





## 2<sup>ND</sup> PHILIPPINE SYMPOSIUM ON FRESHWATER BIODIVERSITY AND ECOSYSTEMS

December 11-14, 2018  
Institute of Biology, University of the Philippines Diliman  
Quezon City, Philippines

10:30 – 11:00	<b>AM SNACKS</b>	
11:00 – 11:45	<p>KEYNOTE LECTURE I:</p> <p style="text-align: center;"><b><i>Freshwater Ecosystems and their Relationship to Human and Development</i></b> <b>Teodoro J. Herbosa, MD</b> Executive Vice President University of the Philippines System</p> <p>Moderator: Carmela P. Española, PhD</p>	
11:45 – 12:45	<b>LUNCH</b>	
13:00 – 14:00	<p>KEYNOTE LECTURE II:</p> <p style="text-align: center;"><b><i>Freshwater Pollution in Asia and the Role of Insects in its Management</i></b> <b>John C. Morse, PhD</b> Professor Emeritus of Entomology and Director Emeritus of Clemson University Arthropod Collection Clemson University, USA</p> <p>Moderator: Carmela P. Española, PhD</p>	
14:00 – 15:30	<p><b>PARALLEL SESSION 1 (Invited Talk)</b> Venue: College of Science Auditorium Moderator: <b>Dino T. Tordesillas, PhD</b></p> <ul style="list-style-type: none"> <li>• <i>An update to the taxonomic status and species listing of fish parasites from Philippine inland waters</i> <b>Jonathan Carlo Biones, PhD</b> University of Santo Tomas</li> <li>• <i>Trade-offs in the dark: unique adaptive features of cave aquatic fauna</i> <b>Daniel Edison M. Husana, PhD</b> University of the Philippines Los Baños</li> </ul>	<p><b>PARALLEL SESSION 2 (Invited Talk)</b> Venue: UP Biology Auditorium Moderator: <b>Ma. Vivian C. Camacho, PhD</b></p> <ul style="list-style-type: none"> <li>• <i>Updates on research initiatives in the Seven Lakes, San Pablo City</i> <b>Teresita R. Perez, PhD</b> Ateneo de Manila University</li> <li>• <i>National stock assessment program for inland fisheries in the Philippines: the case of Lake Taal</i> <b>Maria Theresa Mercene-Mutia, PhD</b> National Fisheries Research and Development Institute</li> </ul>



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	<ul style="list-style-type: none"> <li>• Impact of changing soil properties on the bloom forming ability of the cyanobacterium, <i>Nostoc commune</i> Vaucher in Northern Luzon, Philippines <b>Milagrosa R. Martinez-Goss, PhD</b> University of the Philippines Los Baños</li> <li>• <i>Emerging nanopore NGS technologies tested under field condition and used for barcoding of new species of Bornean Aquatic Beetles (Insecta: Coleoptera) during Taxonexpeditions – an international Citizen Science initiative</i> <b>Hendrik Freitag, PhD</b> Ateneo de Manila University</li> <li>• <i>Philippine aquatic red listing: the Sardinella tawilis experience</i> <b>Acad. Mudjekeewis D. Santos, PhD</b> National Fisheries Research and Development Institute and National Academy of Science and Technology</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Sustainable utilization, management and conservation of tropical anguillid eel resources</i> <b>Maria Lourdes A. Cuvin-Aralar, Dr. sc. agr.</b> Southeast Asian Fisheries Development Center – Aquaculture Department</li> <li>• <i>Managing water quality in a sub-watershed scale</i> <b>Adelina C. Santos-Borja, MSc, CESE</b> Laguna Lake Development Authority</li> </ul>
15:30 – 15:50	<b>OPEN FORUM</b>	
15:50 – 16:20	<b>PM SNACKS</b>	
16:20 – 17:20	<b>1<sup>ST</sup> GENERAL ASSEMBLY – Philippine Society for Freshwater Science</b> Venue: UP Biology Auditorium	
18:00 – 21:00	<b>WELCOME DINNER</b> <b>Bahay ng Alumni Center, University of the Philippines Diliman</b> Emcee: Jelaine Gan and Ronniel Pedales	



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### Wednesday (December 12) – Day 2

