Mangalore University

REPORT ON NATIONAL SEMINAR HELD DURING 22-25 FEBRUARY 2023

The National Seminar on "Recent Advancements in Marine Geology and Geoinformatics" was conducted for two days on 23rd and 24th February 2023 and Alumni Reunion of the department was held on 25th February 2023.

The seminar commenced with an opening address by Prof. K. S. Jayappa, Convener of the Program & Chairman, Department of Marine Geology, Mangalore University, who welcomed the Guests: Prof. P. Subrahmanya Yadapadithaya, Hon'ble Vice-Chancellor, Mangalore University, Shri Basab Mukhopadhyay, Deputy Director General & HOD, Geological Survey of India, Marine and Coastal Survey Division, Pandeshwar, Mangaluru, Prof. K.R. Subrahmanya,

Formerly Professor, Department of Department of Marine Geology, Mangalore University, all the participants, students and faculty members.

In the seminar, ten invited Lectures were delivered by the resource persons and twenty Research papers were presented related to Non-living Resources, Marine Geology, Geoinformatics, Oceanography, Atmospheric Science, Paleo-climate, Remote Sensing and GIS. The details of the Lectures and the research papers presented in the seminar are as given below:

List of the Invited Lectures

Sl. No.	**Name and Address**	**Topic**
1.	Prof. K.R. Subrahmanya Formerly Professor of Marine Geology, Mangalore University	Evolution of West Coast of India
2.	Dr. K. K. Ramachandran Formerly Scientist, National Centre for Earth Science Studies, Thiruvananthapuram	Geoinformatics: An Indispensable Tool for Preparation of Coastal Zone Management Plan
3.	Dr. Sandeep, K. Central University of Kerala	Holocene Climate Variability in Southern India

4.	Dr. Radhakrishnan K. Professor, Dept. of Civil Engineering, N.M.A.M. Institute of Technology, NITTE	1. Geoinformatics for Sustainable Water Resource Development and Management. 2. Geo Diagnosis for Engineering Marvels and Beyond
5.	Dr. Chinni K. Nagakumar, Scientist, CWRDM	Geospatial Technologies for Mapping and Understanding the Evolution of Landforms and Changing Land Use Towards Disaster Risk Management
6.	Dr. Priju, C.P., Sr. Scientist, Hydrology & Climatology Research Group, CWRDM	Coastal sedimentary processes: Special emphasis on Tropical Environment
7.	Prof. H Gangadhara Bhat Former professor, Dept. of Marine Geology	Remote Sensing Technology and its Applications
8.	Shri. Lingraju Dy. Director, MGD, Mangalore	The mining Minerals in Dakshina Kannada and governing Act & Rules
9.	Dr. Devaraj Reddy, Geologist & Rainwater Harvesting Expert, Chitradurga	Rainwater Harvesting and Groundwater Rejuvenation with some case studies.
10.	Mr. Nagendran, Director, GSI, Mangalore	Capabilities and Activities of GSI in Exploring offshore Domain..

