



Department of Environmental Sciences
University of Kerala



ECEI-2019
March 14 & 15

National Seminar on
Environmental Status of Estuarine
and Coastal Ecosystems in India
[Focus meeting of Estuarine and Coastal Sciences Association]

Funded by
Kerala State Council for Science, Technology and Environment
Dept. of Environment and Climate Change, Govt. of Kerala
Kerala State Higher Education Council
University of Kerala



Background

India has a coastline of 7,516 km and nearly 250 million people live within a distance of 50 km from the coast. The coast is indented by a number of rivers, which form estuaries at their confluence with the sea. Thus the complex coastal ecosystems comprise of estuaries, lagoons, mangroves, backwaters, salt marshes, mud flats, rocky shores and sandy stretches.

The frequent occurrence of coastal disasters as a result of climate change has many impacts in terms of human lives lost, destroyed infrastructure, ecological damage, disrupted social networks, displaced coastal fishing communities from their traditional living and occupational spaces.

Though human impacts on marine and coastal biodiversity are less understood and publicized than those on its terrestrial counterpart, their potential effects are no less threatening. The major direct threats to marine and coastal biodiversity can be divided into five interrelated categories: pollution (from land based and other sources), over exploitation of marine living resources, introduction of alien species, habitat degradation caused by coastal development, and global climate change and ozone depletion. Recognition of the scale of problem, the nature of the underlying causes, and the limited resources available to counteract powerful destructive trends will definitely lead to a best way of conserving the coastal ecosystems of India. The seminar will evaluate the problems and suggest appropriate methods to slow down the current pace of deterioration.

Department of Environmental Sciences, University of Kerala

The Department of Environmental Sciences under the Faculty of Applied Sciences & Technology was established in 1995 as a teaching-cum-research department under University of Kerala, accredited with NAAC 'A' grade.

The department has facilities for undertaking research work in Environmental Biology, Environmental Microbiology, Environmental Chemistry, Environmental Toxicology and Environmental Geology. The department has Young Scientist/Women scientist program funded by DST/KSCSTE. Significant number of international research collaborations were also made under different programs and schemes.

For more, please visit:

<https://www.keralauniversity.ac.in/dept/deptHome.php?deptID=13&mlID=2>

Estuarine and Coastal Sciences Association

ECSA is an international organization with a vision to generate multi-disciplinary knowledge required for the sustainable management and use of global estuarine and coastal ecosystems. ECSA conducts conferences, workshops, symposiums and seminars in various countries. The recent major events were ECSA-57 in Perth, Western Australia and ECSA-56 in Bremen, Germany. These events were attended by more than 500 delegates including scientists, students and researchers from various parts of the globe. The highlight of the ECSA is the awards and travel grants offered in the conferences to its members. For more details, log on to <https://ecsa.international>

Themes

- Physio-chemical and biological processes in coastal ecosystems
- Coastal hydrogeochemistry
- Biogeochemistry and greenhouse gas production
- Anthropogenic stresses and pollution
- Natural disasters in coastal systems
- Effects of climate change and sea level rise in coastal ecosystems
- Resource management
- Ecosystem services
- Economic valuation of coastal ecosystem
- Blue carbon: Carbon storage potential of Coastal wetlands

The extended abstract must be prepared as per the template attached along with the brochure. The abstract and completed registration form should be sent to eceiuok@gmail.com before the submission deadline.

Abstract submission : 15.01.2019

Notification of acceptance: 30.01.2019

Registration deadline: 05.02.2019

There is no registration fee for participation in the seminar. No financial support will be provided to the participants for travel and accommodation.

Keynote Address



Professor Eric Wolanski

Adjunct Professor

James Cook University

Australia

[Erudite Scholar, University of Kerala]

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