

**2018 joint conference of the
Northwest Scientific Association & Northwest Lichenologists**

*Coping with Change Through Innovation: New Approaches, Tools, & Collaborations
The Evergreen State College, Olympia, Washington - March 27-30, 2018*

New Tools for Science in the 21st Century Northwest

Come see demonstrations of new field science technology, including demonstrations of LiDAR technology, drones, plant science, root cameras, and high-throughput phenotyping technology. A mix of presenters representing vendors, non-government organizations (NGOs), and academic labs will demonstrate their specialized, new cutting-edge technology. This is an interactive session so come prepared to ask questions about these tools and view activities.

Organizer: Dylan Fischer, fisher.nwscience@gmail.com

Applications in R programming for Ecology and Natural Resources

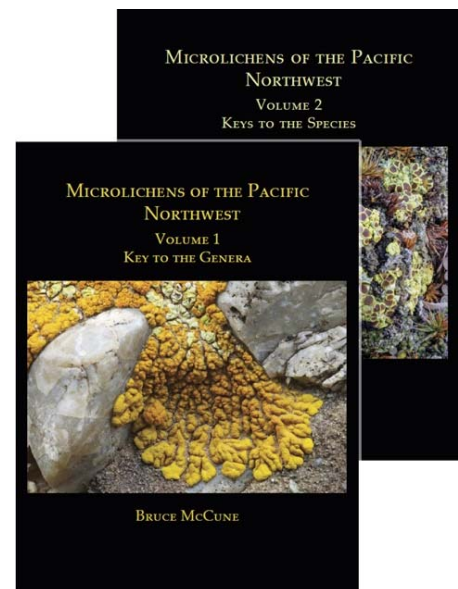
R statistical software is a free tool that is widely-used for research in ecology, natural resources, and other scientific fields. Through guided introductions we'll explore topics in data presentation and tools for research and publication using R. This workshop is for participants that have previously used R for analyses and can import data and install packages, but are looking to expand the use of R in their work.

Organizer: Matt Brousil, mbrousil@gmail.com

**Crustose Lichens on Coniferous Bark in the Pacific Northwest
& mini-foray** *presented by Northwest Lichenologists*

The 2018 NW Lichenologists lichen identification workshop will focus on PNW crust lichens of conifer bark featuring Bruce McCune's recently published keys "*Microlichens of the Pacific Northwest (Volume 1 & 2)*". A limited number of copies will be available for sale during the workshop. Attendees are encouraged to purchase a copy beforehand at:
<https://www.wildblueberrymedia.net/publications>.

Mini-Foray: Participants will have the opportunity to attend a mini-foray exploring lichen diversity of the forests and beaches of Evergreen's 1,000-acre campus on the first day of the conference (check the official schedules or details). Bring your puzzles from conifer bark or collect some on our field trips near Evergreen and bring them to the lichen ID workshop!



See NWSA conference program details for meeting time & place!

<https://www.northwestscience.org>