Newly Published Books

Submitted by: Amy Rossman

Books listed below are available from: Koeltz Botanical Books e.K. Kapellenbergstr. 75, DE - 61389 Oberreifenberg, Germany. Phone (+49) (0) 6082 929 1850 • Fax (+49) (0) 6082 929 1852, email: news@koeltz-botanical-books.e-mailnews.de

Bierend, Doug. 2021. In Search of Mycotopia. Citizen Science, Fungi Fanatics, and the Untapped Potential of Mushrooms. 336 p. gr8vo. Hardcover. PRICE: 35.00 €, US$ 39.90.

From ecology to fermentation, in pop culture and in medicinal mushrooms are everywhere. With an explorer's eye, author Doug Bierend guides readers through the weird, wonderful world of fungi and the amazing mycological movement.

In Search of Mycotopia introduces us to an incredible, essential, and oft-overlooked kingdom of life - fungi -and all the potential it holds for our future, through the work and research being done by an unforgettable community of mushroom-mad citizen scientists and microbe devotees. This entertaining and mind-expanding book will captivate readers who are curious about the hidden worlds and networks that make up our planet.

Bierend uncovers a vanguard of mycologists: growers, independent researchers, ecologists, entrepreneurs, and amateur enthusiasts exploring and advocating for fungi's capacity to improve and heal. From decontaminating landscapes and waterways to achieving food security, In Search of Mycotopia demonstrates how humans can work with fungi to better live with nature and with one another.

Carvalho, Anibal Alves de and Joe Fleetwood Hennen 2023. ***Illustrated Genera of Rust Fungi of Brazil.*** **(Sida Botanical Miscellany Series, Vol. 63). illus. (col.) 148 p. Hardcover.** 82,28 € incl. VAT (EU buyers), US$ 87.70.

Illustrated Genera of Rust Fungi of Brazil presents up-to-date information about the genera of rusts fungi known for Brazil. Included are 65 plates of detailed black and white photos representing 62 genera. This number represents approximately one-half of all of the known genera of rust fungi in the world. Results are based on many large-scale surveys and field collecting expeditions in Brazil and supplemented with herbarium records.

The largest portion of this book is the descriptive flora of the 62 genera, i.e., descriptions, and taxonomic treatments of rust fungi genera, arranged alphabetically by genera and species. Sixty-one genera are treated as holomorphs and 13 as anamorph genera. The most important practical results of taxonomic research on these parasitic and pathogenic rust fungi are products such as complete descriptions and illustrations of symptoms and signs, and other aids such as host indices and keys. These products help scientists and students identify species of rusts. This book is aimed at students and professionals who are fascinated with rusts and their pathogenic fungi.

Karlöf, Oliver 2022. ***Ovanliga matsvapar.*** **Illus. 175 p. gr8vo. Hardcover. - In Swedish. Price:** 43.00 €, US$ 49.00.

Lee, Serena M. L. and Amy M.F. Choong 2023. ***A Guide to Macrofungi in Singapore.*** **illus. (col.). 229 p. Paper bd.** PRICE: 69.00 €, US$ 78.70.

A Guide to Macrofungi in Singapore is the outcome of seven years of fieldwork and identification in Singapore by Serena Lee of the Singapore Botanic Gardens and six years of teaching Fungal Biology by Amy Choong of the National University of Singapore. It is written for anyone who wishes to learn about fungi, and how to identify and classify the fungi they encounter.

This book aims to introduce people to the fascinating worlds of macrofungi and slime moulds (which may be mistaken as true fungi in their spore-bearing stage). As the first guidebook to Singapore's amazing diversity of macrofungi and slime moulds, it sheds light on the current state of fungal taxonomy and seeks to highlight the importance of these organisms' role in our ecosystem.

Oerstadius, Leif 2023. The genus *Psathyrella* s.l. (Fungi of Northern Europe,6). illus. (col.) 375 p. gr8vo. Paper bd. PRICE: 69.90 €, US$ 79.70.

Provides identification keys, descriptions, colour photographs, drawings of microscopical features of 123 north European species of *Psathyrella* s.l.

Ramaiah, Kandikere, Sridhar Sunil and Kumar Deshmukh (eds.) 2023. *Ecology of Macrofungi.* illus. 336 p. gr8vo. Hardcover. PRICE: 167.00 €, US$ 190.40.

Macrofungi have significant importance in human health, particularly in nutrition, medicine, pharmaceuticals, agriculture and industries. They occupy a variety of ecosystems such as terrestrial (agricultural lands, forests, and deserts), freshwater (bogs and marshes) and maritime (mangroves and coastal sand dunes) habitats. Their ecosystem services like nutrition (humans and animals), medicinal pursuits (antibiotics and pharmaceuticals) and bioremediation (degradation of xenobiotics and insect control) potential are dependent on their diversity and ecological conditions. Macrofungal ecology serves as the basis for nutraceutical values, agricultural benefits, plant productivity, environmental protection and industrially valued biocomposites.

This book focuses on various aspects of macrofungal distribution in varied habitats, participation in organic matter decomposition, ectomycorrhizal associations and participation in biogeochemical cycles. This book reviews the current developments in macrofungal ecology in different habitats and their benefits. Due to the topics dealt with on macrofungal diversity, distribution, dynamics, lifestyles, ecosystem or substrate preferences and ecosystem services, this book is valuable to mycologists, botanists, zoologists, ecologists, foresters, geneticists, agronomists, and field biologists.

Salazar, Viviana, María José Dibán, Sandra Troncoso, Christian Valdés, Patricia Silva. 2023. *Hongos de la Zona Central de Chile*. illus. (col.). 224 p. Paper bd. - In Spanish. PRICE: 86.00 €, US$ 98.00.

Sisson, Liv 2023. ***Fungi of Aotearoa. A curious forager's field guide.* illus. (col.) 326 p.** PRICE: 71.00 €, US$ 80.90.

In this practical and up-to-date guide, forager and fungus enthusiast Liv Sisson shares her top tips and takes the reader on a journey to discover the unique and diverse fungi Aotearoa has to offer.

Discover how to identify the best edible varieties, and how to cook with them, how these incredible organisms have shaped the world as we know it, and the role they are playing in modern medical and environmental research.

Featuring stunning full-colour photographs, fun facts, and current descriptions of over 130 species (including our brilliant blue national fungus, werewere-kokako), *Fungi of Aotearoa* is packed full of information and advice.

Aotearoa = New Zealand

Winkler, Rudolf und Gaby Keller 2023. *Pilze Mitteleuropas.* 3800 Pilzarten schrittweise bestimmen. 440 figs. 2400 Farbphotographien. 1056 S. Hardcover. PRICE: 129.00 €, US$ 147.10.