmental Sustainability and Climate-Change</i>
	<b>: Dr. Ajai</b> , ES (CSIR), Space Applications Centre, ISRO, Ahmedabad  <i>Space technology for benefit of society</i>
	<b>: Dr. Brijesh K Bansal</b> , Scientist G, Ministry of Earth Sciences, Prithvi Bhavan, Lodhi Road, New Delhi, Delhi
<b>Oral Presentations</b>	
	<b>: Dr. P. K. Pradhan</b> , Department of Physics, S V University, Tirupati  <i>Simulation of cloud burst events over Uttarakhand during Southwest Monsoon Season of 2018: Sensitive of cloud microphysics</i>
	<b>: Mr. Ravindra D. Rasal</b> , Maharaja Ranjit Singh Institute, Nanded, Maharashtra  <i>Precognition of Earthquake by gravitational type of waves</i>
<b>Tea break (15:20-15:45)</b>	
<b>Parallel Technical Session <u>2B</u> (15:45 – 17:00)</b>	
<b>Invited Lectures/ Oral Presentations</b>	
<b>Invited Lectures</b>	<b>: Prof. R. B. Singh</b> , Department of Geography, Delhi School of Economics, University of Delhi, Delhi  <i>Geography, Climate Change and Environmental Sustainability: Indian Experiences</i>
	<b>: Dr. Benidhar Deshmukh</b> , Discipline of Geology, School of Sciences, Indira Gandhi National Open University, New Delhi  <i>Geological Applications of Geospatial Technology: Potentials, Constraints and Recent Advances</i>
<b>Oral Presentations</b>	

	:	<b>Dr. Pranjal Dubey</b> , Department of Environmental Studies, North eastern Hill University, Shillong, Meghalaya  <i>Climate Change Resilience Analysis: Issues and Challenges</i>
	:	<b>Ms. Bidisha Bayan</b> , Department of Environmental Studies, North eastern Hill University, Shillong, Meghalaya  <i>Speleothems and their use as Climate Archives in Shillong Plateau</i>
	:	<b>Mr. Pawan Kumar Thakur</b> , G. B. Pant NIHESD, Mohal- Kullu, H.P.  <i>Land Surface Temperature Retrieval of Landsat-8 Data Using Split Window Algorithm- A Case Study of Delhi City, India</i>
	:	<b>Mr. K. Vijayakumar</b> , Department of Physics, Sri Venkateswara University, Tirupati  <i>Long-term aerosol features over a tropical urban station in India using AERONET data: Direct sun products</i>

6<sup>th</sup> January 2019

**Parallel Technical Session 1C (14:15 - 15:35)**

**Venue** : **Block 56A, Room -502**

**Invited Lectures/ Oral Presentations**

**Invited Lectures** : **Shri Sandeep Hamilton**, Additional Director (R & D), Atomic Minerals Directorate for Exploration and Research, Department of Atomic Energy, Shillong.

*Atomic minerals resources of North East, India*

: **Prof. K. L. Shrivastava**, Department of Geology, Jai Narain Vyas University, Jodhpur

*Lithium and Berellium bearing Post- Delhi Supergroup Pegmatites at Rajgarh, District Ajmer, Rajasthan*

: **Dr. T. N. Jowhar**, Scientist 'F' (Retd.), Wadia Institute of Himalayan Geology, Dehra Dun

*Current Trends of Mathematical Geology in the Earth Sciences*

: **Prof. K. R. Hari**, School of Studies in Geology & WRM, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

*Deccan Large Igneous Province: A Synthesis*

**Oral Presentations**

**Oral Presentations** : **Dr. Deva Ram Meghwal**, Department of Geology, Govt. Dungar College, Bikaner

*Assessment of mineralization potential in granites of northeast of Jodhpur, Malani Igneous Suite, northwestern Rajasthan.*

: **Ms. Rashmi Sharma**, Department of Geology, University of Delhi, Delhi

*Clay Mineralogical Studies on Unconformity Related Uranium Deposits of the Bijawar Basin, Central India*

**Tea break (15:35-15:50)**

**Parallel Technical Session 1D (15:50 – 17:30)**

**Chairperson: Shri Sandeep Hamilton and Prof. K. L. Shrivastava**

**Recorder: Dr. Deva Ram Meghwal**

**Invited Lectures/ Oral Presentations**

**Invited Lectures** : **Shri A. K. Bhatt**, Additional Director (Operations II), Atomic Minerals Directorate for Exploration and Research, Hyderabad.

