

Technical Program

November 8 (Tuesday), 2016

08:00-10:00 Hrs -	Registration	Venue: Near Penman Auditorium
09:30-10:50 Hrs -	Inaugural Function	Venue: Penman Auditorium
10:50-11:20 Hrs -	High Tea	Venue: Near GJLT
11:20-11:30 Hrs -	Inauguration of Exhibition by Sri S. Mahapatra	Venue: Near GJLT
11:30-13:00 Hrs -	FIGA Plenary Session -1	Venue: GJLT

Chair: Prof. Shailesh Nayak

Harsh Gupta

Investigation of Artificial Water Reservoir Triggered Earthquake at Koyna, India

S. Mahapatra

Sustainable Growth of Mineral Resources with Special Reference to Oil & Gas

Terry Barclay

Fostering Exploration in India and Lead Zinc Exploration Methodology

13:00-14:00 Hrs - **Lunch**

Abbreviation for Themes (Sessions):

SEG: Solid Earth Geophysics; **MGS:** Marine Geo-Sciences; **SPAS:** Space, Planetary & Atmospheric Sciences; **MER:** Mineral & Energy Resources; **MAOP:** Modern & Ancient Orogenic Processes; **SICS:** Seismic Imprints from Coupled System; **GEEFP** - Geosciences Education - Experiences & Future Perspective; **WRWP:** Water Resources & Water Policies; **MEOBM:** Mineral Exploration & Ore Body Modeling; **YRP:** Young Researchers Program;

Technical Session-I

14:00-15:30 Hrs – **Parallel Sessions**

SEG-1	Chair: G.C. Katiyar & B.V.S. Murty	Venue: Applied Physics Hall
MER-1	Chair: A.K. Chaturvedi & N.V. Sairam	Venue: Management Studies Hall
MGS-1	Chair: M. Mukhopadhyay & K. Sain	Venue: GJLT

15:30-15:45 Hrs -	Tea break	Venue: Front of Respective Venue
15:45-16:00 Hrs -	Inauguration of Poster Session by Prof. Harsh Gupta	Venue: Near GJLT

Technical Session-II

16:00-18:00 Hrs –	Poster Presentations	Venue: Near GJLT
Chairs: O.P. Pandey, Prakash Kumar, Sanjay Jha, Nittala Satyavani		
18:00-18:15 Hrs –	Tea Break	Venue: Near GJLT
18:45-20:15 Hrs –	Cultural Program	Venue: Penman Auditorium
20:15-21:30 Hrs -	Dinner	Venue: Near GJLT

November 9 (Wednesday), 2016

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

09:00-10:30 Hrs - **FIGA Plenary Session -2** **Venue: GJLT**

Chair: Prof. Harsh Gupta

Shailesh Nayak

36th IGC on Geosciences: The basic science for sustainability

R. Vaidyanadhan

Status of Education in Geoscience – An Overview

P. Rajendra Prasad

Water resources of India: A paradigm shift in the perception of challenges and opportunities

10:30-11:00 Hrs – **Tea Break** **Venue: Near GJLT**

Technical Session-III

11:00-13:00 Hrs –**Parallel Sessions**

SEG-2	Chair: V.P. Dimri & R.K. Tiwari	Venue: Applied Physics Hall
SICS-1	Chair: K. Rajeev & Alam Kherani	Venue: Management Studies Hall MEOBM-
1	Chair: B.C. Sarkar & R.H. Sawkar	Venue: GJLT

13:00-14:00 Hrs - **Lunch**

Technical Session-IV

14:00-15:30 Hrs –**Parallel Sessions**

WRWP-1	Chair: P. Sharma & L. Elango	Venue: Applied Physics Hall
MAOP-1	Chair: V.M. Tiwari & J.R. Kayal	Venue: Management Studies Hall
GEEFP-1	Chair: K.V. Subba Rao	Venue: Management Studies Hall
MEOBM-2	Chair: B.C. Sarkar & R.H. Sawkar	Venue: GJLT

14:00-15:30 **EC Meeting (AHI)** **Venue: Seismic Lab, Geophys. Dept.**

15:30-15:45 Hrs - **Tea break** **Venue: Near GJLT**

Technical Session-V

15:45-17:45 Hrs – **Parallel Sessions**

MAOP-2, SICS-2		
SPAS-1	Chair: A. Pandey & S. Gupta	Venue: Management Studies Hall
MER-2	Chair: B.B. Bhattacharya & M. Ali	Venue: GJLT
WRWP-2	Chair: P.K. Sikdar & V. Rao	Venue: Applied Physics Hall

15:45-17:15 **EC Meeting (IGU)** **Venue: Geophysics Dept. Library**

17:00-18:00 **GB Meeting (AHI)** **Venue: Seismic Lab, Geophys. Dept.**

17:45-18:15 Hrs - **Tea Break**

18:15- 18:45 Hrs – **Free Time**

18:45- 20:30 Hrs – **Cultural Program**

19:00-20:30 Hrs- **Dinner**

November 10 (Thursday), 2016

08:00-09:30 Hrs - **EC & GB Meeting of FIGA**

Venue: Senior Academic Hostel

Technical Session-VI

09:00-10:30 Hrs - Parallel Sessions

SEG-3 **Chair: S.P. Sharma & P.K. Pal**
GEEFP-2 **Chair: K.V. Subba Rao & V. P. Mishra**
WRWP-3 **Chair: L. Elango & Satyaji Rao**

Venue: Applied Physics Hall
Venue: GJLT
Venue: Management Studies Hall

10:30-11:00 Hrs - **Tea Break**

Venue: Near GJLT

Technical Session-VII

11:00-13:00 Hrs - **Parallel Sessions**

SEG-4 **Chair: O.P. Pandey & S. Mukherjee**
WRWP-4 **Chair: S. Ahmed & A. Majumder**
GEEFP-3 **Chair: D.M. Banerjee & M.P. Singh**

Venue: GJLT
Venue: Applied Physics Hall
Venue: Management Studies Hall

13:00-14:00 Hrs - **LUNCH**

Technical Session-VIII

14:00-15:30 Hrs - **Parallel Sessions**

YRP **Chair: R.K. Tiwari & Niloy Khare**
MGS-2 **Chair: P.R. Mohanty & M. Ismaiel**
WRWP-5 **Chair: Mohan Kumar & P. R. Prasad**

Venue: Applied Physics Hall
Venue: GJLT
Venue: Management Studies Hall

15:30-15:45 Hrs - **Tea break**

Venue: Near GJLT

15:45- 16:15 Hrs- **IGU GB Meeting**

Venue: GJLT

16:15- 17:00 Hrs **Concluding Session**

Venue: GJLT

November 8 (Tuesday), 2016

14:00-15:30 Hrs -

Technical Session -I

Parallel Sessions

Solid Earth Geosciences (SEG-1)

90 minutes (20+ 6(12m))

Chair: Sri G.C. Katiyar & Prof. BVS Murty

Venue: Applied Physics Hall

Invited Talk

G.C. Katiyar

Use of Elastic Properties for Reservoir Characterization

Presentations

Inferring Past Environmental Conditions Using Geochemical Signatures: Manasbal Lake, Kashmir, India

Aasif Lone, Babeesh Balan, Hema Achyuthan and Rakesh Chandra

Lacunarity and Image-Quilting: Applications in Fractured Media and Other Geologic Data

Ankur Roy, Tapan Mukerji and Edmund Perfect

Deep crustal seismic images from the Proterozoic Vindhyan basin, NW India– a relook with the Common Reflection Surface stack approach.

