

SYMPOSIUM ORGANISING COMMITTEE (SOC)

T.V. Ramachandra	CES & CST, Indian Institute of Science
N.V. Joshi	CES, Indian Institute of Science
M.D. Subashchandran	CES, Indian Institute of Science
C. Rajasekara Murthy	Environment Canada, Canada
Krishna Alluri	Commonwealth of Learning, Canada
H.N. Chanakya	CST, Indian Institute of Science
K.V. Gururaja	CES, Indian Institute of Science
H.S. Sudhira	CES and CST, Indian Institute of Science
A.R. Shivakumar	KSCST, Bangalore
Harish Bhat	CES, Indian Institute of Science
Karthick B.	CES, Indian Institute of Science
S. Shekar, IFS	CF, BBMP, Bangalore
R.K. Srivastav, IFS	DCF (Bangalore Urban), KFD
D. S. Umesh	Lake Development Authority, Bangalore
M. A. Khan	K.K. High School, Varthur
Snehalatha V. Kumar	Vidyaniketan Public School, Ullal, Bangalore

Queries regarding the Programme/Exhibition, should be addressed to**Dr. T.V. Ramachandra**, Convener, Lake 2008

Energy & Wetlands Research Group

Centre for Ecological Sciences, Indian Institute of Science

Bangalore 560 012, India

Tel: 91-080- 22933099 / 22932786 / 2293 2506 / 23600985 (Extn: 215/232)

Fax: 91-080- 23601428 / 23600683/ 23600085 [CES-TVJR]

E mail: lake2008@ces.iisc.ernet.in, cestvr@ces.iisc.ernet.in, energy@ces.iisc.ernet.in**Web:** <http://ces.iisc.ernet.in/energy>, <http://ces.iisc.ernet.in/biodiversity>

Lake2008: Conservation and Management of River and Lake Ecosystems 22nd-24th December 2008

Venue: Satish Dhawan Auditorium, Indian Institute of Science, Bangalore

ORGANISED BY

- Energy & Wetlands Research Group, Centre for Ecological Sciences (CES), Indian Institute of Science (IISc), Bangalore
- Centre for Sustainable Technologies (CST), Indian Institute of Science
- Commonwealth of Learning (COL), Canada
- Society of Wetland Scientists, Asia Chapter
- Karnataka State Council for Science and Technology (KSCST), Bangalore
- Karnataka Environment Research Foundation [KERF], Bangalore
- K.K. High School, Varthur, Bangalore
- Vidyaniketan Public School, Ullal, Bangalore 560 056

DATES TO REMEMBER

Submission of Abstract and Registration Form	18th October 2008
Acceptance of Abstract	6th November 2008
Receipt of Full Length Papers	16th November 2008
Notification of Acceptance of Papers (on web)	4th December 2008
Conference	22-24th December 2008

Conservation of natural resources through sustainable ecosystem management and development is the key to our secured future. The degradation of our environment is linked to continuing problems of land cover changes, deforestation, habitat fragmentation, pollution, indiscriminate disposal of liquid and solid wastes, and issues related to economic productivity and ecological security. The rapid unplanned urbanisation in many cities across the State and the construction boom in the private sector have fuelled the trend towards indiscriminate exploitation of waterbodies, unmindful of the consequences for future generations. These structural changes in the ecosystem due to land cover changes, will influence the functional aspects namely hydrology, bio-geo chemical cycles and nutrient cycling, which are evident in many regions in the form of conversion of perennial streams to seasonal and disappearance of water bodies leading to a serious water crisis. The impacts include riverbank slumping and caving, lowering of river channels, drastic reductions in catchment yield, soil compaction, reduced infiltration, flash floods, changes in riverbed configuration, undermining of engineering structures such as ridges, rise in turbidity, salt water ingress and lowering of the groundwater table. The biological impacts include dwindling of the biodiversity, habitat damage and loss of spawning grounds of aquatic organisms, reduction in inland fisheries resources and loss of vegetation. Currently, it is even more critical than ever before, for the humankind as a whole to have a clear understanding of environmental concerns and to follow sustainable development practices. This entails a locally initiated action plans to restore, maintain, or enhance water resources based on the principles of integrated watershed approaches considering all components of aquatic ecosystems. Formulation and implementation of action plans that best conserve aquatic resources requires an understanding of issues, concerns, and threats to water resources are identified, and cause and effect relationships. Approaches towards this direction include:

