



# GOVERNMENT COLLEGE KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA, 671123

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NAAC 3RD CYCLE ACCREDITATION

**REPORT OF SEMINARS/WORKSHOPS  
CONDUCTED IN THE COLLEGE  
DURING 2020-2021**



# GOVERNMENT COLLEGE KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA 671123

04994 256027

principalgcksd@gmail.com

www.gck.ac.in

## Seminars/Workshops conducted during the Academic Year 2020-21

### Webinar Series organized by Department of Geology

Name of the Event	No. of Participants	Date
National Webinar Series 01. Antarctic ice and Climate	95	2020 July 07
National Webinar Series 01. Geological Applications of Remote Sensing	108	2020 July 21
National Webinar Series 03. Practice while Learning-Geology and Environment	76	2020 July 30
National Webinar Series 04. Ice related flow processes on Mars.	112	2020 August 05
National Webinar Series 05. Opportunities in Higher Education and Employment in Geology	80	2020 August 8
National Webinar Series 06. Landslides with special reference to Kerala	74	2020 August 12
National Webinar Series 07. Preparation for UPSC-GSI Examination	120	2020 August 22
National Webinar Series 08. Hydrocarbon Exploration: An overview	84	2020 August 23
National Webinar Series 09. Applications of Hyperspectral Remote Sensing in Mineral Exploration	75	2020 September 03
National Webinar Series 10. Kerala Konkan basin: Hydrocarbon prospectivity overview	110	2020 September 05

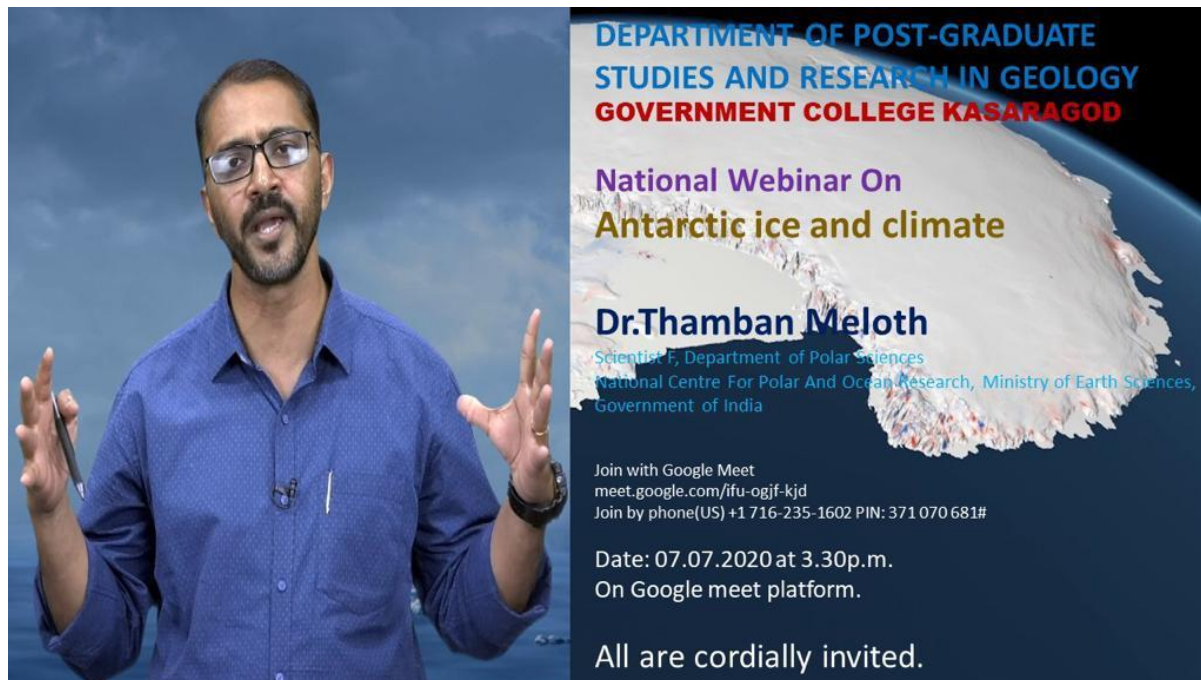


Name and Signature of the Principal  
Dr. Ananthapadmanabha A.L.

