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Nota di contenuto	Native and Invasive Mussels / Slavka Stankovic, Mihajlo Jovic, Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, and others -- Life and Interaction of Hydrobiological Organisms (Mytilus sp.) with Harmful Algal Blooms : Composition, Distribution and Metabolism of Hydrophilic and Hydrophobic Toxins in the Austral Pacific Region / Carlos Garcia, Nestor Lagos, Membrane Biochemistry Laboratory, Physiology and Biophysics Program, Faculty of Medicine, Universidad de Chile, Santiago, Chile, and others -- Mussels as a Tool to Monitor Pollution / Elena Cubero-Leon, Corina M. Ciocan, Environmental Biology, School of Pharmacy and Biomolecular Sciences, University of Brighton, Hastings, United Kingdom -- Bioenergetic Model Predictions of Actual Growth and Allometric Transitions during Ontogeny of Juvenile Blue Mussels Mytilus edulis / Poul S. Larsen, Kim Lundgreen, Hans Ulrik Riisgard, DTU Mechanical Engineering, Fluid Mechanics, Technical University of Denmark, Lyngby, Denmark, and others -- The Synthesis of Vitellogenin in the Mussel Mytilus Galloprovincialis : An Interdisciplinary Approach / Marisa Agnese, Marina Prisco, Luigi Rosati, Mariaailaria Verderame, Enrico De Meo, Ermelinda Limatola, Rosanna Del Gaudio, Serena Aceto, Piero

Andreuccetti, Department of Biological Sciences, University of Naples Federico II, Naples, Italy -- *Brachidontes solisianus* (Bivalvia : Mytilidae) Re-colonization Dynamics on a Sandstone Reef at Pernambuco, Brazil / Mariana Alves de Guimaraens, Jessica Pires Sa Carneiro, Betty Rose de Araujo Luz, Janilson Felix da Silva, Universidade de Pernambuco, Recife, PE, Brazil -- Mussel Farms in the Gulf of Naples (Campania, Southern Italy) : Real Opportunity or a Risk to Consumers? / Maria Grazia Esposito, Francesca Trinchella, Rosaria Scudiero, Department of Biology, University of Naples Federico II, Napoli, Italy.

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#### Sommario/riassunto

Mussel is the common name used for members of several families of bivalvia mollusca, from saltwater and freshwater habitats. Mussels are economically and ecologically important as they play a key role in aquatic environments and are considered to be "ecosystem engineers." In this book, the authors discuss the ecology, life habits and control of mussels. Topics include native and invasive mussels; paralytic shellfish toxins and lipophilic toxins and their interaction with the habitat of mussels in the South Pacific Ocean; mussels as a tool to monitor pollution; bioenergetic model predictions of actual growth and allometric transitions during ontogeny of juvenile blue mussels; the synthesis of vitellogenin in the mussel *mytilus galloprovincialis*; the *Brachidontes solisiannus* mussel and its re-colonization dynamics on a sandstone reef at Pernambuco, Brazil; and mussel farms in the Gulf of Naples.

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