

NEW TITLES

Prepared by Jessica Sims

If you are interested in reviewing a book on this list, please contact Jessica Sims (bookrevieweditor@canadianfieldnaturalist.ca). This list covers a range of upcoming and new releases in field biology, ecology, and natural history. We also welcome your suggestions for new titles and offers to review unlisted books with a Canadian connection, including those on any species (native or non-native) that inhabits Canada, or books covering topics of global relevance, including climate change, biodiversity, species extinction, habitat loss, evolution, and field research experiences.

Please note: Books marked with a * have already been assigned to a *Canadian Field-Naturalist* reviewer. All other books are available for review, and review copies of books marked with a † have been explicitly offered by publishers.

Currency Codes: CAD Canadian Dollars, AUD Australian Dollars, USD United States Dollars, EUR Euros, GBP British Pounds.

BIOLOGY

Ancestors in Evolutionary Biology: Linear Thinking about Branching Trees. By Ronald A. Jenner. 2022. Cambridge University Press. 385 pages, 79.95 CAD, Hardcover.

†**The Cosmic Oasis: the Remarkable Story of Earth's Biosphere.** By Mark Williams and Jan Zalasiewicz. 2022. Oxford University Press. 288 pages, 27.95 USD, Hardcover. Also available as an E-book.

Cryptic Species: Morphological Stasis, Circumscription, and Hidden Diversity. Edited by Alexandre K. Monro and Simon J. Mayo. 2022. Cambridge University Press. 350 pages and 75 black and white illustrations, 102.95 CAD, Hardcover.

Dancing Cockatoos and the Dead Man Test: How Behaviour Evolves and Why it Matters. By Marlene Zuk. 2022. W.W. Norton. 352 pages, 38.95 CAD, Hardcover.

The Earth: a Biography of Life: the Story of Life on our Planet through 47 Incredible Organisms. By Elsa Panciroli. 2022. Greenfinch. 256 pages, 44.00 CAD, Hardcover, 20.99 CAD, E-book.

The Evolution of Agency: Behavioral Organization from Lizards to Humans. By Michael Tomasello. 2022. MIT Press. 176 pages, 30.00 USD, Hardcover, 24.90 USD, E-book.

Evolution of Learning and Memory Mechanisms. Edited by Mark A. Krause, Karen L. Hollis, and Mauricio R. Papini. 2022. Cambridge University Press. 400 pages, 137.95 CAD, Hardcover, 49.95 CAD, Paper.

The Hidden Universe: Adventures in Biodiversity. By Alexandre Antonelli. Illustrations by Lizzie Harper. 2022. University of Chicago Press. 256 pages and 26 halftones. 22.00 USD, Hardcover. Also available as an E-book.

An Immense World: How Animal Senses Reveal the Hidden Realms Around Us. By Ed Yong. 2022. Knopf Canada. 464 pages, 38.00 CAD, Hardcover, 16.99 CAD, E-book.

Much Like Us: What Science Reveals about the Thoughts, Feelings, and Behaviour of Animals. By Norbert Sachser. Translated by Ruby Bilger. 2022. Cambridge University Press. 166 pages, 27.95 CAD, Hardcover.

Power in the Wild: the Subtle and Not-So-Subtle Ways Animals Strive for Control over Others. By Lee Alan Dugatkin. 2022. University of Chicago Press. 208 pages, 32.50 CAD, Hardcover, 24.99 CAD, E-book.

Sexus Animalis: There is Nothing Unnatural in Nature. By Emmanuelle Pouydebat. Translated by Erik Butler. 2022. MIT Press. 184 pages, 65 colour illustrations, and 14 black and white illustrations, 39.95 CAD, Hardcover.

What Is Regeneration? By Jane Maienschein and Kate MacCord. 2022. University of Chicago Press. 184 pages and 18 halftones, 20.00 USD, Paper. Also available as an E-book.

Women in Field Biology: a Journey into Nature. By Martha L. Crump and Michael J. Lannoo. 2022. CRC Press. 316 pages and 116 black and white illustrations, 104.00 USD, Hardcover, 39.96 USD, Paper. Also available as an E-book.

