Recent Ecology and Environmental Studies - November 2022

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An Illustrated Guide to Medicinal Plants of East Africa / Najma Dharani and Abiy Yenesew (Ed) Emsie du Plessis

Struik Nature, Cape Town, South Africa 2022

312p.

Includes Index

9781775847878

\$ 65.00 / null

700 gm.

This book is the first photographically illustrated guide to East Africa's most important medicinal plants. In all, the medicinal uses of 136 plant species are described. All of these plants (be they indigenous, naturalised, or exotic) are in everyday use among traditional healers in Kenya, Tanzania and Uganda. With more than 600 colour photographs, the book ensures that each plant, as well as each one of its salient features (its bark, leaves, flowers, and fruits) is pictured for ease of identification in the field. Medicinal uses for each plant are clearly set out, with detailed recipes for the preparation and administration of remedies for a wide range of common ailments and afflictions. For all the plants showcased in this beautifully designed book, there is a short summary of what modern science(pharmacology and chemistry) tells us about the healing effects of the herbal remedies that are derived from them.

https://www.marymartin.com/web?pid=835430

Pesticides and Health: How New Zealand Fails in Environmental Protection / Neil Pearce

Bridget Williams Book Pty Ltd, New Zealand 2022

164p.

9781990046889

\$ 25.00 / null

150 gm.

New Zealand has been one of the world's heaviest users of dioxin, a notorious toxic chemical. In this BWB Text a leading epidemiologist uses the example of dioxin to illustrate how badly New Zealand handles problems of environmental pollutants, and why we can do better. Concern with public health has been recast by the Covid-19 pandemic. Neil Pearce's eye-opening account of our country's ongoing failures in environmental protection shows there is much more work to be done.

https://www.marymartin.com/web?pid=826577

Life in the Shallows: The Wetlands of Aotearoa New Zealand / Karen Denyer & Monica Peters

Massey University Press, New Zealand 2022

344p.

9780995143128

\$ 65.00 / null

1000 gm.

Rich and diverse but often unloved, Aotearoa's wetlands are the most vulnerable of our ecosystems. Only a tiny fraction of their original extent remains, and we continue to lose this vital habitat. The race is on to discover more about them while we still can. This highly illustrated and absorbing book introduces and explores the wetlands of Aotearoa through the work and experiences of our leading researchers. It also explores the deep cultural and spiritual significance they have for Maori, and the collaboration of matauranga Maori and western science in continuing to improve our understanding of these special places. Featuring wetlands to visit all around the country, descriptions of the rich bird, insect and plant life that can be found there, and some of the innovative ways we can protect and restore them, Life in the Shallows is a key resource for those who want to explore, understand and care for these precious places.

https://www.marymartin.com/web?pid=826576

The Hidden Kingdom of Fungi / Seifert, Keith University of Queensland Press, Australia 2022 288 pages 9780702265792 \$ 39.99 / null 380 gm.

An enthralling look at our relationship with fungi, from an author who has spent more than forty years studying them on five continents.

Fungi are essential to all life on Earth and yet fungal diseases and toxins lead to over one million deaths each year. How can we strike a better balance with our microbial cousins?

These remarkable microbes enrich our lives- from releasing the carbon in plants, to producing life-changing medicine, to adding umami flavour and B vitamins to our food. But not all fungi are good for us.

This compelling book from esteemed mycologist Keith Seifert ventures into our homes, bodies, farms, and forests to profile the fungi that inhabit our environments. Drawing from the latest research, he explains where fungi came from and how yeasts, lichens, and moulds have evolved and adapted over millions of years.

The Hidden Kingdom of Fungi urges us to better understand our relationship with fungi, while revealing their world in all its beautiful complexity.

https://www.marymartin.com/web?pid=832738

Grounded / Bryce, Alisa Text Publishing Company, Australia 2022 304 pages 9781922458650 \$ 42.99 / null 410 gm. An Aussie scientist digs up some dirt about the history and science of soil

Life on land could not exist without soil. Almost everything we need can be traced to the soil- food, fibre, medicines - even oxygen produced by plants. What would we be without it? Certainly not a planet worthy of the name Earth.

