

Identification Resources for Personal Bioblitz

GROUP 1: Arranged by organismal group.

GROUP 2: Arranged by specific geographic location.

GROUP 3: Arranged by habitat with resources for any type of organism.

Links are given when available. Geographic area covered is listed in brackets []. Informal or outdated names still used on iNaturalist are listed in quotes. The iNaturalist classification can be found here (<https://www.inaturalist.org/taxa/>). Note that some of the Facebook groups are Closed Groups, you have to request to be added as a member.

Please e-mail additions to this list to lena.struwe@rutgers.edu

GROUP 1: BY ORGANISMAL GROUP

All living things (Life)

- Website: [Encyclopedia of Life](#)
- Website: [Discover Life](#) (by organismal group)
- Keys: [Discover Life](#) (list of many keys)
- Keys: [Identification Technology Program Keys](#) (IDTools; list of many keys)
- Identotron on iNaturalist (accessible from your observations)

Archaea and Eubacteria

- Book: Dexter Dyer, [Field guide to Bacteria](#)

Protists: Flagellates, Amoebas, Ciliates, Slime molds (single-celled, non-photosynthetic protists, "Protozoa")

- Online book: Patterson, [Free-Living Freshwater Protozoa](#) (scanned book on Google docs)

Fungi: any kind, including lichens (Fungi)

- ID forum: [The Mushroom Identification Facebook Group](#)
- ID forum: [Mushroom Identification Page Facebook Group](#)
- Book: McKnight & McKnight, [A Field Guide to Mushrooms: North America](#) (Peterson Field Guides)
- Book: [Field Guide to North American Mushrooms](#), National Audubon Society
- ID forum: [Ferns, lichens and mosses Facebook Group](#)
- ID forum: [Planet Moss - Liverwort - Lichen Facebook Group](#)
- ID forum: [Lichens connecting people Facebook Group](#)

- Checklist: [Lichens, Discover Life](#) [North America]
- Book: Brodo, Sharnoff, and Sharnoff, [Lichens of North America](#)
- Online book: McCune, [Key to the Lichen Genera of the Pacific Northwest](#) [North America]
- Book: Nash, Gries & Bungartz, [Lichen Flora of the Greater Sonoran Desert Region, vol. 3](#) [SW North America]
- Photos: Sharnoff, [Lichens of North America](#)

Plants: Algae, any kind (non-natural grouping; including kelps, diatoms, seaweeds, etc.)

- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)

Plants: Mosses and liverworts (Bryophyta)

- ID forum: [Ferns, lichens and mosses Facebook Group](#)
- ID forum: [Planet Moss - Liverwort - Lichen Facebook Group](#)
- Website: [Flora of North America](#) (mosses) [North America]
- Key: [Neotropical Flora, Discover Life](#) [Tropical Americas]

Plants: Ferns and fern allies, including lycopods

- ID forum: [Ferns, lichens and mosses Facebook Group](#)
- Website: [Flora of North America](#) (not all families included) [North America]
- Key: [Ferns, Discover Life](#) [North America]
- Key: [Neotropical Flora, Discover Life](#) [Tropical Americas]

Plants: Seed plants (flowering plants and conifers)

- ID forum: [Plant Identification \(intermediate- advanced\) Facebook group](#)
- ID forum: [Plant Identification Facebook group](#)
- ID forum: [Plant Identification and Discussion Facebook group](#)
- Key: [Dried Botanical ID](#) (potpourri ingredients)
- Website: [eFloras](#) (online floras of the world, many keys, spotty geographic coverage)
- Website: [Flora of North America](#) (not all families included)
- Key: [Neotropical Flora, Discover Life](#) [Tropical Americas]
- Key: [Grasses, sedges, and rushes, Discover Life](#) (incomplete) [USA]
- Key: [Wildflowers, Discover Life](#) [USA]
- App: VTREE (trees) [North America]
- Book: Bark: A Field Guide to Trees of the Northeast (trees) [North America]
- Book: Kershner, [Field Guide to Trees of North America](#), National Wildlife Federation
- North American moth Photographers Group : <http://mothphotographersgroup.msstate.edu/>

Plants: Cultivated plants (indoor and outdoor)

- [to be filled in]

Animals: Other arthropods and invertebrates (for example Myriapoda, Annelida, Platyhelminthes, Collembola)

- Website: [BugGuide](#) [North America]
- Website: [Checklist of the Collembola](#) [Europe]

Animals: Mollusks, snails, mussels, etc. (Mollusca)

- ID forum: [Passion for shells \[Mollusca\] Facebook Group](#)
- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)

Animals: Arachnids, spiders, mites, ticks, etc. (Arachneae)

