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Autore	Jossa, Bruno
Titolo	Economie di mercato ed efficienza dei diritti di proprietà / Bruno Jossa, Ugo Pagano
Pubbl/distr/stampa	Torino : G. Giappichelli, c1997
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Altri autori (Persone)	Pagano, Ugo <1951- >
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Titolo	Basic and Applied Zooplankton Biology // edited by Perumal Santhanam, Ajima Begum, Perumal Pachiappan
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Nota di contenuto	A Method of Collection, Preservation and Identification of Marine Zooplankton -- Seasonal composition and diversity of copepods from Muthupet mangrove wetland ecosystem, Southeast coast of India -- DNA barcoding of copepods -- A method of Bio-efficacy Potential of Zooplankton (Copepod) for the Control of Vector Mosquitoes -- Techniques in collection, preservation and morphological identification of freshwater zooplankton -- A technique on the culture and preservation of marine copepod eggs -- Introduction to Artemia culture -- An optimization of culture conditions on Nannocalanus

minor (Copepoda: Calanoida) -- A method of estimation of enzymatic activity of copepods -- A study on assessing the feeding, survival, fecundity and post embryonic development of zooplankton *Nitocra affinis* (Copepoda: Harpacticoida) -- Evaluation of suitability of marine copepods as an alternative live feed in high health fish larval production -- Assessing the efficacy of marine copepods as an alternative first feed for diseases resistant shrimp larval production -- Biofloc-Copefloc: A novel technology towards the sustainable shrimp Farming -- A method of bioenrichment of plankton -- Intensive culture, biochemical composition analysis and use of zooplankton *Tisbe* sp. (Copepoda: Harpacticoida) as an alternative live feed for shrimp larviculture -- A method of analysis of pigments in copepods -- An intensive culture techniques of marine copepod *Oithona rigida* (*Dioithona rigida*) Giesbrecht -- A microcosm study on the impact of acidification on feeding, survival, nauplii production rate, post embryonic development and nutritional composition of marine copepod -- The Impact of Microplastics on Marine Copepods.

Sommario/riassunto

The coastal and ocean ecosystem is a significant feature of our planet and provides a source of food for much of life on Earth. Millions of species have been, and are still being discovered in the world's oceans. Among these zooplankton serve as secondary producers and are significant as they form pelagic food links and act as indicators of water masses. They constitute the largest and most reliable source of protein for most of the ocean's fishes. As such, their absence or depletion often affects fishery. In many countries, the decline in fishery has been attributed to reduced plankton populations. Furthermore, trillions of tiny copepods produce countless faecal pellets contributing greatly to the marine snow and therefore accelerating the flow of nutrients and minerals from the surface waters to the seabed. They are phylogenetically highly successful groups in terms of phylogenetic age, number of living species and success of adaptive radiation. A study of the basic and applied aspects of zooplankton would provide an index of the fishery potential and applications, offering insights into ocean ecology to safeguard food supplies and livelihoods of the millions of people living in coastal areas. For this reason, we need to understand all the facets of zooplankton as well as their interactions with atmosphere and other life forms, including human. In this context, this book discusses the basic and applied aspects of zooplankton, especially taxonomy, mosquitocidal activity, culture, analysis of nutritional, pigments and enzyme profile, preservation of copepods eggs, bioenrichment of zooplankton and application of zooplankton in sustainable aquaculture production, focusing on novel biofloc-copefloc technologies, and the impact of acidification and microplastics on zooplankton. Offering a comprehensive overview of the current issues and developments in the field of environmental and commercial applications, this book is a valuable resource for researchers, aquaculturists, environmental managers wanting to understand the importance of zooplankton and develop technologies for the sustainable production of fish and other commodities to provide food and livelihoods for mankind.
