

JOURNAL OF MARINE SCIENCE AND TECHNOLOGY

February, 2014

Vol. 22, No. 1

CONTENTS

2010 Taiwan-France Conference on “Biodiversity and Ecophysiology of Marine Organisms”

| | | |
|--|---|----|
| Shrimp Immune System – Special Focus on Penaeidin | Yen-Ling Song and Ching-Yu Li | 1 |
| Polychaetes as Annelid Models to Study Ecoimmunology of Marine Organisms | Virginie Cuvillier-Hot, Céline Boidin-Wichlacz, and Aurélie Tasiemski | 9 |
| Neurogenesis in Cephalopods: “Eco-Evo-Devo” Approach in the Cuttlefish <i>Sepia officinalis</i> (Mollusca-Cephalopoda) | Sandra Navet, Sébastien Baratte, Yann Bassaglia, Aude Andouche, Auxane Buresi, and Laure Bonnaud | 15 |
| Traditional vs New Approaches for Assessing Coral Health: A Global Overview and the Paradigm of French Polynesia | Laetitia Hédouin and Véronique Berteaux-Lecellier | 25 |
| Assessing the Potential Bacterial Origin of the Chemical Diversity in Calcareous Sponges | Elodie Quévrain, Mélanie Roué, Isabelle Domart-Coulon, and Marie-Lise Bourguet-Kondracki | 36 |
| Evolution of Vacuolar Pyrophosphatasases and Vacuolar H ⁺ -Atpases in Diatoms | Adrien Bussard and Pascal Jean Lopez | 50 |
| Diversity of Bacterial Communities on Sunken Woods in the Mediterranean Sea | Sandrine Bessette, Sonja K. Fagervold, Chiara Romano, Daniel Martin, Nadine Le Bris, and Pierre E. Galand | 60 |
| Marine Invertebrate Larval Distribution at the Hydrothermal Vent Site of Gueishandao | Hans-Uwe Dahms, Li-Chun Tseng, and Jiang-Shiou Hwang | 67 |
| Crustacean Hyperglycemic Hormone: Structural Variants, Physiological Function, and Cellular Mechanism of Action | Chi-Ying Lee, Kuo-Wei Tsai, Wei-Shiun Tsai, Jia-Ying Jiang, and Yan-Jhou Chen | 75 |
| Hydrothermal Vent Effluents Affect Life Stages of the Copepod <i>Tisbe</i> sp. | Hans-Uwe Dahms, Li-Chun Tseng, Derek Moo-Chul Shim, and Jiang-Shiou Hwang | 82 |
| Sequence Diversity of Ammonium Transporter Genes in Cultured and Natural Species of Marine Phytoplankton | Lee-Kuo Kang and Jeng Chang | 89 |
| The IPOCAMP Pressure Incubator for Deep-Sea Fauna | Bruce Shillito, Françoise Gaill, and Juliette Ravaux | 97 |