

TECHNICAL PROGRAM

NOVEMBER 2 (TUESDAY), 2015

16:00 - 18:00 **Registration** **Venue: Near Auditorium**

NOVEMBER 3 (WEDNESDAY), 2015

08:00 -10:00 Hrs - **Registration** **Venue: Near Auditorium**

10:00-11:30 Hrs - **Inauguration** **Venue: Auditorium**

11:30- 11:35 Hrs - **Inauguration of Exhibition** **Venue: Near Auditorium**

11:35-12:00 Hrs - **High Tea** **Venue: Open Ground**

12:00-13:10 Hrs - **IGU Award Lectures** **Venue: Auditorium**

Chair: Prof. Shailesh Nayak

Theme Talk by Dr. P.R. Reddy, Editor, Jour. of IGU 20 mins

Decennial Award by Prof. S.K. Nath 20 mins

Krishnan Medal -I by Dr. Parthasarathi Chakraborty 15 mins

Krishnan Medal -II by Dr. M.S. Girish Kumar 15 mins

13:10-14:10 Hrs - **Lunch** **Venue: Open Ground**

14:10-15:30 Hrs - **Memorial/Endowment Lectures** **Venue: Auditorium**

Chair: Prof. Shailesh Nayak

Sri LN Kailasam Memorial Lecture by Shri A.K. Dwivedi 16 mins

Prince Mukarram Jah Endowment Lecture by Prof. Talat Ahmad 16 mins

Dr. H.N. Siddique Memorial Lecture by Dr. M. Sudhakar 16 mins

Electrotek & Geometric Endowment Lecture by Prof. A.K. Sinha 16 mins

Special Talk by Shri G.C. Katiyar, President, SPG 16 mins

15:30-15:45 Hrs - **Tea Break** **Venue: Open Ground**

15:30- 17:00 Hrs - **EC Meeting** **Venue: Conference Room**

15:45- 17:20 Hrs - **Technical Session 1** **Venue: Auditorium**

YOUNG RESEARCHERS PROGRAM

Chair: Prof. V.P. Dimri

Co-Chair: Dr. O.P. Pandey

7 Oral Presentations - (7x 13.5 mins) 94.5 mins

1. Tomography of wide-angle seismic data in selected geological terrains of India
Damodara Nara*, V. Vijaya Rao and Kalachand Sain
2. Rock Physics Template of Sandstone Reservoir using Well Log Data: A Case Study of Krishna-Godavari basin, India
Dip Kumar Singha* and Rima Chatterjee

3. The evolution of fluvial landforms in seismically active Katrol hill range, Kachchh, western India
Falguni Bhattacharya*, B.K. Rastogi, M.G. Thakkar, R.C. Patel and Navin Juyal
4. PSHA of Darjeeling-Sikkim Himalayan tract through a Logic Tree Framework combining Site Specific Surface Consistent Next Generation Attenuation Models and Geohazard regime
Manik Das Adhikari* and Sankar Kumar Nath
5. Micro-Seismicity and Fault plane solutions in the Western Himalaya
Nagaraju Kanna*, K.S. Prakasam, S.S.Rai and Sandeep Gupta
6. Seismic signatures of fracture filled Gas hydrate deposits
Sriram Gullapalli*
7. Quantification of Topographic Profiles using Real Time Kinematic- Global Navigation Satellite System (RTK-GNSS) corrected Shuttle Radar Topography Mission (SRTM) data
Vinee Srivastava*, Manas Mukul and Malay Mukul

17:20-18:00 Hrs - **Technical Session 2**

Venue: Auditorium

Presentation by Exhibitors & Special Talk

Moderator: Dr. Kalachand Sain

4 Presentations - 20 Mins (4x5 mins)

Special Talk and Interaction with Students by Prof. Manik Talwani, Schlumberger Professor at Rice University, USA

20m

My fifty years of adventures with measuring gravity over the oceans

18:00-18:30 Hrs - **Tea/Coffee**

Venue: Open Ground

18:30 Hrs - **Cultural Program**

Venue: Auditorium

19:30 Hrs - **Dinner**

Venue: Open Ground

NOVEMBER 4 (WEDNESDAY), 2015

08:30- 09:00 Hrs - **Registration**

Venue: Near Auditorium

Two Parallel Sessions

09:00-11:15 Hrs - **Technical Session 3**

Venue: Auditorium

**SOLID EARTH GEOSCIENCES
(EARTHQUAKES, GEO HAZARDS & DEEP STRUCTURE)**

Chair: Dr. D. Srinagesh

Co-chair: Prof. Malay Mukul

Invited Talk by Prof. VP Dimri, INSA Senior Scientist, CSIR-NGRI 15 min

Scaling Approach for API in Geophysics

10 Oral presentations - (10x12 mins, **10 minutes presentation followed by 2 minutes discussion**)

120 mins

1. Seismic Hazard Studies in Indo Gangetic Plains
D. Srinagesh*
2. Earthquake focal mechanisms and stress field in the Kachchh Rift Basin, Gujarat, India
Ajay P. Singh*, L. Zhao, Santosh Kumar and B. K. Rastogi

3. Site Effects: Case Study of the 2001 Bhuj Earthquake damages in the Ahmedabad City, Gujarat, India
B. Sairam*, B. K. Rastogi, Vandana Patel and Vasu Pancholi
4. Influences of ground motion on soil and its Geotechnical attributes in National Capital Territory, Delhi: implications for earthquake hazards.
H.S. Mandal* and O.P. Mishra
5. Seismic Hazard evaluation to National Capital (Delhi) Region due to Sohna Fault Zone
Manisha Sandhu, S.S.Teotia* and Dinesh Kumar
6. The Nature of the Backstop in the Darjeeling-Sikkim-Tibet Himalayan Wedge
Malay Mukul*, Sridevi Jade and Kutubuddin Ansari
7. Lithosphere-Asthenosphere Boundary beneath Cambay Rift Zone of India
Prakash Kumar*, Gautam Sen, Prantik Mandal and Mrinal K. Sen
8. A unique borehole seismic network for accurate location of micro-earthquakes towards precise delineation of faults in Koyna-Warna region, western India
D. Shashidhar*, H.V.S. Satyanarayana, C.R. Mahato, K. Mallika, N. Purnachandra Rao and Harsh K. Gupta
9. Hot crust and lithospheric mantle beneath Killari and Koyna seismogenic regions, Deccan Volcanic Province, India
O. P. Pandey
10. Tsunami Memory and its Sedimentary Organic Values
Pethaperumal, S., Soucikala and Varma,V.N*