List of the Research Papers Presented

Sl. No.	**Name**	**Topic**
1.	Dr. Sijin Kumar Central University of Kerala	Are aragonitic pteropod fossils a proxy for paleo-ocean acidification?
2.	Prajna, Govt. Engg. College, Kushalnagara	Flood risk zone and climate complexity mapping using RS and GIS for Kundapura taluk, Udupi district, India.
3.	Worku Habtu Research Scholar, Dept. of Marine Geology, Mangalore University	Soil erosion extent mapping using RUSLE model integrated with GIS and RS: The case of Megech watershed, northwest Ethiopia.
4.	Gebremedhin, Research Scholar, Dept. of Marine Geology, Mangalore University	GIS-based Hypsometric Analysis for Soil Erosion status in the Geba River, Northern Ethiopia.
5.	Dr. Somesha G. S. Guest Lecturer, Dept. of Applied Geology, Kuvempu University, Shivamogga	Fluid inclusion studies of the pegmatites from the Holenarasipura schist belt and Karighatta schist belt, Karnataka, India.
6.	Kishor Kumar A. Research Scholar, Department of Applied Geology, Kuvempu University, Shivamogga	LU/LC transition and its influenceon Urban Climate Changes with respect to LST, NDVI, and NDBI- A case study of Tumkur city in Karnataka, Using Geospatial Techniques.
7.	Ramya D., Guest Faculty, Dept. of Applied Geology, Kuvempu University, Shivamogga	Assessment of Soil Erosion by RUSLE Model Using Geospatial Techniques, A case study of Vedavathi River Basin.
8.	Harishnaika N. Research Scholar, Dept. of Applied Geolog, Kuvempu University, Shivamogga	Spatial-temporal assessing the impact of climate changes on long term dry and wet periods in semi-arid regions of Karnataka state, India.
9.	Mr. Nagaraja V. Dept. of PG Studies and Research in Applied Geology, Kuvempu University	Stone Quarrying: Key Challenges and Issues in the Present Scenario in and around Ramanagara District, Karnataka State.
10.	Abhishek R, Research Scholar, Dept. of Marine Geology, Mangalore University	Analysis of Land use Land cover changes and its influence on Land Surface Temperature of Mangalore City –A study based on RS and GIS Techniques.
11.	Amal George, Research Scholar, Department of Marine Geology, and Geophysics, School of Marine Sciences,	Unveiling a Decade of Pre- and Post-Volcanic Changes in the Remote South Pacific Island of Hunga Tonga using

	Cochin University	Satellite Data.
12.	Dr. Praveen G. Deshbhandari Office of the Regional Director (Environment), Karwar, Karnataka, India	Archaeological Studies of Coastal Forts in Uttara Kannada District using Geospatial Technology.
13.	Niveditha B., Guest Lecturer, Dept. of Applied Geology, Kuvempu University, Shivamogga	Sustainable Land and Water Resources Development Plan for Bommagatta Subwatershed in Sandur Taluk, Bellary District, Karnataka State - A Study Using Geospatial Techniques.
14.	Preksha, V., Guest Lecturer, Dept. of Applied Geology, Kuvempu University, Shivamogga	Urban growth trend analysis and infrastructure mapping using geospatial techniques – a study of Channagiri town in Karnataka.
15.	R. Rajesha, Assistant Professor, Dept. of Civil Engg, Vivekananda College of Engg & Technology, Puttur	Experimental Investigation on Lateritic Soil as Compressed Cement Stabilized Earth Block for Low-Cost Housing Construction.
16.	Shilpa N., Guest Lecturer, Dept. of Applied Geology, Kuvempu University, Shivamogga	Precipitation Trend Analysis using Statistical Techniques, A Case Study of Karnataka State.
17.	Suraj B. M., Consultant-NRDMS, Karnataka State Council for Science and Technology, IISc Campus, Malleshwaram, Bangalore	Geological Analysis of Joshimath Disaster Using GIS Techniques.
18.	Sindhu H. N. Research Scholar, Department of Applied Geology, Kuvempu University, Shivamogga	Using Remote Sensing and GIS Application identification of Mineralization in part of Sargur Schist belt, Holenarasipura, Hassan District, Karnataka.
19.	Smitha T. L., Guest Lecturer, Dept. of Applied Geology, Kuvempu University, Shivamogga.	Morphometric analysis for prioritizing sub watersheds of Dandavathi River Basin, Karnataka State, India, using geospatial techniques.
20.	Aarif Ahmed, department of marine Geology, Mangalore University	Spatio-temporal Distribution of Atmospheric Aerosols Affecting Cloud Properties Around Mangaluru, West Coast of India.

On the third day (25th February 2023) Alumni Reunion, all the members expressed their views about the Department, the University and about the organizations in which they are working. At the end of the meeting a New Executive Committee was unanimously selected. The details of the new committee are as follows:

1) Hon. Presidents – Prof. K. R. Subrahmanya
   Prof. K. S. Jayappa
2) President – Prof. B. R. Manjunatha
3) Secretary – Dr. R. Nirmala
4) Treasurer – Dr. K. Priya
5) Members:
   i. Dr. Anish Warrier
   ii. Mr. Suraj B. M.
   iii. Mr. Ravi Kumar J. S.
   iv. Dr. Jithin Jose
   v. Ms. Sandhya Kumari B. N.
   vi. Dr. Rajesh Reghunath
   vii. Dr. Radhakrishnan K.
   viii. Mr. Nagalingam T. S.