



ISSN: 2230-9926

Available online at <http://www.journalijdr.com>

# IJDR

International Journal of Development Research

Vol. 13, Issue, 08, pp. 63552-63554, August, 2023

<https://doi.org/10.37118/ijdr.27154.08.2023>



RESEARCH ARTICLE

OPEN ACCESS

## REPORT OF NATIONAL CONFERENCE/ WEBINAR/ WORKSHOP CELEBRATION OF EARTH SCIENCE WEEK 2022 (09 TO 15 OCTOBER 2022)

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### ARTICLE INFO

#### Article History:

Received 11<sup>th</sup> May, 2023

Received in revised form

06<sup>th</sup> June, 2023

Accepted 14<sup>th</sup> July, 2023

Published online 30<sup>th</sup> August, 2023

#### KeyWords:

Earth Science Week, J&K, India,  
Earth Science for a Sustainable World, 2022.

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### ABSTRACT

Earth Science Week was founded in October 1998, by American Geosciences Institute (AGI). Since 1998 it's an annual international event held during the second week of October to help the public gain a better understanding and appreciation for the Earth sciences and to encourage of the Earth. This year's Earth Science Week will be held from October 9 - 15, 2022 and will celebrate the "Earth Science for a Sustainable World." The event, to be held October 9-15, 2022, will emphasize the essential role of Earth science in helping people make decisions that maintain and strength then the planet's ability to support thing life. Program resources and activities will engage young people and others in exploring the many ways that Earth science can and does help to promote sustainable world. Earth Science Week (ESW-2022) Celebration day wise schedule is as follows:

**Sunday 09-October -International Earthcache Day:** (Explore the world, Geology in the field and unique geoscience feature or aspect of our Earth).

**Monday, October 10-Minerals Day:** Appreciation for minerals and mineralogy.

**Tuesday, October 11-Earth Observation Day:** Remote sensing and Geophysical Techniques. **No Child Left inside Day encourages** students to go outside and research Earth science in the field like a professional geoscientist.

❖ **Wednesday, October 12-International Fossil Day:** The understanding and appreciation of fossils.

❖ **Thursday, October 13-Geoscience for Everyone Day:** Explore exciting careers in the geosciences.

❖ **Friday, October 14-Geologic Map Day:** Promote awareness of the study, uses, importance of geologic mapping for education, science, business, and a variety of public policy concerns.

❖ **Saturday, October 15-International Archaeology Day-Celebration of archaeology and the thrill of discovery.**

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Citation: Ajhar Hussain, Samreen and Masood Ahmed. 2023. "Report of national conference/ webinar/ workshop celebration of earth science week 2022 (09 to 15 October 2022)". *International Journal of Development Research*, 13, (08), 63552-63554.

## INTRODUCTION

The week-long national level national Conference/Webinar/Workshop (without any registration fee) was hosted by Department of Geology, Govt. P. G. College Rajouri. It was inaugurated on 09<sup>th</sup> of October 2022 by worthy Principal Prof. Javid Ahmed Qazi, Govt. P. G. College, Rajouri as chief guest. Special Guest of Inaugural ceremony were Prof. F.N. Saddiquie (Retd.) and Prof. Sharmin Khan from AMU Aligarh, Prof. G. M. Bhat (Retd.) from Jammu University, Prof. (Dr.) Shakeel Ahmed Raina (Retd. Principal) Prof. Shabir Hussain Shah (Retd. Principal). Speaking on the occasion Prof. F. N. Siddique highlighted importance of such programmes in contemporary time. This Week long programme was scheduled as 9:30am to 11:30am online presentations, 11:30am to 1:00pm offline presentations in the Department of Geology and 1:15pm to 3:00pm workshop in Geology department Lab. More than 1000 Professors, Scientists, Geologists, Research scholars, Teachers

and students across the country participated in both online and offline mode, National Conference/Webinar/Workshop from different organisations as GSI, ONGC, Coal India Ltd, MECL, Geo-Tech, IITs Institutes, Universities, Colleges and School Education. Dr. Anwer Shah (Head Department of Botany), Dr. Bashir Ahmed (Head Department of Physics), Prof. MohdSadeeq (Head Department of Chemistry), Dr. Nazakat Hussain (Head Department of History), Prof. Abdul Karim (Head Department of Computer Science), Dr. Shamim Akhter (Head department of Zoology), Dr. Taseem Ahmed (Head Department of Geography) and Dr. M. Junaid Jazib (Head department of Environmental Science) Govt. P. G. College Rajouri were convener of this programme. Number of other Professors, Faculty members of Sciences and languages departments as well as from reputed institutes played role in the capacity of Co-Convener, Co-Organizing secretary and organizing committee members. Prof. Mohd Altaf Head Department of Geology and organising Secretary of this conference presented the formal well come address and introduced briefly about the theme of the conference, Earth Science

