



THREE-IN-ONE SCIENTIFIC EVENT
DURING THE 2022 CATANDUNGAN FESTIVAL

BIOME7-SEDTEC3- 2022 Sea Research Symposium of Catanduanes State University

18-20 October 2022

Venue: ARDCI Corporate Inn, San Roque,
Virac, Catanduanes, Philippines

WELCOME!

Catanduanes State University (CatSU) is pleased to announce the return of the Philippine National BIODIVERSITY MEETING (BIOME) on its seventh series under the auspices on the Commission on Higher Education (CHED) National Agriculture and Fisheries Extension System (NAFES) Program ACE-HEMS (Academe for Community Empowerment through Holistic and Ecosystem-Based Approach for Mangrove Crab Sustainability).

Together with BIOME7, the Third National Conference on Science, Education & Technology (SEDTEC3) and the 2022 Sea Research Symposium (SRS) are being organized – live and in-person, on October 18-20, 2022 in ARDCI Corporate Inn in San Roque, Virac, Catanduanes island, Philippines.

BIOME7-
SEDTEC3-2022
Sea Research
Symposium
Scientific Steering
Committee

Dr. Patrick Alain T. Azanza (SUC President III, CatSU)

Dr. Jimmy T. Masagca (Professor VI, CatSU; National Expert,
Climate Change Commission, Phils.)

Dr. Kristian Q. Aldea (Dean, College of Science, CatSU)

Professor Estrella T. Tribiana (Professor III, Chairperson, Natural
Science Department, CatSU)

A/Prof. Ma. Jugie R. Ramos (Dean, College of Agriculture &
Fisheries, CatSU)

Dr. Jennifer A. Berces (Associate Professor, CatSU PC; Project
Leader, ACE-HEMS)

Dr. Josephine C. Marasigan (Professor I, Eastern Samar State
University)

Dr. Richard Dumilag (Associate Professor, Sorsogon State
University)

Dr. Preciosa Corazon Pabroa (Chief, Research Division, DOST-
PNRI)

Engr. Raymond J. Sugang (Senior Science Specialist, DOST-PNRI)

Scientific Meeting, Conference and Symposium Coordinators

Dr. Pio G. Pantí Jr.
Dr. Rene Arisapa
A/Prof. Christian Cabiles
A/Prof. Nemuel Borromeo
Engr. Johnmar Cordial
Engr. Jhomann U. Socito
A/Prof. Eduardo Peña
A/Prof. Ma. Luz Floralde
Ms. Jhoana Socito
Ms. Recie Bonaos
Mr. Joshua Karl Bista
Ms. Kris Mediarío
Mr. Nediél Vaughn Masagca

SECRETARIAT

Chair: Dr. Jimmy T. Masagca
Co-Chairs: Dr. Jennifer A. Berces, Dr. Pio G. Pantí Jr.
Members: Czarina Salameña,
Ma. Christine Tanael (Accommodation)
Mark Lorenz S. Trinidad,
Mark Joven Dasigan(Registration)
Edwin Teves, Kenneth Tuplano,
Mark Paul Rojas (Platform Presentation & Technical)
Leonil Ariel M. Pantí, Lizette Litong (Food and Guests)
Edgardo Argarin,
Jefferson Beo (Transportation & Physical Facilities)

scientific meeting, conference & Symposium Structure

This event will consist of:

- Keynote Speeches (Academician Rhodora V. Azanza (for confirmation), President of the National Academy of Science and Technology (NAST), Philippines; and Dr. Bharat Soni, Global Link (USA) & PAEPI Global (Philippines)
- Plenary Sessions (BIOME7, SEDTEC3 and 2022 Sea Symposium)
- Contributed Papers as Lightning and Elevator Talks (maximum of 8-10 minutes) will follow each Plenary Session
- Case Presenters on Mangroves and Coastal Wetlands Conservation
- SEDTEC3 Teachers Workshops may be submitted to the Scientific Committee. Schedule of the Workshops will be in the Evening Sessions after Dinner (at 7:30 to 9:30 p.m.)
- Post -BIOME7-SEDTEC3 and 2022 Sea Symposium will be announced during the Event and Field Trips will be in the Twin Rock Beach Resort, Virac Marine Sanctuary in Barangay Marilima and other coastal barangays in Virac; and San Andres, Catanduanes
- Posters and Institutional Exhibits for the entire event will also be available upon request and by contacting the Secretariat and to be dedicated at specified areas at the Sky Deck of ARDCI Executive Inn at the 6th Floor
- Depending on the bulk of papers, Concurrent Sessions will be arranged, if this would be possible in the 3-in-1 event.