09:00-11:15 - **Technical Session 4**

Venue: Seminar Hall

**MARINE GEOSCIENCES
(IODP, GAS-HYDRATES AND STRUCTURE)**

Chair: Prof. Manik Talwani

Co-Chair: Prof. Rima Chatterjee

Invited Talk by Dr. Dhananjai K. Pandey,
Program Coordinator, IODP India

15m

Deciphering Climate-tectonic interactions in the Western Himalaya through scientific drilling in the Arabian Sea: IODP Expedition 355

Dhananjai K. Pandey*, Peter D. Clift, Denise Kulhanek and Expedition 355 Scientists

10 Oral Presentations - (10x12 mins, **10 minutes presentation** followed by **2 minutes discussion**) 120 mins

1. Drilling the Arabian Sea Indian margin OMZ: a proposal to the IODP
A.D. Singh* and co-proponents
2. Seismic attenuation in gas hydrate bearing sediments in Krishna-Godavari basin - seismic to log scale
N. Satyavani*, Mrinal Sen, Kalachand Sain and N. Damodara
3. Sulfur –Iron-Carbon systematics in marine sediments: A study off Mahanadi Basin, Bay of Bengal
Brahmanand Sawant, A. Mazumdar*, Maqbool Yousuf and A. Peketi
4. Controls on evolution of gas-hydrate system in Krishna-Godavari Basin, offshore India
Firoz Badesab*, P. Dewangan, A. Usapkar, M.Kocherla, A. Peketi and A.Mazumdar

5. Abiogenic Gas Hydrates: A case study from the Indian Offshore Region (Bay Of Bengal)
A.L. Paropkari*, M. Kocherla, S.M. Karisiddaiah and M.J. Gonsalves
6. A New Methodology of Pore Pressure Prediction from Seismic Data in Krishna-Godavari Basin
Rima Chatterjee*, Dip Kumar Singha, Mrinal Sen and Kalachand Sain
7. The Chain-Kairali Escarpment: Does this trace represent extension of the Vishnu Fracture Zone?
M. Shuhail*, V. Yatheesh and K.A. Kamesh Raju
8. Seismic mapping of gas hydrate deposits in Andaman Sea
Uma Shankar* and Kalachand Sain
9. Evolution of the Shelf-Slope Architecture along the Western Continental Margin of India
Bibhasvata Dasgupta*, Ranadhir Mukhopadhyay and SM Karisiddaiah
10. Pore Water Sulfate concentrations and Sulfate-sulfur Isotope Ratio Measurements from Iodp 353
A. Peketi, A. Mazumdar, S. Nahak, and the Expedition 353 Scientific Party

11:15 -11:35 Hrs - **Tea Break**

11:35-13:35 Hrs - **Technical Session 5**

Venue: Near Auditorium

Inauguration & Poster Session

SOLID EARTH GEOSCIENCES

1. Application of FDR PSO for Travel time and Constrained AVO Inversion
Aayush Agarwal and Kalachand Sain
2. Remote Triggering in the Koyna-Warna RTS zone, Western India
Abhey R. Bansal, N. Purnachandra Rao and K. Mallika
3. Deduction of Deformation of Convection Cells and their Physical Impacts
Abhilash Saini, Vedbharti and Vivek
4. Analysis of Time Series Using DSP Tools
Abhishek and Monika Rani
5. AVO Analysis in Gas-Hydrate Bearing Sediments in Krishna-Godavari Basin, India
Abir Banerjee, Rima Chatterjee and Kalachand Sain
6. Multifractal detrended fluctuation analysis of the aftershock sequence of Talala region, Gujarat, Western India
Abhijit Nath and Sandeep Aggarwal
7. Conventional versus Unconventional arrays: Results from a Sulfide Mineralization
Ajeet Kumar Yadav, P. K. Yadav, Shalivahan, P. K. Adhikari, V. P. Maurya, A. Tripathi, S. Singh, A. K. Bage and R. K. Singh
8. Error analysis in finite element based structural modelling for A Subducting Lithosphere
Alok Kumar
9. Characterization and Management option for produced waters of Assam
Amarjit Rajbongshi, Tapanjyothi Gogoi and Subrata Borgohain Gogoi
10. Delineation of subsurface structure of Saurashtra Peninsula using gravity survey
Amit Kumar Mishra, Sunil Kumar Patel and U. K. Singh
11. Classification of Litho-logy: Use of Multivariate Statistics and Hybrid Neural Network Modelling
Amrita Singh and Saumen Maiti

12. VLF data interpretation from East Indian Geothermal Province using constrained Delaunay triangulation
Anand Singh and S. P. Sharma
13. Estimation of Aquifer Parameters from Surface Geo-electrical Method
Anasuya Das, Saumen Maiti, Gautam Gupta and Vinit C. Erram
14. A three-dimensional Moho depth model for the Eastern Indian shield from inversion of global complete Bouguer gravity data set
Archana Jarial, Niraj Kumar and A.P. Singh
15. Generation of Surface map of Andaman region using b-value mapping
Arka Das, Sohini Roy and JR Kayal
16. Estimation of coda wave attenuation for Narmada region using local earthquakes
Arpanshastri and Mayank Dixit
17. Spectral approach to source depth estimation from gravity data of north-east of Ganga river, Uttar Pradesh
Arvind Singh, Atul Kumar Pandey, Sunil Kumar Patel and Upendra K. Singh⁴
18. Coastal effect in magnetotellurics data – A synthetic model analysis
Ashok Kumar Gupta, G. Pavan Kumar and E. Mahende
19. Site Characterisation of the North-East Region of India using H/V Technique On Earthquake Data
Auchitya Kumar Pandey and P.N.S. Roy
20. Analysis of Wellbore Stability using Failure Criteria in Krishna-Godavari Offshore
Baisakhi Das and Rima Chatterjee
21. Prediction of P-wave Velocity using Neural Network Modelling from Well Logs, Jharia Coalfield
Bapina Pusti, Suman Paul and Rima Chatterjee
22. Dear Bed boundary identification using wavelet and Fourier transforms for upper Assam shelf basin, N-E, India
Bappa Mukherjee and P.N. S. Roy
23. Study of site amplifications in the Kachchh rift zone, Gujarat and Dhanbad, Jharkhand
Basab Chatterjee and Prantik Mandal
24. Moment tensor solutions of five aftershocks of the 00 Bhuj earthquake sequence
Bhoopendra Singh and Prantik Mandal
25. Implementation of Pickett's Plot for Reservoir Characterization in Cauvery Basin, India
Biswajit Choudhury, Mousumi Das and Rima Chatterjee
26. Imaging the Moho - beyond CMP: a Review from Precambrian Indian Shield
Biswajit Mandal, Mrinal K. Sen, V.Vijaya Rao, P.Karuppannan and Laxmidhar Behera
27. Detection of minerals using Particle Swarm Optimization Based Inversion of Self Potential Data
BrijBhushan Singh, V. Srivardhan and Saumen Maiti
28. Correlation of Ultra Low Frequency Magnetic Anomalies with the earthquakes ($M > 4$) in Kachchh, Gujarat
C.P.Simha, K.M.Rao and B.K.Rastogi
29. Seismic Hazard evaluation of Sikkim with a view to introduce new Earthquake Risk Reduction strategy, considering Deterministic Approach
Chitralekha Ghatak and Sankar Kumar Nath

