

John P. Kociolek
CURRICULUM VITAE RESUMIDO
University of Colorado
Boulder

POSICIÓN ACTUAL: Director of the Museum/Professor University of Colorado, Boulder, Department of Ecology & Evolutionary Biology.

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INSTITUCIONES A LAS QUE PERTENECIÓ Y CARGOS QUE DESEMPEÑÓ

Stanford University, Graduate School of Business and Harvard Business School, October 2005 (Leading Change and Organizational Renewal), Executive Management Course
The **University of Michigan** (1983-1988), Ph.D. (Natural Resources)
Oregon State University (1982-1983), Post-graduate coursework
Bowling Green State University (1980-1982), M.S. (Biological Sciences)
University of Iowa (1980), Lakeside Laboratory, Summer coursework
University of Michigan (1979), Biological Station, Summer coursework

CARGOS HONORARIOS y PREMIOS

-Honorary Doctorate, Botanical Institute, Russian Academy of Sciences, St. Petersburg, Russia
-*Engineering News Record, Top 25 Newsmakers of 2008*, For Innovation and Achievement
-Shanghai Normal University, Shanghai, China, *Distinguished Scientist Award*, June, 2011
-Stockard Research Fellowship, University of Michigan Biological Station, Summer 2013

EXPERIENCIA PROFESIONAL

Docencia

2013, ATREE and Gubbi Labs, Bangalore India, *Intensive Training Course on Freshwater Algae*
2011, Shanghai Normal University, *Taxonomy and Ecology of Freshwater Algae*
2009-present, University of Colorado, Boulder, Department of Ecology & Evolutionary Biology, *Phycology; Diatom Taxonomy and Ecology*
2009-present University of Colorado, Boulder, Museum and Field Studies Program, *Introduction to Museum Studies; Seminar: Contact Zones; Museum Administration*
Summers 2001-2014, Professor, University of Michigan Biological Station, *Algae of Freshwater Ecosystems*
Fall 1997, 1999, Research Professor, San Francisco State University, *Contemporary Issues in Biosystematics*
Summer 1993, Visiting Associate Professor, Iowa Lakeside Laboratory, *Freshwater Algae*
Summers 1992-1996, Visiting Associate Professor, San Francisco State University, *Freshwater Algology*
Fall 1991-1996, Guest Lecturer, University of California, Berkeley, *Biology of the Algae*.
Summer, 1991, Guest Lecturer, University of Michigan Biological Station, *Freshwater Phycology*
Fall 1987, Guest Lecturer, Bowling Green State University, *Diatom Systematics*.
Summer 1985, Guest Lecturer, University of Michigan Biological Station, *Freshwater Phycology*.
Summer 1983, Visiting Lecturer, University of Michigan Biological Station, *Freshwater Phycology*.
1982-1983, Teaching Assistant, Department of Botany and Plant Pathology, Oregon State University
1980-1982, Teaching Assistant, Department of Biological Sciences, Bowling Green State University, *Introductory Biology, Cytology*.

Investigación

2010-2013, Affiliate, Renewable and Sustainable Energy Institute, University of Colorado, Boulder
2002-present, Honorary Research Fellow, Botany Department, The Natural History Museum, London,
2000-2008, Curator, California Academy of Sciences
1992-1999, Associate Curator, California Academy of Sciences
1991, 2007, Senior Investigator, University of Michigan Biological Station

1989-1992, Assistant Curator, California Academy of Sciences

Facultades en las que colaboró

2008-present, Professor, Department of Ecology and Evolutionary Biology, University of Colorado, Boulder
 2003-present, Adjunct Professor, Biological Station, College of Literature, Science and the Arts, The University of Michigan
 1998-present, Adjunct Professor, Department of Geosciences, University of Nebraska, Lincoln
 1997-present, Consulting Associate Professor, Department of Ecology and Evolutionary Biology, Stanford University
 1997-present, Research Professor, Department of Biological Sciences, San Francisco State University
 1994, Visiting Professor, Museum National d'Histoire Naturelle, Paris
 1993-present, Adjunct Professor, School of Natural Resources and Environment, The University of Michigan
 1993, Visiting Associate Professor, The University of Iowa
 1992-1996, Visiting Associate Professor, Sierra Nevada Field Campus, San Francisco State University