- Website: [BugGuide](#) [North America]
- ID forum: [Spider and Insect Enthusiast Facebook Group](#)
- Key: [Ticks](#), Discover Life [North America]

Animals: Insects (Insecta)

- Website: [BugGuide](#) [North America]
- ID forum: [Entomology Facebook Group](#)
- ID forum: [Insect Identification Facebook Group](#)
- Key: [Insect orders of the world](#), Discover Life
- ID forum: [Mothing and Moth-watching Facebook Group](#)
- ID forum: [Moths of the Americas and beyond Facebook Group](#)
- Key: [Moths](#), Discover Life [North America]
- Website: [Butterflies of America](#)
- Key: [Butterflies](#), Discover Life [North America]
- Key: [Caterpillars](#), Discover Life [North America]
- ID forum: [Coleoptera Facebook Group](#)
- Key: [Ladybugs](#), Discover Life [North America]
- Key: [Bees](#), Discover Life
- Key: [Bumblebees](#), Discover Life [North America]
- Checklist: [Ants](#), Discover Life
- Key: [Dragonflies](#), Discover Life [North America]
- Key: [Mosquitoes](#), Discover Life [North America]
- Key: [Crickets and katydids](#), Discover Life [North America]

Animals: Crabs, shrimps, and relatives (Crustacea)

- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)

Animals: Sea anemones, corals (Cnidaria), sea urchins, sand dollars (Echinodermata), sponges (Porifera)

- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)

Animals: Ray-finned fishes (Actinopterygii), and sharks, rays, etc.

- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)

Animals: Amphibians (frogs, salamanders),. and reptiles (snakes, lizards, turtles, etc.)

- [nothing entered yet]

Animals: Birds (Aves)

- Website: [eBird](#)
- Website: [All about Birds](#)

Animals: Mammals (Mammalia)

- [nothing entered yet]

GROUP 2: BY SPECIFIC GEOGRAPHIC AREA

Central and South America

- ID forum: [Arácnidos De Centroamérica Facebook Group](#) (arachnids, bilingual)
- Website: [Neotropical Live Plant Photos](#)
- Key: [Neotropical Flora, Discover Life](#) [Tropical Americas]

Eastern United States

- Book: Hinds & Hinds, [Macrolichens of New England](#) (lichens)
- Book: McMullin & Anderson, [Common Lichens of Northeastern North America: A Field Guide](#) (lichens)
- Book: Lendemer, Harris, & Tripp, [The Lichens and Allied Fungi of Great Smoky Mountains National Park: An Annotated Checklist with Comprehensive Keys](#) (lichens)
- Book: McKnight, [Common Mosses of the Northeast and Appalachians \(Princeton Field Guides\)](#), (mosses)
- Book: Lincoln, [Liverworts of New England: A Guide for the Amateur Naturalist](#) (liverworts)
- Book: Rhoads & Block, [Plants of Pennsylvania](#) (vascular plants)
- Website: [GoBotany](#) (vascular plants)
- Key: [Virginia Tech ID Keys](#) (vascular plants)
- ID forum: [Bugs and slugs of the Eastern United States Facebook Group](#) (invertebrates)
- Book: Gosner, [A Field Guide to the Atlantic Seashore: From the Bay of Fundy to Cape Hatteras](#), Peterson Field Guides
- ID forum: [Moths of the Eastern United States Facebook Group](#) (insects)
- ID forum: [Moths of the Eastern North America Facebook Group](#) (insects)

- ID forum: [Butterflies of the Eastern United States Facebook Group](#) (insects)
- Photos: [Seashells from the Ocean's Edge Pictorial Index](#) (see also SeashellGuide.com)
- Book: Paulson, [Dragonflies and Damselflies of the East](#), Princeton Field Guides (insects)
- Book: Wagner, [Caterpillars of Eastern North America: A Guide to Identification and Natural History](#), Princeton Field Guides (insects)
- Book: Evans, [Beetles of Eastern North America](#) (insects)
- Website: [Online Field Guide for Reptiles and Amphibians](#) (amphibians, reptiles) [New Jersey]
- ID forum: [Birds of the Eastern United States Facebook Group](#) (birds)

New Jersey, USA

- [Plants of Southern New Jersey](#)
- Key: [New Jersey Wildflowers, Discover Life](#)
- Key: [New Jersey Moths, Discover Life](#) [New Jersey]

Sweden

- [nothing entered yet]

GROUP 3: BY HABITAT

Seashore and marine environments

- ID forum: [ID Please \(Marine Creatures Identification\) Facebook Group](#)
- Book: Gosner, [A Field Guide to the Atlantic Seashore: From the Bay of Fundy to Cape Hatteras](#) (Peterson Field Guides)