30. Sensitivity Analysis of ZZ – an unconventional array for a cross hole survey using COMSOL Multiphysics
Debarati Mishra and Shalivahan
31. Quality Assessment of Formation Water of the Upper Assam basin and its effect on tap water dilution for eco-friendly environment
Debashree Dutta, Joyshree Barman, Shilpi Sarmah and Subrata Borgohain Gogoi
32. Crustal contributions in teleseismic P-wave travel times and their effect on Tomographic models below India and Tibet
Debasis D. Mohanty
33. Characterisation of some crude oils of Upper Assam Basin
Debasish Konwar, Dimpy Chetia, S. B. Gogoi and Manash Pratim Gogoi
34. Measurement of ambient seismic noise at Seismic Observatory, Kurukshetra University Campus
Deepak Kumar, Sushil Kumar, Sunil Kumar, Pooja and Priyanka
35. Application of Vertical Electrical Sounding (VES) and Ground Penetrating Radar(GPR) for identification of fresh groundwater resources at Vizag Steel Plant(VSP), Vishakapatnam
L. Devisree, Ratnakar Dhakate and S. Sankaran
36. Delineation of crustal structure beneath the Surma Basin and adjoining regions using gravity data
Dhananjay Singh
37. Application of Geographic Information System (GIS) for First Order Seismic Hazard Assessment
Dheerendra Mani Tripathi, Vasu Pancholi, Rahul Ranjan and B K Rastogi
38. Identification of heat source for hot water springs through dimensionality analysis of Magnetotelluric (MT) data in the Southwestern part of Cambay basin
Dilip Kushwaha, Peush Chaudary, Virender Chaudary, Mehul Nagar, G. Pavan Kumar, Kapil Mohan and B.K.Rastogi
39. Rocky coast of Saurashtra as archives for palaeotsunami deposit?
Drasti Gandhi
40. Geomorphological evidences indicating active seismicity along the Bela Island, Kachchh, Gujarat
Durga Prasad Adapa, Falguni Bhattacharya, Pavan Kumar Gayatri,
41. Assessment of Groundwater Pollution in Kolhar Industrial Area, Bidar District, Karnataka, India
M.Durgaprasad, Ratnakar Dhakate, M.J.Nandan, S.Sankaran and V.V.S.Gurunadha Rao
42. Numerical Modeling of Geotherms in continental crust melting
Dushyant Rathore and Kapil Chhabra
43. High Resolution Upper Crustal Structure Using Ambient Noise Tomography of Kumaon-Garhwal Himalaya
Gokul Kumar Saha and S. S. Rai
44. Morphometric Analysis of Krishna River Basin, India using Shuttle Radar Topography Mission (SRTM) Data
P.Harini, Dinesh Kumar, M.J.Nandan, L. Surinaidu and M.D.Prasad
45. Interpretation of Gravity Anomaly Profile Using Singular Value Decomposition (SVD) Analysis
Harish, Shivani Baliyan and Alka Rani

46. Landslide Hazard Zone Mapping of Garhwal region using Remote Sensing Techniques
Himanshu Goyal, Raviranjn Kumar, Harsh Bindal and Hrishabh Gupta
47. Efficient Numerical Modeling strategies for two-Phase flow in porous media with capillary pressure
Himesh Kothari and P K Mishra
48. Application of Remote Sensing and Geographical Information System For Land Use / Land Cover Mapping And Change Detection in the Dhanbad City, Jharkhand.
Hrishabh Gupta, Sunny Agrawal, Vishnukant Gupta, Apoorv Shrivastava and Gauravkumar Radharaman Labh
49. Inferences on shallow subsurface drainage reorganization in the NW (palaeo) Yamuna Plains, Haryana using Geo-electric resistivity evidence
Imran Khan, Rajiv Sinha and Debajyoti Paul
50. Earthquake hazard parameters in North-West Himalaya and adjoining regions
Jayant N Tripathi and Achyutan and Pandey
51. Probabilities for the occurrences of large earthquakes in Nepal Himalayan region
Jayant N Tripathi and Shashi Kant
52. Study of deformation of the converging Indian lithosphere against the Indo-Myanmar Ranges using gravity and earthquake data
Jayashree Banerjee
53. Assessment of Hydrochemistry and Groundwater Suitability For Drinking and Irrigational uses in the coastal stretch between Moonupeedika to Kodungallur of Kerala, India
Jerin Varghese, Alex Antony Maliakal, Kiran K R, Ajith Kallada, N. Chandrasekar, Y. Srinivas and S. Selvakumar
54. Attenuation characteristics of high frequency seismic body waves in Southern India
K. Sivaram, Utpal Saikia, Nagaraju Kanna and Dinesh Kumar
55. Water Quality Monitoring of Hussain Sagar Lake, Telangana State, India
K. Tanuja, C.Venkateshwar, L.Surinaidu and M.J.Nandan
56. Ground motion amplifications in the D and D basins caused by the basin generated surface waves
Kamal, Komal Rani and J.P. Narayan
57. Volumetric Attribute analysis for fault interpretation: A case study from SE part of offshore Taranaki Basin, New Zealand
Kamal Kumar Munda, Niranjn Mohanty, Kalachand Sain and Satendra Singh
58. New magnetotelluric studies in the eastern segment of Central Indian Tectonic Zone.
Khasi Raju, Ujjal Kumar Borah, Sivamallaiiah Sana, Chinna Reddy and Prasanta K Patro.
59. Biostimulated treatment of fluoride contamination in aquatic systems
K. P. Singh and Khushboo Agrawal
60. Identification of aquifer characterization, by using Resistivity method of micro watershed near Komarthy, Srikakulam, Andhra Pradesh.
K. Rambabu, P. Rajendra Prasad, K. V. V. Satyanarayana, M. J. Nandan, L. Surinaidu and M. Durga Prasad
61. A D Moho Depth Model for the Himalaya-Tibet from Eigen-6c4 Satellite Gravity Data
Komal Sharma and Naveen Kumar
62. Shear-Wave Velocity Structure of the Eastern Indian Craton Using Ambient Noise Cross-correlation method
Koushik Biswas and Prantik Mandal