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## Brochures, Screenshots and Link to Recorded sessions:

### National Webinar Series 01. Antarctic ice and Climate:



**DEPARTMENT OF POST-GRADUATE STUDIES AND RESEARCH IN GEOLOGY**  
**GOVERNMENT COLLEGE KASARAGOD**

**National Webinar On**  
**Antarctic ice and climate**

**Dr.Thamban Meloth**  
Scientist F, Department of Polar Sciences  
National Centre For Polar And Ocean Research, Ministry of Earth Sciences,  
Government of India

Join with Google Meet  
meet.google.com/ifu-ogjf-kjd  
Join by phone(US) +1 716-235-1602 PIN: 371 070 681#

Date: 07.07.2020 at 3.30p.m.  
On Google meet platform.

All are cordially invited.

Link to recorded session

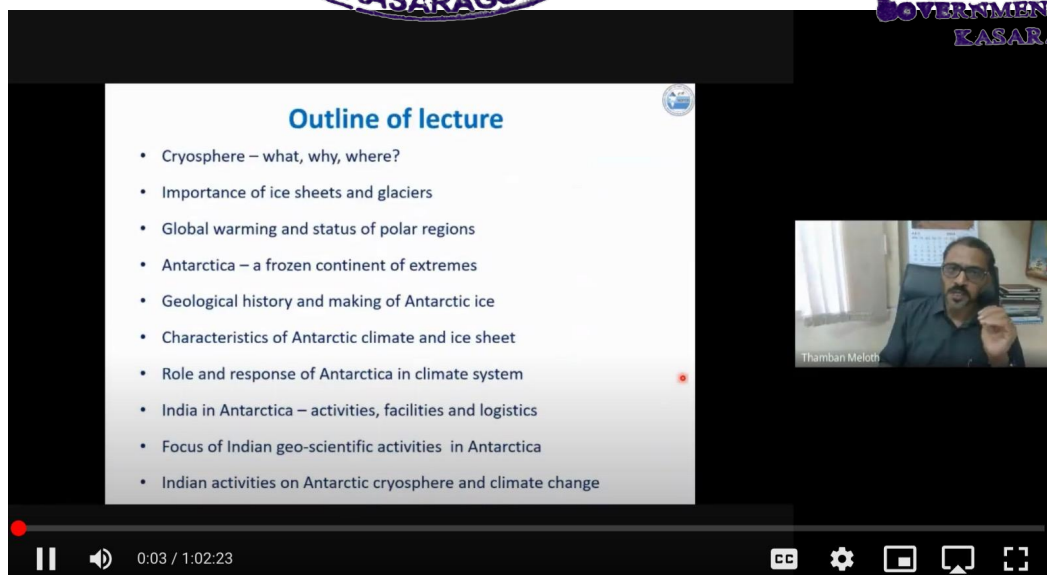
[https://drive.google.com/file/d/1-rGx\\_6yFfAuK8rcTwRtELyIl7MIhGdh9/view?usp=sharing](https://drive.google.com/file/d/1-rGx_6yFfAuK8rcTwRtELyIl7MIhGdh9/view?usp=sharing)

Screenshot of session:



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**Dr.Ananthapadmanabha.A.L**

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**Outline of lecture**

- Cryosphere – what, why, where?
- Importance of ice sheets and glaciers
- Global warming and status of polar regions
- Antarctica – a frozen continent of extremes
- Geological history and making of Antarctic ice
- Characteristics of Antarctic climate and ice sheet
- Role and response of Antarctica in climate system
- India in Antarctica – activities, facilities and logistics
- Focus of Indian geo-scientific activities in Antarctica
- Indian activities on Antarctic cryosphere and climate change

Thamban Meloth



## National Webinar Series 03. Practice while Learning-Geology and Environment:



Social worker, Environmentalist,  
Member in Several Govt.Bodies,  
Academician,  
Chairman Geoalumnas.  
District Co-ordinator Ecoclub and  
NCSC.  
Published Popular and Scientific  
Articles, Participated in Radio  
talks and TV interviews.

