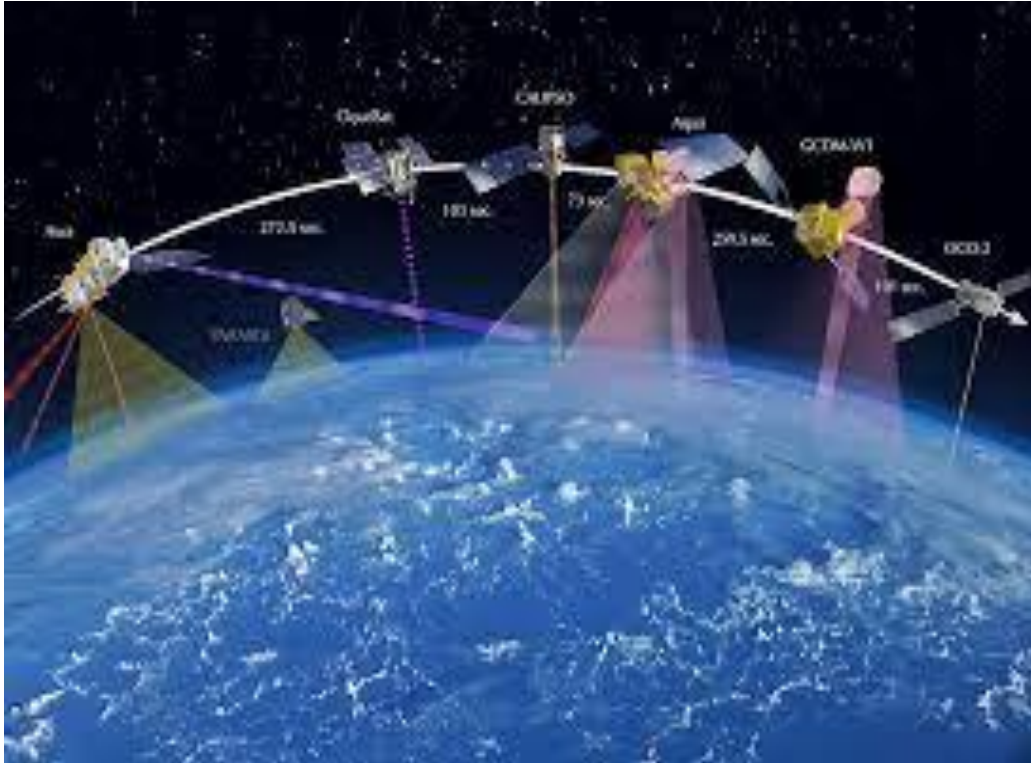


International Webinar Report on
Satellite Applications in Geophysics

DOI: 10.13140/RG.2.2.10061.05607



Date: 22 July, 2020

Time: 9:15 A.M. to 11:30 A.M.

**Department of Physics,
Dr. H.S.Gour (A Central)University, Sagar
Sagar (M.P.)-470003-India**

Convener: Dr. Poornima Varma

<https://youtu.be/KurRXqMQj3g>

Aim/Objective of the webinar

And

brief introduction of Speakers

Very good morning to the speaker's dignitaries and participants of this meeting. It is my pleasure to invite all of you on virtual platform to conduct the international webinar on behalf of Dr. H. S. Gour Central University, Sagar situated in Madhya Pradesh in India. It is my moral duty to pay the sincere regards to founder of this university Dr. Sir Hari Singh Gour gee due to his Nobel contribution provides this remote region to international platform. Sagar university is well known for its better education pattern, quality research output and good placements in all over the world.

The aim of this meeting is to know the recent development of satellite program. India is a good signature in that particular field. The present era is digital era and our Hon. Prime Minister Narendra Modi gee focus always on digital and paper less work, which is possible only by satellite communication technology with the help of advance research on low frequency and high frequency waves phenomena, nanotechnology, nano-materials and geographical study. Today our eminent speakers will focus on this basic theme

1. Prof. Ravindra Pandey gee is presently working in Michigan tec. University as prof., chair in Physics USA will deliver a talk about nanomaterials characterization and simulations.

2. **Prof. A. K. Gwal gee retired Prof. of BU Bhopal as well as former V.C. of AISECT, Bhopal. He will focus on the Role of Satellite data for early warning system of earthquake & Tsunami.**
3. **Prof. R. C. Tiwari gee presently working as Head, Dean in Mizoram University, Aizawl will present a lecture on the Satellite application to study ionosphere.**

Due to Covid-19 the physical class room study is totally locked so this virtual platform is very helpful and useful to maintain the continuity of teaching learning practice. The present pandemic time is too critical and it is essential to improve the mental health as well as the connectivity for self-grooming.