Administración

Spring 2009-2013, Interim Director, Museum and Field Studies Masters of Science Program, University of Colorado, Boulder
 March 2008-present, Director, Museum of Natural History, University of Colorado, Boulder
 1997- 2007, Executive Director, California Academy of Sciences
 1993-1997, Director of Research, California Academy of Sciences
 1990-1992, Chairman, Department of Invertebrate Zoology and Geology, California Academy of Sciences

Formación de Recursos Humanos (últimos 5 años)

Katerina Kopalova, **Post-Doctoral Fellow**, University of Charles, Prague, Czech Republic, 2014.
 Antonette Hrycyk, **MS student**, Museum and Field Studies, University of Colorado, 2013-present (Committee Chair)
 Meredith George, **MS student**, Museum and Field Studies, University of Colorado, 2013-present (Committee Chair)
 Li Jing, Visiting **Ph.D. student**, Xiamen University, 2013-2014 (Primary Advisor)
 Qi Liu, **Visiting Ph.D. student**, Shanghai Normal University 2013-2014 (Primary Advisor)
 Sarah Hamsher, **Post-Doctoral Fellow**, 2012-2013, (Faculty Advisor)
 Frank Fields, **MS student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2012-2014, (Committee Chair)
 Hannah Filkins, **MS student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2012 (Committee Chair)
 Katherine Kavulic, **MS student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2012-2014, (Committee Chair)
 Rachel Asquith, **MS student**, Museum and Field Studies, University of Colorado 2010-2012, (Committee Chair)
 Joshua Stepanek, **Ph.D. student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2010- present, (Committee Chair)
 Yan Liu, College of Life Science, Zhejiang University, Hangzhou 310058, China, **Research Fellow**, 2010 (Faculty Advisor)
 Karthick Balsubramanian, Energy and Wetlands Research Group, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, India, **Post-Doctoral Fellow**, 2010; 2012 (Faculty Advisor)
 Rebecca Wahlberg, **MS student**, Museum and Field Studies, University of Colorado 2009-2011, (Committee Chair)
 Jessica Brunecky, **MS student**, Museum and Field Studies, University of Colorado, 2008-2010, (Committee Chair)
 Ana Luiza Miranda Berliga, Laboratório de Estudos de Impactos Ambientais, UNIVALI – Rua Uruguai 458 - Bloco 20 sala 139, Itajaí, SC, Brazil, **Post-Doctoral Fellow** 2009-2010 (Faculty Advisor)

Carrie Graeff, **MS student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2009-2011, (Committee Chair)

Evan Thomas, **Ph.D. student**, Department of Ecology and Evolutionary Biology, University of Colorado, 2009-present, (Committee Chair)

OTRAS ACTIVIDADES

American Association for the Advancement of Science, Fellow, elected 1998.

California Academy of Sciences, Fellow, elected 1993.

American Association of Museums, Board of Trustees 2005-2008; Member: Finance Committee; Chair, Audit Committee; Accreditation Review Committee 1999-present; Task Force on Governance, 2000.

National Academy of Sciences, Committee on Smithsonian Scientific Research, 2002: *Funding Smithsonian Scientific Research*. The National Academies Press.

American Association for the Advancement of Science, Institutional Representative/Biological Sciences, 1993-2007.

Association of Systematics Collections: Board of Trustees 1998-2001; Steering Committee on Governmental Affairs, 1994; Committee on Long-Range Planning 1996.

Blue Ribbon Panel for Partnerships for Enhancing Expertise in Taxonomy, Special Competition, NSF Panel Member: Biotic Surveys & Inventories, NSF

Review Committee, University of California Museum of Paleontology, 1997

Planning Consultant, Bell Museum of Natural History, University of Minnesota, Minneapolis, MN; June 2000

Proposal Reviewer: National Science Foundation; International Science Foundation (Russia); Institute for Museum and Library Services; Czech Science Foundation; Country of Luxembourg; National Geographic; Austrian Science Foundation.