TIME	ACTIVITY
07:00 – 08:00	<b>REGISTRATION</b>
08:30 – 09:30	<p><b>PLENARY SESSION</b> UP Biology Auditorium Moderator: Rey Donne S. Papa, PhD</p> <p>PLENARY 1: <b><i>River Culture - Learning from River Biota for Sustainable River Management</i></b> <b>Prof. Karl M. Wantzen, PhD</b> Université François-Rabelais, Tours, France</p>
09:30 – 10:30	<p>PLENARY 2: <b><i>Groundwater-Surface Water Interactions in Human Altered Landscapes</i></b> <b>Prof. Junjiro Negishi, PhD</b> Hokkaido University, Japan</p>
10:30 – 11:00	<b>AM SNACKS</b>
11:00 – 12:00	<p>PLENARY 3: <b><i>Aquatic Alien Species Rresearch in Singapore</i></b> <b>Prof. Darren C. J. Yeo, PhD</b> National University of Singapore</p>
12:00 – 13:00	<b>LUNCH</b>
13:00 – 14:30	<p><b>PARALLEL SESSIONS (Contributed papers)</b></p> <p>IB Room Auditorium: Freshwater Ecosystems of Tropical Asia Moderator: Maria Lourdes Cuvín-Aralar, Dr. sc. agr. (SEAFDEC)</p> <p>IB Room 117: Philippine Freshwater Ecosystems Moderator: Jonathan Carlo A. Briones, PhD (UST)</p> <p>IB Room 250: Freshwater Biodiversity - Taxonomy &amp; Systematics Moderator: Hendrik Freitag, PhD (AdMU)</p> <p>IB Room 345: Conservation, Management and Policy Moderator: Adelina C. Santos-Borja, CESE (LLDA)</p>
14:30 – 15:00	<b>PM SNACKS</b>
15:00 – 16:30	<p><b><i>“The Young Leading the Young: Youth-led Collaborations for the SDGs”</i></b> A workshop co-presented by Metro Pacific Water and Philippine Young Water Professionals IB Room 117</p>



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17:00 – 19:00	<b>Mix “n” Mingle Poster Session</b> UP Biology Atrium
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### Thursday (December 13) – Day 3

TIME	ACTIVITY
07:00 – 08:00	<b>REGISTRATION</b>
08:30 – 09:30	<b>PLENARY SESSION</b> UP Biology Auditorium Moderator: Jonathan A. Anticamara, PhD  PLENARY 4: <b>“Excessive Water Level Fluctuations in Lakes: Impacts, Conflicts, Management”</b> <b>Prof. Tamar Zohary, PhD</b> Kinneret Limnological Laboratory, Israel Oceanographic and Limnological Research
09:30 – 10:30	PLENARY 5: <b><i>The Adaptive Watershed Governance: Science for Society</i></b> <b>Prof. Noboru Okuda, PhD</b> Research Institute for Humanity and Nature, Kyoto, Japan
10:30 – 11:00	<b>AM SNACKS</b>
11:00 – 12:00	PLENARY 6: <b><i>The Philippine Zooplankton Reference Collection: An integral tool in documenting zooplankton diversity, distribution and ecology in Philippine inland waters</i></b> <b>Prof. Rey Donne S. Papa, PhD</b> University of Santo Tomas, Philippines
12:00 – 13:00	<b>LUNCH</b>
13:00 – 15:00	<b>PARALLEL SESSIONS</b> <b>Graduate Students’ Oral Competition</b>  Cluster 1: Venue: UP Biology Auditorium Moderator: Teresita R. Perez, PhD (AdMU) Cluster 2: Venue: Room 117 Moderator: Francis S. Magbanua, PhD (UPD)
15:00 – 17:00	<b>CLOSING CEREMONIES</b> UP Biology Auditorium



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	<p>I. <u>Impressions on the 2<sup>nd</sup> PSFBE</u></p> <p>II. <u>Distribution of Awards</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Ian Kendrich C. Fontanilla, PhD</td> <td style="width: 50%;">IB Director</td> </tr> <tr> <td>Brian S. Santos, PhD</td> <td>IB Deputy Director for Academic Affairs</td> </tr> <tr> <td>Francis S. Magbanua, PhD</td> <td>PSFBE 2018 Symposium Chair</td> </tr> </table> <p>III. <u>Closing Remarks:</u> Ian Kendrich C. Fontanilla, PhD IB Director</p> <p>V. <u>Distribution of Certificates:</u></p> <p style="text-align: center;">Lillian Jennifer V. Rodriguez, PhD Master of Ceremonies</p>	Ian Kendrich C. Fontanilla, PhD	IB Director	Brian S. Santos, PhD	IB Deputy Director for Academic Affairs	Francis S. Magbanua, PhD	PSFBE 2018 Symposium Chair
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### Friday (December 14) – Day 4

TIME	ACTIVITY
6:00 – 17:00	<p><b>Field visit to the Lake Pandin, San Pablo City, Laguna</b></p> <p>To be facilitated by Laguna Lake Development Authority (LLDA); Meeting place and time: UP Biology parking area at 6:00 AM</p>