

1. Record Nr.	UNINA9911031674503321
Autore	Tan Lik Tong
Titolo	Marine Natural Products Research in South-East Asia : Current Status and Perspectives // edited by Lik Tong Tan, Novriyandi Hanif
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-032-01098-5
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (796 pages)
Collana	Chemistry and Materials Science Series
Altri autori (Persone)	HanifNovriyandi
Disciplina	547
Soggetti	Natural products Drugs - Design Biodiversity Chemistry, Organic Biomolecules Natural Products Structure-Based Drug Design Organic Chemistry Small Molecules
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Current Status of Marine Drug Discovery-Based Biotechnology in South-East Asia -- Chapter 2. Marine Biodiversity and Marine Natural Products Research in Singapore -- Chapter 3. Bioactive Compounds from Soft Corals from Sulu-Sulawesi Marine Ecoregion -- Chapter 4. Structural Diversity and Biological Activities of Halogenated Secondary Metabolites of the Red Algal Genus Laurencia from the Sulu-Sulawesi Marine Ecoregion -- Chapter 5. Bioprospecting from Marine Benthic Organisms in Vietnam -- Chapter 6. Marine Natural Products from Indonesian Coral Reef Organisms -- Chapter 7. Charting the Philippine Seas – Progress in Marine Natural Products Research in the Philippines in the last 20 Years -- Chapter 8. Discovery and Development of Potential Therapeutic Agents from Sponge-Derived Marine Natural Products in Thailand -- Chapter 9. Marine Drug Discovery in Papua New Guinea: Bioactive Specialized Metabolites from Marine Invertebrates -- Chapter 10. Marine Microbial Natural Products

Sommario/riassunto

This unprecedented volume offers a comprehensive review of marine natural products research across Southeast Asia, a region teeming with untapped marine biodiversity. It provides an extensive survey of the chemistry and biology of specialized metabolites derived from marine organisms, such as sponges, tunicates, soft corals and marine microbes. Highlighting both the scientific advances and critical gaps, the book identifies strategic areas for future research and drug discovery initiatives. With its regional focus and collaborative insights, this edited collection serves as a vital resource for researchers, policymakers, and industry stakeholders engaged in marine biotechnology and sustainable pharmaceutical development in one of the world's most biodiverse marine ecosystems.