

NOTES

NATIONAL SEMINAR ON COASTAL AND OFF-SHORE SEDIMENTARY BASINS AND THEIR RESOURCE POTENTIAL AND XIX CONVENTION OF INDIAN ASSOCIATION OF SEDIMENTOLOGISTS

The above National Seminar and XIX Convention of Indian Association of Sedimentologists was organized by the Geology Department of Andhra University at Visakhapatnam from 16-18 December 2002. The Inaugural function was held in T.L.N. Sabha Hall of Andhra University. Dr. Ravi Bastia, Vice-President (Exploration), Reliance Industries Ltd. delivered the inaugural lecture on "East Coast Basins of India: Potential sub-sea Treasures for Hydrocarbon Resources". This was followed by a special lecture by Prof. S.M. Casshyap on "Sedimentary Basins of India through Time and Space". Proceedings of the ten technical sessions conducted are summarised below.

Session-I was devoted to offshore sedimentary basins: In this session six papers including one poster were presented that included two presentations by Dr. G.N. Rao (ONGC),

one on the Hydrocarbon Exploration in Bengal Basin and the other on Mahanadi Basin; by Dr. S.M. Ahmed (NGRI) on Influence of tectonic and climatic changes on the Sr isotopic composition of seawater during Miocene; Smt. V.M. Padmakumari (NGRI) presented a paper on the Isotope geochemical studies in clastic sediments at ODP site 758A in the Bengal Fan.

Session-II was devoted to coastal sedimentary basins: In this session twelve papers including three posters were presented that included a keynote paper by Prof. B. K. Sahu (IIT, Mumbai) on Methodologies for reservoir characterisation and modelling. Dr. Avinash Chandra, Director General, Hydrocarbons presented a paper on 'Our Amazing new hydrocarbons discoveries in India unexpected - What next?' Dr. V. Sharma, Dr. Y. B. Sinha,



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Director (Exploration) ONGC, presented a paper on 'Offshore sedimentary basins and their hydrocarbon prospects and future trends with special reference to East Coast of India. Dr. T. Mitra, Prof. A. Narayana Swamy (Andhra University) presented a paper on digital image processing of remotely sensed data to delineate suspended sediment/particulate matter concentration in open water bodies; Mr. R. Raja (IIT, Mumbai) talked on sedimentological study of recent carbonates from the lagoons of Lakshadweep Islands; Dr. A.Y. Rao (AMD, Visakhapatnam) elaborated on mineralogical and textural variations of heavy minerals in different geomorphic domains of Srikurmam coast; Dr. S.R. Singarasubramanian (Annamalai University) presented a paper on the quality variation of ground water in coastal aquifers in Cuddalore, Tamil Nadu; Prof. P. Seralathan (Cochin University) presented a paper on textural characteristics and origin of inland sediments of Kavaratti Coral Island of Lakshadweep.

Session-III was devoted to coastal and offshore geomorphology: In this session eight papers were presented which included a keynote lecture by Dr. V. Singaraju (GSI, Hyderabad) on the evolution of Kolleru Lake in A.P. and its Ecosystem; on coastal processes along the Indian coast - Synergistic use of IRS OCM, LISS-III & PAN data by Dr. A.S. Rajawat (SAC, Ahmedabad); on geo-environmental aspects of river basins by Dr. K.S.R. Murthy (NIO, Visakhapatnam); on micro-time scale variation in morphology of Binge Beach, West Coast of India by Dr. P.T. Hanamgond (G.S. Sc. College, Belgaum); on depositional sequence of point bars of Burhidihing River, Assam by Dr. P. Phukon (Guwahati University, Guwhati).

Session-IV was devoted to coastal geotechnics and offshore engineering: In this session seven papers were presented that included a keynote lecture by Prof. A. Sridharan (IISc, Bangalore) on Engineering Behaviour of Marine Sediments; by Dr. M.A. Atmanand (NIOT, Chennai) on Deep Sea Mining; by Dr. Syed Ahmad AH (AMU, Aligarh) on digital elevation model of drainage morphometry in Zagros Belt, Iran; by Dr. M. Rama Muithy on Geotechnical Properties of Kakinada Bay Sediments, and by Sri G.T. Vijaya kumar on coastal dynamics related to construction of coastal engineering structures.

Session-V was devoted to coastal and marine area management: In this session eight papers including two posters were presented that included one by Dr. M.V. Ramana Murthy (ICMAM, Chennai) on Integrated Coastal and marine area management - An Indian

perspective; by Dr. K.S. Jayappa (Mangalore University, Mangalore) on issues and management of Dakshina Kannada coastal zone, Karnataka; by Sri H. Kariyanna (GSI, Bangalore) on Geoenvironmental Studies on Coastal Zone Management of Goa; by Dr. J.V.M. Naidu (Cyclone Warning Centre, Visakhapatnam) on the controls of coastal and top soil erosion during cyclones. Poster presentations included one by Drs.D. Rajasekhara Reddy and Vemuri Malathi (Andhra University) on Sea Level Rise: Possible Implications on Coastal Andhra Pradesh and the other by Prof. G. Krishna Rao et al. (Andhra University) on hydrogeological conditions in the coastal aquifers of WestGodavari District, A.P. and the impact of aquaculture.

