

Kaitlin Togliatti

3020 Agronomy Hall, Ames, IA
(630) 280-9734 • togliat1@iastate.edu

Education

PhD in Agricultural Meteorology <i>Iowa State University, Ames, IA</i>	2017-Present
M.S. in Agricultural Meteorology <i>Iowa State University, Ames, IA</i>	2015-2017
B.S. in Atmospheric Sciences Minor in Earth, Society & Environmental Sustainability <i>University of Illinois at Urbana-Champaign, Urbana, IL</i>	2010-2014

Professional Experience

Graduate Research Assistant <i>Department of Agronomy, Iowa State University</i>	2015-Present
Undergraduate Research Assistant <i>Department of Plant Biology, University of Illinois at Urbana-Champaign</i>	2013

Workshops/Projects

Hyperspectral Workshop <i>Iowa State University, Ames, IA</i> Learned about collecting and analyzing hyperspectral data for plants	Apr. 2016
Agricultural Production System sIMulator (APSIM) Workshop <i>Iowa State University, Ames, IA</i> Learned how to run APSIM	Jun. 2015-16
LI6400 Training Course <i>LI-COR Biosciences, Lincoln, NE</i> Learned how to use the LI6400 Portable Photosynthesis System	Apr. 2015
Undergraduate Senior Thesis <i>University of Illinois at Urbana-Champaign, Urbana, IL</i> Reducing Chlorophyll Content in Soybeans Alters the Surface Energy Balance	Fall 2013
Precipitation Particle Imaging System <i>University of Illinois at Urbana-Champaign, Urbana, IL</i> Worked with a team of students to design a light box to detect precipitation	Fall 2012

Teaching Experience

Teaching Practicum <i>Iowa State University, Ames, IA</i> Intro to Weather and Climate, AGRON/MTEOR 206	Fall 2017
Teaching Practicum <i>Iowa State University, Ames, IA</i> Global Agricultural in a Changing World, AGRON 180	Fall 2015-16

Publications

Togliatti K., Dietzel R., Archontoulis S.V., VanLoocke A. **How does inclusion of weather forecasting impact in-season crop model predictions?** *Field Crops Research*. 214 (2017), pp. 261-272, <https://doi.org/10.1016/j.fcr.2017.09.008>

Ordóñez R.A., Castellano M., Hatfield J.L., Helmers M.J., Licht M.A., Liebman M., Dietzel R., Martinez-Feria R., Iqbal J., Puntel L.A., Córdova S.C., **Togliatti K.,** Wright E., Archontoulis S.V. **Maize and soybean root front velocity and maximum depth in Iowa, USA.** *Field Crops Research*.

Presentations

Kaitlin Togliatti, Theodore Hartman, Andy VanLoocke, and Brian K. Hornbuckle (2017, Oct.) **A SMAP Biomass Product for Croplands Enabled by the Calibration and Validation of Footprint-scale τ and b Parameters.** SUSMAP PI Meeting, Cambridge, MA.

Kaitlin Togliatti, Sotirios V. Archontoulis, Ranae N. Dietzel and Andy VanLoocke, Iowa State University, Ames, IA (2016, Dec.) **Improving Seasonal Crop Monitoring and Forecasting for Soybean and Corn in Iowa.** American Geophysical Union 2016 Annual Meeting, San Francisco, CA.

Kaitlin Togliatti, Sotirios V. Archontoulis, Ranae N. Dietzel and Andy VanLoocke, Iowa State University, Ames, IA (2015, Nov.) **In Season Yield Forecasting for Early and Late Planted Soybean in Iowa.** American Society of Agronomy 2015 Annual Meeting, Minneapolis, MN.

Sotirios V Archontoulis¹, Mark A. Licht¹, Ranae N. Dietzel¹, Michael J. Castellano², Andy VanLoocke¹, Isaiah Huber², Kenneth J. Moore², Laila Puntel¹, Silvia Cordova¹, **Kaitlin Togliatti¹** and Pat Edmonds¹, (1) Iowa State University, Ames, IA (2) Agronomy, Iowa State University, Ames, IA (2015, Nov.) **In-Season Corn and Soybean Yield Forecast in Iowa Using APSIM.** American Society of Agronomy 2015 Annual Meeting, Minneapolis, MN.

Kaitlin Togliatti, A. VanLoocke, R. A. Slattery, C. J. Bernacchi, and D. R. Ort, USDA, Urbana, IL (2014, Apr.) **Reducing Chlorophyll Content in Soybeans Alters the Surface Energy Balance.** University of Illinois Undergraduate Research Symposium, Urbana, IL.

Kaitlin Togliatti, A. VanLoocke, R. A. Slattery, C. J. Bernacchi, and D. R. Ort, USDA, Urbana, IL (2014, Feb.) **Reducing Chlorophyll Content in Soybeans Alters the Surface Energy Balance.** 13th Annual Student Conference of the American Meteorological Society, Atlanta, GA.

Extension/Outreach

Hosted booth at Girls in Science Festival	Feb. 2018
<i>Science Center of Iowa, Des Moines, IA</i>	
Presentation to Women in Agronomy Club	Feb. 2017
<i>Iowa State University, Ames, IA</i>	
Farm Progress Show: Digital Ag Booth	Aug. 2017
<i>Iowa State University, Ames, IA</i>	

Peer Reviews

Reviewed for Agronomy Journal
Assisted review for PLOS ONE
Assisted review for Journal of Hydrology
Assisted review for Remote Sensing of Environment

Membership in Professional Societies

American Geophysical Union	2016-Present
American Society of Agronomy	2015-Present
American Meteorological Society	2012-2014

University Involvement

Agronomy Graduate Student Club	2015-Present
<i>Iowa State University</i>	
Secretary 2016	
Graduate Meteorology Club	2015-Present
<i>Iowa State University</i>	
President 2017-2018	
Student Organic Farm	2015-2017
<i>Iowa State University</i>	
Student Chapter of the American Meteorological Society	2011-2014
<i>University of Illinois at Urbana-Champaign</i>	
Wushu Martial Arts Club	2011-2014
<i>University of Illinois at Urbana-Champaign</i>	

Awards

Graduate and Professional Student Senate Professional Advancement Grant	Dec. 2016
<i>Iowa State University, Ames, IA</i>	
Charles N. and Verna H. Brown Scholarship in Agricultural Meteorology	2015/16/17
<i>Iowa State University, Ames, IA</i>	
Poster Competition: 3rd Place	Apr. 2014
<i>Undergraduate Research Symposium, University of Illinois, Urbana, IL</i>	
Conference Travel Grant	Feb. 2014
<i>The Office of Undergraduate Research, University of Illinois, Urbana, IL</i>	