### DEPARTMENT OF POST-GRADUATE STUDIES AND RESEARCH IN GEOLOGY GOVERNMENT COLLEGE KASARAGOD

National Webinar Series No. 03

Practice while Learning – Geology and Environment

Prof. V Gopinathan,

Former Regional Deputy Director of Collegiate Education North Zone, Kozhikode and Professor in Geology.

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Date: 30.07.2021, Time: 3.00pm.

On Google meet platform.

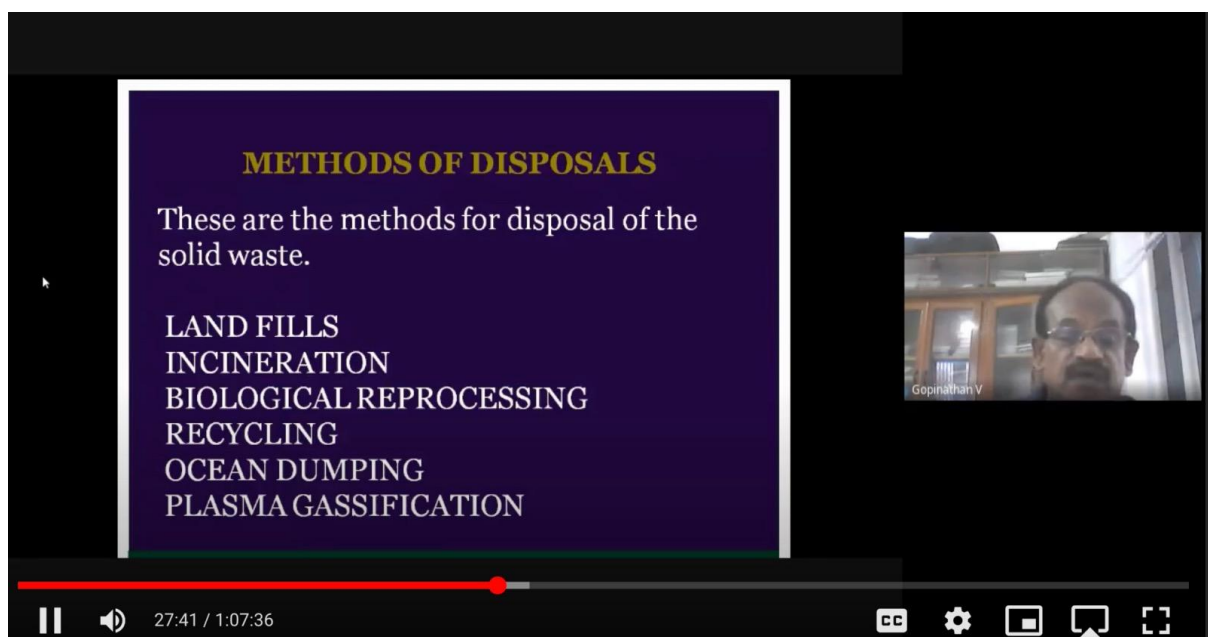


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### Link to recorded session:

[https://drive.google.com/file/d/1EsFlx7Mw6ySYvPaOy9eaJ\\_Kkf1luoqTo/view?usp=share\\_link](https://drive.google.com/file/d/1EsFlx7Mw6ySYvPaOy9eaJ_Kkf1luoqTo/view?usp=share_link)



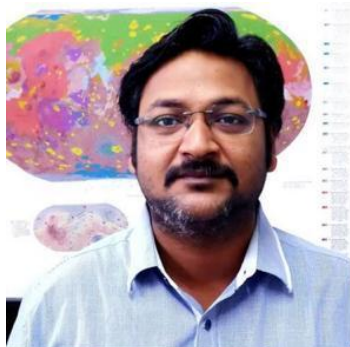
**METHODS OF DISPOSALS**

These are the methods for disposal of the solid waste.