- Fostering participation of all stakeholders to ensure that individuals and organizations are provided an opportunity to participate in the development of aquatic resources conservation activities;
- Encouraging intergovernmental initiatives through partnerships between communities and non-profit organizations;
- Identifying significant natural, recreational, economic, cultural, scenic resources and aquatic ecosystem values
- Identifying potential threats to aquatic resources and values
- Recommending policies and actions that can be undertaken to restore, maintain or enhance aquatic resources.

In this backdrop, Lake 2008 focussing on Conservation and Management of River and Lake Ecosystems would bring in awareness among school students, teachers and public. The main objective of the symposium is to bring out the current trends in ecosystem conservation, restoration and management including the hydrological and the biophysical aspects, the peoples participation and the role of non-governmental, educational and the governmental organisations and future research needs for restoration, conservation and sustainable management. This also provides a forum for researchers, technologists, economists, sociologists and others to meet and discuss water related issues. This symposium will:

- introduce the major types of ecosystems - characteristics, diversity and importance;
- describe the main physical and biological processes important in several major types of ecosystems, and their consequences for community structure and function;
- determine how the process and institutional innovations are embedded in the bio-physical context and characteristics of water, and how the technologies also get shaped by and operate in as part of social and institutional processes and contexts;
- outline some problems of management and conservation in terrestrial and aquatic ecosystems.

SCOPE

Lake 2008 would focus on Conservation and sustainable management of river and lake ecosystems to bring in awareness among school students, teachers and public. This would provide a platform for interaction among researchers, policy makers, academic, researchers and NGOs and address the issues related to conservation and management of ecosystems. This would help in developing a stronger network among experts and institutions in order to achieve modalities for efficient management of water (used for domestic, agricultural and industrial purposes), especially in rural and urban contexts of water resources in India As a part of the symposium it has been decided to have paper presentations, presentation of poster and models from school and college students. The schedule of the programme is as follows:

Date	Morning Session	Afternoon Session
22-Dec-08	9:30 am to 10:00 am—Inauguration. 10:00 am to 11:00 am—Guest Lecture. 11:00 am to 1:30 pm—Paper Presentation by key speakers.	2:00 pm to 3:00 pm—Expert Lecture. 3:00 pm to 6:00 pm—Paper Presentation by key speakers.
23-Dec-08	9:30 am to 10:30 am—Expert Lecture. 10:30 am to 1:30 pm—Paper Presentation by college and university faculty	2:00 pm to 2:45 pm—Expert Lecture. 2:45 pm to 6:00 pm—Paper Presentation by college and university faculty
24-Dec-08	9:30 am to 1:30 pm—Lectures by school and college students and teachers, invited lectures.	2:00 pm to 3:00 pm—Evaluation of Posters 2:00 pm to 4:00 pm— Panel discussion 4.00 pm to 6.00 pm – Concluding session, Valedictory Programme.

TOPICS

Papers are invited on the following themes from school and college students (VIII – XII students), school and college teachers, researchers, planners, development managers, economists and social scientists. Topics for Paper Presentation/ Poster in Lake 2008:

1. Lakes, rivers, estuaries: water quality, biotic resources, conservation, restoration, management.
2. Coastal ecosystems: Biodiversity, Livelihood aspects, Conservation
3. Land and water interactions
4. Biodiversity
5. Conservation, Restoration and Management of Ecosystems
6. Environment—Monitoring and Management.
7. Pollution: Water—Consequences and Remedial Measures.
8. Urbanisation—Impacts on ecosystems.
9. Climate change and water resource
10. Energy, Ecology and Environment
11. Solid Waste Management—Approaches (at home, city, State).
12. Environmental Education

There are **three awards in each category**— High School (VIII, IX, X): College (XI, XII and UG): Teachers. Awards for the best paper presentation would include a Certificate and a Memento. The best posters would be similarly, awarded.