for a Sustainable World i.e meeting the needs of present day life without compromising the ability of future generation. Prof. G. M. Bhat (Retd) from Jammu University and Prof. Shirmin Khan from AMU Aligarh were resource person on the day-1 and the sub-theme of day-1 was International Earthcache Day. Dr.Anwer Shah (Head Department of Botany) and Prof MohdAltaf (Head department of Geology) Govt. P. G. College Rajouri was chair and co-chair respectively of the day-2 technical session, on sub-theme: Mineral Day. Dr.Chhatrapal P. Ramteke Senior Geologist GSI (Nagpur) and Dr.Shamim Ahmed Dar from BHU were resource persons. Prof. MohdAltaf (Head Department of Geology and Dr.AzharJaved (Head Department of Biotechnology) Govt. P. G. College Rajouri delivered Key talk in offline mode.Prof. Bashir Ahmed (Head Department of Physics) and Dr. M. JunaidJazib (Head department of EVS) Govt. P. G. College Rajouri were chair and co-chair of the day-3 technical session, on sub-theme Earth Observation Day. Sh. RajarshiSaha Scientist-E from ISRO Hyderabad and Prof. Yudhbir Singh from Jammu University were resource persons. Dr.JavedIqbal from West Bangal and Dr.Armugha Khan from AMU Aligarh UP were Key speakers and many others presentation by research scholars were also given. Dr.Gulshan Rashid Bhat from Geography Department and Dr.Masood Ahmed from geology department of Govt. P. G. College Rajouriwere Key speaker in offline mode.

person and Dr.Arjun Singh Rathore (GGM Sc. College Jammu), Dr.Firoz Ahmad (IISc Bangalore) &Dr.Mateen Hafiz (from GDC Kathua) were Keynote Speakers and presentations by Mr.AjharHussain from AMU and Ms.NighatChoudhary from Jammu University. Prof. Sharmin Khan from AMU Aligarh and Dr.ShamimAkhter (Head Department of Zoology) chaired the technical session of day-5 as chair and co-chair respectively on sub-theme Geoscience for Everyone Day. Prof (Dr.) S. M. Hussain Head Department of Geology, University of Madras and Mr. Imran Khan from GSI were resource persons. Dr. George Biswas from Presidency University Kolkata was Key speaker and many others presentation by research Scholars. Prof. Abdul Karim (Head department of Computer science) and Dr. Rajesh Kumar (School of sciences Cluster University Jammu) chaired the technical session of Day-6 on sub theme Geologic Map day. Dr Sham Singh (GGM Sc. College Jammu) and Dr.Firoz Ahmad (IISc Bangalore) were Resource Person, Dr.Suhail Husain and Mr.AjharHussain from AMU were Key Speakers and many others presentation by research Scholars.Dr.Masood Ahmed, Prof. MohdAltaf, Dr.Gulshan Rashid Bhat, Dr.AzharJaved, Prof. QamarRubani, Dr.Naseem Malik, Dr. Asia Rashid Bhat, Dr.MohdJunad, Dr.ShavishVaid, Dr.Shahraz Ahmed Dr. Nawaz Ahmed, Mr.ShahrazKhokhar, MsGulshanShaheen and Mr.Shadab Ahmed assisted in the capacity of trainer in workshop



**Figure 1. Photograph of international Archaeology day celebration and online Valedictory/ Inaugural function of National Conference/ Webinar/ Workshop at Govt. P. G. College Rajouri, J&K India**

Prof. MohdSadeeq (Head Department of Chemistry) and Dr.Taseem Ahmed (Head Department of Geography) chaired technical session of day-4 on sub-theme International Fossil Day. Dr.OmkarVerma from School of Sciences Department of Geology (IGNOU) was resource

on the sub-theme of the day. An interactive session of 20 to 30 minutes was also scheduled daily for the students and researchers attending this programme to get interacted with experts of the day on emerging issues in Earth Science. Mr.AjharHussain, Dr. Sham Singh

