



NATIONAL WORKSHOP ON WESTERN GHATS: EVOLUTION AND ENVIRONMENTAL ISSUES

1-2 January, 2016

National Centre for Earth Science Studies (NCESS), Thiruvananthapuram

01 January 2016

9.30 – 11.00

Inaugural Session

Technical Session I (a): Evolution of Western Ghats

Chairperson: Dr. B. K. Bansal, Advisor, MoES

11.15 – 11.45	S. Sinha Roy Birla Institute of Scientific Research, Jaipur	The Western Ghats: product of lithosphere- asthenosphere dynamics and denudational flexural isostasy
11.45 – 12.15	BPK Patro NGRI, Hyderabad	Some insights into the Lithospheric Electrical structure in the Western Ghat region from magnetotelluric studies
12.15 – 13.15	A. P. Pradeep Kumar University of Kerala	Cosmogenic Radio Nuclides ^{10}Be and ^{26}Al in deciphering erosion rates and evolution of the Western Ghats

-----13.15 – 14.00 Lunch -----

Technical Session I (b): Evolution of Western Ghats

Chairperson: Dr. Kusala Rajendran, Professor, IISc

14.00 - 14.30	Kusala Rajendran Indian Institute of Science	Updates on our understanding of the seismicity of Peninsular India
14.30 - 15.00	Pankaj Jaiswal Geological Survey of India	Landslide management in Western Ghats: challenges, preparedness and early warning
15.00 - 15.30	John Mathai NCESS	Evaluation of Western Ghats in Kerala and recognition of Landslide prone topography

-----15.30 – 15.45 Tea Break -----

15.45 - 16.15	Sukanto Roy Borehole Geophysics Research Laboratory	Evolution of Western Ghats: perspective from scientific deep drilling in the Koyna region, Deccan Volcanic Province, western India
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16.15 – 16.45 M. Radhakrishna
IIT, Mumbai On the causal link between evolution of the western margin of India and the Western Ghats – A geophysical perspective

Technical Session II: Western Ghats – A Climate Regulator

Chairperson: Dr. M. Samsuddin, Scientist G & Group Head, NCESS

16.45 – 17.15 Murali Das. S
Formerly of NCESS Lightning hazard and role of Western Ghats

16.15 – 17.45 Sidharthkumar
IITM, Pune Organization of Rainfall over Western Ghats and Myanmar Coast

17.45 – 18.15 POSTER SESSION

----- 18.15 – 19.30 Cultural Programme -----

----- 19.30 – 20.30 Dinner -----

Date: 02 January 2016

Technical Session III: Ecosystem dynamics - I

Chairperson: Dr. V.K. Dadhwal, Director, NRSC

9.00 – 9.30 N. P Kurian
Formerly of NCESS Coastal management in the climate change scenario with particular reference to west coast of India

9.30 – 10.00 V. K. Dadhwal
National Remote Sensing Centre NRSC activities on Land Use / Land Cover, Environment Monitoring & Forestry in the Western Ghats

10.00 – 10.30 M. Sekhar
Indian Institute of Science Kabini CZO: Hydrological Research Studies

10.30 – 11.00 Sunil K Singh
Physical Research Laboratory Weathering and erosion in the Western Ghats and geochemical and sedimentary fluxes to the adjacent seas

-----11.00 – 11.15 Tea Break -----

11.15 – 11.45 D. Padmalal
NCESS Geochemical fluxes through the small rivers of southern Western Ghats, India

11.45 – 12.15 P. R. Pujari
NEERI, Nagpur Geophysical Imaging for Critical Zone Studies

12.15 – 12.45 S. Goswami
NCMRWF, New Delhi Rainfall-Runoff and Snowmelt-Runoff Modeling for Narmada & Satluj River Basins

12.45 – 13.15 POSTER SESSION

-----13.15 – 14.00 Lunch -----

Date: 02 January 2016

Technical Session IV: Ecosystem dynamics - II

Chairperson: Dr. N.P. Kurian, Former Director, NCESS

14.00 – 14.20	Gurumurthy G.P. Manipal University	Weathering processes and fluvial geochemical transformation of weathered material in small west flowing rivers of the Western Ghats, South India
14.20 – 14.40	Tripti Muguli Manipal Institute of Technology	Hydrological perspectives on the western part of the Western Ghats, South India: a stable isotope investigation
14.40 – 15.00	Vinod P.G. GeoVin Solutions, Thiruvananthapuram	GIS based evaluation of areal and relief aspects in Southern part of Western Ghats
15.00 – 15.20	Ram Narayanan Bharatidasan University	Carbon stock estimation in Western Ghats Anaikatty Forest region in Coimbatore, Tamil Nadu, India

-----15.20 – 15.30 Tea Break -----

15.30 – 16.00 **Discussion & Summing up Session**

1. Prof. Somnath Dasgupta, Chair Professor, Jamia Millia Islamia
2. Dr. V.K. Dadhwal, Director, NRSC
3. Dr. N.P. Kurian, Former Director, NCESS
4. Dr. Kusala Rajendran, Professor, IISc
5. Dr. Virendra M. Tiwari, Director, NCESS
6. Dr. M. Samsuddin, Scientist G & Group Head, NCESS

16.00 **Vote of Thanks**