

**Lake 2016: Conference on Conservation and Sustainable Management of
Ecologically Sensitive Regions in Western Ghats
[THE 10TH BIENNIAL LAKE CONFERENCE]**



Purpose: 3rd day of Lake symposium is exclusively for students and teachers from Schools, Colleges and Universities. Awards will be given for best paper presentations (category wise) during Lake 2016. Workshops are being organized to train students and teachers to take active part in ecosystem mapping, inventorying and monitoring of biodiversity in the neighborhood. Study area could be the village (student/teachers respective villages). Details are available at

DOCUMENTATION OF WATER BODIES

<http://wgbis.ces.iisc.ernet.in/energy/lake2014/student-corner.php>

MY VILLAGE BIODIVERSITY DOCUMENTATION

http://wgbis.ces.iisc.ernet.in/energy/stc/my_village_biodiversity/index.htm

ENVIRONMENT MONITORING IN THE NEIGHBOURHOOD [WORKBOOK]

<http://wgbis.ces.iisc.ernet.in/energy/lake2014/teacher-student-corner/ETR77.pdf>

PRE-CONFERENCE WORKSHOPS

Workshop – Coastal Ecosystems (9-10 th May 2016)		
Date	Time	Workshop
9 th May 2016	9 – 11 am	Inauguration and keynote talk
	11-11 30 am	Tea
9 th May 2016	11 30 – 12 30 noon	Coastal ecosystem: Overview - Prof. M D Subash Chandran
	12 30-1 30 noon	Inventorying and mapping of coastal ecosystem Biodiversity - Dr. Prakash Mesta
	1.30 – 2 30	Lunch

PRE-LAKE 2016 CONFERENCE WORKSHOPS: 9-14 MAY 2016

	2 30 – 4 PM	Exploring diversity of Crabs, Sea weed, Birds, Fish .. - Ganesh Shet - Deepthi Hebbale - Shrikanth Naik Prakash Mesta
	4 – 4 30	Tea
	4 30 – 6.30	Water & Soil Quality Monitoring - Deepthi Hebbale - Sachin Hegde Water & Soil Quality Monitoring - Hands on Training
10 th May 2016	9 – 11 00 noon	- Interactive session with the participants
	11 30 - 5 PM	Demonstration in nearby estuary

Workshop – Terrestrial Ecosystems		
11 th May 2016	9 – 11 am	Terrestrial Plants – diversity, Monitoring and conservation aspects - M D Subash Chandran
	11 -11 30	Tea
	11 30 – 12 30	Mapping Natural resources (at Village level) - Prakash Mesta
	12 30 – 1 30	Inventorying, mapping of terrestrial biodiversity - Akhil - Vishnu D. Mukri
	1 30 – 2 30	Lunch
	2 30 - 3 30	Mapping – Q GIS - Prakash Mesta
	3 30 – 4	GPS - Akhil
	4 – 4 30	Tea
	4 30 – 6 30	Interactive session with the participants
12 th May 2016	9 am - 6 pm	Demonstration in nearby forests

PRE-LAKE 2016 CONFERENCE WORKSHOPS: 9-14 MAY 2016

Workshop – Wetland Ecosystems (12-14 th May 2016)		
12 th May 2016	9 am – 11 am	Algae – diversity: Insights Durga Madhab Mahapatra
	11-11 30 am	Tea
	11 30- 1 30	Water quality monitoring: need Physical and chemical parameters: Asulabha and Sincy
	1 30 – 2 30	Lunch
	2 30- 3 30	Macrophytes in aquatic ecosystems – Sudarshan Bhat
	3 30 – 4	Zooplankton - Sincy
	4 – 4 30 pm	Tea
	4 30 – 6 30	Soil nutrients assessment – Sachin Hegde
13 th May 2016	9-11 am	Avian diversity – Harish R Bhat
	11 – 11 30 am	Tea
	11 30-1 30 noon	Water quality monitoring - Asulabha, Sincy, Sudatsan Bhat (demo)
	1 30- 2 30 pm	Lunch
	2 30 – 4 pm	Identification of Algae – Durga Madhab Mahapatra
	4- 4 30 pm	Tea
	4 30 – 5 30 pm	Identification of Macrophytes – Sudarshan Bhat Identification of Zooplanktons - Sincy
	5 30- 6 30	Catchment Mapping and hydrology – Vinay
14 th May 2016	9 – 4 30 pm	Field Research – nearby water body

PRE-LAKE 2016 CONFERENCE WORKSHOPS: 9-14 MAY 2016

Workshop- Open Source GIS (Engineering College Faculty and Students) – 12 to 14 th May 2016		
12 th May 2016	9- 11 am	GIS and Remote Sensing: Principle and Applications
	11 11 30 am	Tea
	11 30- 130	Open source GIS – Overview - Bharath H Aithal
	1 30- 2 30	Lunch
	2 30- 4	Vector Data and analysis – QGIS - Bharath Settur
	4 – 4 30	Tea
	4 30- 6 30	Q GIS training - Bharath H Aithal - Bharath Settur - Vinay S
13 May 2016	9 – 11 AM	Creating Vector Data • Using GPS • Bhuvan/Google Earth - Bharath H Aithal, Vinay S, Bharath Settur
	11 – 11 30 AM	Tea
	11 30- 1 30 noon	Catchment Mapping (Netravathi) - Vinay
	1 30- 2 30	Lunch
	2 30- 4	Raster Data and analysis – GRASS Bharath H Aithal
	4 – 4 30 PM	Tea
	4 30 - -6 30	GRASS Training - Bharath H Aithal - Bharath Settur - Vinay S
14 May 2016	9-6 30	Collecting spatial data from field and analysis - Bharath H Aithal - Bharath Settur - Vinay

Lake 2016 Organising Committee Meeting

14 th May 2016	4 30- 6 30 PM	Discussion about Lake 2016 – organising the event and discussion regarding the role of members
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Note:

1. Participants - Teaching Faculty and Select Students
2. For each workshop faculty participants are to be selected (based on the faculty's interest and also willingness to guide students)
3. Participants could be from nearby education institutions (in addition to ALVA's)
4. Participants of these workshops will form mentors for students who take up studies at village level (respective student's village)
5. Students who collect field data, analyse and present during district level competitions will be short listed for Lake 2016
6. Concluding day of Lake 2016 is for the finalists of these competitions. Best student, teacher presentations will be given awards – SAHYADRI 2016
7. No plastic use during the event (for food, etc.)