Biswajit Mandal, V. Vijaya Rao, Mrinal K. Sen, P. Karuppannan and Dipankar Sarkar,

Spatial and Temporal Variations of Total Electron Content over Gujarat during 2012

C.P. Simha, K.M. Rao, R.K. Dumka and Joydeep Paikrayz

Magnetotelluric (MT) and resistivity survey along Belsara-Rasunpur traverse delineating conductivity structure over Bakreswar geothermal region in Birbhum district, West Bengal

D.C. Naskar and S.K. Biswas

Enhancement of Gravity signatures of the Delhi-Haridwar ridge

Divyanshu Dwivedi and Ashutosh Chamoli

Mineral and Energy Resources (MER-1)

90 minutes (2(20)+ 4(12m))

Chair: Dr. A.K. Chaturvedi & Sri N.V. Sairam

Venue: Management Studies Hall

Invited Talks

N V Sairam

Utilisation of Down hole Geophysical Well Logs in operational control & technical studies in Coal Exploration. A Case Study from Jharia Exploration by TSL

A.K. Chaturvedi

Exploration for concealed uranium deposits – Challenges and opportunities

Presentations

Particle Swarm Optimization Based Inversion of Residual Magnetic Anomaly caused by Simple Geo-Bodies for Mineral Exploration

Anand Singh and Arkoprovo Biswas

Where to see for Manganese Ore in Joda Block of J-K Belt of Singhbhum Craton-A Geophysical Assessment

B.V.S. Murthy, B. Madhusudan Rao, A.K. Dubey, N. Srinivasulu and P.D. Venkateswarlu

Tracing Coal-Seam in Koyagudem Block, Singareni Coal Fields, through Gravity and Other Geophysical Methods

B. Metramulu, Y.V.R. Narsi Reddy, P. Chandra Reddy, G. Nandakumar and B.V.S. Murty

Field scale Exploration of Free phase gas dynamics in Tropical Peatlands of SouthWest India with Ground Penetrating Radar

Devi K and Rajesh R. Nair

Marine Geosciences (MGS-1)

90 minutes (20+6(12))

Chair: Prof. Manoj Mukhopadhyay & Dr. Kalachand Sain

Venue: GJLT

Invited Talk

Manoj Mukhopadhyay

Red sea spreading effects along The SW Margin of Saudi Arabia – Geophysical Insight

Presentations

Imaging sub-volcanic sediments from wide-angle seismic data in selected basins of India
Kalachand Sain

Reservoir Characterization using Seismic Inversion Technique and AVO Analysis
Amrita Roy and Rima Chatterjee

Estimation of Pore Pressure and Stress Magnitude from Pre-Stack Seismic Data in Gas Hydrate Bearing Sediments, Krishna-Godavari (K-G) Basin, India
Dip Kumar Singha, Rima Chatterjee, Kalachand Sain and N.P. Singh

Preliminary results of magnetic susceptibility variations in Krishna-Godavari and Mahanadi basin sediments: Implications for sediment provenance
F. Badesab, P. Dewangan, M. Kocherla, V. Gaikwad and A. Usapkar

Isotopic characteristics of rainwater from the Minicoy Island, India
Fousiya A A, Hema Achyutan, S. Chakraborty, Nitesh Sinha and Amey Datye

Site Amplification effects at Surface and Borewell Recording Sites of Japan using H/V Method
Sandeep, Parveen Kumar, Koushik Salui, Abhishek Sharma and S.K. Sah

November 8 (Tuesday), 2016

16:00-18:00 Hrs -

Technical Session -II

Poster Session

Chairs: Dr. O.P. Pandey, Dr. Prakash Kumar, Sri Sanjay Jha, Dr. Nittala Satyavani

Posters

Variations in the parameters of Cosmic Rays during the arrival of Magnetic Clouds
A. Ghosh, S. Choudhary and A. K. Gwal

Estimation of Near Surface Attenuation (Kappa) for Delhi Region
Abhilash Saini, Snehanjan Mishra, Ravi Prakash Singh, Murlidhar Sharma and Somali Priyadarshini Prusty

Estimation of Site Amplification During the 1991 Uttarkashi Earthquake using H/V Method
Sandeep, Abhishek Sharma, Parveen Kumar, Koushik Salui and Sohan Lal

Resistivity Survey: A Case Study of the Konkan Coastal Belt, Maharashtra
Aditi Singh, V.C. Erram, Sandeep, G. Gupta

Geoinformatics based Groundwater Quality Assessment in South Karanpura Coalfield Region, Jharkhand, India
Akshay Kumar and Akhouri Pramod Krishna

Identification of Bottom simulating reflector using post stack inversion technique and seismic attribute analysis
Anju K Joshi, Laxmi Pandey and Kalachand Sain

Dynamic Vulnerability Of Fluoride Contamination In Granite Hard Rock: A case study
Ankita Chatterjee and Shakeel Ahmed

f_{max} and source parameters in the japan region
Anshul Panwar, Rohtash Kumar, Raghav Singh and Arjun Kumar

A preliminary Paleomagnetism and Geochronology studies of Proterozoic mafic dykes from Southern Granulite Terrain, Southern India
Anup K. Sinha, A.F. Pivarunas, J.G. Meert and M.K. Pandit

Morphology of Equatorial Electrojet at three closely spaced sites in the Indian sector
Archana R.K, N. Phani Chandrasekhar and Kusumita Arora

A model based study on the effect of thin beds on the frequency spectrum and attenuation estimation from surface reflection seismic data
V.H. Arjun, N.Satyavani and Kalachand Sain

Appraisal of gas hydrates and free-gas saturation in the Mahanadi offshore
Arun K.P., Jitender Kumar and Kalachand Sain

Geochemical characterization and stratigraphic correlation of Late Pleistocene Tephra from Mahanadi offshore region (Bay of Bengal)
M.Kocherla, A.R. Estibero, M. Satyanarayanan H.M., Joao, F. Badesab and S. Barik

Snow grain size mapping using simulated Hyperspectral data
Ashwini Kumar Patel, Vinay Kumar, Varun Tiwari, Kamal Pandey and Vaibhav Garg

Traveltime tomography of synthetic ocean bottom seismic data: a case study
A.S.S.S.R.S. Prasad, A. Prasanti and Kalachand Sain