		<i>Southern Indian craton: A potential domain for uranium and other atomic mineral resources.</i>
	:	<b>Prof. P. K. Kathal</b> , Department of Applied Geology, Dr. Harisingh Gour Vishwavidyalaya, Sagar  <i>On establishing 'quasi-oceanic affinity' of some traps of the Deccan Volcanic Province (DVC) based on geochemical and paleobiological signatures from Central India</i>
	:	<b>Prof. Ashu Khosla</b> , Department of Geology, Panjab University, Chandigarh  <i>Biotic assemblages from the Deccan trap associated sedimentary sequences of peninsular India: paleoenvironmental, biostratigraphical and paleobiogeographical implications</i>
<b>Oral Presentations</b>		
<b>Oral Presentations</b>	:	<b>Prof. A. R. Chaudhri</b> , Centre of Excellence for Research on the Saraswati River, Kurukshetra University, Kurukshetra  <i>Saraswati River in Haryana- New Findings</i>
	:	<b>Dr. Gurmeet Kaur</b> , CAS in Geology, Panjab University, Chandigarh  <i>Heritage stones vis-à-vis Architectonic heritages from North India</i>
	:	<b>Mr. Manpinder Kaur</b> , Department of Geology, Panjab University Chandigarh  <i>Ostracods and charophytes biostratigraphy and lithofacies from the Late Cretaceous Lameta Formation at Jabalpur, Madhya Pradesh, India</i>
	:	<b>Mr. Sachin Kania</b> , Department of Geology, Panjab University, Chandigarh  <i>Late Cretaceous charophytes from Cretaceous- Paleogene transition of Jhilmili, Central India: palaeoenvironment and palaeogeographical implications</i>
<b>Poster Presentation</b>		

6<sup>th</sup> January 2019

**Parallel Technical Session 2C (14:15 - 15:45)**

**Venue** : **Block 56A, Room -507**

**Invited Lectures/ Oral Presentations**

**Invited Lectures** : **Dr. Kishor Kumar**, Chief Scientist, CSIR-Central Road Research Institute, New Delhi  
*Slope management system for safe and sustainable highway infrastructure in the Himalaya*

: **Prof. Trilochan Singh**, Arunachal University of Studies, 170/DG-III, Vikas Puri, New Delhi  
*Priority Areas for Sustainable Developmental Activities in Geodynamically Restless Arunachal Pradesh*

: **Prof. M. R. Raman**, Department of Physics, Sri Venkateswara University, Tirupati  
*Climatology of tropical easterly jet: a multi model analysis*

**Oral Presentations**

**Oral Presentations** : **Ms. Insha Wani**, School of Civil Engineering, Lovely Professional University, Punjab  
*Use of lead rubber bearings for seismic retrofitting of buildings*

: **Ms. Lone Mohsin Nazeer**, School of Civil Engineering, Lovely Professional University, Phagwara Punjab  
*Review on risk management in various infrastructure projects*

**Mr. Kunwar Mrityunjai Sharma**, Department of Earth Sciences, Indian Institute of Technology Bombay, Mumbai  
*Three-dimensional simulation of fluid flow through a discrete fracture and matrix*

**Tea break (15:30-15:45)**

**Parallel Technical Session 2D (15:45 - 17:30)**

**Invited Lectures/ Oral Presentations**

**Invited Lectures** : **Prof. Ramanathan Baskar**, Department of Environmental Science and Engineering, Guru Jambheshwar University of Science and Technology, Hisar, Haryana  
*Geo-microbiological Studies from some Indian Caves: role of microbes as geochemical agents*

: **Dr. Abhay S. D. Rajput**, Indian Institute of Tropical



		Meteorology, Dr. Homi Bhabha Road, Pashan, Pune <i>Scientific Writing in Weather and Climate Sciences: Capacity Building for Taking Knowledge to the Unreached</i>
<b>Oral Presentations</b>		
<b>Oral Presentations</b>	:	<b>Dr. Dewashish Kumar</b> , CSIR-National Geophysical Research Institute, Hyderabad <i>Integrated geophysical, geological and hydrological study for groundwater scenario in a granitic aquifer - A comparative study</i>
	:	<b>Dr. Arvind Solanki</b> , District Resources Group, Raisen (MP) <i>Study of Existing Health Facilities among Tribal Community on the basis of their Population Distribution and Geographical Variations of the Betul-Chhindwara Region (MP), India</i>
	:	<b>Dr. N. Chendrayudu</b> , Department of Geography, Sri Venkateswara University, Tirupati <i>Location and Spacing of Urban settlements: A case study of Rayalaseema region</i>
	:	<b>Mr. Arjun Suresh</b> , Amity Institute of Environmental Toxicology and Safety Management, Amity University, Noida <i>Lysimetric studies to estimate the solute and contaminant transport in hydrogeological profile</i>
	:	<b>Mr. Sudipa Halder</b> , School of Water Resources Engineering, Jadavpur University, Kolkata <i>Delineation of Ground Water Potential Zones Based on Multi Criteria Decision Making Approach</i>
<b>Poster Presentation</b>		

<b>14:00 - 15:00</b>		<b>7<sup>th</sup> January 2019</b>
<b>Venue</b>	:	<b>Block 56A, Room -502</b>
<b>GENERAL DISCUSSION AND RECOMMENDATION</b>		