There are already plenty of books about agriculture, ecology or how to grow tomatoes. This book is about the other stuff. Like...

how soil evidence can nail a murderer the ingredients that make a Test cricket pitch how the soil affects the taste of your favourite wine the soil microbes that could be the next wonder drug tips for digging a POW camp escape tunnel (disclaimer- don't try it at home) or mounting an invasion of Normandy (ditto) how to be ecofriendly when you're dead

In the unputdownable Grounded, soil scientist Alisa Bryce gives you the dirt on all this-and much, much more.

https://www.marymartin.com/web?pid=832739

A Field Guide to Tawau Hills Park / Shavez Cheema (et al.), (Ed) Ian Cunningham Lembaga Pemegang Amanah Taman-Taman Sabah (Sabah Parks Trustee Board) & 1StopBorneo Wildlife, Malaysia 2021

viii, 148p.

9789671999301

\$ 54.00 / null

400 gm.

Tawau Hills Park (THP) is a quiet and relatively undiscovered wonder of nature in southeast Sabah. It is located in the district of Tawau and can be reached by car in an hour from the nearest airport. Gazetted in 1979 under the administration of Sabah Parks, the park contains primary rainforest that is protected from the palm oil plantations that immediately surround it. The approach by car involves a drive along roads surrounded by these plantations until you arrive at the park's main entrance where the desert of plantations ends and the incredible view of tall dipterocarp trees begins.

Locals can enjoy the park's facilities near the main entrance for recreational walks and BBQs and, at weekends, the area close to the park's headquarters may be teeming with people enjoying themselves. Yet most people do not explore further into the park's rainforest, staying near the main rivers, although if they did they would realise that THP is a naturalist's dream. The park has three sub-stations, Balung, Merotai and Andrassy and has developed a good network of trails that enable extensive exploration of its forests, from the former 'Tallest Tree Trail', which is 900 m long, to the main trail leading both to the Gelas waterfall at 2.4 km and to the sulphur spring which is at 3.2 km. At its headquarters, the park offers rented accommodation of 10 basic rooms and a chalet, as well as a beautiful camping ground. For the bird watcher, there is also a bird-watching tower located not far from the Table waterfall which is just a few hundred metres away from the recreational ground.

https://www.marymartin.com/web?pid=835981

Living Democracy / Hollo, Tim NewSouth Publishing, Sydney NSW 2022 224 pages 9781742237251 \$ 39.99 / null 325 gm. The way we glow when having a great conversation, building off each other's ideas, finding solutions we can all be satisfied with. The way we spark together when marching and chanting in protest. This is living democracy.

Yes, the world looks bleak. Across our society there's a mounting sense of desperation in the face of the climate crisis, gaping economic inequality and racial injustice, increasing threat of war, and a post-truth politics divorced from reality. Extinction is in the air.

But what if the solutions to our ecological, social and political crises could all be found in the same approach? What if it was possible for us to not just survive, but thrive?

In Living Democracy, Greens activist Tim Hollo offers bold ideas and a positive vision. It's the end of the world as we know it, but it doesn't have to be the end of the world. In fact, around the globe, people and communities are beginning an exciting new journey.

This book will inspire you, inform you, and get you fired up to co-create our common future. A living democracy.

https://www.marymartin.com/web?pid=832808

Orchids of Tamil Nadu(India) / Subbiah Karuppusamy, Kothareddy Prasad T. Pullaiah

Scientific Publishers (India), Jodhpur 2022

viii, 280p.; 23 cm.

9789390749904

\$ 75.00 / HB

750 gm.

