

ECOCASD 2023

7th International Conference on Ecosystem Conservation and Sustainable Development

Theme:

Aquatic Resources for Sustainable Aquaculture Development

20-21 June, 2023

ORGANISED BY

Centre for Aquaculture Research and Education (CARE) &
Dept of Aquatic Sciences, Fisheries and Aquaculture (ASFA)
College of Natural and Computational Sciences
Hawassa University

IN ASSOCIATION WITH

Auburn University, College of Agriculture, Alabama USA
World Aquaculture Society,
World Aquaculture Society, African Chapter
Mississippi State University, Global Centre for Aquatic Health & Food Security
Ethiopian Ministry of Agriculture, Addis Ababa

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Sebeta Fisheries and Other Aquatic Life Research Centre
Sidama Regional Livestock Resource Development Bureau
Southern Agricultural Research Institute
Batu Fishery Research Centre
Bahir Dar Fisheries & Other Aquatic Life Research Centre, Ethiopia
Society for Advancement of Biological Sciences, India
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BACKGROUND

Malnutrition remains one of the serious health problems and affects a great majority of people in developing nations. It is reported that developing countries account for 98% of the world's undernourished people. Although capture fisheries can contribute to fish production to some extent, it is only aquaculture that can significantly contribute to fish production. Aquaculture is the fastest growing agricultural industry with an average annual growth rate of 8.8% in the last three decades. It is rapidly developing all over the world especially in developing nations and it contributed to food and nutrition security, income generation and poverty alleviation in many countries. Nearly 50% of the global fish consumption currently originates from aquaculture. World aquaculture production attained all-time high in 2020 at 87.5 million tons. Considering the human population rise, which is expected to reach 9.3 billion in 2050, it is paramount that aquaculture production rate needs significant acceleration through new and improved technologies and new directions to aquaculture. Its importance has been seriously felt and this is evident from the organization of a series of international and national conferences worldwide. FAO and World Aquaculture Society (WAS) are playing major roles in promoting aquaculture by opening regional centers in different countries to give maximum thrust and encouragement to develop and promote aquaculture in every region. After NEPAD declaration, certain African countries, such as Egypt, Nigeria, Ghana, and South Africa, have started practicing aquaculture in a more scientific manner and this sector is now growing rapidly. In Ethiopia, aquaculture is still in its infant stage although the country has rich water and species resources. To promote aquaculture, the country has developed the National Aquaculture Development Strategy and started fisheries and aquaculture education at B.Sc, M.Sc and Ph.D levels in some universities. It is in this direction, organization of an international conference is timely and this would help Ethiopia to develop aquaculture in a sustainable manner. The deliberations and discussions of the international conference would greatly motivate scientists, students, farmers, policy makers and administrators to give major thrust to aquaculture to increase aquaculture production and productivity.

SCOPE

The three-day international conference would provide a platform for interaction among researchers, scientists, policy makers, academics and NGOs on aquatic resources and aquaculture development so far made and future research needs that would help increase the production, thereby, ensuring food security. Paper and poster presentations are also incorporated in the conference along with expert lectures. This would help in developing a strong network among experts and institutions in order to concentrate on developing new strategies to improve resource base for improving the livelihood status of rural people.

OBJECTIVES

- To evaluate the recent developments made in aquaculture technology
- To identify future thrust areas of research in aquaculture
- To identify the constraints involved in advanced research in aquaculture

THEMATIC AREAS

Inland and coastal fisheries
Craft and gear technology
Ecosystem health assessment and monitoring
Eco-restoration & technological interventions
Invasive species & environmental degradation
Aquaculture species & system diversification
Fish breeding and genetics

Water quality in aquaculture
Bloodstock and hatchery management
Fish nutrition and health management
Aquaculture and environment
Aquaculture education and extension
Socio-economics in fish production value chain
Aquaculture business and policy

ABOUT CARE

The Center for Aquaculture Research and Education (CARE) was established in 2015 in order to cater research and education to different stakeholders. The center provides community services to develop sustainable and diversified aquaculture for enhancing fish production, quality water use efficiency, farm income and impact creation in collaboration with SMART partnerships. It undertakes and facilitates aquaculture and related research and provides scientific advice to assist the development of aquaculture in the country. CARE expands its activities by establishing MoUs with institutes of eminence in different countries.

ABOUT SABS

Society for Advancement of Biological Sciences (SABS) is a recognized scientific society established in Bangalore, India with the aim of enhancing capacity in academia, research and community development. The society was established by academicians in science and technology to popularize scientific ideas and technological innovations among students and general public along with encouraging scientific research activities. It conducts series of lectures, training programs, conferences at national and international level regularly and encourages participants by presenting awards in different categories. So far, the society has conducted/co-sponsored six international conferences. The conferences are being held once in every two years in different countries. At times, the conference is conducted through a number of special symposia in different universities.

Organization of the Conference: The conference will be conducted in parallel sessions. There will be plenary lectures followed by paper presentation. All logistics necessary for oral and poster presentation will be made available to the presenters.

Participants: Teachers and researchers from academic and research institutions may send and present original research papers. Administrators and policy makers are encouraged to participate in the conference. The conference will invite subject experts to deliver invited presentations. Opportunity will be provided to policy makers and administrators to share their experiences in the conference.

Publication of full paper: All submitted papers will be peer reviewed and the proceedings of the conference will be published as proceedings of the conference, indexed by Scopus, Web Science and Google Scholar.

Student Best Paper Presentation Awards

Two **Best Student Paper Presentation Awards** will be selected from eligible student presentations. The awards will include a certificate and a free student membership with the World Aquaculture Society and African Chapter. Those who are Interested are required to apply for this award when submitting the abstract.

WAS Membership

Interested Participants may join as Members of WAS-African Chapter by filling out a membership application and paying US\$45/yr. WAS members are eligible to access the Journal of World Aquaculture and the World Aquaculture magazine electronically.

Learn more at <https://www.was.org/>.

Young Scientist and Senior Scientist Awards:

ECOCASD 2023 offers **Young Scientist** (Oral/Poster) and **Senior Scientist Awards** or best paper presentation. The award consists of certificate of appreciation with a conference memento. The recipients should not be more than 35 years (Young Scientist) and 50 years (Senior Scientists) of age as on June 2023. Interested candidates may submit an abstract and full paper together with age proof certificate before the last date of submission of abstracts.

Fellowship: The society for Advancement of Biological Sciences, Bangalore, India offers the Society Annual Fellowships for eminent scientists who are working in the field of Biological Sciences. The fellowship includes conference memento and a Citation.

Abstract submission: Abstract must not exceed 500 words and contain precise information with introduction, objective, methodology, highlights of results and conclusion. The submission starts on 20 March 2023 and ends on 20 May, 2023. It can be submitted to:

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online website linked with:

<https://www.hu.edu.et/>

Registration

Registration Type		Fee
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	Students	USD 150
Local	Regular	Br. 2500
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