Series Editor: *Bibliotheca Diatomologica* (2005-present)

Journal Editor: *Diatom Research* (2007-2010); *Phytotaxa* (2012-2014); *Journal of Phycology* (2007-2012); *Phycologia* (2012-present)

Editorial Board: *Iheringia* (Botanical Society of Porto Alegre, Brazil) (2012-present)

International Society for Diatom Research: President 1996-1998; Executive Council 1992-2000

Co-convener, 11th International Diatom Symposium, San Francisco, CA, 12-17 August, 1990. Convener, Biodiversity of the Sierra Nevada and the Functional Role of Wild Species, 29-30 April, 1995. Co-convener, Origin and Early Evolution of the Diatoms: Fossil, Molecular and Biogeographical Approaches, 24-25 October, 1999. Organizing Committee, 15th German-Speaking Diatomists Meeting, March, 2001. Co-Organizer: Ecology and Taxonomy of Diatoms: a Marriage of Necessity: a Workshop. University of Szczecin, Poland, 23-27 October, 2002. Program Committee, 18th International Diatom Symposium, Szczecin, Poland, September 1-7, 2004. Program Committee, Instruments, Methods and Missions for Astrobiology X. SPIE Optics and Photonics Conference, 28-30 August, 2007. Convener, 19th North American Diatom Symposium, University of Michigan Biological Station, 12-16 September, 2007. Scientific Program Committee, 20th International Diatom Symposium, Dubrovnik, Croatia, September 8-13, 2008. Scientific Program Committee, Van Heurck Symposium, Antwerp, Belgium August, 2009. Scientific Program Committee, Russian Diatom School 2013. Scientific Program Committee, Central European Diatom Meeting, Zagreb, Croatia, April 2014. Co-convener, Meaning of Names in the 21st Century: Naming Diversity, Boulder, CO, September-October 2014. Scientific Program Committee, Russian Diatom School 2015. Scientific Program Committee, Problems of Systematics and Geography of Aquatic Plants", I.D. Papanin Institute for Biology and Inland Waters, Russian Academy of Sciences, October 2015.

PUBLICACIONES (solo se detallan los últimos 5 años)

Libros (12):

Kociolek, J.P., Kulivoskiy, M. Witkowski, J., & Harwood, D.M. [Eds]. 2014. Festschrift for Nina Strelnikova. Nova Hedwigia, Beihefte 143. 518 p. ISBN 978-3-443-51065-7.

Karthick, B., Hamilton, P.B. & **Kociolek, J.P.** 2013. *An illustrated guide to common diatoms of peninsular India*. Gubbi Labs, Gubbi. 206 p.

- Dgebuadze, Y.Y. & **Kociolek**, J.P. [Eds]. 2012. *Diatoms of Mongolia*. Proceedings of the Joint Russian-Mongolian Complex Biological Expedition, Russian Academy of Sciences and Mongolian Academy of Sciences. Moscow. 366
- Witkowski, A., **Kociolek**, J.P. and Compère, P. [Eds]. 2012. *Diatom taxonomy and ecology*. From local discoveries to global impact. *Festschrift Honoring 75th Birthday of Prof. Dr. Horst Lange-Bertalot*. Nova Hedwigia, Beiheft 141. 545 p. Koeltz, Koenigstein.
- Seckbach, J. and **Kociolek**, J.P. [Eds]. 2011. *The Diatom World*. Springer Verlag. 531 p.

