

**Matthew E. Hopton, Research Ecologist in EPA's National Risk Management Research Laboratory**

Water Systems Division

[Mailing Address](#)

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**Areas of Expertise:**

An ecologist with interests in urban and landscape ecology, mammal ecology, green infrastructure, and sustainability.

**Select Publications:**

Ossola, A. and M. **Hopton**. [Climate differentiates forest structure across a residential macrosystem](#). Science of the Total Environment 639:1164-1174, (2018).

Ossola, A. and M. **Hopton**. [Measuring urban tree loss dynamics across residential landscapes](#). Science of the Total Environment 612:940-949, (2018).

Herrmann, D., W. Chuang, K. Schwarz, T. Bowles, A. Garmestani, W. Shuster, T. Eason, M. **Hopton**, and C. Allen. [Agroecology for the Shrinking City](#). Sustainability 10(3):675, (2018).

Berland, A., S. Shiflett, W. Shuster, A. Garmestani, H. Goddard, D. Herrmann, and M. **Hopton**. [The role of trees in urban stormwater management](#). Landscape and Urban Planning 162:167-177, (2017).

Vanni, M., P. McIntyre, M. **Hopton**, D. Allen, D. L. Arnott, J. Benstead, D. Berg, A. Braband, S. Brosse, P. A. Bukaveckas, A. Caliman, and e. al. [A global database of nitrogen and phosphorus excretion rates of aquatic animals](#). Ecology 98(5):1475, (2017).

Schifman, L., D. Herrmann, W. Shuster, A. Ossola, A. Garmestani, and M. **Hopton**. [Situating Green Infrastructure in Context: A Framework for Adaptive Socio-Hydrology in Cities](#). Water Resources Research 53(12):10139-10154, (2017).

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**Education:**

- PhD., University of Cincinnati, Cincinnati, OH; Biology, 2006.
- M.S., Fort Hays State University, Hays, KS; Biology, 1995.
- B.S., John Carroll University, University Heights, OH; Biology, 1990.

**Professional Experience:**

Memberships and Affiliations

- American Society of Mammalogists (1992–present)
  - Secretary-Treasurer (2014–present)

- Jackson Award Committee (2013–present)
- Informatics Committee (1998–present; Chair, 2007–2014)
- Mammal Images Library Committee (1998–2015; Chair, 2005–2007)
- Board of Directors (2011–2014)
- ad hoc Committee to Evaluate Election Procedures (2009–2010)
- International Relations Committee (2001–2007)
- ad hoc Worldwide Web Committee (1998)
- Public Education Committee (1995–2006)
- Ecological Society of America (2002–present)
- International Biogeography Society (2004–present)
- Sigma Xi (1996–present)
  - Member Reviewer (2015–present)
- Southwestern Association of Naturalists (1992–present)
- Safe and Sustainable Water Resources National Program; Determine Integration of Green Infrastructure in Communities - Project Lead (2013–present)
- Elementa: Science of the Anthropocene; Associate Editor (2013–present)
- Strategic Environmental Research and Development Program; Technical Committee Representative to US EPA (2008–present)
- University of Colorado, Denver, Department of Civil Engineering, Graduate Faculty (2015-2017)

#### Awards and Honors

- US EPA, ORD, Bronze Medal for Commendable Service (2016)
- US EPA, ORD, Environmental Justice Award (2013)
- US EPA, ORD Sustainability Award (2011)
- US EPA, NRMRL, Goal 3 Award—Collaboration (2011)
- US EPA Region 8, Science Award for development of systems-based sustainability tools (2011)
- American Society of Mammalogists, Hartley H. T. Jackson Award (2011)
- American Society of Mammalogists, President’s Special Award (2011)

[Science Matters: Measuring Sustainability](#)

[Science Matters: Why Study Green Infrastructure?](#)

[EPA Blog – Street Trees: More than Meets the Eye](#)

[Urban Street Trees and Green Infrastructure](#)