BOTANY

Chasing Plants: Journeys with a Botanist through Rainforests, Swamps, and Mountains. By Chris Thorogood. 2022. University of Chicago Press. 224 pages, 40 colour plates, and 76 halftones, 27.50 USD, Hardcover. Also available as an E-book.

Dead Wood: the Afterlife of Trees. By Ellen Wohl. 2022. Oregon State University Press. 176 pages and 51 black and white photos, 28.95 CAD, Paper.

Napoleon's Garden Island: Lost and Old Gardens of St Helena, South Atlantic Ocean. By Donal P. McCracken. 2022. University of Chicago Press. 392 pages, 38 colour plates, and 70 halftones, 50.00 USD, Hardcover. Also available as an E-book.

†**Rare Vascular Plants of Alberta. Second Edition.** By Gina Fryer, Jane Lancaster, Kimberly Ottenbreit, Christina Metke, Donna Cherniawsky, Amy Griffiths, Kristen Foreman, and Jenalee Mischkolz. 2022. Alberta Native Plant Council. Distributed in Canada by UBC Press. 664 pages, 548 colour photos, 508 illustrations, and 934 maps, 47.95 CAD, Paper.

The World Atlas of Trees and Forests: Exploring Earth's Forest Ecosystems. By Herman Shugart, Peter White, and Sassan Saatchi. 2022. Princeton University Press. 400 pages and 250+ colour photos, colour illustrations, and colour maps, 74.99 CAD, Hardcover, 54.99 CAD, E-book.

CONSERVATION AND CLIMATE CHANGE

Climate Change Adaptation: an Earth Institute Sustainability Primer. By Lisa Dale. 2022. Columbia University Press. 216 pages, 26.00 CAD, Paper.

†**Conservation and the Genomics of Populations. Third Edition.** By Fred W. Allendorf, W. Chris Funk, Sally N. Aitken, Margaret Byrne, and Gordon Luikart. Illustrations by Agostinho Antunes. 2022. Oxford University Press. 784 pages and 321 colour line figures and illustrations, 152.03 CAD, Hardcover, 88.11 CAD, Paper, 77.07 CAD, E-book.

Fen, Bog, and Swamp: a Short History of Peatland Destruction and its Role in the Climate Crisis. By Annie Proulx. 2022. Scribner. 208 pages, 32.00 CAD, Hardcover, 15.99 CAD, E-book.

An Introduction to Conservation Biology. Third Edition. By Anna A. Sher. 2022. Sinauer Associates. 528 pages, 104.99 USD, Paper. Also available as an E-book.

Negative Ecologies: Fossil Fuels and the Discovery of the Environment. By David Bond. 2022. University of California Press. 262 pages, 85.00 USD, Hardcover, 29.95 USD, Paper. Also available as an E-book.

Nowhere Left to Go: How Climate Change is Driving Species to the Ends of the Earth. By Benjamin Von Brackel. Translated by Ayça Türkoğlu. 2022. The Experiment. 288 pages, 34.95 CAD, Hardcover, 24.99 CAD, E-book.

Requiem for America's Best Idea: National Parks

in the Era of Climate Change. By Michael J. Yochim. 2022. High Road Books. 288 pages and 32 colour plates, 34.95 USD, Hardcover. Also available as an E-book.

Rewilding the Sea: How to Save our Oceans. By Charles Clover. Illustrations by Emily Faccini. 2022. Witness Books. 288 pages, 21.99 GBP, Hardcover.

Ripple Effects: How We're Loving our Lakes to Death. By Ted J. Rulseh. 2022. University of Wisconsin Press. 288 pages and 32 black and white illustrations, 26.95 USD, Hardcover.

Transforming Biodiversity Governance. Edited by Ingrid J. Visseren-Hamakers and Marcel T.J. Kok. 2022. Cambridge University Press. 374 pages, 126.95 CAD, Hardcover.

Trees Are Shape Shifters: How Cultivation, Climate Change, and Disaster Create Landscapes. By Andrew S. Mathews. 2022. Yale University Press. 320 pages, 85.00 USD, Hardcover, 37.50 USD, Paper.