Artículos: 204

- Kociolek**, J.P., Spaulding, S.A. & Lowe, R.L. Accepted. Bacillariophyceae: The Raphid Diatoms. Chapter 16. In: J. Wehr, R. Sheath & J.P. Kociolek [Eds], *Freshwater Algae of North America*. 2nd Edition. Academic Press, NY.
- Kociolek**, J.P., Theriot, E.C., Williams, D.M., Julius, M., Stoermer, E.F. & Kingston, J.C. Bacillariophyceae: Accepted. Centric and Araphid Diatoms. Chapter 15. In: J. Wehr, R. Sheath & J.P. Kociolek [Eds], *Freshwater Algae of North America*. 2nd Edition. Academic Press, NY.
- Kociolek**, J.P. & Williams. Accepted. How to define a diatom genus? Notes on the creation and recognition of taxa, and a call for revisionary studies of diatoms. Proceedings of the 8th Central European Diatom Meeting. Zagreb, Croatia. Acta Croatica Botanica.
- Kopalová, K., **Kociolek**, J.P., Lowe, R.L., Zidarova, R. & Van De Vijver, B. Accepted. Five new species of the genus *Humidophila* from the Maritime Antarctic Region. Diatom Research. <http://dx.doi.org/10.1080/0269249X.2014.998714>
- Kociolek**, J.P., You, Q., Wang, X. & Liu, Q. Accepted. Consideration of some interesting freshwater gomphonemoid diatoms from North America and China, and the description of *Gomphosinica*, *gen. nov.* Patricia Sims Festschrift.
- Stepanek, J.G., Mayama, S., & **Kociolek**, J.P. 2015. Description and phylogenetic position of *Amphora aliformis*, a new species of *Amphora* (Bacillariophyta) from Tokyo Bay. Phycologia 54: 78-86.
- Brahney, J., Ballantyne, A., **Kociolek**, J.P., Leavitt, P., Farmer, G.L., & Neff, J.C. 2015. Ecological changes in an alpine lake associated with human activity and dust transport in western Wyoming. Limnology and Oceanography.
- You, Q., **Kociolek**, J.P. & Wang, Q. 2015. The diatom genus *Hantzschia* (Bacillariophyta) in Xinjiang province, China. Phytotaxa 197: 1-14.
- Stepanek, J.G. & **Kociolek**, J.P. 2015. Three new species of the diatom genus *Halamphora* (Bacillariophyta) from the prairie pothole lakes region of North Dakota, USA. Phytotaxa 197: 27-36.
- Fields, F.J. & **Kociolek**, J.P. 2015. An evolutionary perspective on selecting high lipid-content diatoms (Bacillariophyta) for commercial use. Journal of Applied Phycology. DOI 10.1007/s10811-014-0505-1
- Sherwood, A.R., Carlile, A.L., Neumann, J.M., **Kociolek**, J.P., Johansen, J.R., Lowe, R.L., Conklin, Y & Presting, G. 2014. The Hawaiian freshwater algae biodiversity survey (2009-2014): systematic and biogeographic trends with an emphasis on the macroalgae. BMC Ecology 14: 28.
- Burliga, A.L., Torgan, L.C., Andrade, E.A., Sutil, C., Beaumord, A.C. & **Kociolek**, J.P. 2014. Changes in diatom assemblages associated with altitudinal gradient and land use in the Itajai-Mirim River, Brazil. Iheringia 69.
- Liu, Q., **Kociolek**, J.P., Wang, Q.X. & Fu, C.X. 2014. Two new *Prestauroneis* Bruder & Medlin (Bacillariophyceae) species from Zoige Wetland, Sichuan Province, China, and comparison with *Parlibellus* E.J. Cox. Diat. Research.
- Liu, Y., **Kociolek**, J.P., Wang, Q., & Fan, Y. 2014. Two new species of monoraphid diatoms (Bacillariophyceae) from the south of China. Phytotaxa 188: 31-37.
- Thomas, E.W., **Kociolek**, J.P. & Karthick, B. 2014. Four new *Rhoicosphenia* species from fossil deposits in India and North America. Diatom Research.
- Fetscher, A.E., Stancheva, R., **Kociolek**, J.P., Sheath, R.G., Stein, E.D., Mazor, R.D., Ode, P.R. & Busse, L. 2014. Development and comparison of stream indices of biotic integrity using diatoms vs. non-diatom algae vs. a combination. Journal of Applied Phycology 26: 433-450.
- You, Q., Wang, Q., & **Kociolek**, J.P. 2014. New *Gomphonema* Ehrenberg (Bacillariophyceae: Gomphonemataceae) species from Xinjiang Province, China. Diatom Research
- Hamsher, S.E., Graeff, C.L., Stepanek, J.G. & **Kociolek**, J.P. 2014. Variation in valve and girdle band morphology in freshwater *Denticula* (Bacillariophyceae) species: Implications for the systematic position of the genus including the description of *Tetralunata gen. nov.* (Epithemiaceae, Rhopalodiales). Plant Ecology and Evolution 147.

