



The Director, Scientists and Staff of  
ESSO-National Centre for Earth Science Studies,  
Ministry of Earth Sciences, Government of India  
Thiruvananthapuram

Cordially invite you to

# SWASRAYA BHARAT 2019

## The Kerala Science Fest - 2019

Satellite seminar on  
“Western Ghats and Dam Management”

on 21<sup>st</sup> November 2019

at National Centre for Earth Science Studies  
Thiruvananthapuram

Organised by

National Centre for Earth Science Studies &  
Swadeshi Science Movement, Kerala  
(A unit of Vijnana Bharathi)



ESSO - NATIONAL CENTRE FOR EARTH SCIENCE STUDIES  
Ministry of Earth Sciences, Government of India  
Akkulam, Thiruvananthapuram



“Save our mother Earth from plastics”

Registration	: 09:00 am - 10:00 am
Poster presentation	: 09:30 am
Inaugural Function	: 09:45 am – 10:45 am
Invocation	
Welcome	: <b>Dr. N. Purnachandra Rao</b> , Director, NCESS
Lighting of lamp	
Presidential address	: <b>Dr. M. Sudhakar</b> , Director, CMLRE
Introductory Remarks	: <b>Shri. P. A. Vivekananda Pai</b> Secretary General, Architect, Kochi
Felicitation	
Vote of thanks	: <b>Dr. V. Nandakumar</b> Sc.G & Chairman, Organising Committee
National Anthem	

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Tea Break	: 10:45 am - 11:00 am
<b>Invited Talks</b>	<b>: 11:00 am - 01:15 pm</b>
11:00 am – 11:45 am	<b>Climate change and Environment</b> <b>Dr. N.H. Ravindranath</b> Professor, Centre for Sustainable Technologies, Indian Institute of Science, Bangalore
11:45 am – 12:30 pm	<b>Landslides - the Indian scenario</b> <b>Dr. Vikram Gupta</b> Wadia Institute of Himalayan Geology, Dehradun
12:30 pm – 01:15 pm	<b>Reservoir induced seismicity</b> <b>Dr. N. Purnachandra Rao</b> Director, National Centre for Earth Science Studies, Thiruvananthapuram
Lunch Break	: 01:15 pm – 02:00 pm
02:00 pm – 02:45 pm	<b>Dam Management</b> <b>Dr. T. G. Antony Balan</b> Former Chief Engineer, Central water Commission, India
02:45 pm – 03:45 pm	Panel discussion on <b>Western Ghats and Dam Management</b> Moderator: <b>Dr. C. P. Rajendran</b> Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
03:45 pm - 03:55 pm	Valedictory Remarks
03:55 pm - 04:00 pm	Vote of Thanks <b>Dr. Nidhi M. B.</b> Asst. Professor, Mar Baselios College of Engineering & Technology, Thiruvananthapuram
Tea	: 04:00 pm