



**PACIFICTECH Research, Training, Innovation and Collaboration  
for Community Engagement, Sustainable and Safe Environment  
SEC Reg CN202004792**

**Call for Abstracts & Registration**

**2014 International Graduate Student Research Symposium on Biodiversity, Islands, Culture & Society (Bioislandcultures)**  
**4<sup>th</sup> Philippine National Biodiversity Meeting (BIOME4)**  
**Second National Conference on Science, Education & Technology (SEDTEC2)**

**October 20-22, 2014, Catanduanes Island, Philippines**

**DETAILED DESCRIPTION OF THE SCIENTIFIC EVENTS:**

**1. Three- in- One Science Event**

*Bioislandcultures* stands for *Biodiversity, Islands, Culture and Society* which seeks to provide an understanding of the global significance of biological diversity in small and sustainable islands vulnerable to the various natural disasters like typhoons, tidal surges, tsunamis, volcanic eruptions and earthquakes that will have impacts on the human populations and the unique flora and fauna in coastal and upland communities. For 2014, the first *International Graduate Student Research Symposium on Bioislandcultures* will focus on Biodiversity and Productivity in Abaca (*Musa textilis*) Farms, Mountain Streams, Rivers, Estuaries and Wetlands (REWS) of the coastal areas.

*Bioislandcultures* is a platform of providing intellectual exchange and dialogues among teachers, researchers (undergraduate and graduate students), scientists, environmental practitioners, local leaders, women, youth, and other sectors of the changing coastal and upland communities in small islands in the Philippines and the different countries of the world. *Bioislandcultures 2014* deliberately places in this international graduate student research symposium the global attention on the importance of the effects of typhoons on abaca (*Musa textilis*) biodiversity, agroecology and productivity.

## I.4. BIOME / BIOCULTURES

### BIOME 4 BIOCULTURES

#### 2014 INTERNATIONAL SYMPOSIUM ON BIODIVERSITY, CULTURE AND SOCIETY (BIOCULTURES) AND 5th PHILIPPINE NATIONAL BIODIVERSITY MEETING

Dimension of Innovations in Molecular Ecology, Evolutionary Biology, Biomechanics, Telemetry for Island Ecology and Biodiversity Conservation Programs in Small Islands of the Asia, the Pacific Region, Japan and Australia, Papua New Guinea and New Zealand

Name of Proposed Project: 2014 International Symposium on BIOCULTURES 5th Philippine National Biodiversity Meeting BIOME4 on Dimensions of Innovations in Molecular Ecology, Evolution, Biomechanics and Telemetry for Island Ecology and Biodiversity Conservation Programs in Small Islands of the Asia, the Pacific Region, Japan and Australia

Project Outline: International Symposium on BIOCULTURES (Biodiversity, Culture and Society) in 2014/BIOME4 National Conference on Dimensions of Innovation in Molecular Ecology, Evolution, Biomechanics and Telemetry in Small Islands of the Asia, Pacific Region, Japan and

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Australia in Catanduanes Island, Philippines will be organized by the Catanduanes State University, Philippines in partnership with an Australian institution and cooperating organizations of the previous BIOME conferences. The event addresses the nexus of island biodiversity conservation, technology, culture and society within the thematic scope of climate, disaster, and sustainability in the islands of the region including Australia, Papua New Guinea and New Zealand. BIOME4 tackles new technologies in relation to BIOCULTURES of islands in the region and lead in protecting and valuing the marine resources with emphasis on the vanishing and endangered sea turtles, fish, mollusks and crustaceans (FMCs) including the rivers, estuaries and wetlands (REWs). It will also (1) address the Biodiversity Science, Education and Technology (SEDTEC) within the Emerging Perspectives of Culture and Society (EPICS); (2) share new models and approaches on Water Initiatives for Nature and Sustainability (WINDS); (3) collaborate with local government units (LGUs), academe, non-government organizations, people's organizations, environmental/women/youth groups; and 4) utilize and leverage the objective decision-making capabilities of geographic information systems technologies (GIST) in tackling the various challenges mentioned above, which are to be discussed during a meeting with nationally-internationally recognized research and development institutions working on several important areas in island biodiversity with BBT

Thematic Scope: Sustainable utilization of biodiversity, Education and Communication on biodiversity, Gene banking in small Islands, Inventories of biodiversity, Protection of intellectual property rights, Involvement of non-governmental organizations, women and indigenous and local community groups, Regional action to protect biologically significant sites, Exchange of information on BIOCULTURES, Capacity-building, Protection from the introduction of alien invasive species, Access to financial and technical resources for the conservation and management of island biodiversity in Asia, the Pacific Region, Japan and Australia.

For further details and inquiry, please contact: DR. MINERVA I. MORALES, catanduanes\_state\_colleges@yahoo.com University President & Over-all Chair, BIOME4 and BIOME5 Catanduanes State University, Virac 4800, Catanduanes, Philippines Dr. Aurora E. Araojo, araojo\_aurora@yahoo.com BIOME4& BIOME5 Organizing Committee Chair Dr. Jimmy T. Masagca, pacifictchjtm@yahoo.com on Scientific Program

BIOME 4 October 20-22, 2013 Catanduanes State University Virac, Catanduanes Theme: Fostering Cooperation in Water Biodiversity Conservation in Marine and Freshwater Systems for Island Development In observance of the UN International Year of Water Cooperation, 2013 [on the report of the UN General Assembly, Second Committee (A/65/436/Add.1)] Catanduanes State University in cooperation with the Provincial Government of Catanduanes will organize the

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4th Philippine National Biodiversity Meeting (BIOME4) October 20-22, 2013. BIOME4 is being held as part of CSU's commitment to the Convention of Biological Diversity (CBD) Diversity (CBD) to promote and facilitate technical and scientific cooperation among the various stakeholders on biodiversity in the country, particularly in the rural areas.

Theme: Fostering Cooperation in Water Biodiversity Conservation in Marine and Freshwater Systems for Island Development Focus on the following: Marine and Coastal Biodiversity: Crustaceans, Mangroves, Marine Turtles, Mollusks, Intertidal Fishes, Coral Reefs, Seagrass, MPAs, etc. Inland Waters Biodiversity: Rivers, Streams, Reservoirs, Water Monitors (*Varanus olivaceus*, *V. marmoratus*) Forest and Mountain Biodiversity: Philippine Mahogany (*Dipterocarpaceae*), Rattan (*Calanus spp.*), Ptreydophytes Isla

Island Biodiversity: Island Biogeography, Catanduanes Narrow Mouthed frog *Kaloula kokacii*  
Agricultural Biodiversity : Abaca (*Musa textilis*) plantation, Lasa Specific Topics: Biodiversity Science in Water, Land and Air Biodiversity Conservation and Management Biodiversity Education and Communication Water Science, Engineering and Technology Forest Biodiversity and Conservation of Philippine Mahogany Mangrove Science and Aquasilviculture Climate Change and Disaster Risk Management Rivers, Estuaries and Wetlands (REWs) Social Representations in Natural Resource Management Ecological Economics and Natural Resource Accounting Indigenous Knowledge in Biodiversity Conservation

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