63. Biogeophysical signals associated with bioremediation of fluoride contamination
K. P. Singh and Khushboo Agrawal
64. Particle Swarm Optimization for gravity inversion of sedimentary basin with parabolic density contrast
Kunal K. Singh and Upendra K. Singh
65. Analysis of source parameters of local earthquakes occurred in the eastern part of Indian Shield
Kuntal Bhukta and Rajkumar Prasad
66. Hydrochemical and Hydrogeophysical studies to provide safe drinking water, Dantewada district, Chhattisgarh
L.Surinaidu, M.J.Nandan, A.K.Mohanthly, M.Durga Prasad and V.V.S. Gurunadha Rao
67. New insightson the evolution of the Bundelkhandcraton, central India fromradioelemental, petrological and geochemical studies
Labani Ray, P. Nagaraju,, S.P.Singh, G. Ravi and Sukanta Roy,
68. Analysis of time domain electromagnetic data for mapping contact between younger and older sedimentary sequence over central part of Kachchh region, Gujarat
E. Mahender, G. Pavan Kumar, and Ashok Kumar Gupta
69. One dimensional crustal Velocity model for Himachal Pradesh, India
Mahesh Prasad Parija, Shubhasmita Biswal, Sushil Kumar, and Saurabh Kumar Mishra
70. Noise Analysis and Attenuationof D seismic Data of Cambay basin
Mamuni S. Ekka and Jagmeet Singh
71. Source Parameters and Scaling Relations for Small Earthquakes in National Capital (Delhi) Region
Manisha Sandhu, Dinesh Kumar and S.S. Teotia
72. Using Certified Reference Materials (CRM's) from Mongolia; Step : Calibration of ED-XRF for Rare Earth Element analysis.
Md. Arif and P. V. Sunder Raju
73. Tsunami Forces Acting On Any Given Dam Structure: A Synthetic Study
Mounica Jakkula, Shila Saha, Farveen Begum and Kirti Srivastava
74. Analysis of Fracture Parameters from well-log dataof Mahanadi Basin, India
Rajan Kumar, Mousumi Das, Rima Chatterjee and Kalachand Sain
76. Submarine Groundwater Discharge (SGD) zone delineation by Ground Penetrating Radar (GPR) at a tidal flat of Bay of Bengal
Mrinal Kanti Layek, Palash Debnath, Ashok Shaw, Probal Sengupta and Abhijit Mukherjee
77. Pre and Post excavation cross hole seismic studies for foundation design of a nuclear power project
M.S. Chaudhari and Ch. Subba Rao
78. Estimation of earthquake source parameters in the Kachchh seismic zone, Gujarat, India, using three component S- wave spectra
Durgada Nagamani and Prantik Mandal
79. Standardization of aquifer resistivitycoupling with bore hole electrical logs for deducing multi-layered aquifer system in a part of Middle Ganga Plains, Patna, Bihar
N.C. Mondal, A. Ramadevi, V.K. Somvanshi, S. Chandra and S. Ahmed
80. Liquefaction Susceptibility of Kolkata through Near Surface Geophysical and Geotechnical Investigation
Nishtha Srivastava and Sankar Kumar Nath

81. Delineation of Groundwater potential zones in Chittarbasin, Tamil Nadu using Remote sensing, GIS and Analytic Hierarchy Process (AHP) Technique
Nithya C Nair, Y Srinivas and N Chandrasekar
82. Seismic Hazard Assessment in Gujarat – A Probabilistic Approach
Niva Brahma and Soumya Chandan Panda
83. Structural analysis and petrography of high grade gneissic rocks of Elurpatti area with special reference to the evolution of northern margin of Cauvery Shear Zone, Southern India
P. P. Padalkar,, and D.P. Mohanty
84. Global meshless collocation for two dimensional advection-diffusion problems
Pankaj K Mishra and Sankar K Nath
85. Interpretation of bouguer gravity data by spectral analysis and downward continuation, over parts of Rajmahal trap area
Piyush Priyam and S.K. Pal
86. Delineation of sub-trappean sediments using magnetotelluric method along Indore-Jalgaon traverse in Central India
S. Prabhakar Eknath Rao, T.Harinarayana, Sharana Basava and A.K.Gupta.
87. Mapping and Assessment of Aquifers throughGIS, Seismic &Electrical Imagingin Hard Rock Terrain of Khorda District, Odisha
P.Nayak, A.K. Rai and S. Tripathy
88. Crustal structure beneath the Closepet Granite Batholith, Dharwarcraton: A Gravity perspective
Pradeep Kumar Gorai, P. Jagadeesh, Siva Ganesh M and Bijendra Singh
89. Euler depth solutions using Analytical Signal of SP Data: An example over VMS deposit
Pramod Kumar Yadav, Shalivahan, P. K. Adhikari, V. P. Maurya, A.Tripathi, S. Singh, A. K. Bage and R. K. Singh
90. Numerical modelling for subsurface cavity detection associated with old coal working
Prasenjit Das, P.R. Mohanty and Alok Kumar Routa
91. Sub-basalt characteristics using seismic tomography
Praveen Kunagu*, N. Damodara and Kalachand Sain
92. Seismicity variation across the Himalaya as indicated by spatial variation of b-value using Maximum Likelihood Estimation (MLE)
Pudi Ramesh, John Mathew and K.Vinod Kumar
93. Frequency characteristics of geomagnetic induction anomalies in Saurashtra region
P V Vijay Kumar, P B V Subba Rao, C K Rao, A K Singh and P. Rama Rao
94. Seismic Hazard Assessment in Two Major Seismic Zones of the N-W Himalaya Region
Rajdeep Purkayastha, Mohit Pandey and Ashwarya
95. Coseismic offset due to the April 5, 05 Gorkha, Nepal Earthquake
Rajeev Kumar Yadav, P. N. Singha Roy, S. Gupta, P. Khan, J. K. Catherine and V. K. Gahalaut
96. Detection of coal fire zone in Patherdih Colliery, Dhanbad using magnetic modeling
Rashmi Singh and Sanjit Kumar Pal
97. Interpretation of gravity anomalies using particle swarm optimization technique caused by manganese ore body, Nagpur, India.
Ravi Roshan and Upendra K. Singh
98. Radial anisotropy beneath South Indian crust inferred from seismic ambient noise tomography
Ritima Das and S. S. Rai

