Report

NATIONAL CONFERENCE ON ADVANCES AND MULTIDISCIPLINARY APPROACH IN GEOSCIENCES (AMAG-2024)

17th February 2024

THE National Conference on Advances and Multidisciplinary Approach in Geosciences (AMAG-2024) held at the campus of Tosnniwal Arts, Commerce and Science College, Sengaon, Maharashtra, India was a significant gathering in the field of geosciences. It was organized in collaboration with Swami Ramanand Teerth Marathwada University, Nanded. The Conference covered a wide range of sub-themes, reflecting the multidisciplinary nature of contemporary geoscience research topics discussed during the event included earth sciences development and sustainability, climate change, mitigation and adaptation, natural hazards resilience in sustainable development, earth resources: management and conservation, pollution and energy and geospatial technologies, AI and ML applications in geosciences. By bringing together experts from various fields within geosciences, the conference aimed to provide a platform for sharing knowledge and insights into the latest developments in the field. Such gatherings are crucial for fostering collaboration, exchanging ideas, and advancing research efforts in geosciences, ultimately contributing to our understanding of the Earth and its dynamic processes.

The Inaugural Ceremony began with the welcoming of Chief Inaugurator Dr. Shailendra Deolankar (Director, Higher Education, Maharashtra), Dr. D.M. Netke (Director, Board of Examinations and Evaluation of SRTM University, Nanded) and other Special Guests manifested with bouquets and mementos. The Inaugural Session was followed by the lightening of the lamp and release of the Abstract Volume by Prof. D.B. Panaskar (Professor, SRTM University, Nanded), Prof. S.N. Patil (Professor, KBC, North Maharashtra University, Jalgaon), Prof. Shaikh Md. Babar (Principal, Dnyanopasak College, Parbhani) and other dignitaries. This marked the formal beginning of the conference proceedings, setting the stage for insightful discussions and exchanges among participants.

During the First Session, Dr. U.L. Sahu gave brief convener's remarks on AMAG- 2024. The First Key-note Address was delivered by Prof. S.N. Patil on 'Groundwater and

Group photo of the participants at Toshniwal Arts, Commerce and Science College, Sengaon (M.S.) India

Human: a case study'. His presentation was centered around a case study of Maharashtra, which he used to highlight the challenges and opportunities associated with the management of groundwater resources in the region. Prof. Patil's talk was informative and insightful, and it provided attendees with a deeper understanding of the complex relationship between groundwater and human life. The Second Key-note Address was delivered by Prof. Shaikh Md. Babar on 'Recent advances in Quaternary geology and geomorphic techniques' which highlighted the latest advancements in the field. He explained how these techniques have been revolutionizing the field, allowing researchers to gain a deeper understanding of the Earth's history and how it has changed over time.

The Conference was organized into three technical sessions, each with a different theme. The First Technical Session of the Conference was focused on 'Earth Sciences Development and Climate Change Mitigation and Adaptation Natural Hazards.' The session aimed to explore the relationship between earth sciences, climate change, and natural hazards. The session was chaired by Dr. R.K. Narkhede, Professor of Environmental Science and co-chaired by Dr. H.S. Patode, Associate Professor of Geology. The Second Technical Session of the Conference was dedicated to 'Earth Resources: Management and Conservation Sustainable Development.' The session aimed to discuss the sustainable management and conservation of earth resources. The session was chaired by Dr. D.B. Panasakar, a Senior Professor of Geology, and co-chaired by Dr. R.K. Mawale, Sant Gadgebaba Amravati University, Amravati. The Third Technical Session of the Conference focused on 'Pollution and Geospatial Technologies, AI, and ML Applications in Geosciences.' The session aimed to explore how geospatial technologies, artificial intelligence, and machine learning can be applied to geosciences to combat pollution. The session was chaired by Dr. V.M. Wagh, an Associate Professor of Environmental Science, and co-chaired by Dr. S.S. Deshmukh from Sant Gadgebaba Amravati University, Amravati. More than 50 participants who participated from all over India at the conference and presented their research. The Valedictory Session of the Conference concluded with feedback given by participants, with stimulating suggestions and recommendations. Dr. S.G. Talnikar (College Principal) and Mr. Brijgopal Toshniwal (College Chairman) owed the success of the Conference to the organizing teams and the need for such conferences to provide an excellent platform for the young researchers as well as to hold student-scientist interactions. Dr. D.W. Patil from the Fishery Science Department presented the final vote of thanks, and the whole Conference was anchored by Dr. Bhagwan Ghute (Co-Convener of AMAG-2024).

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