- Taylor, J.C., Karthick, B., **Kociolek**, J.P., Wetzel, C.E. & Cocquyt, C. 2014. *Actinellopsis murpheyi* gen. et spec. nov.: A new small celled freshwater diatom (Bacillariophyta, Eunotiales) from Zambia. *Phytotaxa* 178: 128-137.
- Lei, G., Liu, Y., **Kociolek**, J.P. & Fan, Y. 2014. New *Gomphonema* (Bacillariophyta) species from Xingkai Lake, China. *Phytotaxa* 175: 249-255.
- Lei, G., Liu, Y., **Kociolek**, J.P. & Fan, Y. 2014. Newly recorded species in *Pinnularia* (Bacillariophyta) from Xingkai Lake, China. *Acta Hydrobiologia Sinica* 38: 669-674.
- Witkowski, A., Lange-Bertalot, H., **Kociolek**, J.P., Bak, M., Kulikovskiy, M & Kusnetsova, I. 2014. Diatom flora of San Francisco Bay and vicinity. III. New species in the genus *Nitzschia* Hassall. *Nina Strelnikova Festschrift, Nova Hedwigia Beihefte* 143: 469-484.
- Pappas, J.L., **Kociolek**, J.P. & Stoermer, E.F. 2014. Quantitative morphometric methods in diatom research. *Nina Strelnikova Festschrift, Nova Hedwigia Beihefte* 143: 281-306.
- Kociolek**, J.P., Khursevich, G.K. & Theriot, E.C. 2014. *Strelnikoviella incognita* gen. nov. sp. nov., from Upper Miocene sediments of New Mexico, USA. *Nina Strelnikova Festschrift, Nova Hedwigia Beihefte* 143: 271-280.
- Chudaev, D.A., **Kociolek**, J.P. & Gologobova, M.A. 2014. *Gomphonema megalobreissonii* sp. nov. a new large-celled taxon in the species complex around *G. acuminatum* from the sediments of Lake Glubokoe (European Russia). *Nina Strelnikova Festschrift, Nova Hedwigia Beihefte* 143: 255-269.
- Kociolek**, J.P., Laslandes, B., Bennet, D., Thomas, E., Brady, M. & Graeff, C. 2014. Diatoms of the United States. I. Taxonomy, Ultrastructure and Descriptions of Fifty New Species and Other Rarely Reported Taxa from Lake Sediments in the western U.S.A. *Bibliotheca Diatomologica* 61: 1-188.
- Brahney, J. Ballantyne, A.P., **Kociolek**, J.P., Spaulding, S.A., Out, M., Porwoll, T. & Neff, J. 2014. Dust mediated transfer of phosphorus to alpine lake ecosystems in the Wind River Range, Wyoming, USA. *Biogeochemistry* 120.
- Liu, Q., **Kociolek**, J.P., Wang, Q., & Fu, C. 2014. Valve morphology of three *Neidiomorpha* (Bacillariophyceae) species from Zoige Wetland, China, including one described as new. *Phytotaxa* 166: 123-131.
- Stepanek, J. & **Kociolek**, J.P. 2014. Molecular phylogeny of *Amphora sensu stricto* (Bacillariophyta): an investigation into the monophyly and classification of the amphoroid diatoms. *Protist* 165: 177-195.
- Lowe, R.L., **Kociolek**, P., Johansen, J.R., Van de Vijver, B., Lange-Bertalot, H., Kopalova, K. 2014. *Humidophila* gen. nov., a new genus for a group of diatoms (Bacillariophyta) formerly within the genus *Diademsis*: species from Hawai'i, including one new species. *Diatom Research*. 29: 351-360.
- Kavulic, K.J. & **Kociolek**, J.P. 2014. A morphological investigation of *Neidium temperei* Reimer (Bacillariophyta), and a consideration of its systematic placement. *Diatom Research*. 29: 175-181.
- Liu, Y., **Kociolek**, J.P., Wang, Q.W. & Fan, Y.W. 2014. A new species of *Neidium* Pfitzer (Bacillariophyceae) and checklist of the genus from China. *Diatom Research*. 29: 165-173.
- Anderson, K., Fate, M., Hsieh, C.-H., Kim, L., Lazarus, K., **Kociolek**, J.P. & Lowe, R.L. 2013. Algal diversity and the description of three new diatom (Bacillariophyta) species from Lake of the Clouds, Porcupine Mountains Wilderness State Park, Michigan. *The Michigan Botanist* 52: 3-24.
- Kociolek**, J.P., Kulikovskiy, M.S. & Solak, C.N. 2013. The diatom genus *Gomphoneis* Cleve (Bacillariophyceae) from Lake Baikal, Russia. *Phytotaxa* 154: 1-37.
- Graeff, C.L., **Kociolek**, J.P. & Rushforth, S.R. 2013. New and interesting diatoms (Bacillariophyta) from Blue Lake Warm Springs, Tooele County, Utah, USA. *Phytotaxa* 153: 1-38.
- Liu, Y., **Kociolek**, J.P. & Wang, X. 2013. Six new *Gomphonema* C. Ag. (Bacillariophyceae) from the Great Xiang'an Mountains, Northeastern China. *Cryptogamie: Algologie* 34: 301-324.
- Kociolek**, J.P., Stepanek, J.G., Lowe, R.L., Johansen, J.R. & Sherwood, A.R. 2013. Molecular data show enigmatic cave-dwelling diatom *Diprora* (Bacillariophyceae) to be a raphid diatom. *European Journal of Phycology* 48.
- Stancheva, R., Sheath, R.G., Read, B.A., McArthur, K.D. Schroepfer, C, **Kociolek**, J.P. & Fetscher, A.E. 2013. Nitrogen-fixing cyanobacteria (free-living and diatom endosymbionts): their use in southern California stream bioassessment. *Hydrobiologia* 720: 111-127.
- Ripple, H. & **Kociolek**, J.P. 2013. The diatom (Bacillariophyceae) genus *Actinella* Lewis from Hawai'i. *Pacific Science* 67: 609-621.
- Kociolek**, J.P. and Khursevich, G.K. 2013. Morphology of some fossil lacustrine centric species from the western U.S.A. assigned to the genus *Cyclotella* (Bacillariophyta), including four described as new. *Phytotaxa* 127:81-99.
- Wu, B., Liu, Q., Wang, Q & **Kociolek**, J.P. 2013. A new species of the diatom genus *Campylodiscus* (Bacillariophyta) from Dongtan, Changming Island, China. *Phytotaxa* 115: 49-54.