†**Wilder: How Rewilding is Transforming Conservation and Changing the World.** By Millie Kerr. 2022. Bloomsbury Sigma. 320 pages, 37.00 CAD, Hardcover, 20.79 CAD, E-book.

ECOLOGY

Can Microbial Communities Regenerate? Uniting Ecology and Evolutionary Biology. By Andrew Inkpen and Ford Doolittle. 2022. University of Chicago Press. 136 pages, 123.50 CAD, Hardcover, 28.25 CAD, Paper, 19.99 CAD, E-book.

Competition Theory in Ecology. By Peter A. Abrams. 2022. Oxford University Press. 320 pages and 43 colour illustrations, 90.00 USD, Hardcover, 45.00 USD, Paper. Also available as an E-book.

Field Guide to Rivers and Streams: Discovering Running Waters and Aquatic Life. By Ryan Utz. 2022. Falcon Guides. 304 pages, 31.95 CAD, Paper, 24.39 CAD, E-book.

Foundations of Ecology II: Classic Papers with Commentaries. Edited by Thomas E. Miller and Joseph Travis. 2022. University of Chicago Press. 920 pages, 75.00 USD, Paper. Also available as an E-book.

Handbook of Quantitative Ecology. By Justin Kitzes. 2022. University of Chicago Press. 176 pages, 123.50 CAD, Hardcover, 34.53 CAD, Paper, 24.99 CAD, E-book.

ENTOMOLOGY

Caterpillars in the Middle: Tritrophic Interactions in a Changing World. Edited by Robert J. Marquis

and Suzanne Koptur. Foreword by Elizabeth Bernays. 2022. Springer Nature. 642 pages, 105 colour illustrations, and 30 black and white illustrations, 99.99 USD, Hardcover, 79.99 USD, E-book.

Communication Between Honeybees: More than Just a Dance in the Dark. By Jürgen Tautz. 2022. Springer Nature. 128 pages and 49 colour illustrations, 22.99 GBP, Hardcover.

Insects and their Beneficial Microbes. By Angela E. Douglas. 2022. Princeton University Press. 352 pages, 53.99 CAD, Hardcover, 39.89 CAD, E-book.

The Mind of a Bee. By Lars Chittka. 2022. Princeton University Press. 272 pages and 57 colour illustrations, 38.00 CAD, Hardcover. Also available as an E-book.

The Surprising Lives of Bark Beetles: Mighty Foresters of the Insect World. By Jiri Hulcr and Marc Abrahams. 2022. University Press of Florida. 112 pages, 26.95 USD, Paper.

HERPETOLOGY

Captive Habitats: Building, Furnishing and Maintaining Naturalistic Vivariums and Enclosures. By Beat Akeret. 2022. Edition Chimaira. 128 pages and 181 colour photos, 39.80 EUR, Hardcover.

Exotic Amphibians and Reptiles of the United States. By Walter E. Meshaka Jr., Suzanne L. Collins, R. Bruce Bury, and Malcolm L. McCallum. 2022. University Press of Florida. 260 pages, 55.00 USD, Hardcover.

ORNITHOLOGY

Birds of the Mesozoic: an Illustrated Field Guide. By Juan Benito. Illustrations by Roc Olivé Pous. 2022. Lynx Edicions. 200 pages and 250+ colour illustrations, 24.00 EUR, Paper.

†**The Call of the Cranes: Expeditions into a Mysterious World.** By Bernhard Wessling. 2022. Springer Nature. 254 pages and 45 colour illustrations, 29.99 USD, Paper, 19.99 USD, E-book.

The Canada Jay: the National Bird of Canada? By David Bird, Dan Strickland, Ryan Norris, Alain Goulet, Aaron Kylie, Mark Nadjiwan, Michel Gosselin, and Colleen Archer. Foreword by Robert Bateman. 2022. Hancock House. 88 pages, 9.95 CAD, Paper.