Registration

FREE (NO REGISTRATION FEE). Participants are urged to pay their own accommodation in affiliated Hotels, Inn and Lodging Houses at the vicinity of the venue in ARDCI Executive Inn, San Roque Street, Virac, Catanduanes

Pre / Register

As early as possible, for planning this event more efficiently, participants must register early until October 10, 2022 by emailing your 250-word Abstract (for presenters): Name of Author/s, Title of Presentation, Affiliation with Contact address.

The BIOME Secretariat
Rm. 204 2/F Science Laboratory Building, College of Science
Catanduanes State University
Calatagan, Virac 4800, Catanduanes, Philippines
CP # 09307549069
E-mail: jtmasagca27@gmail.com

Pre-registration does not require payment for the accommodation, but attendees must make reservations for the ARDCI Executive Inn and other affiliated hotels, lodging houses and dormitories, the earliest possible time. However, early registration will add your record to our database (for Book of Abstracts, Name Tags, etc.).

A FREE PASS (includes food, handouts, handbook, name tags, etc.) to the sessions and workshops will be given to the pre-registered participants until October 10, 2022.

Abstracts

Sessions (Scientific Meeting, Conference and Symposium will include invited and contributed papers. Contributed papers will be selected for oral or poster presentations.

Abstract Acceptance Notification

Submitters should receive notification emails from the Secretariat regarding the acceptance of their abstracts (as oral or poster presentations). Cellular phone No. 09307549069

FOCUS OF THE 3 - IN - 1 EVENT - BIODIVERSITY, CLIMATE & SUSTAINABLE FOOD SYSTEMS

BIOME7: Local Climate Change Solutions for Coastal Wetlands and Sustainable Seafood Production in the Intertidal Coasts of the Shelf Seas of the Philippines

Convenors: Dr. Jimmy T. Masagca (CatSU), Dr. Preciosa Corazon Pabroa (DOST-PNRI), Engr. Raymond Sucgang (DOST-PNRI)

Entering on its 7th series in 2022, BIOME was the first and only national conference (started in 2010) in Catanduanes, Bicol Region, Luzon, Philippines to focus exclusively on the challenges of marine and freshwater conservation, sustainable aquatic livelihoods, climate change actions, food security and sustainable food systems and continues to expand on that mission. The meeting will continue to focus and build on the challenges that academic institutions or higher education institutions are working on “Biodiversity, Climate Change, Sustainable Development, Environmental Innovation, Political Ecology and Social Representations in Nature Conservation”.

BIOME7: Local Climate Change Solutions for Coastal Wetlands and Sustainable Seafood Production in the Intertidal Coasts of the Shelf Seas of the Philippines



topics

- Biodiversity and Conservation Science
- Climate Change Science and Sustainability Science
- Community-Based Freshwater and Marine Conservation
- Marine Protected Areas (MPA) and Community Protected Marine Spaces (CPMS)
- Coastal Oceanography and Wetlands
- Coastal Biology and Small Pelagic Fishes in the Shelf Seas
- Coastal Governance and Mangroves Conservation
- Coastal Marine Social Science and Marine Policy
- Coastal Livelihoods, Aquaculture, Small Scale Fisheries
- Ocean Science Education, Marine Fisheries Education
- Stable Isotopes in the Ridge, Rivers and Reefs
- Biodiversity in Abaca, Rice fields and Mangroves
- Trophic Ecology of Crabs, Fish, Shrimps and Seaweeds
- Circular Agriculture and Disruptive Technologies in Aquaculture
- Hydroponics, Aquaponics and Integrated Multi-trophic Aquaculture (IMTA)

FOCUS OF THE 3 - IN - 1 EVENT - BIODIVERSITY, CLIMATE & SUSTAINABLE FOOD SYSTEMS

SEDTEC: Climate Change Effects on Land, Water and Biodiversity: Holistic Education, Gender, Human Rights and Social Representations

Convenors: Dr. Jimmy T. Masagca (CatSU), Professor Estrella T. Tribiana (CatSU), Dr. Josephine C. Marasigan (Eastern Samar State University)

Third National Conference on SEDTEC3 in 2022 brings together teachers (elementary/high school/tertiary), researchers, scientists, technologists, engineers, industry researchers and scholar students to exchange and share their experiences and research results about all aspects of Climate Change Effects on Land, Water and Biodiversity. Experiences and research on the SEDTEC of Climate Change and for Agriculture, Business, Engineering and the Social Sciences are covered in this conference. Discussions may cover even the research areas of gender, human rights, social Philosophy, Classical History, Arts, Divinity and Religious Studies.