The book gives detailed updated information of Orchids of Tamil Nadu in India. Brief account on the phytogeography, geology, forest types, climates of Tamil Nadu is given in the introductory chapter. An analysis of endemic orchids of Tamil Nadu has been given for easy identification of utilization and conservation measures. A bracketed key to the orchid genera and key to the species have been given for precise identification. A total of 252 taxa belonging to 73 genera of Orchidaceae have been systematically enumerated. Under each species, citation according to latest ICN, synonymous connected to local, regional and national Floras, type information, etymology, description, flowering and fruiting season, habitat, distribution of each species in local, regional, national and global scale and specimen examined have been given. All the literature about orchids of Tamil Nadu have been given at the end. One new species Aerides agasthiyamalaiana has been described in this book. The importance of this book is coloured photographs of about 230 species available in the Tamil Nadu region. Endemic and threat categories also mentioned each taxa. Index to genera and species has been given at the end.

https://www.marymartin.com/web?pid=832859

Together We Can / O'Rourke, Claire Allen and Unwin, Australia 2022 328 pages, 23cm 9781761066818 \$ 37.99 / null 445 gm. Inspiring stories about people around Australia who are taking action on climate change, helping create a better future for our children and for the planet, while at the same time deepening connections with each other.

'If you ever thought you were alone in the battle for climate justice, this book will make you realise you are part of an extraordinary movement of people.' - Craig Reucassel, ABC TV's The War on Waste

Millions of Australians are quietly freaking out about the state of the planet, and Claire O'Rourke is one of them. We know the science is bad - we're signing petitions, recycling our garbage and switching our light bulbs - and we know so much more needs to be done. Australia is on the front lines. It's going to take a massive, all-hands-on-deck effort to turn this around, and it can be overwhelming thinking about where to start.

Together We Can is an invitation to anyone worried about what climate change means for our future and a challenge to reconnect with our communities. You can start small and simple and, before you know it, climate action is transformative, empowering and hopeful.

Claire tells the stories of everyday people all around Australia who are already making a difference, and they come from every walk of life: food producers, sportspeople, financiers, psychologists, First Nations people, entrepreneurs, public servants, scientists, teachers, actors, farmers, students and retirees. Our fragmented modern lives have pulled us away from the relationships that nurture and inspire. These stories show how contributing to healing our world enriches our connections with each other, which is what we need to face uncertain times.

'You will recognise yourself in every page of this book. From there, the ways we work together to make change are boundless.' - Yael Stone, actor and founder of Hi Neighbour

'Together We Can will recharge your batteries and inspire you into action' - Damon Gameau, director of Regenerating Australia

https://www.marymartin.com/web?pid=833475

The Nerves and Their Endings / Johannesson, Jessica Gaitan Scribe Publications, Australia 2022 192 pages, 21cm 9781922310606 \$ 29.99 / null

The body as a measuring tool for planetary harm. A nervous system under increasing stress.

In this urgent collection that moves from the personal to the political and back again, writer, activist, and migrant Jessica Gaitán Johannesson explores how we respond to crises.

She draws parallels between an eating disorder and environmental neurosis, examines the perils of an activist movement built on non-parenthood, dissects the privilege of how we talk about hope, and more.

The synapses that spark between these essays connect essential narratives of response and responsibility, community and choice, belonging and bodies. They carry vital signals.

https://www.marymartin.com/web?pid=833440

Entangled Lives: Human-Animal-Plant Histories of the Eastern Himalayan Triangle / Joy L.K. Pachuau, William van Schendel

Cambridge University Press, New Delhi 2022

Xi, 363p.; 23 cm. Bibliography Includes Index.

9781009215473

200 gm.

\$ 30.00 / HB 740 gm.

Entangled Lives on the fundamental insight that history is always interspecies history. With elegance and in-depth knowledge, Joy Pachuau and Willem van Schendel outline a new mode of writing history where the lives of animals and plants matter and where scholars have to rethink taken-for-granted geographies and temporalities. This is a highly ambitious project that takes us from the movement of tectonic plates to indigenous cosmologies in the region that they aptly name the 'Eastern Himalayan Triangle'.

https://www.marymartin.com/web?pid=833093

The Ecology and Biogeography of Sri Lanka / A Context for Freshwater Fishes / Rohan Pethiyagoda & Hiranya Sudasinghe

WHT Publications (Private) Limited, Sri Lanka 2021

xiv, 258pp. Includes Index 9786249837805 \$ 100.00 / HB 1350 gm.