- You, Q., **Kociolek**, J.P. & Wang, X. 2013. New *Gomphoneis* Cleve (Bacillariophyceae) species from Xinjiang Province, China. *Phytotaxa* 103: 1-24.
- Lowe, R.L., **Kociolek**, J.P. & Van De Vijver, B. 2013. Two new *Orthoseira* species (Bacillariophyceae) from lava tubes. *Phytotaxa* 111: 39-52.
- Graeff, C.L. & **Kociolek**, J.P. 2013. New or rare species of cymbelloid diatoms (Bacillariophyceae) from Colorado (USA). *Nova Hedwigia* 97: 87-116. DOI: 10.1127/0029-5035/2013/0106.
- Nevrova, E., Witkowski, A., Kulikovskiy, M., **Kociolek**, J.P. & Lange-Bertalot, H. 2013. A review of the Black Sea taxa belonging in *Lyrella* N.I. Karayeva 1979 with a description of five species new to science. *Phytotaxa* 83.
- Burliga, A.L., **Kociolek**, J.P., Salomoni, S.E., & Figueiredo, D. 2013. A new genus and species in the diatom Family Eunotioideae Kützing (Bacillariophyceae) from the Amazonian hydrographic region, Brazil. *Phytotaxa* 79.
- Usoltseva, M., **Kociolek**, J.P. & Khursevich, G.K. 2013. Three new species of *Alveolophora* (Aulacoseiraceae) from Miocene fossil deposits in western North America. *Phycologia* 52: 109-117
- Benson, M.E., **Kociolek**, J.P., Spaulding, S.A., & Smith, D.M. 2012. Pre-Neogene (>23.8 MA) biochronology of non-marine diatoms, with an account of the late Eocene flora of the Florissant Formation, central Colorado, USA. *Stratigraphy* 9: 131-152.
- Kociolek**, J. P., R. J. Stevenson, R. G. Kreis, Jr., M. A. Tuchman, E. C. Theriot, J. A. Wolin, N. A. Andresen, & M. L. Julius. 2012. Eugene F. Stoermer (1934-2012). *Diatom Research* 27: 255-267.
- Stepanek, J.G. & **Kociolek**, J.P. 2012. Several new species from the genera *Amphora* Ehrenberg ex Kützing and *Halamphora* (Cleve) Levkov from the western United States. *Diatom Research* 28: 61-76.
- Liu, Y., **Kociolek**, J.P. Fan, Y. & Wang, Q. 2012. *Pseudofallacia* gen. nov., a new freshwater diatom (Bacillariophyceae) genus based on *Navicula occulta* Krasske. *Phycologia* 51: 620-626.
- Karthick, B. & **Kociolek**, J.P. 2012. A Reconsideration of the *Gomphonema* Ehrenberg (Bacillariophyceae) species from Kolhapur, India: Taxonomy, typification and biogeography of the species reported by H.P. Gandhi. *Phycological Research* 60: 179-198.
- Benson, M.E. & **Kociolek**, J.P. 2012. Freshwater diatom floristics of the Late Eocene Florissant Formation, Clare's Quarry Site, Central Colorado, USA. *Bibliotheca Diatomologica* 58: 1-136.
- Karthick, B. & **Kociolek**, J.P. 2012. A new species of *Pleurosigma* from Western Ghats, South India. *Nova Hedwigia Beihefte* 141: 117-124.
- Karthick, B., Hamilton, P.B. & **Kociolek**, J.P. 2012. Taxonomy and biogeography of some *Surirella* Turpin (Bacillariophyceae) taxa from peninsular India. *Nova Hedwigia Beihefte* 141: 81-116.
- Khursevich, G.K. & **Kociolek**, J.P. 2012. A Preliminary, Worldwide Inventory of the Extinct, Freshwater Fossil Diatoms from the Orders Thalassiosirales, Stephanodiscales, Paraliales, Aulacoseirales, Melosirales, Coscindiscales, and Biddulphiales. *Nova Hedwigia Beihefte* 141: 315-364.
- Burliga, A.L. & **Kociolek**, J.P. 2012. Four new *Eunotia* Ehrenberg species (Bacillariophyceae) from pristine regions of Carajás National Forest, Amazonia, Brazil. *Nova Hedwigia Beihefte* 141: 53-70.
- Graeff, C.L., **Kociolek**, J.P. & Burliga, A.L. 2012. Valve morphology of four species of *Frustulia* (Bacillariophyta), including two described as new. *Phytotaxa* 42: 62-76.
- Nikulina, T.V. & **Kociolek**, J.P. 2011. Diatoms from Hot Springs from Kuril and Sakhalin Islands (Far East, Russia). Pp. 335-363 In: J.E. Seckbach & J.P. Kociolek (eds), *The Diatom World*. Cellular Origin, Live in Extreme Habitats and Astrobiology Volume 19. Springer.
- Graeff, C.L. & **Kociolek**, J.P. 2011. The ultrastructure of *Frustulia weinholdii* Hustedt and *F. neomundana* Lange-Bertalot & Rumrich, with comparisons to two new *Frustulia* species from Hawaii and South Carolina. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161: 43-59.
- Kociolek**, J.P., Liu, Y. & Wang, X. 2011. Internal valves in populations of *Meridion circulare* (Greville) C.A. Agardh from the A'er Mountain region of northeastern China: Implications for taxonomy and systematics. *Journal of Systematics and Evolution* 49: 486-494.
- Karthick, B., **Kociolek**, J.P., Mahesh, M.K. & Ramachandra, T.V. 2011. The diatom genus *Gomphonema* in India: Checklist and description of three new species. *Nova Hedwigia* 93: 211-236.
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PRESENTACIONES EN REUNIONES CIENTÍFICAS