99. Preliminary Palaeomagnetic results from mafic dykes in eastern Dharwarcraton, India: Implications related to the age of dyke emplacement
M. Venkateshwarlu, G. Papanna, Anurag Kumar Das, Rupali Mohanty and D. S. Manjula
100. Fabric analysis of the .6Ga granites in the Chitradurga region – preliminary results from Anisotropy of Magnetic Susceptibility (AMS) studies
Tridib Kumar Mondal, Amlan Ghosh and Sutanu Das
101. 3-D velocity structure from local earthquake tomography in the Koyna-Warna region
Sanjay Kumar, Suman Kilaru, Dipankar Sarkar and Madan M. Dixit
102. Geoenvironmental and tectonic studies in the middle reaches of Sabarmati River, Gujarat: Implication towards past monsoon variability and tectonics
Th. Sarada, Falguni Bhattacharya, N.N. Dogra and B.K. Rastogi
103. Groundwater quality index forecasting using automatic relevance determination model
Saumen Maiti, Mrinal K Sen, Anasuya Das, Gautam Gupta and Vinit C. Erram
104. A Comparison of Two Techniques for the Estimation of Coda-Q (Qc)
Saurabh Sharma, Prarabdh Tiwari, Pankaj Sharma and Sonia Devi
105. Magneto-Mineralogy and Interpretation of AMS fabrics in the Balugaon Anorthosite Massif, Eastern Ghats Belt, India
Saurodeep Chatterjee, Debesh Gain and Supriya Mondal
106. Electrical Resistivity Tomography (ERT) studies in delineating palaeochannels of Ghaggar plains
Setbandhu Mondal, Dewashish Kumar, A. Singh, R. Sinha, A. Densmore, S. Gupta, S. Joshi, V.S. Sarma, N. Nayak, M. Kumar, P. J. Mason, S. Shekhar, S.P. Rai and Mrinal K. Sen
107. Velocity Estimates of Gangotri Glacier: Trend over the last 20 Years
Shashank Bhushan, Hrishabh Gupta and Tajdarul H. Syed
108. Some insights on time-lapse seismic monitoring of CO₂ for potential EOR and Storage at Cambay Basin, India
Shib Sankar Ganguli, Nimisha Vedanti and V.P. Dimri
109. D modeling of Magnetotelluric data: Understanding the D Finite Difference model mesh.
Shikha Das, Sivamalliah and Prasanta K. Patro
110. Principal Component Analysis and Power Spectral Density Analysis of Total Magnetic Field in Association with Earthquakes ($M > 8$) during 04, 05 in Kachchh, Gujarat.
Shivam Joshi, C. P. Simha, K. M. Rao, M.S.B.S. Prasad and B. K. Rastogi.
111. Statistical analysis of New Zealand Earthquake of Magnitude (M_w -7.8)
S. K. Mondal and Joshi Catherine
112. Effect of de-noising strategies in seismic wavelet estimation using generalized inversion
Shubham Priyadarshi and Saumen Maiti
113. Analyzation of Fluctuations of Ground Water level due to contaminated hydrocarbon using Remote Sensing
Shubham Maheshwari, Pawan Sharma, Gopal Sharma, Aditya Singh and Hrishabh Gupta
114. High Precision earthquake location in the NW Himalaya, India: Tectonic Implications
Shubhasmita Biswal, Mahesh Prasad Parija and Sushil Kumar
115. Gravity model of Andaman-Sumatra Subduction Zone for a better understanding of geodynamics
SK Shamim

116. An Improved P-wave velocity reference model for Delhi region
SomnathSarkar, Sanjay K Prajapati, Sumer Chopra and P R Baidya
117. Seismicity Analysis and bValue determination of Pakistan Earthquakes
Sonali Sahana
118. Lithological characteristics analysis of Ridderkerk area in the western Netherlands using wavelet transforms
Soumya Chandan Panda, Sankar K.Nath and Niva Brahma
119. Broadband Magnetotelluric Data Interpretation Using Phase Tensor
Soumya Mukherjee, and Prasanta K. Patro
120. Mafic intrusions related heterogeneity and hybridization in granitoids from the Nalgondaregion of EDC
Soumya Shukla and M. Ram Mohan
121. Forward Modeling of Gravity Effect due to a Fault
Sourav Kumar*, Sukhdeep and Anil Kumar
122. Cross correlation techniques for ambient noise interferometry
Souvic Maity
123. Spatial variation of structural elements of granitic rocks from western part of Delhi Fold Belt and its implications
Subhrajyoti Das, Sadhana M. Chatterjee and Alip Roy
124. Fluid Saturation and Pressure Estimation from Time-Lapse Seismic Data
Subrata Singha and Mrinal K. Sen
125. Development of an efficient filter for transformation of VLF anomaly into apparent resistivity and phase data
Sudhanshu Raghubanshi and N.P. Singh
126. Source depth estimations from gravity anomalies of Jharia coal field and surrounding regions using Euler deconvolution method
Sunil Kumar Patel, Arvind Singh and Upendra K. Singh
127. Big Data Analytics for Seismic Imaging
Sunjay and Manas Banerjee
128. Near surface characterization using multi modes of love wave.
Sunny Kr. Ranjan, Ram Rekha Yadav and S.K Pal
129. Analysis of natural seismicity in the thrust region of Central and North-East Himalayan
Susheel Kumar and Nitin Sharma
130. Shallow and deeper lithospheric structures beneath the Son-Mahanadi Gondwana basin of India-Insight from gravity and magnetic studies
Swarnapriya Chowdari and Bijendra Singh
131. Seismicity and Focal Mechanism of Some Recent Earthquakes in Hindu Kush Region and their Tectonic Implications
Taichengmong Rajkumar
132. Along the strike magnetotelluric profile to map electrical structure of Radhanpur-Ajmer transect in Rajasthan, India.
Tanvi Arora, Ritesh Purohit and Prasanta K. Patro
133. REE and Trace element geochemistry of Banded Iron Formations from high-grade metamorphic terrain of Karnataka, India : Evidence of hydrothermal as well as hydrogenous origin of Mesoarchaeon BIFs
Tapan Sunil Bhagat, S. Balahrishnan and R. Srinivasan