- LAND FILLS
- INCINERATION
- BIOLOGICAL REPROCESSING
- RECYCLING
- OCEAN DUMPING
- PLASMA GASSIFICATION

Video player controls: 27:41 / 1:07:36

## National Webinar Series 04. Ice related flow processes on Mars



DEPARTMENT OF POST-GRADUATE STUDIES AND  
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National Webinar Series No. 04

### Ice related flow processes on Mars

**Mr. Rishitosh Kumar Sinha**

Scientist/Engineer SD, Planetary Sciences and Exploration Group, PLANEX,  
PHYSICAL RESEARCH LABORATORY, ISRO

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**Date: 05.08.2020 at 3.00p.m.**

On Google meet platform.

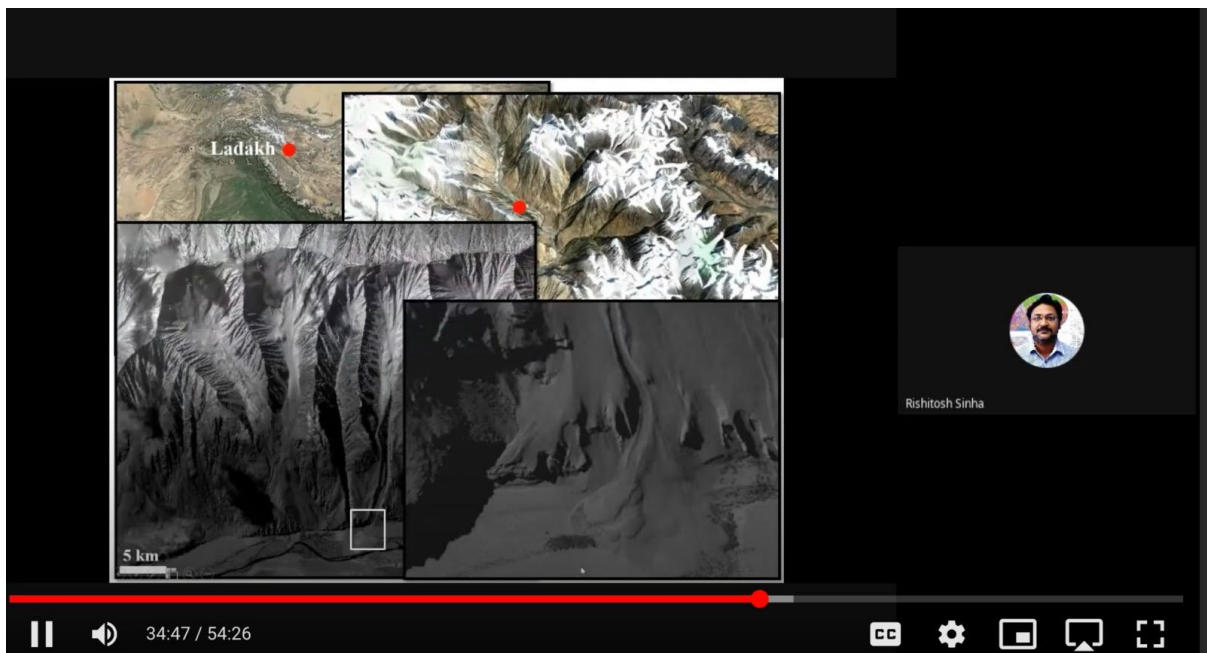
All are cordially invited

Specialised in Planetary Remote Sensing (Mars):  
Morphological study of glacial/periglacial landforms.  
Comparative Planetology: Morphological insights  
from Mars and Earth-analogues.