Stress drop variations and source scaling relations of moderate earthquakes of the Indian tectonic plate
Bandana Baruah, Prakash Kumar, and M. Ravi Kumar

Continued Reservoir Triggered Seismicity at Koyna-Warna, Western India
Bhabani S. Maity, Chitta Ranjanmahato, D. Shashidhar, K. Mallika, H.V.S. Satyanarayana, N. Purnachandra Rao and Harsh K. Gupta

Seismic Stratigraphy and sedimentation history across the South Western Continental Margin of India (SWCMI)
Bincy P.K, Rajeev Yadav and D.K Pandey

Foundation evaluation of a distressed building using seismic refraction and electrical resistivity imaging
B Butchibabu, Jha P C and Khan P K

Foundation evaluation of structures using correlation between seismic wave velocity and SPT- N value
B. Butchibabu, Jha P C and Khan P K

Indian Continental Moho
Chinmay Haldar, Prakash Kumar, M. Ravi Kumar, and Labani Ray

Magneto-mineralogy and magnetic susceptibility study of Gneissic rocks and associated intrusive from Bankura and Purulia, West Bengal, India
Debesh Gain, Saurodeep Chatterjee and S. Mondal

Delineation of shallow-level heterogeneities based on gravity modelling in Bhuj and adjoining areas, western India
Dhananjay Singh, Prosanta Kumar Khan, Sarada Prasad Mohanty and SK Shamim

Seismic attribute analysis for mapping of coal seams and structural features at Durgapur, West Bengal.
K Dhanam, D Mysaiah, P Pavan Kishore, T Seshunarayana and HVS Satyarayana

Delineation of different crustal layers and heterogeneities along the Tripura Fold-belt, northeastern India, based on gravity modeling
Dhananjay Singh, Prosanta Kumar Khan, Sarada Prasad Mohanty and SK Shamim

Enhancement of Gravity signatures of the Delhi-Haridwar ridge
Divyanshu Dwivedi and Ashutosh Chamoli

A preliminary Paleomagnetism and Geochronology studies of Proterozoic mafic dykes from Southern Granulite Terrain, Southern India
Anup. K. Sinha, A.F. Pivarunas, J.G. Meert, & M.K. Pandit

Indian Energy Scenario: Resource and Economic Potential of Gas-hydrates – Multiproxy Investigations

M. Kocherla and Gas Hydrate Research Group

Estimation of High Frequency Decay Parameter (α) for National Capital (Delhi) Region
Manisha Sandhu, Priyanka, Dinesh Kumar and S.S. Teotia

Delineation of subtle structural features from multi-attribute seismic analysis:

A case study from offshore Nova Scotia, Scotian Basin

Eshaan Srivastava and Animesh Mandal

Geologic Interpretation of subsurface using 3D seismic data: A study from North Sea
3D seismic survey

Fawz Naim

Crustal Structure and Stress field variation along the East Indian passive margin:

A Finite element modeling approach.

Disha Saha, Alok Kumar and G. Srinivasa Rao

3-D Shear Velocity Image of Crust and Uppermost Mantle beneath India and adjoining region
from Noise and Earthquake Waveform

Gokul Saha, S.S.Rai and Shalivahan

A Comparative study of absorbing boundary conditions in modelling Seismic wave propagation

Himanshu Midha, Abhishek Dubey, Kalachand Sain

Analysis of Ionospheric perturbation and pre-determination of epicenter of the recent
earthquakes using GIM

Ilius Mondal and Rupdeep Adhya

Mineralogical characterisation of Ore and Host Rocks in Kho-Dariba Copper Deposit,
Alwar district, Rajasthan

Janmejaya Sahoo, P R Sahoo, Israil Khan, Sahendra Singh and A S Venkatesh

Geochemical assessment of Puravadaianar Estuary, Karaikal, South East Coast of India
Jeshma P and Suresh Gandhi M

Interpretation of Gravity and Magnetic Data using 3D Euler Deconvolution and

Spectral Analysis for Manganese Exploration in Jamda-Koira Belt, Odisha

Jeetendra soren and Upendra Kumar Singh

Seismic attributes for delineating gas hydrates: A study from the Mahanadi offshore basin

Jitender Kumar, Arun K P and Kalachand Sain

Near and far field Co-seismic offsets of 25th April 2015 Mw 7.8 Nepal earthquake from
continuous GPS data

Rajesh S, John P Pappachen and S K Pal

Disparity in the Ionospheric Total Electron Content using the GPS data, during Nepal
(Mw 7.8) and Talala (Mw 5.1) earthquakes

Joydeep Paikray, Rakesh K. Dumka, C. Prasanna Simha and Sandip Prajapati

Possible Proterozoic sedimentation further east of the Cuddapahbasin : Seismic evidences

K. Chandrakala

Delineation of fractures in Koyna-Warna region of Maharashtra in Deccan Volcanic Provinces
through Acoustic Tele Viewer log

K.N.S.S.Srinivas, M.SrihariRao, T.Seshunarayana and H.V.S.Satyanarayana

Spectral Amplification and 3D Simulation of basin effects based on basin transduced
Rayleigh Waves

Kamal, Dinesh Kumar, J.P. Narayanand Komal Rani

Gas hydrate saturation from well log data in the Krishna Godavari Basin using
Rock physics theories

Keshav Kumar, M. Ojha, Uma Shankar and K. Sain

Upwelling in and around the Lakshadweep Archipelago, South East Arabian Sea

Kishan Patel and Netramani Sagar

Lapse time dependent Coda-Q (Q_c) in the Eastern Indian Shield

Koushik Biswas, Prantik Mandal, and Prosanta Kumar Khan

Electrical resistivity structure of Dharwar Craton

Kusham, Pradeep Naick B, Pratap A and Naganjaneyulu K

Temperature dependence of thermal conductivity for the granitoids of the Bundelkhand craton, central India

Labani Ray, N. Narshimha Naidu, Varun Kumar and Nishu Chopra

Porosity estimation using Artificial Neural Network (ANN) - A case study

Laxmi Pandey, Anju K Joshi and Kalachand Sain

Crustal architecture and Moho topography beneath the Eastern Continental Margin of India (ECMI) from seismic and gravity inversion results – new insights on rift evolution and continent-ocean boundary

M. Ismaiel, K.S. Krishna, K. Srinivas, J. Mishra⁴, D. Saha⁵

Shallow subsurface resistivity variations across the north Wagad and Gedi fault zones, Kachchh: Results from transient electromagnetic studies

E. Mahender, Mehul Nagar and G. Pavan Kumar

Investigation of Ionospheric response due to 2015 Illapel M_w 8.3 earthquake (Chile)

Mahesh N Shrivastava, G. González and Juan Carlos Baez

Review of existing Seismic Structure beneath the Indian Ocean and preliminary estimate with new data is reported for its Seismogenic Potential

