

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

A Natural History of the Future: What the Laws of Biology Tell Us about the Destiny of the Human Species. By Rob Dunn. 2021. Basic Books. 320 pages, 38.00 CAD, Hardcover, 21.99 CAD, E-book.

The Individual in the Animal Kingdom. By Julian S. Huxley. Foreword by Richard Gawne and Jacobus J. Boomsma. 2022. MIT Press. 192 pages, 34.53 CAD, Hardcover, 27.19 CAD, E-book. First published in 1912.

Life in the Open Ocean: the Biology of Pelagic Species. By Joseph J. Torres and Thomas G. Bailey. 2022. Wiley. 1008 pages, 113.95 CAD, Hardcover.

†**The Parrot in the Mirror: How Evolving to be like Birds Makes us Human.** By Antone Martinho-Truswell. 2022. Oxford University Press. 224 pages, 19 black and white images, and four colour plates, 24.95 USD, Hardcover.

Sex in City Plants, Animals, Fungi, and More: a Guide to Reproductive Diversity. By Kenneth D. Frank. 2022. Columbia University Press. 208 pages, 39.00 CAD, Paper.

Sounds Wild and Broken: Sonic Marvels, Evolution's Creativity, and the Crisis of Sensory Extinction. By David George Haskell. 2022. Viking. 448 pages, 39.00 CAD, Hardcover, 16.99 CAD, E-book.

BOTANY

Field Study: Meditations on a Year at the Herbarium. By Helen Humphreys. 2021. ECW Press. 232 pages, 32.95 CAD, Hardcover, 14.39 CAD, E-book.

Floral Diagrams: an Aid to Understanding Flower Morphology and Evolution. Second Edition. By Louis P. Ronse De Craene. 2022. Cambridge University Press. 500 pages and 28 new diagrams, 68.95 CAD, Paper.

Gifted Earth: the Ethnobotany of the Quinault and Neighboring Tribes. By Douglas Deur in Cooperation with the Quinault Indian Nation. 2022. Oregon State University Press. 272 pages, 36.95 CAD, Paper.

Hidden Beauty: an Exploration of Qatar's Native and Naturalised Flora. By Renee Richer and Sabrina Knees. 2022. Akkadia Press. 532 pages, 134.00 GBP, Hardcover.

Kaplan's Principles of Plant Morphology. First Edition. By Donald Kaplan and Chelsea D. Specht. 2022. CRC Press. 1317 pages and 1848 black and white illustrations, 484.00 CAD, Hardcover.

Native and Ornamental Conifers in the Pacific Northwest: Identification, Botany, and Natural History. By Elizabeth A. Price. 2022. Oregon State University Press. 344 pages, 30.95 CAD, Paper.

Nepenthes: the Tropical Pitcher Plants, Volumes 1, 2, and 3. By Stewart McPherson. 2022. Redfern Natural History. 1350 pages and 3000+ colour photos, 149.97 GBP, Paper.

Now is the Time for Trees: Make an Impact by Planting the Earth's Most Valuable Resource. By Arbor Day Foundation, Dan Lambe, and Lorene Edwards Forkner. 2022. Timber Press. 216 pages, 26.95 CAD, Paper.

Ontario's Old-Growth Forests. Second Edition. By Michael Henry and Peter Quinby. 2021. Fitzhenry & Whiteside. 224 pages, 40.00 CAD, Hardcover.

Shrubs to Know in Pacific Northwest Forests. By Edward C. Jensen. 2022. Oregon State University Press. 148 pages, 18.95 CAD, Paper.

†**Stelar Evolution and Morphology in Selected Taxa based on Vasculotaxy (*studium novum*).** Second Edition. By Kevin R. Aulenback. 2022. Kevin

Aulenback. 264 pages and 258 figures and illustrations, 149.95 CAD, Paper.

Urban Lichens: a Field Guide for Northeastern North America. By Jessica L. Allen and James C. Lendemer. Illustrated by Jordan R. Hoffman. 2021. Yale University Press. 168 pages and 121 colour illustrations, 33.95 CAD, Paper.

CONSERVATION AND CLIMATE CHANGE

The Atlas of a Changing Climate: Our Evolving Planet Visualized with More Than 100 Maps, Charts, and Infographics. By Brian Buma. 2021. Timber Press. 280 pages, 48.00 CAD, Hardcover.

Birds, Beasts and Bedlam: Turning My Farm into an Ark for Lost Species. By Derek Gow. 2022. Chelsea Green Publishing. 208 pages, 25.00 USD, Hardcover.