FOCUS OF THE 3 - IN - 1 EVENT - BIODIVERSITY, CLIMATE & SUSTAINABLE FOOD SYSTEMS

SEDTEC3 invites attendees to explore into the issues which teachers, researchers, scientists, technologists, businessman, public servants and community workers face the world over-improving efficiency and effectiveness in finding solutions for the Climate Change Effects on Land, Water and Biodiversity for consideration in the classroom, in research, in enhancing service quality in schools, tele-centers, libraries, museums, community service, public policy and governance, etc.

Moreover, SEDTEC3 attendees are expected to integrate theory, concepts, methods and practical experience as exemplars so that over-all enhancement is achieved. This conference aims to promote, the roles played by the different sectors in developing and enriching individuals, communities and societies through Climate Change Science, Education and Technology. In the said aims, SEDTEC3 through CatSU spearheads in providing a unique experience in developing the countryside towards a scientific and “telematic” culture or “wired” schools, colleges, universities, local government units (LGU), NGOs, POs, business centers, industries and other service-oriented institutions found in remote areas.

SEDTEC: Climate Change Effects on Land, Water and Biodiversity: Holistic Education, Gender, Human Rights and Social Representations



topics

- Climate Change Science Education
- Climate Change Communication
- Climate Change Technologies for Land and Water
- Climate Change and Biodiversity and Agriculture
- Science and Education during Covid-19 Pandemic
- Advances in CC Science Teaching and Learning
- Advances in CC Science and Technology Management
- Climate Actions on Story-Telling for Eco-Literacy
- Climate Change for Arts Teachers: Fun and Learning with Climate Change Technology
- Tele-Teaching/Telemedicine in Health Sciences
- e-Marketing and Global Marketing
- Calculators in Mathematics and Physics Education
- Conventional Internet Genre in Teacher Education & Student Teaching Programs
- Exemplars in Educational Technology and Multimedia Education
- Technology in Museums, Telematic Libraries or Clearinghouse of Information
- Technology in Governance: e-Governance and i-Governance
- Philosophy, Religion & Technology
- Exemplars in e-Learning and Distance Education
- Trends in e-Commerce, e-Business & e-Services
- Transformative Education and School Leadership
- Technical-Vocational Courses on Computers and IT
- Telecenters, Education and Outreach Programs
- Policy & Laws on ICT, IT Education and Intellectual Property
- Open Journal Publications & Retrieval of Digital Documents for Research

FOCUS OF THE 3 - IN - 1 EVENT - BIODIVERSITY, CLIMATE & SUSTAINABLE FOOD SYSTEMS

2022 Sea Research Symposium (SRS): Biological Sustainability of Marine Ecology and Economics

Convenors: Dr. Jimmy T. Masagca, Dr. Kristian Q. Aldea (CatSU) and Dr. Richard Dumilag (Sorsogon State University)

Marine biodiversity refers to the variety of life in the ocean and seas. It is a critical aspect of sustainable developments and supports the healthy functioning of the planet, and provides services that underpin the health, well-being, and prosperity of humanity. This symposium supports the special issue Elsevier's Journal of Sea Research with the special issue focus on conservation and the sustainable use of marine biodiversity, based on the ecosystem and precautionary approaches, principles of inclusiveness and equity, and the need to deliver multiple benefits for ecosystems and communities. Related research is all welcomed.