I hope webinar may be helpful to maintain our intellectual status and to know the recent information and development by the eminent scientist's lecture. Thanks once again. I would like to invite Hon. V.C. Sir for key note address and to inaugurate the webinar.

After that VC is addressed the meeting and inaugurated the light of lamp. The [797-registration received](#) and [610 feedback received](#). The data are available in excel sheet. The system is auto generated certificates so the issued certificate is 610. Here the posters of the webinar in slides.



Time Schedule of the



International Webinar on

“Satellite Applications in Geophysics”

22 July 2020

Department of Physics, Dr. H.S.Gour Vishwavidyalaya,

Sagar M.P.-470003-India

9: 15 A M: Virtual link started

9: 20 A M to 9: 25 A M: Aim/Objective of the Webinar and brief introduction of speakers

9: 25 A M to 9: 30 A M: Key note address by Hon.Vice Chancellor DHSGVV, Sagar

9: 30 A M to 10:10 A M: Prof. Ravindra Pandey

10:10 A M to 10:50 A M: Prof. A. K. Gwal

10: 50 A M to 11: 30 A M: Prof. R. C.Tiwari

11: 30 A M to 11: 35 A M Vote of thanks

Convener

Dr. Poornima Varma



International Webinar on Satellite Applications in Geophysics



Dr. Sir H.S. Gour
Founder

Date: 22 July, 2020
Time: 9:15 A.M. to 11:30 A.M.



Join the Session on Google Meet thru :
meet.google.com/fdw-otkf-cup

Go Live on YouTube
<https://stream.meet.google.com/stream/57004659-b763-467b-929a-699bdb18323d>

Eminent Speakers



Prof. R. Pandey
Department Chair, Physics
Michigan Tech. University
Houghton, USA



Prof. A. K. Gwal
Former V.C.
RTU, Bhopal
M.P., India



Prof. R. C. Tiwari
Head, Department of Physics
Mizoram University, Aizawl
Mizoram, India

Organized by
Department of Physics
Dr. H.S. Gour Vishwavidyalaya
Sagar M. 470003 INDIA

Registration free E-Certificate will be provided to all registered participants



Aim/ Objective of Webinar

aim of this webinar is to explore the recent development in the field of satellite programme Presently the India have a good signature in space research programme The new era are digital era and globalization are only possible by the satellite communication through the research of ULF/VLF waves, nano-materials and nano-technology, geographical survey and recent innovations Thus the study and research of space science and geosciences are more relevant to make our life easy and secure. The main objective of this webinar is to share the new results between the scientist, researchers and faculty including the students The present pandemic time is too critical time to all of us, so the improvement of mental health as well as the connectivity or self grooming is too essential The webinar may be helpful to maintain our intellectual status as well as to give the recent information and development by the eminent scientist lecture.

Title of Talk

1. **Synthesis, characterization and simulation of nanomaterials**
By Prof. R. Pandey Houghton, USA
2. **Satellite application to study ionosphere,**
By Prof. R. C. Tiwari, Mizoram, India
3. **Role of Satellite data for early warning system of earthquake & Tsunami,**
By Prof. A.K.Gwal, Bhopal M.P.-India

International Webinar on Satellite Applications in Geophysics



Patron
Prof. R.P. Tiwari
Hon'ble Vice Chancellor



Co-Patron
Prof. Diwalar Shulda
Dean, SMPS



Head
Prof. Ranveer Kumar
Department of Physics



Convener
Dr. Poonima Varma
Women Scientist,
Department of Physics
E-Mail: sgophy.20@gmail.com



Co-Convener
Prof. M.S. Tiwari (Retd.)
Department of Physics

Technical Team



Advisor
Dr. Sandhyal Patel
Department of Physics



Dr. Virendra Tiwari
LNCT, Bhopal



Dr. Radha Tamralar
Govt. K.N. College, Damoh

Organized by

Department of Physics

Dr. H.S.Gour Vishwavidyalaya, Sagar-471003 INDIA

Eminent Speakers



Prof. R. Pandey

Prof. Ravindra Pandey presently working as a Professor & Chair, 108 Fisher Hall Michigan Tech University, Houghton, MI 49931 USA. Dr. Pandey received his M. Sc. from Harisingh Gaur University and Ph.D in Theoretical Solid State Physics from the University of Manitoba, Canada, in 1988. Dr. Pandey's research focuses on searching of novel 2D materials with different structures and exploring their properties based on density functional theory (DFT), which is of importance both for fundamental interests and applications. He has published 500 research articles in various national and international journals. He is fellow of American Physical Society