A Blue New Deal: Why We Need a New Politics for the Ocean. By Chris Armstrong. 2022. Yale University Press. 272 pages, 39.00 CAD, Hardcover, 29.99 CAD, E-book.

A Brief History of the Earth's Climate: Everyone's Guide to the Science of Climate Change. By Steven Earle. 2021. New Society Publishers. 208 pages, 19.99 CAD, Paper, 15.99 CAD, E-book.

The Chimpanzee Whisperer: a Life of Love and Loss, Compassion and Conservation. By Stany Nyandwi. 2022. Arcade. 232 pages, 36.99 CAD, Hardcover.

Ever Green: Saving Big Forests to Save the Planet. By John W. Reid and Thomas E. Lovejoy. 2022. W.W. Norton. 320 pages, 40.00 CAD, Hardcover, 30.99 CAD, E-book.

Global Warming of 1.5°C: IPCC Special Report on Impacts of Global Warming of 1.5°C above Pre-Industrial Levels in Context of Strengthening Response to Climate Change, Sustainable Development, and Efforts to Eradicate Poverty. By Intergovernmental Panel on Climate Change (IPCC). 2022. Cambridge University Press. 630 pages, 114.95 CAD, Paper. Freely available as PDF from <https://www.ipcc.ch/sr15/>.

Hurricane Lizards and Plastic Squid: the Fraught and Fascinating Biology of Climate Change. By Thor Hanson. 2021. Basic Books. 304 pages, 35.00 CAD, Hardcover, 20.99 CAD, E-book.

†**Infectious Disease Ecology and Conservation.** By Johannes Foufopoulos, Gary A. Wobeser, and Hamish McCallum. 2022. Oxford University Press. 304 pages, 80 colour images, and 13 tables, 100.00 USD, Hardcover, 91.99 CAD, Paper.

Is Science Enough? Forty Critical Questions About Climate Justice. By Aviva Chomsky. 2022. Beacon Press. 240 pages, 22.00 CAD, Paper.

Life on the Rocks: Building a Future for Coral Reefs. By Juli Berwald. 2022. Riverhead Books. 352 pages, 37.00 CAD, Hardcover, 16.99 CAD, E-book.

Managing Environmental Conflict: an Earth Institute Sustainability Primer. By Joshua D. Fisher. 2022. Columbia University Press. 216 pages, 104.00 CAD, Hardcover.

The Nature of Tomorrow: a History of the Environmental Future. By Michael Rawson. 2021. Yale University Press. 248 pages, 39.00 CAD, Hardcover, 29.99 CAD, E-book.

Save Our Species: Endangered Animals and How You Can Save Them. By Dominic Couzens. Illustrated by Sarah Edmonds. 2021. HarperCollins. 240 pages, 19.99 CAD, Hardcover.

Security and Conservation: the Politics of the Illegal Wildlife Trade. By Rosaleen Duffy. 2022. Yale University Press. 304 pages, 45.50 CAD, Hardcover, 34.99 CAD, E-book.

The Treeline: the Last Forest and the Future of Life on Earth. By Ben Rawlence. 2022. St. Martin's Publishing Group. 320 pages, 39.99 CAD, Hardcover, 15.99 CAD, E-book.

Wetlands Conservation: Current Challenges and Future Strategies. Edited by Sanjeev Sharma and Pardeep Singh. 2021. Wiley. 320 pages, 165.00 USD, Hardcover.

†**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.

Why Conserve Nature? Perspectives on Meanings and Motivations. By Stephen Trudgill. 2022. Cambridge University Press. 412 pages, 126.95 CAD, Hardcover.

ECOLOGY

The Great Eagles: Their Evolution, Ecology, and Conservation. By Michael O'Neal Campbell. 2022. CRC Press. 624 pages, 399.50 CAD, Hardcover.

Insect Ecology: an Ecosystem Approach. Fifth Edition. By Timothy Schowalter. 2022. Academic Press. 942 pages, 224 CAD, Hardcover.

†**Methods for Ecological Research on Terrestrial Small Mammals.** By Robert McCleery, Ara Monadjem,

L. Mike Conner, James D. Austin, and Peter John Taylor. 2022. Johns Hopkins University Press. 380 pages, 59.95 USD, Hardcover or E-book.

Mycorrhizal Dynamics in Ecological Systems. By Michael F. Allen. 2022. Cambridge University Press. 318 pages, 105.00 USD, Hardcover, 49.99 USD, Paper, 40.00 USD, E-book.