FOCUS OF THE 3 - IN - 1 EVENT - BIODIVERSITY, CLIMATE & SUSTAINABLE FOOD SYSTEMS

Marine Ecology is focused on how organisms interact with each other and the environment. It is the main branch of ecology, but also marine biology. In no other realm is the importance of biodiversity for sustainable development more essential than in the ocean. Marine biodiversity, the variety of life in the ocean and seas, is a critical aspect of sustainable developments and supports the healthy functioning of the planet, and provides services that underpin the health, well-being, and prosperity of humanity.



topics

- Marine ecosystem and climate change
- Marine habitats and ocean currents
- Marine biology and technology
- Intelligent monitoring technology of marine environment
- Marine economic growth and industrial structure optimization
- Ocean energy economic efficiency and energy environmental performance
- Sustainable smart ports and smart coastal cities
- Environmental regulations and green technology in coastal cities
- Maritime silkroad and marine tourism economy
- Joint development of marine industry and regional economy
- Port infrastructure, port efficiency, and urban trade development

Publication and SUPPORTING JOURNALS

<https://journals.elsevier.com/journal-of-sea-research/forthcoming-special-issues/biological-sustainability-of-marine-ecology-and-economics>



Special Issue: Biological sustainability of Marine Ecology and Economics

Marine biodiversity refers to the variety of life in the ocean and seas. It is a critical aspect of sustainable developments and supports the healthy functioning of the planet, and provides services that underpin the health, well-being, and prosperity of humanity. This special issue focus on conservation and the sustainable use of marine biodiversity, based on the ecosystem and precautionary approaches, principles of inclusiveness and equity, and the need to deliver multiple benefits for ecosystems and communities. Related research is all welcomed.

Guest editors:

Professor VI, Jimmy T. Masagca

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Publication and SUPPORTING JOURNALS

Special issue information

Marine Ecology is focused on how organisms interact with each other and the environment. It is the main branch of ecology, but also marine biology. In no other realm is the importance of biodiversity for sustainable development more essential than in the ocean. Marine biodiversity, the variety of life in the ocean and seas, is a critical aspect of sustainable developments and supports the healthy functioning of the planet, and provides services that underpin the health, wellbeing, and prosperity of humanity.

The oceans have benefited human beings in countless ways; nevertheless, coastal areas and oceans around the world are facing severe challenges. Scientific efforts to properly develop ocean resources, decelerate climate changes and address the problem of plastic wastes in oceans have played a significant role in improving the ocean ecology. When developing marine resources, governments need to consult professionals and experts to avoid negative impacts on the ocean ecology. Governments around the world are doubling their efforts to reduce the impact of problems like climate change, overfishing, and pollution on the marine and coastal ecology.

Thus, pressures that adversely impact marine biodiversity also undermine and compromise the healthy functioning of the planet and its ability to provide the services that we need to survive and thrive. Moreover, as demands on the ocean continue to rise, the continued provisioning of these services will be critical. The consequences of biodiversity loss are often most severe for the poor, who are extremely dependent on local ecosystem services for their livelihoods and are highly vulnerable to impacts on such services.

It is of great importance to take an integrated and holistic approach to conservation and the sustainable use of marine biodiversity, based on the ecosystem and precautionary approaches, principles of inclusiveness and equity, and the need to deliver multiple benefits for ecosystems and communities. In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on sustainable marine ecology and the economics of marine resources.

Publication and SUPPORTING JOURNALS

Manuscript submission information:

You are invited to submit your manuscript at any time before the submission deadline. For any inquiries about the appropriateness of contribution topics, please contact the managing guest editor, Professor. Zhenling Liu via zll.haut@gmail.com.

The journal's submission platform (EditorialManager®) is now available for receiving submissions to this Special Issue. Please refer to the Guide for Authors to prepare your manuscript, and select the article type of “VSI: Biological Sustainability” when submitting your manuscript online. The submission deadline is November 30, 2022. Both the Guide for Authors and the submission portal could be found Guide for authors - Journal of Sea Research - ISSN 1385-1101 (elsevier.com).

Other Journals



Dr. Jimmy Masagca, Editorial Board Member

Dr. Jimmy T. Masagca, Chief Editor

Venue

The 3-in-1 Event will take place at the ARDCI Corporate Inn in Virac, Catanduanes, Philippines .

https://www.tripadvisor.com/Hotel_Review-g951370-d6930068-Reviews-ARDCI_Corporate_Inn-Virac_Catanduanes_Bicol_Region_Luzon.html

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San Roque Street 4-6th Floor, ARDCI NGO Building, Virac, Luzon 4800 Philippines



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**18-20 October 2022 in
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Philippines**

CONTACT US:

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