Despite a steady increase in the pace of biodiversity exploration and research in Sri Lanka, the origins of the island's fauna and flora have never yet been explored in a synthetic work. This book is a first attempt to draw together the diverse threads that make up this fascinating story. It reviews the historical and recent scientific literature to provide a state-of-the-art context for understanding how the island's biota came to be as it is today. It lays special emphasis on the ecology, biogeography and phylogeography of freshwater fishes, which are arguably the best-studied vertebrate group in the country. The text is richly illustrated with more than 200 figures, photographs and maps, supported also by extensive references to the literature. This volume is intended to serve as a sourcebook for scientists, students and enthusiasts of Sri Lanka's spectacular biodiversity, highlighting not just what is known but also the many gaps in our knowledge that beckon as objects of future inquiry. A clear understanding of how, when and from where the ancestors of the plants and animals that now inhabit the island came – whether from Jurassic Gondwana or Pleistocene India – is perhaps the first and most important step also in deciding future conservation priorities. The Ecology and Biogeography of Sri Lanka: A Context for Freshwater Fishes

provides an indispensable foundation for understanding and appreciating Sri Lanka's unique biodiversity in its historical and evolutionary context.

https://www.marymartin.com/web?pid=836127

A Photographic Guide to Singapore Spiders / Joseph K H Koh (et al.)

National Parks Board, Singapore 2022

774p. Includes Index 9789811840197 \$ 65.00 / null 2450 gm.

This is a photographic guide which showcases about 790 species of spiders that can be found in Singapore. It also introduces readers to the spider taxonomy for scientists and amateurs. This book is a resource for researchers and citizen scientists engaging in biodiversity and anyone interested to learn more about the rich diversity of spiders.

https://www.marymartin.com/web?pid=836089

Atlas de la forêt - Province nord, Nouvelle-Calédonie / NA Province Nord, New Caledonia 2022 186p. 31cm. 9782919510306

\$ 120.00 / HB 1350 gm.

L'atlas met en lumière les caractéristiques du paysage forestier dans chacune des dix-sept communes de la province Nord, à travers des traitements cartographiques soignés et des analyses méticuleuses. Cet ouyrage de référence, richement illustré, attire aussi notre attention sur la

Cet ouvrage de référence, richement illustré, attire aussi notre attention sur la fragilité de ce milieu qui ne cesse de réduire et de se morceler en fragments de plus en plus petits.

La forêt de Nouvelle-Calédonie est un écosystème indivisible dans le temps et l'espace. Sèche ou humide, jeune ou mature, dense ou éparse, elle épouse la totalité du Caillou en ajustant sa forme et sa composition aux conditions de l'environnement. Face à cette puissante nature, l'humain a toujours lutté pour délimiter son espace de vie en repoussant la forêt au plus loin de ses habitations. Aujourd'hui, il ne s'agit plus de faire sa place aux dépens de la forêt mais de vivre en harmonie avec cet écosystème naturel dorénavant reconnu comme un allié essentiel à notre survie.

