1. Record Nr. UNINA9910799214503321

Autore	Verico Kiki
Titolo	Indonesia's International Economic Strategies / / by Kiki Verico
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Palgrave Macmillan, , 2023
ISBN	9789819984589 9819984580
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (305 pages)
Disciplina	338.9598
Soggetti	International economic relations International law Trade regulation International trade Asia - Economic conditions International Economics International Economic Law, Trade Law International Trade Asian Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: General Introduction -- Chapter 2: Global pandemic’s scarring effects and Indonesia’s economy -- Chapter 3: Economic Openness for Economic Transformation -- Chapter 4: Analysing Indonesia’s bilateral trade and investment network -- Chapter 5: Analysing bilateral Comprehensive Economic Partnership Agreement (CEPA) Impacts -- Chapter 6: Optimizing benefit of bilateral CEPA: Indonesia with Australia and Republic of Korea -- Chapter 7: ASEAN Economic Integration Principles: Open, Inclusive and Convergence -- Chapter 8: Keeping Indo-Pacific peace and prosperous -- Chapter 9: Choosing the right mega-regional economic cooperation -- Chapter 10: General Conclusion.
Sommario/riassunto	This book discusses Indonesia's international economic strategies. It examines unilateral aspects, foreign direct investments, bilateral

economic relations, regional elements, ASEAN's role, and the Indo-Pacific's dynamic frameworks. Starting at the unilateral level, the book outlines how Indonesia managed its macro-economy to recover quickly and adequately from 2020 to 2021 amidst the global COVID-19 pandemic. It argues that Indonesia needs an open economic principle to enhance trade and investment relations. In addition, the book elaborates on how Indonesia transforms its economy with export-oriented long-run investment (Foreign Direct Investment) inflows as a necessary condition for economic transformation as it fits with Indonesia's manufacturing sector, which is critical to the country. Further, the book thoroughly explains Indonesia's bilateral economic relations, from its production networks with Indonesia's major partners to their impacts. It highlights the products which willprovide enormous potential benefits for the country. The book also covers regional and mega-regional aspects of Indonesia's economy. Focusing on the Association of Southeast Asian Nations (ASEAN), it emphasises the regional organisation's three essential principles for economic integration: openness, convergence, and inclusiveness. In doing so, research in the book also includes perspectives on how ASEAN sees Asia and the Indo-Pacific framework. It also argues that ASEAN needs centrality in enlarging its economic cooperation with other countries or regions and how a member state's unilateral and bilateral liberalisation are building blocks for ASEAN. Kiki Verico is the author of The Future of The ASEAN Economic Integration (Palgrave Macmillan, 2017), which explores open regionalism as the necessary condition of the ASEAN economic transformation. Kiki is a tenure track professor in International Economics at the Faculty of Economics & Business University of Indonesia (FEB UI) and a Senior Researcher of the LPEM UI. He has been working as a lecturer and researcher for more than 20 years. He dedicates himself to teaching and doing collaborative research with government institutions, international organizations, business associations, and many others. Since his appointment in January 2020, he has served as a Senior Advisor for Industry and International Trade to Indonesia’s Finance Minister.

2. Record Nr. UNINA9910416112603321

Titolo	Bioprocessing of Plant In Vitro Systems / / edited by Atanas Pavlov, Thomas Bley
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-319-32004-1
Collana	Reference Series in Phytochemistry, , 2511-834X
Disciplina	660.6
Soggetti	Biotechnology Plant breeding Botanical chemistry Biomedical engineering Metabolism Bioorganic chemistry Plant Breeding/Biotechnology Plant Biochemistry Biomedical Engineering/Biotechnology Metabolomics Bioorganic Chemistry Enginyeria genètica vegetal Fitoquímica Química biorgànica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Plant cell culture technology: A next generation system for sustainable production of valuable natural products -- Engineering cell and organ cultures from medicinal and aromatic plants toward commercial production of bioactive metabolites. - Plant in vitro systems as sources of food ingredients and additives. - Hairy root in vitro systems for bioactive substances production. - Sustainable production of polyphenols and anti-oxidants by plant in vitro cultures -- Production

of iridoids and phenylethanoid glycosides by in vitro systems of plants from Orobanchaceae, Budleyaceae and Scrophulariaceae families -- Amaryllidaceae alkaloid accumulation by plant in vitro systems -- Taxus cell cultures, an effective biotechnological tool to enhance and gain new biosynthetic insights into taxane production -- Bioactive substances from grape cell cultures -- Bioreactor technology for sustainable production of plant cell-derived products -- Large-scale cultivation of plant cell, tissue and organ culture for bioactive substances production -- Monitoring of plant cells and tissues in bioprocesses -- Genetic transformation of hairy roots for improvement of yields of secondary metabolites -- Elicitation of secondary metabolism of plant cells cultivated in vitro -- Permeabilization-mediated recovery of metabolites from plant cultures -- Polyploidy and secondary metabolism of plant cells cultivated in vitro -- Application of GC-MS in in vitro plant metabolite profiling -- Microbial transformations of plant secondary metabolites -- Plant micropropagation -- Safety assessment of food ingredients from plant cell and tissue cultures.

Sommario/riassunto

This handbook presents how plant in vitro technologies can overcome current limitations in the production of important plant-derived substances. It explains the advantages of plant in vitro technologies, notably the independence from climatic and soil conditions and the ability to synthesize diverse bioactive substances under controlled conditions. Apart from making diverse metabolites, which can be used e.g. as pharmaceuticals, agrochemicals, flavors, colors, biopesticides or food additives, more easily and more efficiently available, the methods described in this handbook also offer the advantage that rare and threatened plants, which provide access to interesting and desired substances, can be better protected, when the substances are harvested from suitable plant in vitro systems. In times of increasing demand for natural plant-derived products, the described methodologies will be key to ensuring efficient and sustainable access to plant-derived products. They will also help and support in the research and investigation of plant secondary metabolites. Despite these advantages, still only few substances are being produced at industrial scale by in vitro plant cell cultivation systems to date. This handbook therefore advertises the recent achievements and research in the field, focused on solving limitations in yield and bioprocessing conditions. Leading experts summarize the methodology, which can help overcome drawbacks like low yields of target products or problems associated with the cultivation in bioreactors. Readers will find comprehensive information on fundamentals for using different types of plants in vitro as matrix for sustainable production of valuable secondary metabolites. The handbook summarizes the core information on phytochemistry, bioreactor technology and monitoring of plant cells and tissues in bioprocesses. It also discusses selected applications and safety assessment of food and cosmetic ingredients from plant cell and tissue.