M S Ekka, P N S Roy, O P Mishra and Vikas Kumar

New observations of One second data with GEOMAG-02MO magnetometer

L. Manjula, Phani Chandrasekhar. N and B. Jayashree

Linear and Non-Linear Techniques for Interpretation of Gravity Anomaly due to Buried Horizontal Cylinder: A comparison

Mohit Pandey, Monika, Neelam Devi, Anil Kumar and Sukhdeep

Geophysical and hydrochemical investigation for saline water ingress in coastal aquifers of west coast Maharashtra

N. Suneetha, M. Laxminarayana, V.C. Erram, G. Gupta, G. Shailaja, B.D. Kadam and P. Rama Rao

Crust and Upper Mantle structure of the western Himalaya through waveform modelling

Nagaraju Kanna, K.S. Prakasam and Sandeep Gupta

Implications of East Gondwana breakup on the architecture of West Bengal sedimentary basin, India as revealed by seismic refraction tomography

N. Damodara, Kalachand Sain, V. Vijaya Rao, ASSRS Prasad and ASN Murty

Source Time Function retrieval using Empirical Green Function Technique

Neelam Rani, Ritu Paliwal, Simmi Grewal and S.S. Teotia

Neotectonic attributes of Soan dun at Northeast Himachal Himalaya

Neha Joshi and Girish Ch Kothiyari

Distribution of Recent Benthic Ostracoda, During Summer Season 2012, in Palk Bay, East of Rameswaram, Southeast Coast of Tamilnadu, India

Nimmy P.M., S.G.D. Sridhar and N. Rajeshwara Rao

Exploring the Relation of Criteria Pollutants and Visibility through Empirical Model during Foggy Days in Metropolitan City, Delhi

Pallavi Saxena and Umesh Chandra Kulshrestha

Groundwater potential zone detection using geophysical surface resistivity survey in agricultural lands instant benefit to the farmers in Balurghat area, West Bengal

P.P. Mahato, N.C. Mondal, E. Nagaiah, K. Lohith Kumar, S.A. Mizan and S. Ahmed

Recent Fractal Seismicity pattern for North East India by using correlation integral approach

Partha Sarkar and P.N.S Roy

Comparative study of total electron content from GPS data at two terrains: plain and hill

Prabhakar Singh, K.Vijay Kumar, Gautam Param, P.S.Sunil, G.S. Yadav, Uma Shankar

An evaluation of Aquifer flow using geophysical method in Nakkaneri-Radhapuram which shows exceptional drainage and flow pattern
F. Pradeepa and Jerin. P. Shaji

2D Crustal Electrical Resistivity Structure in the Western Dharwar Craton in Southern India: Preliminary Results
Pratap A, Pradeep Naick B, Kusham S and Naganjaneyulu K

An Estimation of Source Parameter and Scaling Law for Earthquakes in Kutch Region
Priyanka, Indu and Santosh Kumar Sundiryal

EM induction studies in Saurashtra region
P B V Subba Rao, P V Vijay Kumar, C K Rao, A K Singh and P Rama Rao

Provenance, Palaeoclimate and tectonic settings of the Gondwana sediments of the Upper and Lower Palar Basin, Southern India, Tamil Nadu
R. SubinPrakash and S. Ramasamy

Comparison of scattering and intrinsic attenuation of crust and mantle in eastern Himalaya and southern Tibet
Rahul Biswas and Chandrani Singh

Identification of Formation Interfaces and Facies recognition using Wavelet Transform and Wavelet Based Fractal Analysis
Rahul Prajapati and Upendra K. Singh

Remote Triggering of Earthquakes in African Continent
Rajat Pasricha, Abhishek and Monika Rani

3D seismic data and horizon de-noising using Singular Spectrum based methods
R.Rajesh and R.K.Tiwari

Attenuation of High Frequency P And S-Wave in NE India
Raju Singh, Rohtash Kumar, D. Srinagesh and Raghav Singh

Application of Electrical Resistivity Tomography for Delineation of Underground Mine Goaf Injharia Coal Field
Rajwardhan Kumar, Piyush Priyam Abhay Kumar Bharti, Saurabh And S K Pal

Geoelectric strike variations across the Gedi fault zone and the Bela Island, Kachchh: Results from magnetotelluric strike analyses
Rakesh Nikam, Abul Aas, Mehul Nagar, E. Mahender, G. Pavan Kumar and S.K.G. Krishnamacharyulu

Finding of Thin Hydrocarbon Sands in Small Marginal Field through Coloured Inversion Technique - A Case Study in Mid Cambay Basin, India
Ramesh Gupta and Dr. Saurabh Datta Gupta

Gas Hydrate Saturation Using Model Based Inversion- Application to KG Site NGHP-01-05
Rowtu Ramu, V.H. Arjun and Kalachand Sain

Fault interpretation using seismic attributes: A study from Blake ridge gas hydrate zone
Ravi Prasad Palli and Kalachand Sain

The Impact of Ground Water Quality on Chronic Kidney Disease in Coastal Andhra Pradesh
N.V.B.S.S. Prasad, K. S Sastry, G. Satyanarayana*, P. Ramadas and P. Padmavathi Devi

Petro-Physical Properties of Exposed Crustal Rocks from the Dharwar Craton, Karnataka
S. Ravinder and K.J. Prasanna Lakshmi

Mapping of high-resolution magnetic isochrons in the eastern sector of the Australian-Antarctic Basin between chrons 13n (33.5 Ma) and 5n (9.7 Ma)
K.S. Reshma, M. Shuhail and V. Yatheesh

Evaluation of Neotectonic variability along major Himalayan thrusts within the Kali River Basin, In Central Kumaun Himalaya
Riyanka Talukadar and Girish Ch Kothiyari

Delineation of structural features of Bhuj Epicentral region of Kachchh basin using high resolution gravity data

Seelam Venkateswar Rao, Avinash Kumar Chouhan, Nawneet Kumar, R.K Singh,
R.K Dumka and K.M Rao

Mineralo-Granulometric evaluation of 2004 Indian Ocean Tsunami deposits along the
South-East coast of India
M.Kocherla, Babu Nallusamy, V.J. Loveson, A.R. Estibeiro and S. Barik

Identification of Free Gas below BSR from AVA analysis in Krishna-Godavari offshore basin
Sachin Kumar, M. Ojha, Uma Shankar and K. Sain

Hydrothermal Origin of Gold Occurrences within Quartz-Pebble-Conglomerates (QPC) of
Gorumahisani-Badampahar Schist belt, Singhbhum Craton, Eastern India.
Rajarshi Chakravarti, Sahendra Singh, and A.S.Venkatesh

Distribution of Fine Mode Aerosols over Indian Sub- continent and Indian Ocean
Sahil Sharma

Grey Wolf Algorithm- A new tool to invert geophysical data
Sajan Kumar, Suraj Kumar and Shalivahan Srivastava