Prof. R.C. Tiwari

Ramesh Chandra Tiwari, Ph.D. currently works as Professor and Head, Department of Physics, Mizoram University (A Central University), Aizawl, Mizoram, India. He has teaching experience of about 30 years, which includes Post Graduate, Research and Undergraduate levels. His area of research interest is Geophysics, Electronics, and Physics of ionizing and non-ionizing radiation including TV signal processing. He has filed three Patents, published seventy papers and four books. He is reviewer for several journals published by Elsevier, Springer, INGV Italy and European Geophysical Union, had delivered 75 Invited talks at National and International level. He had been member of several academic bodies including UGC Inspection Team, Executive Council of NIELIT and Mizoram University, Academic Council of Dr H S Gour Sagar University and NAAC Assessor.



Prof. A.K. Gwal

Prof. A.K. Gwal is presently Member, Governing Council of the Aryabhata Research Institute of Observational Sciences (Department of Science and Technology (DST), Government of India). He has published over 200 research papers in International/National journals and presented more than 200 papers in Conferences/Symposium. Proceedings including reviews in contemporary areas and three books (Two edited) are published. He has visited several countries (USA, Canada, Italy, Japan, etc.) several times to deliver lectures, participate and chair the conferences. He has supervised 70 Ph.D. research scholars. He is the recipient of Vigyan Bhushan, Meritorious Award conferred by Science Centre, Madhya Pradesh for his outstanding leadership and contribution for the popularization of Physics and Space Science in Madhya Pradesh with extraordinary commitment. His research area is Astrophysics and Remote Sensing.

Organizers



Prof. M.S. Tiwari

Prof. M.S. Tiwari is a retired professor presently working in the Department of Physics as scientist mentor in DST project. He has supervised many Ph.D. candidate for the Ph.D. thesis and M.Sc. students for their projects work. He has completed 10 Major projects as PI funded by ISRO, CSIR, MAPCOST, DST and UGC. His research area is ULF/VLF waves, Magnetosphere-ionosphere coupling, Multi-ions plasma, and auroral electrodynamics. He has published about 150 research papers in national, international journals and seminars symposiums.



Dr. Poornima Varma

Dr. Poornima Varma presently working as women scientist in the Department of Physics. She has teaching and research experience about 25 years which includes P.G. Research and U.G. level. She has supervised Ph.D. candidate for the Ph.D. thesis and M.Sc. Students for their projects work. She has successfully completed 11 Major projects as PI and Co-PI funded by ISRO, CSIR, MAPCOST, DST and UGC. She Awarded as Young Scientist Award (National Award) by ISCA for best poster paper. Her research area is ULF/VLF waves, Magnetosphere-ionosphere coupling, Multi-ions plasma, auroral electrodynamics and Earth's Magnetospheric Phenomena. She has published about 107 research papers in national, international journals and seminars symposiums. She is the reviewers of many reputed journals of Elsevier, Springer, Wiley Publications and Cambridge University Press and reviewed many research articles and papers.

