

Jeffrey R. Johansen

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Education

- Ph.D. Botany, Brigham Young University, 1984
Two years study in Oceanography, Texas A&M University, 1980-82
M.S. Botany, Brigham Young University, 1980
B.S. Botany, Brigham Young University, 1978

Experience

Assistant (1988-1994) and Associate (1994-present) Professor, John Carroll University
Postdoctoral Visiting Professional, Solar Energy Research Institute, 1986-88
Postdoctoral Fellowship, Washington State University, Pullman, 1984-86

Selected Grants

- 1998 Analysis of diatom periphyton communities to assess environmental effects of precision farming in the Black River Drainage. Ohio Environmental Protection Agency. \$30,000.
1998 Survey of the algae, lichens, and mosses of microbiotic crusts in selected semiarid and arid sites in western North America. National Science Foundation. \$377,000.
1997 The Cuyahoga Watershed Project: an Integrated Study in Urban Ecology. Lake Erie Protection Fund. \$9,600.
1994 Determination of algal metrics for Lake Erie estuaries. Lake Erie Protection Fund. \$72,512.
1994 Resilience of microbiotic species to military training pressures: natural and stimulated recovery following disturbance. U.S. Army Office of Research. \$738,443.
1993 Acquisition of a photomicroscope with Nomarski DIC Optics. National Science Foundation. \$26,410.
1992 Ecology and assessment of the algae of four Lake Erie Estuaries. Lake Erie Protection Fund. \$65,380.
Total external funding to John Carroll University: \$1,688,771

Editorial Service

Associate Editor, *Nova Hedwigia* (1999-present); Editorial Board, *Journal of Phycology* (1999-present); Associate Editor, *Great Basin Naturalist* (1990-present); Board of Editorial Advisors, *Phycologia* (1989-1990)

Selected Peer-Reviewed Publications (of 51 total)

- Evans, R.D. and J.R. Johansen. 1999. Microbiotic crusts and ecosystem processes. *Critical Reviews in Plant Sciences* 18:183-225.
Johansen, J.R. and J.C. Sray. 1999. *Microcostatus* gen. nov., a new aerophilic diatom genus based on *Navicula krasskei* Hustedt. *Diatom Research* 13:93-101.
Johansen, J.R. 1998. Diatoms of aerial habitats. In: Smol, J.P. and E.F. Stoermer. *Diatoms as Biological Indicators*.

- Sgro, G.V. and J.R. Johansen. 1995. Rapid bioassessment of algal periphyton in freshwater streams. Pages 291-311 in: Butterworth, F.M., L.D. Corkum and J. Guzmán-Rincón (eds.), *Biomonitoring and biomarkers as indicators of environmental change: a handbook*. Plenum Publishing Corp.
- Johansen, J.R. and J.S. Boyer. 1995. A morphometric analysis of six *Chaetoceros* strains from inland saline lakes, with a description of *Chaetoceros transisetus* sp. nov. Pages 87-101 in: Kociolek, J.P. and M.J. Sullivan (eds.), *A century of diatom research in North America: a tribute to the distinguished careers of Charles W. Reimer and Ruth Patrick*. Koeltz Scientific Books.
- Johansen, J.R., S. Lacognata and J.P. Kociolek. 1994. Examination of type material of *Denticula rainierensis* Sovereign. Pages 211-219 in: Kociolek, J.P. (ed.), Proceedings of the 11th International Diatom Symposium. *Memoirs of the California Academy of Sciences, No. 17*.
- Yearsley, K.H., S.R. Rushforth and J.R. Johansen. 1992. The diatom flora of Beaver Dam Creek, Washington County, Utah, U.S.A. *Great Basin Naturalist* 52:131-138.
- Johansen, J.R., W.R. Barclay and N. Nagle. 1990. *Chaetoceros muelleri* (Bacillariophyceae): Physiological variability within ten strains. *Journal of Phycology* 26:271-278.
- McMillan, M. and J.R. Johansen. 1988. Morphological changes in *Thalassiosira decipiens* (Bacillariophyceae) cultured in media of four different salinities. *British Journal of Phycology*. 23:307-316.
- Tadros, M.G. and J.R. Johansen. 1988. Physiological characterization of six lipid-producing diatoms from the southeastern United States. *Journal of Phycology* 24:445-452.
- Johansen, J.R. and E. Theriot. 1987. The relationship between valve diameter and number of central fulcra in *Thalassiosira weissflogii* (Bacillariophyceae). *Journal of Phycology* 23:663-665.
- Rushforth, S.R. and J.R. Johansen. 1986. The inland *Chaetoceros* (Bacillariophyceae) species of North America. *Journal of Phycology* 22:441-448.
- Kaczmarek, I., S.R. Rushforth and J.R. Johansen. 1985. *Chaetoceros amanita* Cleve-Euler (Bacillariophyceae) from Blue Lake Warm Spring, Utah, U.S.A. *Phycologia* 24:103-109.
- Johansen, J.R. and S.R. Rushforth. 1985. A contribution to the taxonomy of *Chaetoceros muelleri* Lemmerman (Bacillariophyceae) and related taxa. *Phycologia* 24:437-447.
- Johansen, J.R. and G.A. Fryxell. 1985. The genus *Thalassiosira* (Bacillariophyceae): studies on species occurring south of the Antarctic Convergence Zone. *Phycologia* 24:155-179.
- Johansen, J.R., S.R. Rushforth and J.D. Brotherson. 1983. The algal flora of Navajo National Monument, Arizona. *Nova Hedwigia* 38:501-553.
- Rushforth, S.R., I. Kaczmarek and J.R. Johansen. 1984. The subaerial diatom flora of Thurston Lava Tube, Hawaii. *Bacillaria* 7:135-157.
- Johansen, J.R., S.R. Rushforth, R. Oberndorfer, N. Fungladda and J.A. Grimes. 1983. The algal flora of selected wet walls in Zion National Park, Utah, U.S.A. *Nova Hedwigia* 38:765-808.
- Johansen, J.R., S.R. Rushforth and I. Kaczmarek. 1982. Algal populations in Bottle Hollow Reservoir, Duchesne County, Utah. *Great Basin Naturalist* 42:205-218.
- Johansen, J.R. and S.R. Rushforth. 1981. Diatoms of surface waters and soils of selected oil shale lease areas of eastern Utah. *Nova Hedwigia* 34:333-390.