Elusive Birds of the Tropical Understory. Edited by John P. Whitelaw, Jeffrey D. Brawn, Henry S. Pollock, and John W. Fitzpatrick. Photography by John P. Whitelaw. 2022. Comstock Publishing. 176 pages and 54 colour photos, 53.95 CAD, Hardcover.

Loons: Treasured Symbols of the North. By Wayne

Lynch. 2022. Fitzhenry & Whiteside. 232 pages, 45.00 CAD, Hardcover.

Low-Carbon Birding. Edited by Javier Caletrio. Foreword by Mike Clarke. 2022. Pelagic Publishing. 276 pages, 16.99 GBP, Hardcover. Also available as an E-book.

Sturkie's Avian Physiology. Seventh Edition. Edited by Colin G. Scanes and Sami Dridi. 2022. Academic Press. 1430 pages, 175.00 USD, Hardcover. Also available as an E-book.

ZOOLOGY

Bats: their Biology and Behaviour. By Tony Hutson. 2022. Comstock Publishing. 160 pages and 107 colour photos, 23.95 USD, Paper.

Biology of Sharks and their Relatives. Third Edition. Edited by Jeffrey C. Carrier, Colin A. Simpfendorfer, Michael R. Heithaus, and Kara E. Yopak. 2022. CRC Press. 840 pages, 159 colour illustrations, and 60 black and white illustrations, 96.00 USD, Hardcover. Also available as an E-book.

†**Caribou: Wind Walkers of the Northern Wilderness.** By Mark Raycroft and Pili Palm-Leis. 2022. Firefly Books. 160 pages and 100 colour photos, 24.95 CAD, Paper.

The Conchological Albums: Terrestrial Molluscs. Volume 10: Camaenidae (6). By Guido T. Poppe, Sheila P. Tagaro, and Philippe Poppe. 2022. ConchBooks. 203 pages and 95 plates, 58.00 EUR, Hardcover.

Ethology and Behavioural Ecology of Sirenia. Edited by Helene Marsh. 2022. Springer Nature. 417 pages, 43 colour illustrations, and 19 black and white illustrations, 222.50 CAD, Hardcover. Also available as an E-book.

Fascinating Shells: an Introduction to 121 of the World's Most Wonderful Mollusks. By Andrea Salvador. 2022. University of Chicago Press. 256 pages and 123 colour plates, 29.50 CAD, Hardcover, 21.99 CAD, E-book.

From the Seashore to the Seafloor: an Illustrated Tour of Sandy Beaches, Kelp Forests, Coral Reefs, and Life in the Ocean's Depths. By Janet Voight. Illustrations by Peggy Macnamara. Foreword by David Quammen. 2022. University of Chicago Press. 144 pages and 76 colour plates, 32.50 CAD, Hardcover.

A Guide to the Deer of the World. By Charles Smith-Jones. Foreword by Susana González and Noam Werner. 2022. Stackpole Books. 320 pages, 97.00 CAD, Hardcover.

†**Planktonia: the Nightly Migration of the Ocean's Smallest Creatures.** By Erich Hoyt. 2022. Firefly Books. 176 pages and 150 colour photos, 35.00 CAD, Hardcover.

Platypus Matters: the Extraordinary Story of Australian Mammals. By Jack Ashby. 2022. University of Chicago Press. 400 pages, 23 colour plates, and 14 halftones, 29.00 USD, Hardcover. Also available as an E-book.

Polar Bears: Beloved and Betrayed. By Morten Jørgensen. 2022. Self-published. 208 pages, 100+ colour illustrations, and black and white photos, and colour illustrations, 40.00 EUR, Paper.

Small Carnivores: Evolution, Ecology, Behaviour and Conservation. Edited by Emmanuel Do Linh San, Jun J. Sato, Jerrold L. Belant, and Michael J. Somers. Foreword by Anne Rasa. 2022. Wiley. 602 pages, 120.00 CAD, Hardcover, 96.99 CAD, E-book.

Spiders of North America. By Sarah Rose. Foreword by Eric R. Eaton. 2022. Princeton University Press. 624 pages, 2830 colour illustrations, and 508 maps, 35.00 USD, Paper. Also available as an E-book.

