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- An Examination of the Impacts of *Didymosphenia geminata* on Food Web Dynamics in Rapid Creek. L. A. Kunza, R. Marlow, J. McGeary, and J. Z. Haueter. *Department of Atmospheric and Environmental Sciences, South Dakota School of Mines and Technology, Rapid City, SD 57701*.
- The Non-Target Effects of Thiamethoxam on *Coleomegilla maculata*. Insecticide Transmission via *Rhopalosiphum padi* Consuming Treated Wheat Plants. Mike Bredeson<sup>1</sup>, Jonathan Lundgren<sup>2</sup>, and Neil Reese<sup>1</sup>. <sup>1</sup>*South Dakota State University, USDA-ARS, Brookings, SD 57007*. <sup>2</sup>*USDA-ARS, Brookings, SD 57007*.
- Plant Community Patterns on the Signal Hill Research Natural Area. J. L. Butler and B. E. Dickerson. *US Forest Service, Rocky Mountain Research Station, Forest and Grassland Research Laboratory, Rapid City, SD 57702*.
- In Silico Analysis of Disease Resistance Genes in Cultivated Barley (*Hordeum vulgare* L.: Poaceae). E. J. Anderson, E. A. Opitz, B.V. Benson, and M. P. Nepal. *Department of Biology & Microbiology, South Dakota State University, Brookings, SD 57007*.
- In Silico Analysis of Disease Resistance Genes in Foxtail Millet (*Setaria italica*: Poaceae). E. A. Opitz, E. J. Anderson, B.V. Benson, and M. P. Nepal. *Department of Biology & Microbiology, South Dakota State University, Brookings, SD 57007*.
- Genetic Structure of Endangered Populations of Native Mulberry in the Upper Midwest USA. S. J. Schreier, S. Piya, and M.P. Nepal. *Department of Biology & Microbiology, South Dakota State University, Brookings, SD 57007*.
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- Vegetation Trends of Sagebrush Habitat near Greater Sage Grouse Leaks in Northwestern South Dakota after 20 Years. Daryl E. Mergen<sup>1</sup>, Carin J. Corley<sup>1</sup>, Charles D. Bonham<sup>2</sup>, Shelly Deisch<sup>1</sup>, Dave Ode<sup>2</sup>, and Samantha L. Nichols<sup>1</sup>. <sup>1</sup>*Mergen Ecological Delineations, Inc., 1835 Parkview Boulevard, Colorado Springs, CO 80905*. <sup>2</sup>*UniScale Corporation, Loveland, CO 80537*. <sup>3</sup>*South Dakota Game Fish & Parks Department, Pierre, SD 57501*.