Trabajos Invitados y Seminarios (41, sólo se detallan los correspondientes a los últimos 5 años)

- "Freshwater gomphonemoid diatom systematics and biogeography" presented at Shanghai Normal University, September 13, 2014
- "Freshwater gomphonemoid diatom systematics and biogeography: connections between Asia and North America." North American Diatom Symposium August 15, 2013
- "New insights into Diatom Biology and Phylogeny". Bicentennial Celebration for the Academy of Natural Sciences of Drexel University, "Biodiversity: From Evolutionary Origins to Ecosystem Function" October 12, 2012
- "New insights into the systematics of raphid diatoms based on molecular and morphological data" Special Symposium, "Avanços na taxonomia e biogeografia de diatomáceas: perspectivas para o Brasil", XIV Congresso Brasileiro de Ficologia, João Pessoa, Brasil, 18 July, 2012
- "Informatics and websites related to freshwater diatom taxonomy" XIV Congresso Brasileiro de Ficologia, João Pessoa, Brasil, 20 July, 2012
- "The diatom genus *Nitzschia* in US freshwaters", College of Life Sciences, Shanghai Normal University, 2012
- "New insights into our understanding of the diatoms" Xiamen University, Xiamen, China, June, 2012
- "Promise and challenges of using diatoms to evaluate environmental change" NEON, Inc, Boulder, CO, 2011.
- "New approaches to diatom taxonomy, systematics and biogeography" Sino-American Workshop on diatom taxonomy and ecology, Shanghai Normal University, Shanghai, China, June, 2011
- "Diatom, systematics and biogeography: Prospects for the future" Harbin Normal University, Harbin, China, 2011.
- "The Ecology and Natural History of Freshwater Algae" Colorado Reservoir and Lakes Management Association, Colorado Department of Wildlife, Denver, CO, August, 2010