Session-VI was devoted to Archaean and Proterozoic basins: In this session ten papers including one poster were presented that included a keynote lecture by M. Raza (AMU, Aligarh) on geochemical characterization of early to middle Proterozoic pelites from Hindoli, Bay an a and Vindhyan Basins, Eastern Rajasthan: implication for provenance, palaeoclimate and tectonic setting; Dr. J. Madhavaraju (University of Madras, Chennai) on microtextures of quartz grains from Kudankulam Formation, Tamil Nadu: implications on provenance and depositional history; Sri K. Vijaykumar (AMD, Jamshedpur) on tectonised borders of the Proterozoic Chattisgarh Basin in parts of Orissa and prospects for uranium resources; Sri T.K. Rau (GSI, Hyderabad) on Panna Diamond Belt; Sri T. Srinivasa Rao (GSI, Hyderabad) on the status of stratigraphic nomenclature of the Proterozoic sedimentary rocks of Godavari valley; Dr. D.V. Subba Rao (NGR1, Hyderabad) on geology and geochemistry of the Late-Archaean meta sediments from Vibhu'gudda region, Sandur schist belt, Karnataka: implications for provenance and depositional environments.

Session - VII was devoted to Palaeogene and Mesozoic basins including Gondwanas: In this session seven papers were presented which included a keynote lecture by Prof. T. Ramamohana Rao (Andhra University) on a comparative study of the REE fractionation patterns in the rocks of the Gondwana group of southern Godavari valley; Dr. Abdullah Khan (AMU, Aligarh) on lithofacies, petrofacies, tectonic setting and provenance of Pachmarhi, Denwa and Bagra Formations (Mesozoic Gondwana), Satpura Basin, Central India; Dr. K. Mahender (Goa University, Goa) on petrography, diagenesis and depositional environments of Early Cretaceous Bhuj sandstones of Kachchh Mainland; Sri A.K. Paul (Utkal University, Bhubaneswar) on textural analysis of glaciogenic

diamictite of a Drumlin field, East of village Durgapur, District Angul.

Session-VIII was devoted to Cenozoic and Quaternary basins: In this session four papers were presented that included one by Adal Singh (Directorate of Geology & Mining, Aligarh) on alluvial stratigraphy and sedimentation in Southwestern Gangetic Basin with special reference to base level (sea level) changes and palaeo slope reversal; Sri S.K. Barman (Directorate of Geology & Mining, Assam) on depositional behaviour of limestone deposits in Assam; Dr. P. Ramesh (ONGC, Dehra Dun) on Assam foreland basin revisited: stratigraphy and depositional environments and by Md. Sharif Hussain Khan (IIT, Roorkee) on landscape evolution of a part of fold belt along eastern coast of Bangladesh.

Session-IX was devoted to the Himalayas: In this session ten papers were presented that included a keynote lecture by Dr. V. Raiverman (Retd. ONGC, Kolkata) on unconformities in the Himalayan foreland basin; by Dr. T.N. Bagati (WIHG, Dehra Dun) on the Mid-Oceanic ridge sediments in eastern Ladakh; by Dr. Rohtash Kumar (WIHG, Dehra Dun) on evolution of drainage network in the Himalayan foreland basin India: A case study of Kangra sub-basin; by Dr. Sumit K. Ghosh (WIHG, Dehra Dun) on the Chail Thrust activity and the Siwalik sedimentation; by Prof. C. Prasad (HNB Garhwal University, Srinagar) on signatures of late Proterozoic volcanism from Blaini slates; by Prof. S. Ramasamy (University of Madras, Chennai) on the deep water facies around Aizwal, Mizoram and their implication on plate tectonics and sedimentation history.

Session-X was devoted to Young Sedimentologist Award presentation: In this session two papers were presented that included one by Ms. C. R. Nayak (Utkal University, Bhubaneswar) on significance of heavy minerals association in sandstone of Kamphthi Formation in Angul District, Orissa and the other by Mr. Diwakar Mishra

(Banaras Hindu University, Varanasi) on lithofacies and depositional environment of Golden Oolite, Kachchh Mainland, Gujarat.

To coincide with the convention, Geological Survey of India organised an exhibition of their publications including recently brought out geological maps and special volumes.

The valedictory function was held on 17th December evening. Prof. S.M. Casshyap summed up the proceedings and invited full papers for publication in the Journal of Indian Association of Sedimentologists. Dr. B.L. Narasayya, Director, Geological Survey of India, East Coast Operations - II, Marine Wing, delivered the valedictory address. It was felt that in a session devoted to Young Sedimentologists at the National Seminars, efforts are made to attract presentation of papers of higher standard. With this aim, cash prizes of Rs. 500/- each were given to the two participants (Ms. C. Rekha Nayak and Mr. Diwakar Mishra) by Dr. D. Rajasekhara Reddy, Convener of the Seminar, as a token of encouragement. The general body of the Indian Association of Sedimentologists was held on 17th evening with Prof. S.M. Casshyap in the chair. The office bearers including Prof. V. Jhingran (Vice-President), Prof. B.D. Bharadwaj (General Secretary), Dr. T.N. Bagati (Joint Secretary), Prof. M. Raza (Treasurer) attended. The XX Convention of IAS will be held in 2003 in HNB Garhwal University in Srinagar (Uttaranchal).

A day's field excursion of geological interest and sightseeing in and around Visakhapatnam was conducted for the delegates on 18th December. This included the beach and the bad lands (red sediments) of Bhimunipatnam and the coastal geomorphology of Visakhapatnam, visits to Buddhist archaeological sites at Totlakonda and finally the 10th century Narasimha Swamy temple at Simhachalam.

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CORRIGENDUM

In the Discussion on the Malanjkhanda Copper Deposit (Jour. Geol. Soc. India, v.60, p.710) following correction is called for in column 1, line 41: Substitute '300 million tonnes' in the place of '20 million tonnes'.