Vultures of the World: Essential Ecology and Conservation. By Keith L. Bildstein. 2022. Cornell University Press. 256 pages, 47.95 CAD, Hardcover, 16.99 CAD, E-book.

Watersheds: a Practical Handbook for Healthy Water. Second Edition. By Clive Dobson and Gregor Gilpin Beck. 2022. Firefly Books. 160 pages and 100+ illustrations, 19.95 CAD, Paper.

Worlds of Gray and Green: Mineral Extraction as Ecological Practice. By Sebastián Ureta and Patricio Flores. 2022. University of California Press. 162 pages, 85.00 USD, Hardcover, 29.95 USD, Paper or E-book.

ENTOMOLOGY

Endless Forms: the Secret World of Wasps. By Scirian Sumner. 2022. HarperCollins. 400 pages, 35.99 CAD, Hardcover, 14.99 CAD, E-book.

The Guests of Ants: How Myrmecophiles Interact with Their Hosts. By Bert Hölldobler and Christina L. Kwapich. 2022. Belknap Press. 576 pages, 205 colour photographs, and 15 colour illustrations, 69.95 USD, Hardcover.

The Insect Crisis: the Fall of the Tiny Empires That Run the World. By Oliver Milman. 2022. W.W. Norton. 272 pages, 36.95 CAD, Hardcover, 26.59 CAD, E-book.

Insect Diapause. By David L. Denlinger. 2022. Cambridge University Press. 464 pages, 74.95 CAD, Hardcover.

Pollinators in Crisis: How We Can All Give Them a Helping Hand. By Michael Fogden. Photographs by Patricia Fogden. 2022. NatureBureau. 184 pages, 24.50 GBP, Hardcover.

***Tiger Beetles of Manitoba: Life History, Ecology and Microsculpture.** By Robert E. Wrigley. 2022. Robert E. Wrigley. 106 pages and 80 images, 20.00 CAD, Paper.

HERPETOLOGY

Amphibian Biology, Volume 9, Part 5: the Conservation and Biogeography of Amphibians in the

Caribbean. Edited by Neftalí Ríos-López and Harold Heatwole. 2022. Pelagic Publishing. 576 pages, 120.00 GBP, Hardcover.

Sea Turtles to Sidewinders: a Guide to the Most Fascinating Reptiles and Amphibians of the West. By Charles Hood, Erin Westeen, and Jose Gabriel Martinez-Fonseca. 2022. Timber Press. 26.95 CAD, Paper, 15.99 CAD, E-book.

The Secret Life of the Adder: the Vanishing Viper. By Nicholas Milton. 2022. White Owl. 168 pages, 49.95 USD, Hardcover, 13.49 USD, E-book.

ORNITHOLOGY

Around the World in 80 Birds. By Mike Unwin. Illustrated by Ryuto Miyake. 2022. Laurence King Publishing. 224 pages, 35.99 CAD, Hardcover.

†**Bird Migration: a New Understanding.** By John Rappole. 2022. Johns Hopkins University Press. 344 pages, 34.95 USD, Hardcover or E-book.

Birds and Us: a 12,000-Year History from Cave Art to Conservation. By Tim Birkhead. 2022. Princeton University Press. 496 pages, 35.00 USD, Hardcover.

Conservation of Marine Birds. First Edition. Edited by Lindsay Young and Eric Vanderwerf. 2022. Academic Press. 441 pages, 150.00 CAD, Paper.

Gulls of North America. By Fred Shaffer, III. 2022. Schiffer Publishing. 288 pages and 500+ colour photos, 28.99 CAD, Paper.

Halcyon Journey: in Search of the Belted Kingfisher. By Marina Richie. Illustrated by Ram Papish. 2022. Oregon State University Press. 264 pages, 19 black and white images, and one map, 30.95 CAD, Paper.

Hummingbirds: a Celebration of Nature's Jewels. By Glenn Bartley and Andy Swash. Illustrated by Jeanne Melchels. 2022. Princeton University Press. 288 pages, 550 colour photos, 25 colour illustrations, and 57 black and white illustrations, 47.99 CAD, Hardcover, 34.99 CAD, E-book.

Learning the Birds: a Midlife Adventure. By Susan Fox Rogers. 2022. Three Hills. 320 pages, 28.95 USD, Hardcover, 13.99 USD, E-book.