OTHER

Audubon at Sea: the Coastal and Transatlantic Adventures of John James Audubon. Edited by Christoph Irmscher and Richard J. King. Foreword by Subhankar Banerjee. 2022. University of Chicago Press. 352 pages, 20 colour plates, and 38 halftones, 30.00 USD, Hardcover, 29.99 USD, E-book.

Biotic Borders: Transpacific Plant and Insect Migration and the Rise of Anti-Asian Racism in America, 1890–1950. By Jeannie N. Shinozuka. 2022. University of Chicago Press. 296 pages and 17 halftones, 123.50 CAD, Hardcover, 39.00 CAD, Paper, 29.99 CAD, E-book.

†**Cornerstones: Wild Forces that can Change our World.** By Benedict Macdonald. 2022. Bloomsbury Wildlife. 256 pages, 33.00 CAD, Hardcover, 18.49 CAD, E-book.

The Correspondence of Charles Darwin. Volume 29 (1881). Edited by Frederick Burkhardt, James A. Secord, and the editors of the Darwin Correspondence Project. 2022. Cambridge University Press. 1022 pages, 143.95 CAD, Hardcover.

I Never Met a Rattlesnake I Didn't Like: a Memoir. By David Carpenter. 2022. Thistle-down Press. 232 pages, 24.95 CAD, Paper.

The Inland Island: a Year in Nature. By Josephine Johnson. 2022. Scribner. 192 pages, 25.00 CAD, Pa-

per, 13.99 CAD, E-book. First published in 1969.

Killing Bugs for Business and Beauty: Canada's Aerial War against Forest Pests, 1913–1930. By Mark Kuhlberg. 2022. University of Toronto Press. 284 pages and 36 black and white illustrations, 95.00 CAD, Hardcover, 42.95 CAD, Paper. Also available as an E-book.

Lakes: their Birth, Life, and Death. By John Richard Saylor. 2022. Timber Press. 240 pages, 37.95 CAD, Hardcover, 16.99 CAD, E-book.

Lookout: Love, Solitude, and Searching for Wild-fire in the Boreal Forest. By Trina Moyles. 2022. Random House of Canada. 328 pages, 21.00 CAD, Paper, 13.99 CAD, E-book.

The Magic of Mushrooms: Fungi in Folklore, Superstition, and Traditional Medicine. By Sandra Lawrence. 2022. Welbeck Publishing. 208 pages, 22.99 CAD, Hardcover.

Mushrooms of the Pacific Northwest. Edition, Revised and Updated. By Steve Trudell. 2022. Timber Press. 416 pages, 29.99 USD, Paper. Also available as an E-book.

Salmon Wars: the Dark Underbelly of Our Favorite Fish. By Douglas Frantz and Catherine Collins. 2022. Henry Holt and Co. 368 pages, 39.99 CAD, Hardcover, 15.99 CAD, E-book.

Screening Nature and Nation: the Environmental Documentaries of the National Film Board, 1939–1974. By Michael D. Clemens. 2022. AU Press. 232 pages, 29.99 CAD, Paper. Also available as an E-book.

The Sloth Lemur's Song: Madagascar from the Deep Past to the Uncertain Present. By Alison Richard. 2022. University of Chicago Press. 352 pages, 12 colour plates, and 50 halftones, 27.00 USD, Hardcover. Also available as an E-book.

Soundings: Journeys in the Company of Whales: a Memoir. By Doreen Cunningham. 2022. Scribner. 320 pages, 36.99 CAD, Hardcover, 17.99 CAD, E-book.

Traces of the Animal Past: Methodological Challenges in Animal History. Edited by Jennifer Bonnell and Sean Kheraj. 2022. University of Calgary Press. 284 pages and 65 illustrations, 74.99 CAD, Hardcover, 42.99 CAD, Paper.

When Animals Dream: the Hidden World of Animal Consciousness. By David M. Peña-Guzmán. 2022. Princeton University Press. 272 pages, 24.95 USD, Hardcover. Also available as an E-book.