Seismic b-value variation prior to Gorkha-Nepal Earthquake (Mw7.8), April 25, 2015
S.K.Mondal, J .K. Catherine and P.N. S. Roy

Wet scavenging of carbonaceous aerosols during dust storm showers in Delhi
Saurabh Sonwani and Umesh Kulshrestha

Hydrogeophysical studies for aquifer mapping in semi-arid region of Maharashtra
G. Shailaja, G. Gupta, M. Laxminarayana, N. Suneetha, V.C. Erramand P. Rama Rao

Mapping of Potential Lake Sites in Gangotri Glacier
Shashank Bhushan and Tajdarul H. Syed

Measurement of Soil Moisture based on Acousto-Optic Resonance of Solid Soil
Mayur Nanda, Shiva Vaishya and Suraj Bhosle

Total Geomagnetic field changes in association with six small magnitude earthquakes in
Kachchh, Gujarat, India
Shivam Joshi, K.M.Rao and C.P.Simha

A comparative review on application of various heuristic algorithms for the case of Resistivity
Inversion
Shubham Kumar Priyadarshi and Saumen Maiti

Imaging the Subsurface Velocity Structure Of South India Using Love Wave Tomography
Silpa S, Somasish Bose, Sandeep Gupta, K. Sivaram, Sudesh Kumar, K. Nagaraju and B.N.V. Prasad

Utilization of GECO global gravity data and edge enhancement technique in delineation of
structural features over parts of 85°E ridge
Satya Narayan, Vipin Kumar Patahk, T.J. Majumdar, S.K. Pal, Ujjawal Kumar and Saurabh

Tectonic attributes and Evolution of drainage in response to brittle ductile dynamics and
surface processes: A Core study in kachchh Rift Basin
Sneha Mishra, Girish Ch. Kothyari, A. P. Singh, Raj Sunil Kandregula and Indu Chaudhary

Study of seismic b-value and future earthquake hazard in the Nepal Himalaya region:
A perspective on 2015 Gorkha, Nepal earthquake
Sourav Kumar, Rajdeep Purkayastha, Vinti Sharma, Nitu Yadav and Reetu

Tista river response to uplift in the Himalayan Terrain: a morpho-tectonic approach
Sravan Kumar, Prabha Pandey and Anand K. Pandey

Study of Structural Deformation in the Central Indian Ocean Using Multi Channel
Seismic Data
Sulfiath S, N Lachit Singh, Ajeet Kumar and D.K Pandey

Rayleigh waves and its imprints in ionosphere - Detailed analysis from seismometer
observations and GPS TEC observations after 25 April 2015 Nepal Gorkha earthquake
S. Sunil

Seismic Interpretation By Wavelet Transform
Sunjay and Manas Banerjee

3D Topography correction applied to magnetotelluric data

Sushil Kumar, Prasanta Kumar Patro and Bhagwan Singh Chaudhary

Multivariate statistical evaluation of highly Arsenic contaminated groundwater in flood plain of Ganga-Son interfluves.

Syed Adil Mizan, Ankita Chatterjee and Shakeel Ahmed

Vulnerability Assessment of Coastal Aquifer to Seawater Intrusion

Tharun Rand Suresh Gandhi

The b-value mapping and seismicity in the vicinity of Sagaing fault in Myanmar region

Thatikonda Suresh Kumar, Arka Roy and V. Nanda Kumar

2D post stack Inversion for Acoustic Impedance and Porosity in part of Upper Assam Basin

Triveni Gogoi, and Rima Chatterjee

Simulation of Strong Ground Motions of 1986 (m_b 5.5) Dharamsala earthquake using Stochastic Model

Vishal, Neeraj Choudhary and Neha Tanwar

Coulomb Stress Transfer Model on the Basis of Stress and Strain State of 2011 Sikkim Earthquake

Ravindra K Gupta, Abhishek Kumar and Vishnu Dayal

Airborne LiDAR data reveals signature of faults associated with seismicity in the Koyna - Warna RTS Zone, Western India

Y. Srinu and Kusumita Arora

Seismicity Pattern and its Characteristics in Northeast India

Yash Jain and Srinagesh Davuluri

November 9 (Wednesday), 2016

11:00-13:00 Hrs -

Technical Session -III

Parallel Sessions

Solid Earth Geosciences (SEG-2)

120 minutes (20+ 9(12m))

Chair: Prof. V.P. Dimri & Dr. R.K. Tiwari

Venue: Applied Physics Hall

Invited Talk

V. P. Dimri

Paris Declaration: Reduction of Global Warming by Geosequestration of excess CO₂

Presentations

Seismic Microzonation and Safe Design of Structures

H.S. Mandal, O.P. Mishra and P.K. Khan

Spectral Analysis of Magnetic data in a part of Delhi Fold Belt- NW Indian Shield and its Geodynamic implications

K. Satish Kumar, G.S. Srinivas, M. Shri Hari Rao and R.K. Tiwari

Seismic Anisotropy study along Eastern Dharwar Craton-Deccan Volcanic Province profile

K. Sivaram, Sandeep Gupta, Sudesh Kumar and BNV Prasad

Delineation of tectono-sedimentary structure along the Shadol to Rewa transect- Geophysical Prospective View

M. Tirupathi, B. Laxmaiah, K. Satish Kumar and A.R. Bansal

Basement depths estimation from gravity anomalies: Two 2. 5D approaches coupled with exponential density contrast model

K. Mallesh, B. Ramamma and V. Chakravarthi

Recommending bore hole drilling using equivalence analysis of Vertical Electrical Sounding data in sedimentary area

Ankit Gupta, N.C. Mondal, Ravi Chaurey and Shakeel Ahmed

Geophysical investigation of Qarat Kibrit Salt dome in search of uranium mineralisation in south of Adam-Sultanate of Oman

Alaeddin Ebrahimi, Bernhard Pracejus, Talal Al-Hosni and Narasimman Sundararajan

Metasomatically induced anomalous Seismic Velocity Drop in Iron-rich mid-crustal basement Rocks from Killari Earthquake Region, Maharashtra (India)

O.P. Pandey, Priyanka Tripathi, Nimisha Vedanti and D. Srinivasa Sarma

Imaging the subducting Indian oceanic slab beneath the Andaman using Receiver function studies

Prakash Kumar, G. Srijayanthi, and M. Ravi Kumar

Seismic Imprints from Coupled Systems (SICS-1)

120 minutes (20+ 8(12m))

Chair: Dr. K. Rajeev & Dr. Alam Kherani

Venue: Management Studies Hall

Invited Talk

Alam Kherani

Siesmogenic disturbances in the Gesosphere: Tool for early warning

Presentations

Manifestations of Mw7.8 and Mw7.3 2015 Nepal Earthquakes in lower ionospheric plasma perturbations from VLF measurements

Ajeet K Maurya, Rajesh Singh and D.S. Ramesh

Ionospheric response of strong earthquakes over the Indian subcontinent using GPS TEC measurements

Ashik Paul and Aditi Das

Directivity of Coseismic Ionospheric Disturbances: Role of Ambient magnetic field vs. Rupture propagation direction?

