

sections including Deep Sea Drilling Projects were presented. Some new approaches such as genetic (DNA) studies of foraminifera, sequence stratigraphy and palynozonations were interesting. The colloquium also was benefited by following nine keynote addresses: (1) Prof. A.K. Guha: Cretaceous Bryozoa from Peninsular India; (2) Prof. P.K. Saraswati: Progress in morphometrics of foraminifera; (3) Dr. A. Govindan: Stratigraphic record of selected larger benthic foraminifera in Indian Basins: a tie up with standard planktonic zones and "latter stages"; (4) Dr. N.P. Singh: Contribution of biostratigraphic studies in stratigraphic evaluation of west Rajasthan Shelf; (5) Dr. Anil Bhandari: High resolution ostracod biostratigraphy of the Tertiary beds of west coast of India; (6) Dr. Alok Dave: Foraminiferal biostratigraphy based correlation, palaeobathymetry and palaeoslope model of the Cenozoic of Western Offshore; (7) Prof. Manju Banerjee: Palyno-morphs including acritarchs as effective tools in the identification and correlation of major-minor climatic-

ecological changes including phases of marine influence in the Lower Gondwana basins of Indian Subcontinent; (8) Dr. Samir Sarkar: Tertiary vegetation and palaeoclimate of NW Himalayan region, India: palynofossil evidence and (9) Dr. R.J. Azmi: Some recent developments in the terminal Proterozoic - Early Palaeozoic micropalaeontology and stratigraphy of the Himalaya and the Indian Peninsula: Palaeogeographic and tectonic implications.

The colloquium concluded with well thought out recommendations regarding the future course of micropalaeontological research and a plea for better interaction between academia and industries. It was unanimously resolved that the venue for the next Indian Colloquium on Micropalaeontology and Stratigraphy will be at the Department of Geology, Banaras Hindu University, Varanasi.

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REPORT ON THE UNESCO - IHP WORKSHOP ON MODELLING IN HYDROGEOLOGY

A workshop on Modelling in Hydrogeology was organised at the Centre for Geoscience and Engineering, Anna University, Chennai during 3-7 December, 2001, with the support of the UNESCO International Hydrogeological Programme (IHP). The workshop was inaugurated by Shri C.S. Ramasesha, Regional Director, Southern Region, Central Ground Water Board, on 3rd December 2001. The keynote address was delivered by Dr. S. Sakthivadivel, International Water Management Institute, Sri Lanka. He emphasised the need for the practising scientists and engineers to start using the modelling techniques in groundwater management. About 50 hydrologists, hydrogeologists, groundwater resources planners, academicians and researchers from India, Australia, Argentina, Germany, Sri Lanka and Bangladesh participated in the workshop. The participants from different organisations in India include Bhabha Atomic Research Centre, National Geophysical Research Institute, National Institute of Hydrology, Central Ground Water Board, Tamil Nadu Water Supply and Drainage Board, Public Works Departments, Indian Institute of Technologies, Indian Institute of Science, Physical Research Laboratory, International Water Management Institute, Central Mining Research Institute, National Environmental Research Institute, Centre for Earth Science Studies and other universities.

Eminent scientists and engineers delivered invited

lectures on the following themes in the technical sessions: (1) Modelling as a tool for groundwater management: Data requirements and approach; (2) Modelling of hard rock aquifer system; (3) Regional groundwater modelling; (4) Groundwater flow and solute transport modelling; (5) Solute transport modelling in unsaturated zone and (6) Modelling hydrocarbon contamination

During the concluding sessions on 5th, 6th and 7th, other delegates were given an opportunity to present their work (in about 20 minutes) in hydrogeology. They all had an excellent opportunity to get the necessary guidance and suggestions from the experts present. A session was devoted on 6th December to the demonstration of the Groundwater Modelling System (GMS) available at the Centre for Geosciences and Engineering, Anna University. As part of the workshop, a field visit to the sandy aquifer, south of Chennai was arranged on the afternoon of 5th December.

An UNESCO-IHP publication on Modelling in Hydrogeology was brought out prior to the workshop and it was released during the inaugural function. The contributions included in this book are from the invited speakers, who are all experts and have been working in this area of research for more than a decade.

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