The Origin and Distribution of Birds in Coastal Alaska and British Columbia: the Lost Manuscript of Ornithologist Harry S. Swarth. By Christopher W. Swarth. 2022. Oregon State University Press. 170 pages, 36.95 CAD, Paper.

The Screaming Sky: in Pursuit of Swifts. By Charles Foster. 2021. Little Toller Books. 185 pages, 12.00 GBP, Paper, 9.99 CAD, E-book. Hardcover edition published in 2021.

†**The Secret Perfume of Birds: Uncovering the Science of Avian Scent.** By Danielle Whittaker. 2022. Johns Hopkins University Press. 296 pages, 27.95 USD, Hardcover or E-book.

ZOOLOGY

†**Annelida.** By Greg Rouse, Fredrik Pleijel, and Ekin Tilic. 2022. Oxford University Press. 432 pages, 155 colour line figures and illustrations, and 16 colour gallery illustrations, 165.00 USD, Hardcover.

†**Field Guide to Whales, Dolphins and Porpoises.** By Mark Carwardine. Illustrations by Martin Camm. 2022. Bloomsbury Wildlife. 288 pages and 500+ illustrations, 29.00 CAD, Paper, 20.89 CAD, E-book.

†**The Hair Scale Identification Guide to Terrestrial Carnivores of Canada.** By Justin Kestler. 2022. Pelagic Publishing. 128 pages, 30.00 GBP, Paper.

The Kootenay Wolves: Five Years Following a Wild Wolf Pack. By John E. Marriott. 2022. Rocky Mountain Books. 176 pages, 45.00 CAD, Hardcover.

A Miscellany of Bats. By M. Brock Fenton and Jens Rydell. 2022. Pelagic Publishing. 208 pages, 54.00 CAD, Paper.

Oribatid Mites: Biodiversity, Taxonomy and Ecology. By Valerie Behan-Pelletier and Zoë Lindo. 2022. CRC Press. 376 pages, 130.00 USD, Hardcover.

Primate Cognitive Studies. By Bennett L. Schwartz and Michael J. Beran. 2022. Cambridge University Press. 500 pages, 149.95 CAD, Hardcover.

The Process of Animal Domestication. By Marcelo Sánchez-Villagra. 2022. Princeton University Press. 352 pages, 110.00 USD, Hardcover, 45.00 USD, Paper.

Reindeer Reflections: Lessons from an Ancient Culture. By Jerry Haigh. 2021. Rocky Mountain Books. 280 pages, 32.00 CAD, Hardcover.

The Rise and Reign of the Mammals: a New History, from the Shadow of the Dinosaurs to Us. By Steve Brusatte. 2022. Mariner Books. 528 pages, 36.99 CAD, Hardcover, 14.99 CAD, E-book.

The Social Lives of Animals: How Co-operation Conquered the Natural World. By Ashley Ward. 2022. Basic Books. 384 pages, 38.00 CAD, Hardcover, 21.99 CAD, E-book.

†**Why Sharks Matter: a Deep Dive with the World's Most Misunderstood Predator.** By David Shiffman. 2022. Johns Hopkins University Press. 383 pages, 24.95 USD, Hardcover or E-book.

OTHER

†**30 Animals That Made Us Smarter: Stories of the Natural World That Inspired Human Ingenuity.** By Patrick Aryee. 2022. Island Press. 384 pages and 42 illustrations, 25.00 USD, Paper, 24.99 USD, E-book.

The Accidental Ecosystem: People and Wildlife in American Cities. By Peter S. Alagona. 2022. University of California Press. 296 pages, 29.95 USD, Hardcover or E-book.

A Brief History of Earth: Four Billion Years in Eight Chapters. By Andrew H. Knoll. 2021. Custom House. 272 pages, 30.00 CAD, Hardcover.

A Clouded Leopard in the Middle of the Road: New Thinking about Roads, People, and Wildlife. By Darryl Jones. 2022. Cornell University Press. 272 pages, 25.95 CAD, Paper, 10.29 CAD, E-book.

Our Common Ground: a History of America's Public Lands. By John D. Leshy. 2022. Yale University Press. 736 pages, 58.50 CAD, Hardcover, 44.99 CAD, E-book.

The Complete Guide to Restoring Your Soil: Improve Water Retention and Infiltration, Support Microorganisms and Other Soil Life, Capture More Sunlight, and Build Better Soil with No-Till, Cover Crops, and Carbon-Based Soil Amendments. By Dale Strickler. 2021. Storey Publishing. 352 pages, 33.95 CAD, Paper.