134. Understanding the late stage tectonics of western Dharwar craton, southern India-A study based on fault-slip analysis
Tridib Kumar Mondal and Sutanu Das
135. Magnetotelluric resolution in terms of skin depth and its relation to the evaluation frequencies and station spacing
Ujjal Kumar Borah and Prasanta K Patro
136. Fractal based petrophysical reservoir characterization using well log data: A case study
U. Vadapalli and VP Dimri
137. Upper mantle anisotropy of Dharwarcraton using SKS and SKKS phases
Utpal Saikia, S.S. Rai and Sandeep Kumar Gupta
138. Seismic Hazard Study: Site Characterization using Shear-Wave Velocity Estimations of Ahmedabad sites by MASW Method at Ahmedabad, Gujarat, India
Vandana Patel, B. Sairam, Vasu Pancholi, Kapil Mohan and B K Rastogi
139. Spectral Induced Polarization in the detection of hydrocarbon contamination in soil using PRBS source
G.Vasudevan , R.K.Tiwari and M.P.Sarma
140. Geotechnical Investigations for Hazardous Soils
Vasu Pancholi, Rahul Ranjan and Vinay Kumar Dwivedi
141. Macro Level Liquefaction Hazard mapping for coastal area of Gulf of Kachchh
Vasu Pancholi, Rahul Ranjan, Vinay Kumar Dwivedi and B K Rastogi
142. Effect of Depth of Basement Topography on Ground Motion Characteristics
Vinay Kumar, Neeraj Kumar and J.P. Narayan
143. Structural mapping over Singhbhum-Orissa Craton, India using high resolution EGM008 gravity data and in situ gravity data
Vipin Kumar Pathak, Satya Narayan, Ujjawal Kumar, Om Prakash Goswami and S.K.Pal
144. Application of seismic refraction technique to map the subsurface and find static correction
Vishal, Neeraj Choudhary and Neha Tanwar

MARINE GEOSCIENCES

145. Estimation of model parameters from travel time and amplitude inversion of seismic reflection data: A theoretical case study
K.P. Arun and Kalachand Sain
146. AVO attribute analysis for detection of possible hydrocarbon in Mumbai offshore basin
Bipasha Sinha and P. R Mohanty
147. Seismic attributes for the delineation of gas hydrates: A case study in the Mahanadi offshore basin
Jitender Kumar, Kalachand Sain and Mohammed Rafique
148. Exploring the Indian Ocean Geoid Low
N Lachit Singh, Kishor Gaonkar, Ajeet Kumar, Rajeev Krishnan and D K Pandey
149. Pore pressure study using downhole data of Integrated Ocean Drilling Program (IODP) expedition
Mampi Karmakar, Saumen Maiti and Maheshwar Ojha
150. International Ocean Discovery Program (IODP) Expedition 5: Indian Monsoon Rainfall
N. Sagar, L. Le Vay, D. Naik, A. Peketi and the Expedition 5 Scientific Party

151. Sediment distribution and geomorphology of north western continental margin of India
Nisha Nair and D.K. Pandey
152. Depth estimation of Arabian Sea along western continental margin of India using spectral analysis of magnetic anomaly
Rahul Prajapati and Jeetendra Soren
153. Prediction of Porosity from D Post-stack Seismic Data
Rajan Kumar, Baisakhi Das, Rima Chatterjee and Kalachand Sain
154. AVO Inversion using Simulated Annealing with a constraint from Time Travel Inversion
Ravi Agarwal and Kalachand Sain
155. Turbidites from the Indus Fan at Iodp Sitesu456 and U457 in the Laxmi Basin
Ravi Mishra, D.K. Pandey, G.N. Nayak, P.D. Clift, D.K. Kulhanek and Exp 55 Scientists
156. A comprehensive Geochemical and Sedimentological study of deep sea sediments. Laccadive basin, Arabian Sea
M.A. SarunLal, AbhishekTyagi and P.J. Kurian
157. Productivity Variability based on Nitrogen and Carbon Isotopes in Squeeze Cake Samples recovered during IODP Expedition 55
Shubham Tripathi, Manish Tiwari, Siddhesh Nagoji and IODP Expedition 55 Scientists
158. Estimation of porosity and gas hydrate saturation using very fast simulated annealing
Soumya Jana, Maheswar Ojha and Kalachand Sain
159. Delineation of Gas hydrates from seismic data in Krishna-Godavari offshore basin
Sukdev Das and Kalachand Sain
160. Morphometric analysis of submarine channels in the Upper Indus fan
Suman Kilaru, Abhishek Tyagi and John Kurian. P
161. Characterisation of organic matter to understand methanogenesis in Bengal Fan Sediments
Supriyo Kumar Das, Rishi Adhikari, Christian France-Lanord, Volkhard Spiess, Tilmann Schwenk, Adam Klaus & IODP Expedition 54 Science party

SPACE, PLANETARY & ATMOSPHERIC SCIENCES

162. Fractal Analysis of Lunar gravity anomalies over the basins of lunar far side
A.V.Satya Kumar, R.P. Raja Sekhar and V.M. Tiwari,
163. A Geoinformatics based Comparative Analysis of Aerosol Concentration over Ranchi Urban area and South Karanpura Coalfield Region, Jharkhand, India
Akshay Kumar and Akhouri Pramod Krishna
164. A Broad Climatology of very high latitude substorms: An update
Anand K. Singh, S. Saini, A. K. Sinha and Ajay Dhar
165. High resolution convection-permitting and resolving NWP model simulations for a convective event over the Indian region
T. J. Anurose and D. Bala Subrahmanyam
166. Evaluation of Prompt penetration effects on Counter electrojet events at two Equatorial sites in the Northern Indian Ocean
Archana R.K, N. Phani Chandrasekhar and Nandini Nagarajan
167. Sensitivity experiment for simulation of Onset phase using different convective scheme of RegCM4.
B. Mandal, S. Ghosh and R. Bhatla

