

CURRICULUM VITAE  
**Karla L. Gage, Assistant Professor**  
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**I. EDUCATION**

- 2007-13 Ph.D., Plant Biology (Weed Ecology), Southern Illinois University Carbondale, Carbondale, IL  
2003-06 M.S., Biology (Plant Biology), University of Memphis, Memphis, TN  
1996-00 B.S., Biology, University of Memphis, Memphis, TN

**II. PROFESSIONAL EXPERIENCE**

- 2015 – Assistant Professor, Department of Plant Soil and Agricultural Systems / Department of Plant Biology, Southern Illinois University Carbondale  
2013-15 Project Coordinator, River to River Cooperative Weed Management Area, Shawnee Resource Conservation and Development  
2007-12 Graduate Research Assistant, Department of Plant Soil and Agricultural Systems / Department of Plant Biology, Southern Illinois University Carbondale  
2010-11 Graduate Teaching Assistant, Instructor of Record, Department of Plant Biology, Southern Illinois University Carbondale  
2003-06 Graduate Teaching Assistant, Department of Biology, University of Memphis  
2001-02 Instrument Analyst, A&L Environmental Lab, Memphis, TN  
1997-99 Undergraduate Research Assistant, Department of Biology, University of Memphis

**Recent Honors and Awards**

- 2019 Annual meeting of the Weed Science Society of America, New Orleans, 1<sup>st</sup> Place Oral Competition (Graduate Research: C. Bryan)  
2018 Annual meeting of the North Central Weed Science Society, Milwaukee, 2<sup>nd</sup> Place Poster Competition (Graduate Research: C. Carmody)  
2017 Annual meeting of the North Central Weed Science Society, St. Louis, 2<sup>nd</sup> Place Poster Competition (Undergraduate Research: S. Ramirez)  
2017 Annual meeting of the American Society of Agronomy/Crop Science Society of America/Soil Science Society of America, Tampa, 3<sup>rd</sup> Place Poster Competition (Undergraduate Research: K. Broster)  
2017 Annual meeting of the American Society of Agronomy/Crop Science Society of America/Soil Science Society of America, Tampa, 3<sup>rd</sup> Place Oral Competition (Undergraduate Research: S. Dintelmann)  
2017 Faculty Mentor Award of Excellence, SIUC Center for Undergraduate Research and Creative Activities  
2016 Award for Outstanding Paper in Weed Science, Weed Science Society of America

**III. RESEARCH**

**Research Grants – Over \$855,000 in current research funding**

**Recent Publications**

- Gage, K.L.**, Schwartz-Lazaro, L.M. (2019) Shifting the paradigm: An ecological systems approach to weed management. *Agriculture*, 9, 179. <https://doi.org/10.3390/agriculture9080179>.  
**Gage, K.L.**, Krausz, R.F., Walters, S.A. (2019) Emerging challenges for weed management in herbicide-resistant crops. *Agriculture*, 9, 180. <https://doi.org/10.3390/agriculture9080180>.  
**Rumpa, M.M.**, Krausz, R.F., Gibson, D.J., **Gage, K.L.** (2019) Effect of PPO-inhibiting herbicides on the

- growth and sex ratio of a dioecious weed species, *Amaranthus palmeri* (Palmer amaranth). *Agronomy*, 9, 275. <https://doi.org/10.3390/agronomy9060275>.
- Wiedau, K.N., Krausz, R.F., Walters, S.A., Matthews, J.L., and **Gage, K.L.** (2019) Evaluating risks of plant growth regulator-resistant soybean technologies to horseradish production. *Weed Technology*, 33, 75-86. <https://doi.org/10.1017/wet.2018.109>.
- Korres, N.E., Norseworthy, J., Young, B., Reynolds, D., Johnson, B., Conley, S., Smeda, R., Mueller, T., Spaunhorst, D., **Gage, K.L.**, Loux, M., Kruger, G., and Bagavathiannan, M. (2018) Seedbank persistence of *Amaranthus palmeri* (Palmer amaranth) and *Amaranthus tuberculatus* (tall waterhemp) across diverse geographical regions in the United States. *Weed Science*, 66, 446-456. <https://doi.org/10.1017/wsc.2018.27>.
- Jenkins, M.E., Krausz, R.K., **Gage, K.L.**, and Walters, S.A. (2017) Control of volunteer horseradish (*Armoracia rusticana*) and Palmer amaranth with dicamba and glyphosate. *Weed Technology*, 31, 852-862.
- Schwartz, L.M. and **Gage, K.L.** (2018) “Sustainable weed control in grain sorghum” in *Weed Control: Sustainability, Hazards, and Risks in Cropping Systems Worldwide*. Eds. N.E. Korres, N.B. Burgos, and S.O. Duke. CRC Press.

**Presentations – Over 75 invited talks or conference presentations since 2015**

**Graduate Students – Graduated 7 MS students, currently advising 4 MS and 1 PhD student**

## V. SERVICE

### University

- 2019 Search Committee, Precision Agriculture Assistant Professor [AGS]
- 2019 Hiring Committee, Belleville Research Center Farm Manager [COAS]
- 2018- Graduate Affairs Committee [PSAS]
- 2017- Seminar Committee [PLB]
- 2017 Search Committee, Non-Tenure Track Soils Instructor [PSAS]
- 2017 Search Committee, Soil Fertility Assistant Professor [PSAS]
- 2017 Search Committee, Interim Department Chair [PLB]

### Professional Service

- 2020 Weed Science Society of America, Chair, Standardized Plant Names Committee
- 2020 Weed Science Society of America, Co-chair, Integrated Pest Management
- 2019 USDA-NIFA AFRI Pests and Beneficial Species in Agricultural Production Systems Grant Panel
- 2018 USDA-NIFA AFRI Pests and Beneficial Species in Agricultural Production Systems Grant Panel
- 2017-18 Local Arrangements Committee, North Central Weed Science Society of America
- 2016-19 Governor’s appointment to Illinois Forestry Development Council
- 2015- Southern Illinois Fertilizer and Pesticide Board Advisory Member
- 2015- Illinois Soybean Association – Double Crop Soybean Board Advisory Member
- 2013-15 University of Illinois, Dixon Springs Agricultural Center Advisory Board
- 2013-15 Illinois Invasive Plant Species Council
- 2013-15 Illinois Hydrilla Task Force
- 2013-15 Goods From Your Woods Forestry Consortium
- 2013-15 Hiring Committee and Technical Advisor, The Nature Conservancy’s Southern Illinois Invasive Species Strike Team
- 2012-15 Illinois Native Plant Society, Southern Chapter, Secretary
- 2012-15, 18- Illinois Native Plant Society, Southern Chapter, Member

### *Memberships in Professional Associations*

- 2007-13, 15- Weed Science Society of America
- 2007-13, 15- North Central Weed Science Society