Conferencias (32, se detallan los últimos 5 años)

- "Do species flocks exist in diatoms?" 23rd International Diatom Symposium, Nanjing, China, 2014
- "Freshwater gomphonemoid diatom systematics and biogeography: connections between Asia and North America." 23rd International Diatom Symposium, Nanjing, China, 2014
- "Do species flocks exist in diatoms?" 8th Central Europe Diatom Meeting, Zagreb, Croatia, April, 2014
- "How to define a diatom genus" 8th Central Europe Diatom Meeting, Zagreb, Croatia, April, 2014
- "New Perspectives on Diatom Biodiversity in northern Michigan", 3rd Winter Meeting of the University of Michigan Biological Station, Ann Arbor, MI February 2014
- "Taxonomic and data quality transparency of molecular studies in the digital age: A case study of the Bacillariales" 22nd North American Diatom Symposium, Bar Harbor, ME. August 2013.
- "Morphological data suggest the diatom genus *Denticula* is paraphyletic." 22nd North Amer. Diat. Symp. Bar Harbor, ME. 2013.
- "Origin and Historical Development of freshwater diatoms of the orders Aulacoseirales, Thalassiosirales, Stephanodiscales and Coscinodiscales from Asia and Western North America: Single or parallel events?" 22nd International Diatom Symposium, Ghent, Belgium, August 2012.
- "The diatom genus *Alveolophora* in North America" 22nd International Diatom Symposium, Belgium, August 2012.
- "The diatom genera *Nitzschia* Hassall and *Hantzschia* Grunow from Xinjiang, China" 22nd International Diatom Symposium, Ghent, Belgium, August 2012.
- "Origin and elements of the freshwater diatom flora of the Hawaiian Islands." North American Diatom Symposium, Flathead Lake, Montana. September 2011.
- "A Consideration of some *Gomphoneis* Cleve species: Changes in nomenclatural status, new species and thoughts on biogeography." North American Diatom Symposium, Montana. September 2011.
- "Phylogenetic relationships of the Amphipleuraceae." North American Diatom Symposium, Montana. 2011.
- "Preliminary observations on some commonly reported freshwater *Nitzschia* Hassall species from rivers in the USA." North American Diatom Symposium, Montana. 2011.
- "Morphology of some fossil species of *Cyclotella* from the western U.S.A." 21st International Diatom Symposium, St. Paul, MN, USA, September 2010
- "Diatom flora and comparisons from several lava tubes from the Big Island of Hawaii" 21st International Diatom Symposium, St. Paul, MN, USA, September 2010
- "Developing an on-line taxonomic guide to the freshwater diatoms of the United States: Scope, process and initial steps." 21st International Diatom Symposium, St. Paul, MN, USA, September 2010
- "Preliminary observations on the diatom genera *Gomphonema* Ehrenberg and *Gomphoneis* Cleve from Lake Baikal, Siberia: Taxonomy, Systematics and Biogeography." 21st International Diatom Symposium, St. Paul, USA, 2010
- "The current lack of Correspondence Between diatom Classification and Phylogeny: Is it Worse Than We Thought?" 21st International Diatom Symposium, St. Paul, MN, USA, 2010

Workshops

- "Diatom Databases." Convened at the 11th International Diatom Symposium, August, 1990, San Francisco.
- "Role and Maintenance of Non-living Algal Collections". 5th International Chrysophyte Symposium, July, 1999, Southern Illinois University.
- "Laboratory Processing and Enumeration of Diatom Samples for Water Quality Monitoring" State of California Water Boards, Training Academy, October 2011. California State University, San Marcos.