Kirsten Koehler

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Professional Preparation

- 1998-2002 B.S., Atmospheric Science, University of California at Los Angeles, Los Angeles, CA
- 2002-2004 M.S., Atmospheric Science, Colorado State University, Fort Collins, CO
- 2004-2007 Ph.D., Atmospheric Science, Colorado State University, Fort Collins, CO

Appointments

2013-present   Assistant Professor, Department of Environmental Health Sciences, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2011-2013   Assistant Professor, Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, Colorado

2008-2011   Postdoctoral Research Fellow, Environmental and Radiological Health Science, Colorado State University, Fort Collins, CO

2007-2008   Postdoctoral Research Fellow, Atmospheric Science, Colorado State University, Fort Collins, CO

Awards

- 2003   Recipient of 3-F Scholarship, Colorado State University (CSU)
- 2003-2006   Recipient of NASA Graduate Student Research Program Fellowship
- 2005-2006   Recipient of Shrake-Cullor Scholarship, CSU
- 2007   Recipient of the Dept. of Atmos. Sci. Alumni Award for Best Ph.D. Student Paper, CSU

Related Publications (selected from 27 peer-reviewed publications.)

1. Koehler, K, Peters T. New Methods for Personal Exposure Assessment for Particulate Pollution. *Curr Env Health Rep.* 2015 2(4): 399-411.
2. Koehler KA, Shapiro J, Sameenoi Y, Henry C, Volckens J. Laboratory evaluation of a microfluidic electrochemical sensor for aerosol oxidative load. *Aerosol Sci. Tech.* 2014 48(5): 489-497.
3. Koehler KA and Vockens, J. Development of a sampler to estimate regional deposition of aerosol in the human respiratory system. *Ann. Occup. Hyg.* 2013. 57(9): 1138-47.
4. Koehler KA, and Peters T. Influence of analysis methods on interpretation of hazard maps. *Ann. Occup. Hyg.* 2013 57(5): 558-570.
5. Koehler KA, Volckens J, Anthony TR, Van Dyke M. A rotating, bluff-body disc for reduced variability in wind tunnel aerosol studies. *Ann. Occup. Hyg.* 2011. 55(1): 86-96.

Other Publications

1. Koehler KA, Kreidenweis, DeMott PJ, Petters MD, Prenni AJ, Mohler O. Laboratory investigations of the impact of mineral dust aerosol on cold cloud formation." *Atmos. Chem. Phys.* 2010 10(23): 11955-11968.
2. Koehler KA, Clark P, Volckens J. Development of a sampler for total aerosol deposition in the human respiratory tract. *Ann. Occup. Hyg.* 2009. 53(7): 731-738.
3. Clark P, Koehler KA, Volckens J. An improved method for particle deposition in porous foams. *J. Aerosol Sci.* 2009 .40: 563-572.

4. Good, N., Mölter, A., Ackerson, C., Bachand, A., Carpenter, T., Clark, M.L., Fedak, K.M., Kayne, A., Koehler, K., Moore, B., L'Orange, C., Quinn, C., Ugave, V., Stuart, A., Peel, J.L., Volckens, J. The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. *J Expos Sci Environ Epidemiol*, 26: 397-404, 2016.

Synergistic Activities
- Member of the American Association for Aerosol Research (AAAR)
- Past Chair of Aerosol Exposure Working Group, AAAR
- Member of the American Industrial Hygiene Association (AIHA)
- Past Chair of Aerosol Technology Working Group, AIHA
- Member of the International Society of Exposure Scientists
- Member of the International Society of Environmental Epidemiologists

Collaborators and Other Affiliations
- **Recent Collaborators:** Thomas Peters (U. Iowa), John Volckens (CSU), Jennifer Peel (CSU), Maggie Clark (CSU), Jun Zhu (U. Wisconsin), Haonan Wang (CSU), Natalie Johnson (T A&M), Joe Zeitsmann (TTI), Joseph Katz (JHU).
- **Graduate and Postdoctoral Sponsors:** Sonia Kreidenweis, Atmospheric Sciences, Colorado State University; John Volckens, Environmental and Radiological Health Sciences, Colorado State University.
- **Thesis Advisor:** Kirk Lake, Colorado State University; Douglas Fallon, Anthony Schwegmann, Alison Gauthier, Nicholas Seely, Kelsey Sullivan, Jesse Moore, Ashley Newton, Magdalena Fandino, Josiah Kephart, Christopher Zuidema, Johns Hopkins University.
- **Number of graduate students advised:** 11