



# Meet Aleksey Sheshukov

**Aleksey Sheshukov, PhD**

Associate Professor

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**Aleksey Sheshukov** is Associate Professor and Extension Water Quality Specialist in the Department of Biological & Agricultural Engineering at Kansas State University. He received a master's degree in applied mathematics and theoretical mechanics and earned a doctorate in fluid mechanics from Kazan State University, Russia. His research aims at investigating hillslope and watershed-scale hydrologic and water-quality processes under changing climate and land use conditions using a variety of theoretical, computational, and monitoring approaches. He has published on the topics of subsurface flow instability, surface-subsurface interactions, soil erosion, stream sedimentation, the effects of agricultural practices on non-point source pollution, and processes in frozen soil and permafrost degradation. His research program is funded by multi-disciplinary grants from NSF, USDA, USGS, EPA, and NRCS. At Kansas State University his research program is tightly integrated with extension activities on providing service and engaging citizens in conservation and protection of Kansas watersheds. He developed watershed assessment plans for 13 HUC-8 watersheds in Kansas and Missouri to mitigate nonpoint source pollution from agricultural fields. He is a recipient of Big XII Faculty Fellowship Award and College of Engineering Public Service Award.

**“How do you plan on advancing UCOWR’s mission of leading in education, research and public service in water resources?”**

I propose to further UCOWR’s mission by enhancing our role in promoting multi-disciplinary activities and working with citizens and various stakeholders' groups for addressing non-point source pollution in our watersheds. The issues of invasive species, emerging pollutants in streams and lakes, extreme rainfall events, and other water resources matters require development of novel approaches that integrate inputs from different sciences and cross the boundaries of different disciplines. As a board member, I would like to organize networking events and engage UCOWR delegates and academic partners in discussing emerging water resource and water quality issues that our watersheds face. At the annual conference I would propose and lead a session on emerging problems of watershed water resources and recruit speakers with diverse scientific, professional, and cultural backgrounds.