- Ph.D (Planetary Science), IIT Gandhinagar, Gujarat (2017 -ongoing)
- M.Tech (Remote Sensing & GIS) SRM University, Kattankulathur campus, Chennai
- B.Tech (Instrumentation and Control) (First class), SRM University, Kattankulathur campus, Chennai.

Link to recorded session:

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Name and Signature of the Principal  
**Dr. Ananthapadmanabha A.L.**







## National Webinar Series 05. Opportunities in Higher Education and Employment in Geology



**DEPARTMENT OF POST-GRADUATE STUDIES  
AND RESEARCH IN GEOLOGY  
GOVERNMENT COLLEGE KASARAGOD**

### National Webinar On Opportunities in higher education and employment in Geology

**Dr. A.P. Pradeep Kumar**

Professor, Department of Geology, Kerala University, Thiruvananthapuram.

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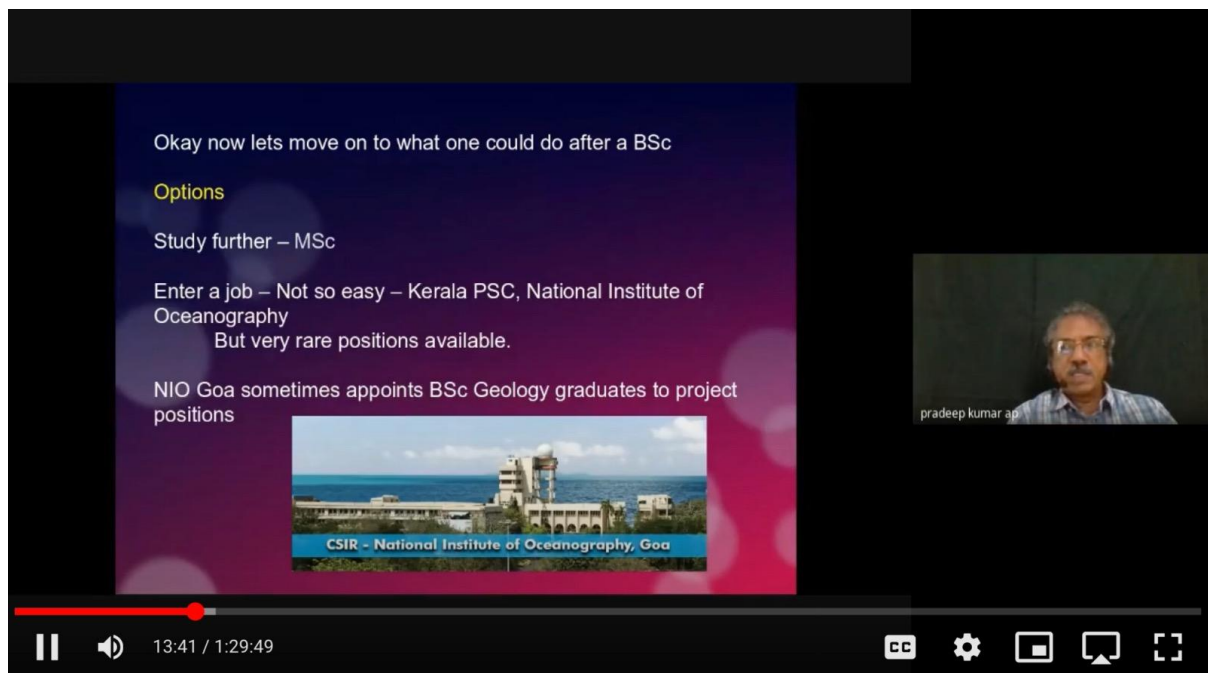
Date: 08.07.2020 at 2.30p.m.

On Google meet platform.

All are cordially invited

Link to recorded webinar:

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**Dr. Ananthapadmanabha A.L.**

## National Webinar Series 06. Landslides with special reference to Kerala



**DEPARTMENT OF POST-GRADUATE STUDIES  
AND RESEARCH IN GEOLOGY & GEOALUMNI  
GOVERNMENT COLLEGE KASARAGOD**

National Webinar Series No. 06  
On  
**Landslides - with special reference to Kerala.**

**Dr. K K Ramachandran.**  
Former Member Secretary, Kerala State Council for Science, Technology and Environment, Sasthra Bhavan, Thiruvananthapuram, Kerala..