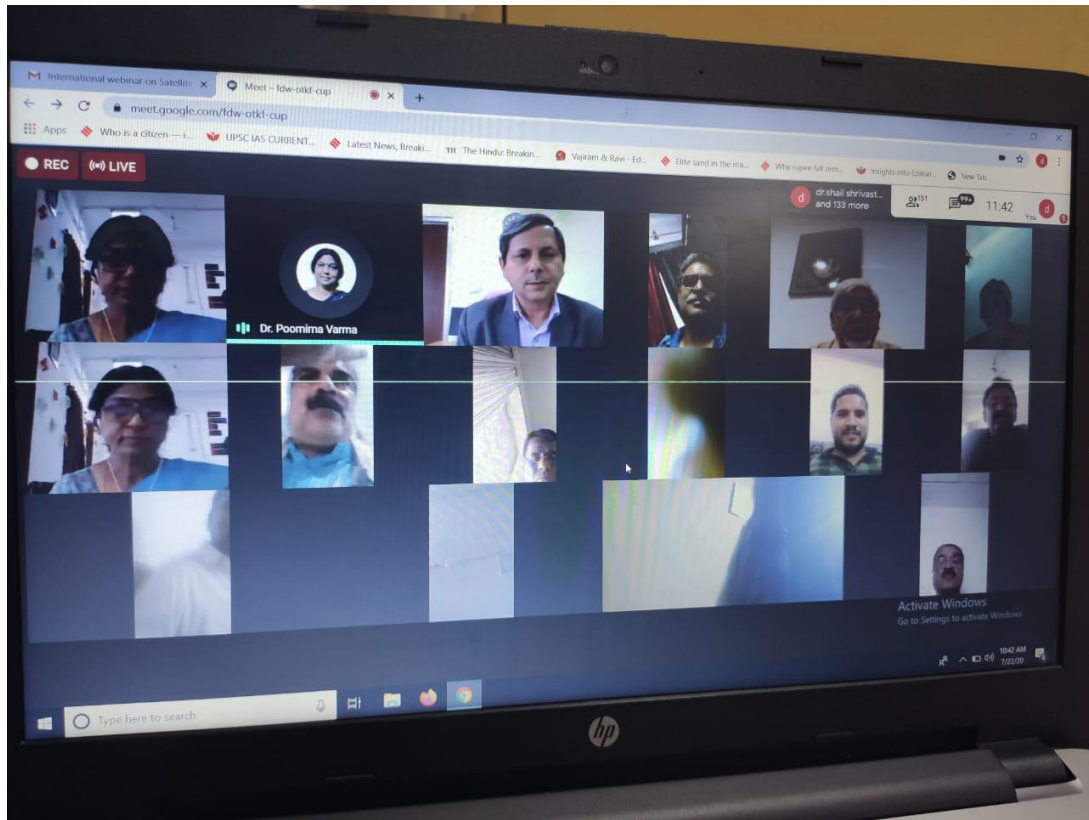
Vote of thanks by Convener:

Before the end of this beautiful events, I pay my sincere thanks to our Hon. V.C. Sir for their kind support and moral boosting, Dean of Science and Head Department of Physics for their kind suggestions and support. I also pay my regards to Prof. M.S.Tiwari gee my mentor and academic guardian for their moral and scientific support always. Thanks, are also goes to advisor of the webinar Dr. Sandhya Patel for their kind advice and specially thanks to our technical team Dr. Virendra Tiwari and Dr. Radha Tamrakar for their technical support before the start of this plan. I am also thanks to my family members my younger brothers, sisters and his family specially my elder sister Dr. Shail Shrivastava for their indoor, moral and mental supports. Finally, thanks to God Almighty for their kindness.

We have received excellent responses by Indian and Abroad participates through their feedback forms which are about 610 with good ratings. The data are available in excel sheet in google forms.

Acknowledgements: The convener PV is thankfully acknowledged to DST, New Delhi (WOS-A Scheme) for financial assistance.

Glimpses of online Webinar



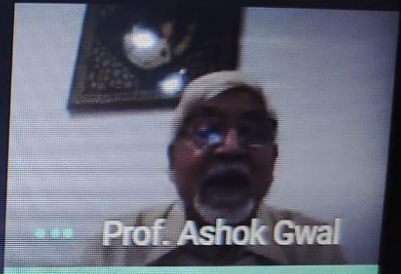
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and 140 more

158

99+

11:15

You **d**



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Ranveer Kumar
and 140 more

157

87

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MataShankar Ti...



Pyare Lal Verma



Gajendra Ujjain...



Anarsingh Kirade



Devendra Shar...



Rekha Jain



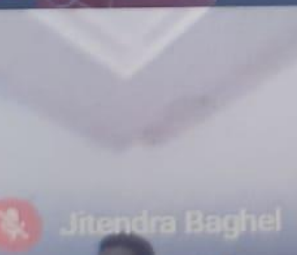
v.k. Jain



Lalji Tiwari



shishir jain



Jitendra Baghel



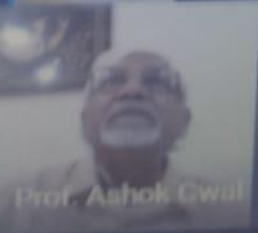
Anil Jain



MataShankar Ti...



Siddhant Rajpoot



Prof. Ashok Gwal



Jitendra Baghel

(LIVE) Dr. Poornima Varma is presenting

डॉ० हरीसिंह गौर विश्वविद्यालय, सागर (म०प्र०)
A-Grade by UGC NAAC
A Central University

“Role of Satellite Data for Early Warning System of Earthquake & Tsunamis”

**International Webinar on
Satellite Application in Geophysics
22/07/2020**

**By
Prof Ashok Kumar Gwal
Ex-Vice Chancellor
RABINDRANATH TAGORE UNIVERSITY**

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Submitted by
Dr. Poornima Varma,
Women Scientist-A and Faculty
Department of Physics
Dr. H.S.Gour University, Sagar M.P.-470003-India