Catherine, J.K., and D. Uma Maheshwari

Imaging the Rayleigh wave group velocity from the ionospheric response due to M_w 7.8 Nepal earthquake on 25 April 2015

C.D. Reddy

A complete understanding of the observational biases and modeling of Ionospheric response to seismic events from GPS - TEC observations

Dhanya Thomas and Lucie Rolland

Estimation of TEC from GPS networks for seismic studies

Gopi K Seemala

Co-seismic ionospheric perturbations during 11 April 2012 Sumatra earthquake

Mala S. Bagiya, A.S. Sunil, C.D. Reddy, and D.S. Ramesh

Pre-earthquake ionospheric anomalies in TEC observed during an earthquake event of $M \sim 6.9$ (Qinghai, 33.19°N, 96.75°E, China)

Malini Aggarwal

Mineral Exploration and Ore Body Modelling (MEOBM-1) 120 minutes (3(20m)+ 5(12m))

Chair: Prof. B.C. Sarkar & Dr, R.H. Sawkar

Venue: GJLT

Invited Talks

O.P. Varma

Ore Deposit Modelling - The only Headway to Successful Exploration

B K Sahu

Profit Maximization in Mining using Dynamic Modelling Technique to Estimate Optimal Cutoff Grade

Bimalendu B. Bhattacharya

Interpretation of Geophysical Exploration Data for Minerals by Inversion Techniques and Modelling

Presentations

Exploration Strategy for Atomic Minerals in India
Anand Kumar Chaturvedi and Ashwini Kumar Rai

Economic Model of Gold Mining
R. H. Sawkar

A Perspective of Coal Exploration Strategy in India: Present and Future
P. K. Pal

Explaining the Arsenic Pollution of Groundwater in Bengal Basin
P. K. Sikdar

Iron Ore and Steel Industry: Future Outlook
S K Mohanty, B C Sarkar and K K Chatterjee

November 9 (Wednesday), 2016

14:00-15:30 Hrs -

Technical Session -IV

Parallel Sessions

Water Resources and Water Polices (WRWP-1)

90 minutes (2(20m)+ 4(12m))

Chair: Dr. P. Sharma & Prof. L. Elango

Venue: Applied Physics Hall

Invited Talks

Arunabha Majumder

Water treatment and policies

Prabhakar Sharma

Hydrogeologic testing during drilling of deep borehole: application of FFEC logging method

Presentations

Hydrological inferences from watershed analysis for water resource management
Anamika Shalini Tirkey, Mili Ghosh, A.C. Pandey and Shashank Shekhar

Delineation of Groundwater Bearing Fracture Zones Using VLF-EM Method in Parts of Jodhpur City Rajasthan, India
Birendra Pratap and G.S. Yadav

Fluvio-Hydrological Investigation of Offtake Dynamics and Mechanism of Cut-Off Formation of River Bhagirathi-Hugli, West Bengal (India)
Biswajit Bera

Groundwater Potential Mapping in Kakching Watershed using Remote Sensing and GIS Techniques, Thoubal District, Manipur, India
Ch. Samurembi Chanu, Shakeel Ahmed and B.V. Rao

Modern and Ancient Orogenic Processes (MAOP-1), GEEFP-1

90 minutes (1(20)+ 3(12m))

Chair: Dr. V.M. Tiwari & Dr. J.R. Kayal

Venue: Management Studies Hall

Invited Talk

J R Kayal

Seismotectonics of Northeast India Region: An Appraisal

Presentations

Neotectonic deformation in Himalayan foothills
Anand Pandey

Mesozoic exhumation and cooling of Eastern Dharwar Craton: its relation to the sedimentation in the Krishna-Godavari Basin, India
Devender Kumar and H.S. Sahu

Topographic rejuvenation and drainage migration in the Eastern Himalayan syntaxis revealed by relict landscape and knick-point migration
Nilesh Kumar Jaiswara, Anand K. Pandey and Prabha Pandey

Geosciences Education –Experiences and Future Perspective (GEEFP-1) (1(20))

Chair: Prof. K.V. Subba Rao

Venue: Management Studies Hall

Invited Talk

Vivek S. Kale

Geoscience education in India: a case of paradise lost?

Mineral Exploration and Ore Body Modelling (MEOBM-2) 90 minutes 2(20m) + 3(12m))

Chair: Prof. B.C. Sarkar & Dr. R.H. Sawkar

Venue: GJLT

Invited Talks

Sudesh Kumar Wadhawan

Way Forward on Challenges and Strategies for Mineral Exploration and Development in India

S. K. Bhushan

Exploration and 3D Model of Kamthai Rare Earth Deposit

Presentations

Geostatistics in Mineral Deposit Modelling
B. C. Sarkar

fO₂, P-T-D Estimates, Ni-Thermometry, Sub-Continental Lithospheric Mapping: Some Smarter Imprint Information in Diamond Exploration
Abhijeet Mukherjee and E.V.S.S.K.Babu

Ore Body modelling with special reference to Uranium Exploration and Mining in India
A. K. Sarangi

November 9 (Wednesday), 2016

15:45-17:45 Hrs -

Technical Session -V

Parallel Sessions

Modern and Ancient Orogenic Processes (MAOP-2), SICS(2) & SPAS(1)

120 minutes (3(20)+3x12) 96m

Chair: Dr. A. Pandey & Prof. S. Gupta

Venue: Management Studies Hall

Invited Talks

Saibal Gupta

The Eastern Ghats of India – An Ancient Himalaya?

Soumyajit Mukherjee

Out-Of-Sequence Deformation in The Himalaya

K. Rajeev

Climate, radiation budget and energy transfer between earth and atmosphere

Presentations

Source and Causes of 2015 Great Pluvial Flood of Chennai and its surroundings

A. Akilan, S. Balaji and K. K Abdul Azeez

Afternoon Counter-Electrojet current system along 75°E meridian during IEEY

S.K. Bhardwaj and P B V Subba Rao

A study on the propagation conditions in the Atmosphere prior to some seismic events

Sheetal P. Karia

Mineral and Energy Resources (MER-2)

120 minutes (2(20m)+ 7(12m))

Chair: Prof. B.B. Bhattacharya & Mr. M. Ali

Venue: GJLT

Invited Talks

Bimalendu B. Bhattacharya

Exploration Geophysics: Problems and Prospects

R.K. Tiwari

Emerging singular spectrum based algorithms for 2D and 3D seismic data processing:

Numerical results and field examples

Presentations

Magnetic and sedimentological signatures of heavy mineral enrichment and beach erosion along a coastal stretch of Arnala Beach, North Maharashtra, India.