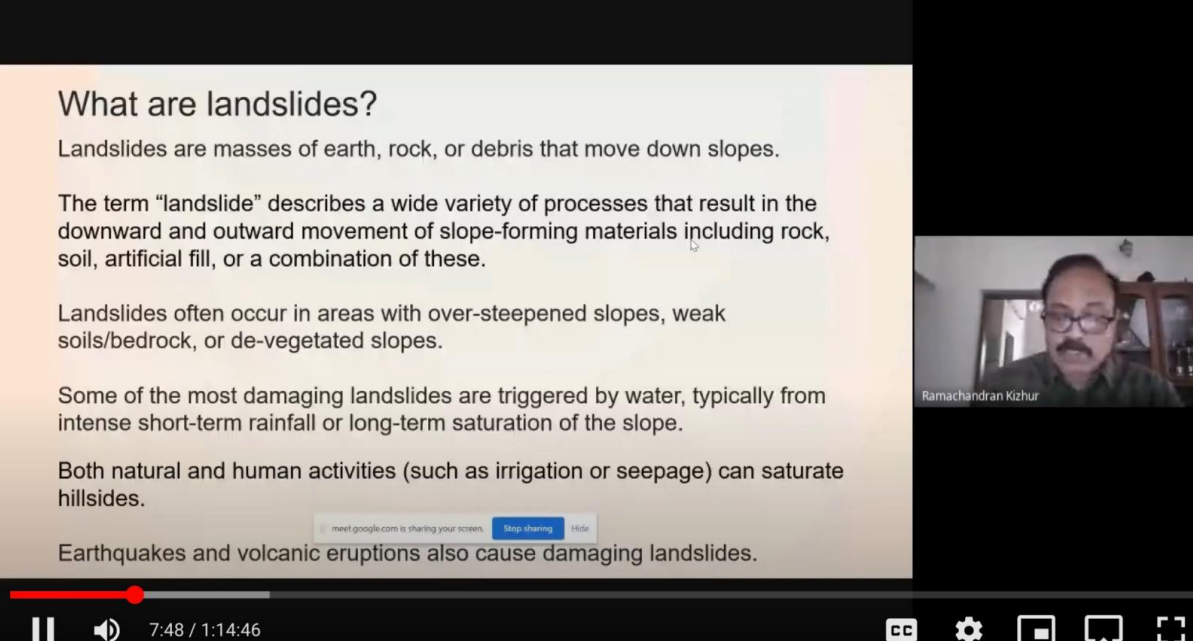
Experienced Geo spatial Applications Scientist, with vast experience of working in the areas of Marine Sciences, Marine Geology, Coastal Zone Management, Coastal Wetlands, Geoinformatics & GIS

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Date: **12.08.2020 at 3.00 p.m.**

All are cordially invited

Link to recorded webinar:

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**What are landslides?**

Landslides are masses of earth, rock, or debris that move down slopes.

The term "landslide" describes a wide variety of processes that result in the downward and outward movement of slope-forming materials including rock, soil, artificial fill, or a combination of these.

Landslides often occur in areas with over-steepened slopes, weak soils/bedrock, or de-vegetated slopes.

Some of the most damaging landslides are triggered by water, typically from intense short-term rainfall or long-term saturation of the slope.

Both natural and human activities (such as irrigation or seepage) can saturate hillsides.

Earthquakes and volcanic eruptions also cause damaging landslides.

Ramachandran Kizhur



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## National Webinar Series 07. Preparation for UPSC-GSI Examination





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GOVERNMENT COLLEGE KASARAGOD**

National Webinar Series No. 07  
On

**Preparation for UPSC-Geologist Examination.**  
**Sri. Muhammed Faisal M.**  
Geologist, Geological Survey of India, Nagpur.