REGISTRATION FEE

The organising committee has decided to waive registration fee to students and teachers (school/college/UG) and all individuals whose papers are accepted for presentation in the technical session. The registration fee for individuals from industry, government and those who wish to participate in the symposium are required to pay Rs.1000 (and for accompanying person: Rs.500) along with registration form by demand draft, drawn in favour of "Lake 2008, Indian Institute of Science" payable at Bangalore. The registration fee would include registration kit, working lunch and tea during the symposium. Accompanying person will have access to all technical sessions and hospitality as per delegates except registration kit.

EXHIBITION

An exhibition of software and hardware related to Restoration and Monitoring technologies, Water quality analysis, Geographic Information System (GIS), Global Positioning System (GPS), Remote sensing, Image processing and Cartography, as well as products and services of other organizations and agencies working in the area related to the theme of the conference, will be organised. Organisations / Agencies can participate in the exhibition on payment of fee of Rs.10, 000. Registered agencies would be allowed to make 15 minutes presentation. Interested agencies may contact Dr. T.V. Ramachandra and remit the fee through DD drawn in favour of "**Lake 2008- Conservation and Management of River and Lake Ecosystems**" payable at Bangalore

GUIDELINES FOR PAPER PREPERATION

The full text paper (e-version preferably in a CD and one hard copy) formatted to A4 (210 mm x 297 mm) size, after having been scrutinized and accepted, will be printed as received, by offset process. Therefore, the text of the paper in English must confirm strictly to the following requirements and be free from errors.

Top/bottom margin	25mm (on first page 35mm)
Left/right margin	25mm
Typing area	160 mm x 247 mm (including folio), single space single column
Total pages	8-10 pages including figures, tables, photographs, etc., if any.
Font type	Helvetica/Times Roman/Courier
Title	14 point BOLD CAPITALS
Author's Name	12 point Bold Upper-Lower (Do not prefix name with/Ms./Dr./Prof.)
Affiliation (designation, organisation and place)	11 point italics
Main headings	10 point BOLD CAPITALS
Subheadings	10 point Bold Upper-Lower
Text	10 point normal
Print	Laser Print or letter quality

The paper title, name(s) of author(s), affiliation and address, centre justified, should be typed in a space of 50 mm from the top margin on the first page. The paper should begin with a synopsis of not more than 200 words describing the aim(s) of the work, methods, results obtained and conclusions. Type the headings, subheadings and paragraphs aligned with the left-hand margin. Text justified on both sides is preferred. Use double space between paragraphs, and between section headings/subheadings and paragraphs. Do not number paragraphs, but number section and sub-sectional headings except synopsis, in conformity with established convention. The manuscript should be prepared by using MS Word (suitable for Windows). Figures should be drawn in black Indian Ink on translucent paper or acetate material (Gateway Tissue) with lettering of appropriate size using stencils. The figures should be placed nearest to the first reference in the text. Photographs on glossy paper may be included, if absolutely necessary. The authors must send brief bio-data (100 words) and the recommendations that they would like to be considered as a part of the conference based on their presentations.

REGISTRATION

- Name _____
- Designation _____
- Address _____

- Telephone/Fax Nos. _____
- E.Mail _____
- Telegraphic Address _____
- Presenting Paper Yes / No
Poster Yes / No
- Title of the paper

Enclosed: Abstract / Paper (e –version and hard copy):
(Please ensure CD is virus free)

9. Accommodation Required: Yes / No if yes: Hotel / Hoysala House (IISc campus)

10. Arrival at Bangalore Date _____ and Time _____

Details of Registration fee: Amount _____ Details of Demand draft: _____

Details: Train / Flight _____ Place and Date: _____

Date: _____ Place: _____

Signature

ACCOMMODATION AND TRAVEL

Key speakers and invited delegates would be accommodated at IISc Main guest house. Delegates whose paper is accepted for technical session will be accommodated at Hoysala house / hotel on first come first serve basis. Delegates requiring accommodation need to mention the requirement in the registration form. Room rent is required to be paid by the delegates as per the tariff in Hoysala house or hotel. All delegates will have to make their own travel arrangements.