F. Badesab, S.D. Iyer, A.R. Gujar, D.K. Naik, S.S. Gaonkar, R.A.A. Luis, P. Shirodkar and S. Naik

An Integrated Approach to Geostatistical Modelling of a High Grade Iron Ore Deposit, Eastern India

B.C. Sarkar, Rahul Kumar Singh, Girija Shankar Behera and Dipankar Ray

Indian Energy Scenario: Resource and Economic Potential of Gas-hydrates – Multi-proxy Investigations

M. Kocherla and Gas Hydrate Research Group

In-situ Horizontal Stress Orientation is essential parameter for Exact Direction of Drilling the Inclined and Horizontal Well for Well Placement and Well Completion

Muhammad Ali

Mineral Inventory Modelling using Geostatistics for a Bauxite Deposit of East Coast, Odisha, India

B.C. Sarkar, Girija Shankar Behera and Rahul Kumar Singh

Gravity anomaly separation using bi-dimensional empirical mode decomposition and spectral analysis: a comparative study

Shankho Niyogi and Animesh Mandal

Shallow subsurface structural features and their correlation with mineral occurrence zones over Singhbhum-Orissa Craton, India using high resolution EGM2008 gravity data

Vipin Kumar Pathak and S.K. Pal

Water Resources and Water Policies (WRWP-2)

120 minutes (2(20)+ 7(12m))

Chair: Prof. P. K. Sikdar & Dr. V. Rao

Venue: Applied Physics Hall

Invited Talks

P. K. Sikdar

Effect of Urbanization on Groundwater Resource

Girish Gopinath and Anusha C K

Application of Geospatial Technology for Drought Risk Mapping in Northern Kerala, India, Using Free Data and Foss

Presentations

Hydrological inferences from watershed analysis for water resource management

Anamika Shalini Tirkey, Mili Ghosh, A.C. Pandey and Shashank Shekhar

Delineation of Groundwater Bearing Fracture Zones Using VLF-EM Method in Parts of Jodhpur City Rajasthan, India

Birendra Pratap and G.S. Yadav

Geochemical signature to identify the foot hill recharge and its extent - a case study near Tirunelveli, Tamilnadu

Banaja Rani Panda, Chidambaram S, and Ganesh N

Discernment of Conduits of Groundwater Flow and its Patterns in the Aayankulam Village, Rathapuram Taluk, Tirunelveli District, Tamilnadu

D. David Raju, V. Rathakrishnan, Antony Raj, T. Jeyavel Rajakumar

Full waveform inversion of 2D resistivity and IP data for groundwater exploration in granite aquifers: Implication for complex tectonical setting

Dewashish Kumar, R. Rangarajan and Setbandhu Mondal

Impact of urbanization on groundwater quality in coastal aquifer of Chennai, Southern India

Dhanamadhavan S and L. Elango

Emergency mitigation of drinking water scarce by identification of deeper aquifers through geophysical surveys and followed with drilling in water scarcity villages of Latur district, Maharashtra

M. Durga Prasad, V. Chandrasekhar, V. Satish Kumar, Pratim Partho, Ch. Vinod, Taufique Warsi, L. Surinaidu, M.J. Nandan, V. K. Somvanshi, N.C. Mondal, Sahebrao Sonkamble, Subash Chandra, Shakeel Ahmed, D. Muralidharan and R. Rangarajan

November 10 (Thursday), 2016

9:00-10:30 Hrs - **Technical Session - VI**

Parallel Sessions

Solid Earth Geosciences (SEG-3)

90 minutes (1(20m)+ 6(12m))

Chair: Prof. S.P. Sharma & Sri P.K. Pal

Venue: Applied Physics Hall

Invited Talk

S.P. Sharma

Very Low Frequency electromagnetic measurements: Theory and advancement in interpretation techniques

Presentations

Evidences for coupled ocean atmospheric influence on earthquakes

R. Rajesh and R.K. Tiwari

Shallow structure of Lonar Crater and its surroundings from modeling of high frequency receiver function

Ritima Das and S.S. Rai

Seismicity and minimum 1-D velocity structure of Delhi and its surrounding region.

Rabin Das and S. Mukhopadhyay

GPU Implementation for High Speed Elastic Forward Modelling

Sagar Singh and Kalachand Sain

Multifractal Spectrum D_q Analysis of 2001 Mw7.7 Bhuj Earthquake Sequence in Gujarat, Western India

Sandeep K. Aggarwal, Denisse Pasén and Prosata K. Khan

Antarctic Plate Motion: Constraints from GPS Measurements

Sapna Ghavri and V. K. Gahalaut

Geosciences Education –Experiences and Future Perspective (GEEFP-2)

90 minutes 3(20m)

Chair: Prof. K.V. Subba Rao & Prof. V. P. Mishra

Venue: GJLT

Invited Talks

V. P. Mishra

Geoscience Education in India : Framework and structure in a digital age

Dilip Saha

Course curriculum in geology and quality of geoscience education in India

K.V. Subba Rao

Natural History Parks and Museums (NHPM): A modality towards integrated geosciences education

Water Resources and Water Policies (WRWP-3)

90 minutes (2(20m)+ 4(12m))

Chair: Prof. L. Elango & Dr. Satyaji Rao

Venue: Management Studies Hall

Invited Talks

Y.R. Satyaji Rao, Hussain Babu, D and R. Venkata Ramana

Estimation of Sedimentation rate into Yerrakalva Reservoir using RS and GIS

G. Gowrisankar, G.Jagadeshan, and L.Elango

Dug well recharge for safe water supply in fluoride rich groundwater regions

Presentations

Rock water Interaction and suitability of groundwater for various uses in a part of Dharmapuri District, Tamil Nadu, India
Gowrisankar. G and Elango. L

VES and electrical resistivity scanning for groundwater assessment in part of Chittar sub basin of Tambaraparani basin, Tirunelveli District, Tamil Nadu, India
Jeyavel Raja Kumar. T, Vasanth Raja. S, Dushiyanthan. C, Thirunelakandan. B, Suresh. R, Senthilkumar. M and Karthikeyan. K

Lineament analysis of Shastri River Basin from West Coast, Maharashtra
Joshi S.B. , Sawant P.T. and Vadagbalkar S.K.