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**Date: 22.08.2020 at 3.00 p.m.**

All are cordially invited

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**Step 3 :-**

Understand the nature of question asked

- Source is previous year question papers

To understand

- Connection between the questions and syllabus
- How various topics are covered
- various dimension of the same topic



Muhammed

12:32 / 41:54


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## National Webinar Series 08. Hydrocarbon Exploration: An overview



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National Webinar Series No. 08

**Hydrocarbon Exploration: An overview**

**Dr. Manu M S.,**  
Superintending Geologist, Oil and Natural Gas Corporation, COG Group, Mumbai.

Date: **23.08.2020 at 3.00 p.m.**

**All are  
cordially  
invited**

Link to recorded webinar:

[https://drive.google.com/file/d/1oEjsRRNDh-UHamBCUuww-3mrCMGIaSIY/view?usp=share\\_link](https://drive.google.com/file/d/1oEjsRRNDh-UHamBCUuww-3mrCMGIaSIY/view?usp=share_link)


**Source Rock**


**Source Rocks are:**

- Fine grained, clay-rich siliclastic rocks (mudstones, shales) or dark coloured carbonate rocks (limestones, marlstones), which have generated and effectively expelled hydrocarbons.

**A petroleum source is characterised by three essential conditions:**

1. It must have a sufficient content of finely dispersed organic matter of biological origin
2. Must be buried at certain depths and subjected to proper subsurface temperatures in order to initiate the process of petroleum generation by the thermal degradation of kerogen.





7:26 / 1:34:49

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## National Webinar Series 09. Applications of Hyperspectral Remote Sensing in Mineral Exploration



Specialised in Hyperspectral remote sensing for mineral exploration and lithological discriminations; GIS and Geomorphology; Planetary remote sensing (Lunar and Mars surface composition)

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National Webinar Series No. 09

Applications of Hyperspectral Remote Sensing in Mineral Exploration

**Dr. K.N. Kusuma**

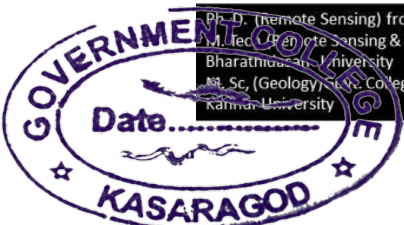
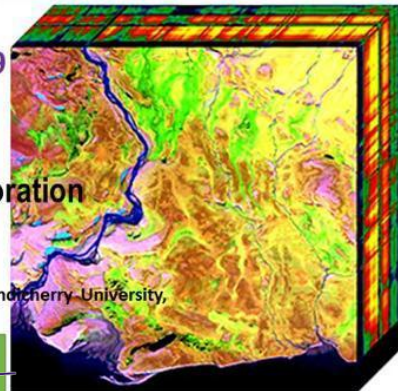
Assistant Professor, Department of Earth Sciences, Pondicherry University,  
R. Venkatraman Nagar, Kalapet, Pondicherry -605014

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Name and Signature of the Principal  
Date: 09.09.2023