168. Empirical mode decomposition analysis of Seismo-ionospheric coupling phenomena for finding the short term earthquakes precursor
D.K. Sondhiya, S. Raghuvanshi, S.K. Kasde and A.K. Gwal
169. Seasonal and spatial variation of vertical structure of aerosols and mineral dust transport over the Bay of Bengal using multi-satellite observations
Lakshmi .N.B,S.Suresh Babu, Prijith.S, Vijayakumar S Nair and K.Krishna Moorthy
170. Altitude structure of Tropical Tropospheric Turbulence and Stability Parameters from Radiosonde observations
Muhsin M, S V Sunilkumar and M Venkat Ratnam
171. Tropical indo – Pacific SST variability and its high latitude response – similarities and differences.
M. Nuncio, K. Satheesan and Sourav Chatterjee.
172. Solar and Ocean dynamical forcing on Indian temperature
B.Padmavathi, R.K.Tiwari and R. Rajesh
173. An Integrated Study of Anomalous Spiky Variations in VLF Electromagnetic Signals Associated with Western Mediterranean Sea Earthquake
Rahul Shrivastava, D.K. Sondhiya and A.K. Gwal
174. Microwave radiometer observations of vertical structure of water vapor and characterization of convections over a tropical station
R. Renju, Tinu Antony, V. Edwin and C. Suresh Raju
175. Study of Convective Activity over a Central Indian Region from 009 to 0 by Using Radiosonde Data
Shweta Thakur, Rahul Shrivastava, Narendra Singh and S.K Jain
176. Multi-year model simulations of mineral dust distribution and transport over the Indian Subcontinent during summer monsoon seasons
S. Sijikumar, S. Aneesh and K. Rajeev
177. Dynamical process of Active and Break phases with the simulation of Regional Climate Model version 4. (RegCM4.)
S. Ghosh and R. Bhatla
178. Ionospheric absorption of different solar spectra
Sushanta Kumar Mondal, Sourav Palit, Tamal Basak, Sujay Pal and Sandip Kumar Chakrabarti,
179. A Search for Ionospheric Perturbations in VLF Electromagnetic Signals Associated with Large Earthquake in Greece Region
Rahul Shrivastava, Shailesh Raghuvanshi, Monu Raghuvanshi, Satish Kasde and A.K. Gwal
180. Frost-point hygrometer observations of water vapour in the tropical upper troposphere and lower stratosphere over India
S V Sunilkumar, M Muhsin and Maria Emmanuel
181. Characterization of microphysical and radiative properties of aerosols over Arctic (NyAlesund)
Vijayakumar S Nair
182. Textural features study for Geophysical Exploration over the Krishna-Godavari Offshore using Satellite Geoid/Gravity Data
T. J. Majumdar* and S. Chander

13:35-14:30 Hrs - **Lunch**

14:30-16:00 Hrs (90 Mins) - FIGA Session A

Venue: Auditorium

Chair:

3 invited talks - (3x30 mins)

16:00-16:20 Hrs - **Tea Break**

16:20 - 17:50 Hrs (90 Mins) - FIGA Session B

Venue: Auditorium

Chair:

3 invited talks - (3x30 mins)

20:00 Hrs - **Dinner**

Venue: Open Ground

NOVEMBER 5 (THURSDAY), 2015

Two Parallel Sessions

09:00-11:15 Hrs - **Technical Session 6**

Venue: Auditorium

SOLID EARTH GEOSCIENCES (GROUND WATER, MINERAL EXPLORATION & ENVIRONMENTAL SCIENCES)

Chair: Dr. M.J. Nandan

Co-Chair: Dr. Mrigank Ghatak

Invited Talk by Prof. P. Rajendra Prasad, Sir Arthur Cotton
Geospatial Chair, Andhra University

15m

Challenges and opportunities in water resources sector: An Indian perception

10 Oral Presentations - (10x12 mins, **10 minutes presentation followed by 2 minutes discussion**)

120 mins

1. Assessment of Groundwater Conditions in Watersheds covering Open cast Iron Ore Mines in Goa
V.V.S. Gurunadha Rao*, Ratnakar Dhakate, M. Durga Prasad and L. Surinaidu
2. Mapping shallow subsurface hard and soft rock structure in complex geological terrain for groundwater prospecting and exploitation in Anantapur District, Andhra Pradesh
Dewashish Kumar*, Setbandhu Mondal, Karri Rajesh and R. Rangarajan
3. Delineation of saline water intrusion using Remote Sensing, GIS and Geophysical techniques in coastal aquifer system of Southern India
Ratnakar Dhakate* and S. Sankaran.
4. Quantitative Use of Geophysical Logging Data for Coal Mine Geotechnical Studies
Peter Hatherly, Terry Medhurst, Binzhong Zhou, Uday Bhaskar Gudlavalleti* and Shanmukha Rao Makesh
5. Automated rock recognition from geophysical logs: Examples from SCCL Mines, India
Binzhong Zhou and G. Uday Bhaskar*
6. New evidence for Ni-Cu-PGE sulfide mineralization in Sarni mafic-ultramafic complex, Madhya Pradesh, Central India
M.Satyanarayanan*, Dewashish Kumar, D.Srinivasa Sarma, Prasanta K. Patro and D.V.Subba Rao

7. Study of Environmental Pollution using Magnetic Susceptibility Measurements on road dust samples of Hyderabad Metropolitan region, Telangana State, India
R.Sudarshan, S.K.Patil, B.Nagaraju, B.Madhusudan Rao*
8. Seismic studies for geotechnical site characterization in Himalayan terrain
Ch. Subba Rao and M.S. Chaudhari
9. Host Rock Characteristics and Controls on Cu-Au-Ag Mineralization at Copper Mountain Porphyry Deposit, Southern BC, Canada
Cromwell Edward*, Bouzari Farhad, Selby David, Hart, Craig. J. R, Holbek Peter and Joyes Richard
10. State of unconfined aquifers in Cauvery basin along Eastern Coast from Puducherry to Chidambaram, Tamil Nadu - A Critical analysis by Electrical Resistivity surveys
K.V.Satyanarayana*, B.Balakrishna, M.Pradeep Kumar, M.S.Kumar and Dinesh Gupta.