Dark Days at Noon: the Future of Fire. By Edward Struzik. 2022. McGill-Queens University Press. 320 pages, 39.95 CAD, Hardcover.

Diary of a Young Naturalist. By Dara McAnulty. 2021. Greystone. 226 pages, 29.95 CAD, Hardcover.

The Fallen Stones: Chasing Butterflies, Discovering Mayan Secrets, and Looking for Hope Along the Way. By Diana Marcum. 2022. Little A. 220 pages, 34.95 CAD, Hardcover.

Forest School for Grown-ups: Explore the Wisdom of the Woods. By Richard Irvine. Illustrated by Paul Oakley. 2022. Chronicle Books. 160 pages, 39.95 CAD, Hardcover, 17.59 CAD, E-book.

How to Forage for Mushrooms without Dying: an Absolute Beginner's Guide to Identifying 29 Wild,

Edible Mushrooms. By Frank Hyman. 2021. Storey Publishing. 256 pages, 22.95 CAD, Paper.

Islands of Abandonment: Nature Rebounding in the Post-Human Landscape. By Cal Flynn. 2021. Viking. 384 pages, 35.25 CAD, Hardcover, 24.00 CAD, Paper, 16.99 CAD, E-book.

Large Rivers: Geomorphology and Management. Second Edition. Edited by Avijit Gupta. 2022. Wiley. 1104 pages, 306.00 CAD, Hardcover.

The Lives of Fungi: a Natural History of Our Planet's Decomposers. By Britt Bunyard. 2022. Princeton University Press. 288 pages, 29.95 USD, Hardcover.

National Parks Forever: Fifty Years of Fighting and a Case for Independence. By Jonathan Jarvis and T. Destry Jarvis. 2022. University of Chicago Press. 240 pages, 34.53 CAD, Paper, 24.99 CAD, E-book.

Nature is a Human Right: Why We're Fighting for Green in a Gray World. By Ellen Miles. 2022. DK. 320 pages, 25.99 CAD, Hardcover.

Nature Writing for Every Day of the Year. Edited by Jane McMorland Hunter. 2021. Batsford. 464 pages, 39.99 CAD, Hardcover.

One Inch from Disaster: True Tales from the Wilds of British Columbia. By Kelly Randall Ricketts. 2022. Harbour Publishing. 256 pages, 22.95 CAD, Paper, 12.79 CAD, E-book.

Otherlands: Journeys in Earth's Extinct Ecosystems. By Thomas Halliday. 2022. Allen Lane. 416 pages, 36.00 CAD, Hardcover, 16.99 CAD, E-book.

Rivers Run Through Us: a Natural and Human History of Great Rivers of North America. By Eric

B. Taylor. 2021. Rocky Mountain Books. 464 pages, 38.00 CAD, Hardcover.

Swamp Songs: Journeys through Marsh, Meadow, and Other Wetlands. By Tom Blass. 2022. Bloomsbury. 336 pages, 18.86 CAD, E-book.

†**Tree Story: the History of the World Written in Rings.** By Valerie Trouet. 2022. Johns Hopkins University Press. 264 pages, 27.00 USD, Hardcover, 19.95 USD, Paper or E-book.

†**Urban Wild: 52 Ways to Find Wildness on Your Doorstep.** By Helen Rook. 2022. Bloomsbury Wildlife. 224 pages, 38.00 CAD, Hardcover, 21.29 CAD, E-book.

Visions of Nature: How Landscape Photography Shaped Settler Colonialism. By Jarrod Hore. 2022. University of California Press. 352 pages, 107.00 CAD, Hardcover, 37.95 CAD, Paper, 29.89 CAD, E-book.

Wildlife Photography Fieldcraft. By Susan Young. 2022. Pelagic Publishing. 240 pages, 24.99 GBP, Paper.

The Women Who Saved the English Countryside. By Matthew Kelly. 2022. Yale University Press. 400 pages, 47.09 CAD, Hardcover, 34.99 CAD, E-book.

A World Without Soil: the Past, Present, and Precarious Future of the Earth Beneath Our Feet. By Jo Handelsman and contribution by Kayla Cohen. 2021. Yale University Press. 272 pages, 36.50 CAD, Hardcover, 27.99 CAD, E-book.

The Zone: Rediscovering Our Natural Self. By Rob Wood. 2022. Rocky Mountain Books. 112 pages, 15.00 CAD Paper, 7.19 CAD, E-book.