Geochemical characterization of groundwater quality around tannery industries in Ambur region, Tamil Nadu, India.
G. Kanagaraj and L. Elango

11:00-13:00 Hrs -

Technical Session -VII

Parallel Sessions

Solid Earth Geosciences (SEG-4)

120 minutes 1(20m)+ 8(12m))

Chair: Dr. O.P. Pandey & Prof. S. Mukherjee

Venue: GJLT

Invited Talk

B. V. S. Murty

Tracing Coal-Seam in Koyagudem Block, Singareni Coal Fields, through Gravity and other Geophysical Methods

Presentations

Spatial variability of aquifer parameters from geo-electrical and hydro-geochemical data: Application of geo-statistics and soft computing method
Saumen Maiti, Anasuya Das, Suneetha Naidu and Gautam Gupta

Characterization of Magnetic-Mineralogy and the Interpretation of the Magnetic Fabrics along the Galudih-Banduan Section of the Dalma Formation, Singhbhum District, Jharkhand, India
Saurodeep Chatterjee and Supriya Mondal

Late Tertiary Deformation along the Myanmar-Andaman-Sumatra Margin
SK Shamim and Prosanta Kumar Khan

3D Mapping of Tectonic Pathways And Aquifer System In Flood Basalts Using AEM
Subash Chandra, Sahebrao Sonkamble, Joy Choudhary, Shakeel Ahmed and Saurabh K. Verma

Singular spectrum analysis of Radon time series at Kachchh, Gujarat, India: Removal of diurnal and semidiurnal variations
Sushant Kumar Sahoo, K.M. Rao, C. P. Simha and M.S.B.S. Prasad

Assessment of radiation exposure levels around a Uranium deposit, Gogi region, Karnataka, India
M. Thirumurugan, S. Manoj and L. Elango

ERT and GPR techniques to decipher depth to the fresh hard granite stratum in a temple complex area, Hyderabad
V. Satish Kumar, Ratnakar Dhakate, L. Surinaidu, M.J. Nandan and R. Rangarajan

Finite Difference Simulation of Effect of Depth of Basement Topography on Ground Motion Characteristics
Vinay Kumar and J. P. Narayan

Water Resources and Water Policies (WRWP-4)

120 minutes (2(20)+7(12m))

Chair: Dr. S. Ahmed & Dr. A. Majumder

Venue: Applied Physics Hall

Invited Talks

Shakeel Ahmed

Sustainability of Groundwater System can be ensured through joint efforts of scientific approach and people's participation

Presentations

Exposure assessment of Uranium intake through Groundwater from the Uranium Mineralized Gogi Region, Karnataka, India
S Manoj, M Thirumurugan and L Elango

Law and policies for water management in Chennai, Tamil Nadu
P. Sakthivel, Shloka Narayanan, and S. Parimala Renganayaki

Hydrochemistry and Evaluation of Groundwater Suitability for Irrigation and Drinking Purposes in the Chinnar River Sub Basin, Perambalur District, Tamilnadu State, India
R. Prabhakaran, R. Suresh, T. Jeyavel Rajakumar and R. Ravi

Moisture influx rate over the reclaimed alkali soils of CSSRI campus, Karnal, Haryana
R. Rangarajan

Water Resources Sustainability
S.K. Vadagbalkar

Study of Environmental Geo-Science for Sustainable Development
S.K. Vadagbalkar and S.B. Joshi

Hydro-geophysical characterization of natural wetlands: Implications for enhanced wastewater treatment
Sonkamble, S., Wajihuddin, Md., and Ahmed, S.

Geoscience Education –Experiences and Future Perspective (GEEFP-3)

60 minutes 3X20

Chair: Prof. D.M. Banerjee & Prof. M.P. Singh

Venue: Management Studies Hall

Invited Talks

B. B. Bhattacharya

Geoscience Education – Experiences and Future Perspective

M.V. Ramanamurthy

Engineering Geosciences Education and Career Progression

Bhabesh C. Sarkar

Perspectives of Geosciences Education

November 10 (Thursday), 2016

14:00-15:30 Hrs -

Technical Session - VIII

Parallel Sessions

Young Researcher Program (YRP)

90 minutes (7x12m)

Chair: Dr. R.K. Tiwari & Dr. Niloy Khare

Venue: Applied Physics Hall

Modelling of discontinuous signal via wavelet transform supplemented with Bayesian neural networks: An example from KTB bore hole
Amrita Singh and Saumen Maiti

Time-Lag of Earthquake Energy Release for the Three Regions Of Himalaya
Anjali Sharma and Dinesh Kumar

Magnetic interpretation of the Central Indian Ocean deformation zone
Divya Bharathi. R, M. Subrahmanyam, D.S. Ramesh, S. Rajendran

Lithospheric Structure Beneath Northwestern Deccan Volcanic Province from Rayleigh Wave Group Velocity Tomography
Jyoti Sharma, M. Ravi Kumar, Ketan Singha Roy and P.N. S. Roy

A Numerical prediction of fundamental frequency of 2d basins with small shape-ratio
Neeraj Kumar and JP Narayan

Basement and Basin configuration beneath the Deccan Traps of Eastern Maharashtra, India from Gravity anomalies
K.V. Swamy, Neetha Raj and S.K.G. Krishnamacharyulu

Application of Electrical Resistivity Tomography and Seismic Refraction tomography for exploration and identifying nature of massive and fractured Basalts over Birbhum district, West Bengal India
Piyush Priyam, S.K. Pal, Vipin K. Pathak, Rajwardhan and Saurabh

Marine Geosciences (MGS-2)

90 minutes (1(20)+ 5(12m))

Chair: Prof. P.R. Mohanty & Dr. M. Ismaiel

Venue: GJLT

Invited Talk

Ismaiel, M

Unraveling the history of Plate Tectonics in the Bay of Bengal and Bangladesh

Presentations

Assessments of gas hydrate in the Mahanadi basin from seismic and log data
Uma Shankar

Polygonal faults in Mahanadi offshore basin: Seismic evidence
N. Satyavani and Kalachand Sain

Downcore distribution of Diatoms in Pulicat Lagoon, Tamil Nadu, Southeast Coast of India: Implications on Paleoenvironment
Shubhangi T. Fulmali, D. Sunitha, S.M. Hussain, and Sumedh K. Humane

Pore Pressure Mapping from Acoustic Impedance in Krishna-Godavari basin, India
Baisakhi Das and Rima Chatterjee

Distribution of Ostracoda and Foraminifera in the Beach Sands of La Paz, Baja California (South), Mexico
Sunitha. D, S.M. Hussain, And M.P. Jonathan

Chair: Prof. Mohan Kumar & Prof. P. R. Prasad Venue: Management Studies Hall

Invited Talk

Mohan Kumar

Smart and sustainable water sensitive cities

Presentations

Geophysical investigation for groundwater exploration and recharge in an overexploited granite terrain in Medchal mandal, Rangareddy district, Telangana

Taufique Warsi, V. Satish Kumar, Ch. Vinod, D. Muralidharan and R. Rangarajan

Geochemical and Isotopic behavior in groundwater of KT (Cretaceous-Tertiary) boundary of Tamilnadu

Thivya C, Chidambaram S, Devaraj N, Thilagavathi R and Vasudevan S

Groundwater quality and its hydrogeochemistry in parts of Cauvery Delta region, Tamil Nadu

Manivannan V, Vetrimurugan E and Elango L

Groundwater Depletion and Groundwater Balance Studies of Kandivalasa River Sub Basin, Vizianagaram District, Andhra Pradesh, India

Y. Siva Prasad and B. Venkateswara Rao

Analysing the Effect of the Sensitivity of a Digital Elevation Model (DEM) on the River Morphometry Parameters

Yashee Mathur