Kotwal, Dr.Masood Ahmed, Dr.NehaArora, Dr.Firoz Ahmad, Ms.Nuzhat Fatima, Dr.AhsanUlHaq, Mr.Mohd. Taiyab, Mr. Anil Kumar, Dr.Rajiullah Khan, Dr.Gulshan Rashid Bhat, Dr.Rashmi Sharma, Dr.Mohd. Suhail Husain, Mr.GhulamGhaushZahid, Ms.MananKaurGhai, Ms.AnupamaSahoo, Dr.NighatChoudhary and many others from different departments/institutes were involved in the interactive sessions to discuss and highlight about the scope and future prospects in the field of earth science. Mr.AjharHussain highlighted that the field of earth sciences offers an integrated and interdisciplinary approach to understand our planet earth and apply knowledge from different subjects like mathematics, chemistry, biology, ecology to tackle complex issues. Dr.Mohd. Suhail Husain highlighted that the theme illuminates the vital role of earth science in helping people in making decisions that maintain and strengthen the planet's ability to support life.

He also highlighted that the individuals of all backgrounds, ages and abilities are invited to explore how the planet is challenged to provide for the human health, safety and prosperity while preserving environmental integrity. Ms.Manan Kaur Ghai suggested that the geoscientists tackle many of the humanity's most challenging problems such as managing urbanization, protecting against natural disasters and securing safe water. Ms.Nuzhat Fatima highlighted the significance of remote sensing and GIS applications in the management of natural resources. Her area of research is focussed on Land use- Land cover dynamics using remotely sensed data. Dr.Masood Ahmed from Dept. of Geology Govt. P. G. College Rajouri, Mr. Ajhar Hussain & Dr. Mohd Suhail Husain from AMU Aligarh and Dr. Firoz Ahmad from IISc Bangalore Hosted all the online technical sessions. Today on 15 of October 2022 this programme ended with celebration of international Archaeology Day in which Dr.NuzakatHussain Head Department of History and Prof. QamarRubani from Govt. P. G. College Rajouri delivered Key Talk on overview on Archeology and its Importance also laid emphasis on current scenario and future challenges in Archeology Followed by Valedictory function presided over by Prof. (Dr.) Javid Ahmed Qazi Principal Govt. P. G. College Rajouri. Guest of Honour were Prof. G. M. Bhat, Prof Sharmin Khan and Prof. (Dr.) Shkeel Ahmed Raina. Special Guest on the occasion were Prof. MusharrafHussain Shah (Principal GDC Darhal) Prof. Farooq Ahmed (Principal GDC Thanamandi) and Prof. Shamim Ahmed Azad (Principal GDC Doongi).

Prof. Sharmin Khan, Dr.Firoz Ahmad & Mr.AjharHussain pays a special thanks and gratitude to Dr.Masood Ahmed (coordinator) and Prof. MohdAltaf (Organizing Secretary) for managing beautifully such a dynamic and interdisciplinary one week long event by providing and exploring the cutting edge research and development interfaces of the earth science. Earlier Dr.Masood Ahmed coordinator of the programme briefed about the activities carried out during this week long programme. Prof. MohdAltaf Head, Department of Geology and organising Secretary of the programme presented the formal well come address and vote of thanks, Coating special thanks to Dr.Athar Aziz Raina, Mr.AjharHussain, Dr.Firoz Ahmad, Dr.Supriya Gupta, Prof. Amjid Khan Bhatti, Dr.Rajiullah Khan, Prof. RabiaChoudhary, Dr.ParveenSadotra, Dr.Mohd. Suhail Husain for providing technical assistance. Dr. Sham Singh Kotwal from GGM Sc. College Jammu while thanking to the participants suggested to researchers to be always a part of such intellectual gatherings. Speaking on the occasion all the special guests congratulated to Prof. (Dr.) Javid Ahmed Qazi and organizing team and appreciated the initiative to organize such programme to promote the research and create a creative environment for researchers and students. Valedictory function was attended by all the faculty members of Govt. P. G. College Rajouri as well as students. Finally the Prof. IqbalRaina from department of physics Govt. P. G. College Rajouri concluded the program with a remark that this not end this is beginning Govt. P. G. College will organize this programme annually at international level from next year.

**Conflict of interest:** The authors have no conflict of interest.

**Author Contributions:** AjharHussain: report writing, Samreen: analysis and proofreading; Masood Ahmed: review.

**Funding:** Not applicable.

**Data Availability:** All used data are available from the corresponding author with formal request.

**Ethical Approval:** Not applicable.

**Consent to Participate:** Not applicable.

**Consent for Publication:** All authors have read and approved the manuscript

**Competing Interests:** The authors declare no competing interests.

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