Le présent atlas est un instantané de la forêt de la province Nord. Il décrit sa place, son organisation et sa distribution géographique actuelle au travers d'une synthèse illustrée d'une riche iconographie constituée de cartes et d'indicateurs. Décliné en un portfolio pour chacune des dix-sept communes de la province Nord, cet atlas souligne les enjeux de conservation pour les décideurs, qu'ils exercent à l'hôtel de la province Nord ou à la mairie de l'une ou l'autre de ces communes. Cet ouvrage s'adresse aussi à chaque habitant souhaitant s'approprier les enjeux qui interagissent plus directement avec son espace de vie.

qui interagissent plus directement avec son espace de vie. Cette diagnose a pour ambition d'offrir aux collectivités publiques de la Province Nord, des connaissances qui seront autant d'outils pour appuyer la mise en place d'actions concrètes à différentes échelles, administratives et individuelles, afin d'entretenir et d'améliorer la place cde la forêt dans le paysage dans lequel évoluent les populations humaines.

https://www.marymartin.com/web?pid=835320

Plantes marginales comestibles en Nouvelle-Calédonie / Bernard Suprin Éditions Photosynthèse, New Caledonia 2022

15 x 21 cm, paperback, 216 pages 9782952731676 \$ 50.00 / null 360 gm.

Après « Bonnes mauvaises herbes », livret de 16 fiches parus en 2019, Bernard Suprin nous présente aujourd'hui 350 plantes marginales qui peuvent être consommées. Il participe ainsi à l'indispensable conquête de l'autonomie alimentaire tout en diversifiant notre alimentation.

https://www.marymartin.com/web?pid=835318

Catalogue illustré des Chrysomèles de NC (Coleoptera, Chrysomelidae) = Illustrated Catalogue of the Leaf Beetles of New Caledonia (Coleoptera, Chrysomelidae) / Christian Mille, Pierre Jolivet

Société entomologique de NC,New Caledonia 2022 16,5 x 24,5 cm, relié, 156 pages 9782919253074 \$ 75.00 / HB 700 gm.

Les informations concernant les Chrysomèles de Nouvelle-Calédonie étaient jusqu'à présent éparses, et pour quelques unes, anciennes et peu accessibles. Il était donc nécessaire de les rassembler dans un même ouvrage et les rendre ainsi accessibles au plus grand nombre. Outre son importance économique, ce groupe faunistique présente aussi des intérêts patents pour la biogéographie dans la région et pour la Nouvelle-Calédonie. Les grandes caractéristiques de la faune chrysomélidienne y sont détaillées avec un total de 264 espèces parmi 52 genres au sein de dix sous-familles. Avec 211 espèces endémiques, le taux d'endémisme de cette famille s'établit à 92%. La sous-famille des Eumolpinae affiche une diversification importante avec 40% des espèces de chrysomèles représentées. Les sous-familles et les Zeugophorinae, Lamprosomatinae, Eumolpinae et Chrysomelinae montre des taux d'endémisme spécifique de 100%. Seules les cigales (Hemiptera, Cicadidae) montrent un taux d'endémisme équivalent en Nouvelle-Calédonie. Toutes les espèces sont réparties dans chacune des dix sous-familles. Chaque espèce est citée avec son nom scientifique actualisé et valide, puis, les références des descriptions et des éventuels synonymes, la répartition géographique et la liste des plantes-hôtes connues de chaque espèce sont également exposées. Dessins et photographies y sont nombreux permettant d'illustrer la plupart des espèces citées. Enfin, la liste des espèces par sousfamille, la liste alphabétique et un index des plantes par espèce sont disponibles en fin d'ouvrage.

https://www.marymartin.com/web?pid=835319

Welcome to Our Ba-eng! (Ibaloy Home Garden) / Vicky Macay (Ed) Judy Carino-Fangloy (Illustrator) Sixtos Talastas

Partners for Indigenous Knowledge Philippines, Philippines 2021

64p.

9786219645300

\$ 10.00 / null

100 gm.

Wise and sustainable practices for growing food to nourish your family and

community.
"The ba-eng helps a lot in living a good life, and this is why the Ibaloys have the food garden near the house. Sometimes, the term ba-eng is translated as backyard garden. But for the Ibaloys, the ba-eng is all around the house: in the backyard, in the frontyard, and the sides too. This makes it easy to tend the garden and to harvest and bring home the food for our meals. We then translate the term ba-eng to mean'home garden.'

https://www.marymartin.com/web?pid=833998

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