

Charlotte Kelchner

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Editor and Writer

Professional Profile

Editor and writer specializing in accurate, clear presentation of technical, educational, and reference materials for professional scientists, students, and general audiences.

Kelchner Communications

2006–Present: Owner Kelchner Communications, Chicago, IL
Established Kelchner Communications as a sole proprietorship providing editing and writing services for publishers and authors. Services include

- editing of grants and funding proposals
- writing and editing of materials for nonfiction trade books
- writing and editing of materials for science textbooks and ancillaries
- editing of articles for submission to journals for professional scientists
- ESL (English as a second language) editing of materials translated from such languages as Chinese, Japanese, Norwegian, Spanish, Swedish, and Turkish

Additional Experience

2007–2015: Adjunct Faculty Oakton Community College, Des Plaines, IL
Instructor for physical geography courses covering interactions among Earth systems; instructor for survey of oceanography courses.

2001–2006: Science Editor McDougal Littell, Evanston, IL
Wrote materials for and edited science textbooks, creating appealing content and ensuring accuracy. Demonstrated expertise with projects from preparing initial chapter outlines through completing student and teacher editions and ancillary materials.

1999–2000: Earth Science Editor Encyclopædia Britannica, Chicago, IL
Commissioned and edited Earth science articles, including ones on geology, geophysics, meteorology, oceanography, and limnology.

Education

Master's degree, Earth Science	Rice University	Houston, TX
Master's degree, Marine Science	North Carolina State University	Raleigh, NC
Bachelor's degree, Oceanography	University of Washington	Seattle, WA

Professional Affiliations

American Geophysical Union
Chicago Science Writers
National Association of Science Writers

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Selected Projects

2006–Present: Copyediting of papers for submission to such science journals as

- *Continental Shelf Research*
- *Cretaceous Research*
- *Disaster Prevention and Management*
- *Earth and Planetary Science Letters*
- *Engineering Geology*
- *Environmental Earth Sciences*
- *Geophysics*
- *Geotechnical and Geological Engineering*
- *Gondwana Research*
- *Holocene*
- *Journal of Environmental Monitoring*
- *Journal of Environmental Radioactivity*
- *Journal of the Geological Society of Japan*
- *Journal of Geophysical Research*
- *Quaternary International*
- *Soil Biology and Biochemistry*

2013–Present: Copyediting of reports and funding proposals for American Institutes for Research, a behavioral and social science research organization headquartered in Washington, DC.

2015–Present: Editing of National Science Foundation, Department of Defense, Department of Energy, and foundation grants for Michigan State University faculty members.

2016: Copyedited *DNA Is Not Destiny: The Remarkable, Completely Misunderstood Relationship between You and Your Genes* by Steven J. Heine. New York: W. W. Norton.

2016: Proofread *Pinpoint: GPS and the Quest for Perfect Knowledge* by Greg Milner. New York: W. W. Norton.

2016: Copyedited *Death and Life of the Great Lakes* by Dan Egan. New York: W. W. Norton.

2016: Proofread *Microbiology: The Human Experience* by John Foster, Zarrintaj Aliabadi, and Joan Slonczewski. New York: W. W. Norton.

2016: Wrote lesson plans aligned to the 5E model (Engage, Explore, Explain, Extend, Evaluate) to accompany UNC-TV NC Science NOW videos. Research Triangle Park, NC: UNC-TV.

2015–2016: Copyedited college textbook *Chemistry*. New York: W. W. Norton.

2015–2016: Copyedited *Key Stage 3 Foundation Mathematics Study Guide* and *Key Stage 3 Higher Mathematics Study Guide* for Pearson Education; project managed by Caldecote, UK: Cambridge Publishing Management.

2015: Copyedited instructor manual and PowerPoint presentations as well as online homework questions for students for college textbook *Essentials of Geology*. New York: W. W. Norton.

2014: Copyedited “Buoyancy-Driven Circulation in the Red Sea” by Ping Zhai. Doctoral thesis, MIT and Woods Hole Oceanographic Institution.

2013–2015: Wrote professional development courses to enhance the science knowledge and pedagogical skills of high school science teachers. Hertford, UK: Pearson Education.

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Selected Projects (continued)

- 2013–2015: Wrote materials for licensure tests for high school teachers that cover principles of scientific inquiry as well as physical, life, Earth, and space science. San Antonio, TX: Pearson Evaluation Systems.
- 2014: Wrote Earth science worksheets and activities aligned to Next Generation Science Standards for Capstone Digital's PebbleGo project; project managed by Plant City, FL: Concord Data Corporation.
- 2014: Wrote GED, TASC, and HiSET test preparation questions for science and math. Boston, MA: Six Red Marbles.
- 2013–2014: Wrote new lessons for and edited existing lessons of “Pathways: Science,” an Internet resource that targets misconceptions commonly held by middle-school students about science. Chicago, IL: Encyclopædia Britannica.
- 2012: Copyedited *Fisheries Management in Areas beyond National Jurisdiction: The Impact of Ecosystem Based Law-Making* by Daniela Diz Pereira Pinto. Leiden, Netherlands: Brill.
- 2012: Copyedited *Conservation Planning: Shaping the Future*, by F. Lance Craighead and Charles L. Convis Jr. (eds). Redlands, CA: Esri Press.
- 2012: Copyedited *GIS and Cartographic Modeling* by C. Dana Tomlin. Redlands, CA: Esri Press.
- 2011: Wrote standardized test practice and graphing activities for *Pearson Chemistry* workbook. Upper Saddle River, NJ: Pearson Education.
- 2010–2011: Edited chapters, unit preparation materials, unit review materials, and features for *Chemistry*, grades 11 and 12. Whitby, Ontario: McGraw-Hill Ryerson.
- 2009: Edited multiple chapters of *Academic Science*, grade 10. Whitby, Ontario: McGraw-Hill Ryerson.
- 2008–2009: Edited multiple chapters of student edition of *Holt McDougal Middle School Science*. Austin, TX: Holt McDougal.
- 2008: Edited multiple chapters of student and teacher editions as well as ancillary materials for *Holt Earth Science*. Holt, Rinehart and Winston: Austin, TX.
- 2007: Wrote supplementary materials, including introduction, notes, discussion questions, and annotated bibliography, to accompany Darwin's *Origin of Species* for Simon & Schuster's/Pocket Books' enriched classics series; project managed by Austin, TX: Anaxos.
- 2007: Edited portions of *Holt Saxon Geometry* textbook. Austin, TX: Holt, Rinehart and Winston.
- 2007: Edited multiple chapters of textbook and student workbook for *Foundations of Mathematics*, grade 10. Whitby, Ontario: McGraw-Hill Ryerson.