All are cordially invited



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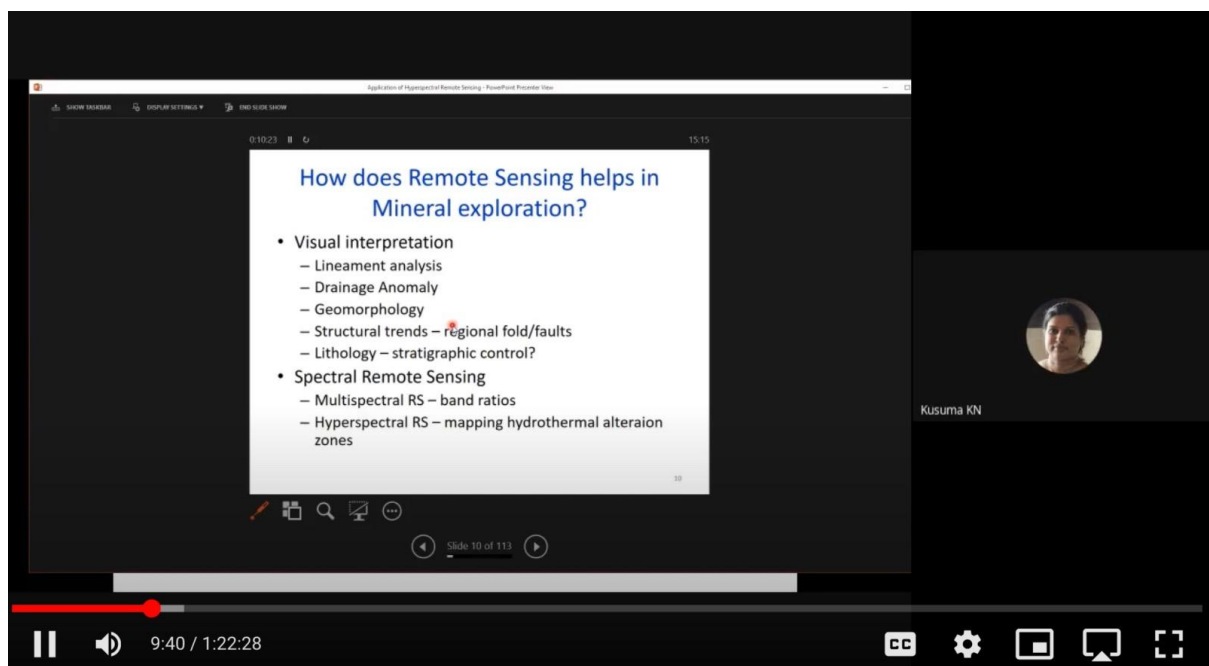
Date: 09.09.2023

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## National Webinar Series 10. Kerala Konkan basin: Hydrocarbon prospectivity overview



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10 minutes before.

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National Webinar Series No. 10  
Oceanic basin

**KERALA - KONKAN BASIN:  
HC PROSPECTIVITY OVERVIEW.**  
By  
**N. Ashok Kumar**  
Former General Manager (Geology), ONGC Mumbai

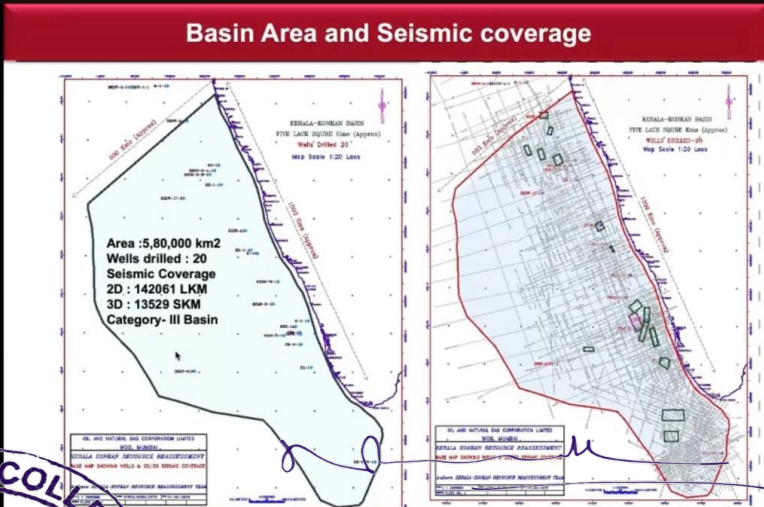
Date: **05.09.2020 at 3.00 p.m.**

All are cordially invited


Link to recorded webinar:

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**Basin Area and Seismic coverage**




Area : 5,80,000 km<sup>2</sup>  
Wells drilled : 20  
Seismic Coverage  
2D : 142061 LKM  
3D : 13529 SKM  
Category- III Basin



N. ASHOK Kumar

Name and Signature of the Principal  
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