09:00-11:15 Hrs - **Technical Session 7**

Venue: Seminar Hall

Space, Planetary & Atmospheric Sciences

Chair: Prof. A.K. Gwal

Co-Chair: Dr. R. Rawat

Invited Talk by Dr. R.K. Tiwari, Chief Scientist, CSIR-NGRI 15 min

Climate change: Problems and perspective for predictability

10 Oral presentations - (10x12 mins, **10 minutes presentation followed by 2 minutes discussion**) 120 mins

1. Ionospheric plasma turbulence in VLF range observed by DEMETER Satellite during earthquake: A statistical analysis
A.K. Gwal*
2. Role of Atmospheric Waves in Seeding the Equatorial Spread F: First results
A. Ajesh*, C. Vineeth and T. K. Pant
3. The role of the prompt penetration electric field on the net distribution of electron density over the Indian low latitude regions: Studies based on Severe, Intense and Moderate storm events.
K M Ambili* and R. K. Choudhary
4. Atmosphere-Ionosphere Coupling during Counter Electrojet Events
C. Vineeth* and T. K. Pant
5. Influence on critical load capacity of soil due deposition of dust aerosols in the Delhi region (India)
Disha Sharma* and U C Kulshrestha
6. Regional anomalies of great geo-magnetic storms recorded in India
M. Sridharan*
7. Investigating the two consecutive solar cycles 23 and 24
R. Rawat*, E. Echer and W. D. Gonzalez
8. Microwave emissivity of desert/arid land surfaces
Tinu Antony*, C. Sureshraj, Edwin V. Davis and K. Krishnamoorthy

9. Radiative implications of aerosols over Himalayan glaciers
Vijayakumar S Nair*
10. On the distribution of plasma over low and mid latitude region during the intense geomagnetic storm of March 17, 2013.
P.R. Shreedevi* and R. K. Choudhary

11:15 - 11:30 Hrs - **Tea Break**

Venue: Open Ground

Two Parallel Sessions

11:30 – 13:21 Hrs) - **Technical Session 8**

Venue: Auditorium

Exploration Geophysics (Lithosphere, Crust, Mantle)

Chair: Dr. P. R. Reddy

Co-Chair: Dr. Ajay Manglik

Invited Talk by Dr. RN Singh, Professor, AcSIR, CSIR-NGRI 15 min

Indian oceanic lithosphere: Departures from cooling plate model

8 Oral presentations - (8x12 mins, **10 minutes presentation followed by 2 minutes discussion**) 96 mins

1. Seismic structure of the lower mantle beneath the Indian Ocean Geoid Low
B. Padma Rao and M. Ravi Kumar*
2. Basement structure of the foreland central Ganga basin along the Bhind – Sarda Deep profile by magnetotellurics
Ajay Manglik*, M. Suresh, S. Thiagarajan, and Ankur Kumar
3. Can Magnetic Data image sub-basalt structures? A Case study from Chikotra River Basin in the Deccan Volcanic Province of Maharashtra
Anand.S P*, Vinit C Erram and Gautam Gupta
4. Lithospheric Electrical Structure along Rampur-Banswara Transect, Rajasthan, India
K. Veeraswamy*, K.K. Abdul Azeez, A.K. Gupta and Narendra Babu
5. Deep Crustal Seismic Imaging and its Tectonic Significance in the Rewa Basin of Central India
Laxmidhar Behera*, S. Raju, G.S.P. Rao, S. P. Panigrahi, M. S. Reddy, P. Karuppanan, N. Prem Kumar, N. Venkat Rao, K. Renuka, Karabi Talukdar
6. Delineation of anomalous subsurface electrical structure in the Tatapani hot spring area, Chhattisgarh, using 3D magnetotelluric studies
Prasanta K. Patro*, S. Prabhakar E. Rao, K. Chinna Reddy, Kashi Raju, Ujjal K. Borah, Sivamallaiiah Sana and S. V. S. Sarma
7. Integrated geophysical survey along Purnea-Sevoke transect in Bihar and West Bengal
D.C. Naskar*, L.K. Das and M.K. Rai
8. Geophysical strategy in delineation of PGE host rock, T3 sector of Tasampalaiyam, Sittampundi anorthosite complex, Tamil Nadu
R. Ananda Reddy*, M. Mohan Babu, B. Ashish Giridhar, M. Pradeep Kumar and CBK Sastry

11:30 – 13:21 Hrs) - **Technical Session 9**

Venue: Seminar Hall

Solid Earth Geosciences (Theoretical & Experimental Geosciences)

Chair: Prof. N. Sundararajan

Co-Chair: Prof. M.L. Sharma

Invited Talk by Dr. Sukanta Roy, Project Director, Borehole
Geophysics Research Laboratory, Karad

15 min

Scientific deep drilling to study reservoir triggered earthquakes at Koyna, western India
Harsh Gupta, Sukanta Roy*, N. Purnachandra Rao, H.V.S. Satyanarayana, V.M. Tiwari, Kusumita
Arora, Prasanta Patro, D. Shashidhar, K. Mallika, Surajit Misra, Vyasulu V. Akkiraju, Deepiyoti
Goswami, Pinki Hazarika, Nagaraju Podugu, Satyabrata Das, Amrita Yadav, Rakesh Tiwari, G.
Srihariprasad, Digant Vyas, Gaurav Athavale, Vikrant Bartakke, B.K. Bansal and Shailesh Nayak

8 Oral presentations 96 mins (8x12 mins, **10 minutes presentation followed by 2 minutes
discussion**)

1. Very Low Frequency Electromagnetic (VLF-EM) Investigation for Uranium in Dhofar Region,
Sultanate of Oman
N. Sundararajan*, Bernard Pracejus, Salah Al- Khirbash, T. K Al- Hosni, Alaeddin
Ebrahimi, M. Al- Mushani and Zaher Al-Aamri
2. Optimum wavelet selection: Application to geophysical well log data
Amrita Singh* and Saumen Maiti
3. Fault Geometry Estimation via Bayesian Neural Network Inversion of Gravity Data
Saumen Maiti*
4. Short Time Fourier Transform with overlapping windows for spectral decomposition of seismic data
Kiran Khonde*, Ashutosh Londhe, Richa Rastogi and Anjali Kshirsagar
5. Development and application of time domain Singular Spectrum Algorithms for 2D and 3D
seismic data processing
Rekapalli Rajesh* and R.K.Tiwari
6. Time domain electromagnetic method – An efficient technique for delineation of deep aquifers
in sedimentary basins
G. Pavan Kumar*, E.Mahender, Ashok Kumar Gupta, Kapil Mohan and B.K.Rastogi
7. Surface and subsurface structures of Northeast Tamilnadu: A study based on ground magnetic
investigations and remote sensing technique
Aravind Bharathvaj* and S.Lasith
8. Near-field ground motion simulations for Gorkha earthquake
Surendra Nadh Somala*

13:21-14:20 Hrs - **Lunch**

Venue: Open Ground

14.20 - 15.00 Hrs - **General Body Meeting**

Venue: Auditorium

15:00-16:00 Hrs - **Valedictory Function**

Venue: Auditorium

16:00 Hrs - **Tea**

Venue: Open Ground

The End