Lisa Schulte Moore
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Professor of Natural Resource Ecology and Management, Co-Director of the Bioeconomy Institute
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Professional Qualifications

Postdoctoral Associate, 2002-2003, USDA Forest Service Northern Research Station, Grand Rapids, MN
PhD in Forestry, University of Wisconsin-Madison, 2002
MS in Biology, University of Minnesota-Duluth, 1996
BS in Biology (minors in chemistry, environmental science), University of Wisconsin-Eau Claire, 1993

Academic and Professional Positions

Co-Director, 2022-present, Iowa State University, Bioeconomy Institute, Ames, IA
Professor, 2003-present, Iowa State University, Natural Resource Ecology and Management, Ames, IA
Visiting Associate Professor, 2010-2011, University of Minnesota, Department of Bioproducts and
    Biosystems Engineering and Institute on the Environment, St. Paul, MN
Biology Associate Lecturer, 1997-1998, University of Wisconsin-Eau Claire, Eau Claire, WI
Biology Instructor, 1997, Western Michigan University, St. Joseph, MI

Selected Publications (149 total, 96 peer-reviewed papers plus 53 additional publications)

Upadhaya, S, JG Arbuckle, LA Schulte. 2023. Farmer typologies integrating latent and observed
    characteristics: insights for soil and water conservation outreach. Land Use Policy 134: 106889.
Khanal, B, K Schoengold, T Mieno, LA Schulte. 2022. The impact of policy design on willingness to pay for
    ecosystem services from prairie strips. Journal of the Agricultural and Applied Economics Association
    1: 352-369.
Nowatzke, M, L Damiano, FE Miguez, GS McNunn, J Niemi, LA Schulte, EA Heaton, A VanLoocke. 2022.
    Augmenting agroecosystem models with remote sensing data and machine learning increases overall
    estimates of nitrate-nitrogen leaching. Environmental Research Letters 17:114010.
Schulte, LA, BE Dale, S Bozzetto, M Liebman, G Souza, N Haddad, TL Richard, B Basso, RC Brown, JA
    Hilbert, JG Arbuckle. 2022. Meeting global challenges with regenerative agriculture producing food
    and energy. Nature Sustainability 5:384–388.
Caviglia-Harris, J, K Hodges, B Helmuth, E Bennett, K Galvin, M Krebs, K Lipps, M Lowman, LA Schulte, T
    Schurr. 2021. The six dimensions of collective leadership that advance sustainability objectives:
    rethinking what it means to be an academic leader. Ecology and Society 26(3):9.
Schulte Moore L, J Jordahl, editors. 2022. Carbon science for carbon markets: emerging opportunities in
    Iowa. CROP 3175. Iowa State University Extension and Outreach, Ames, Iowa. 281 pp. *(Prepared at
    the request of the State of Iowa)*
Garibaldi, LA, LA Schulte, D Gomez Carella, D Nabaes Jordar, C Kremen. 2021. Time to integrate
    pollinator science into soybean production. Trends in Ecology and Evolution 36:573-575.
Chennault, CM, RM Valek, JC Tyndall, LA Schulte. 2020. PEWI: An interactive web-based ecosystem
    services model designed for a broad public audience. Ecological Modelling 431: 109165.
Schulte, LA, JB Niemi, MJ Helmers, M Liebman, JG Arbuckle, DE James, RK Kolka, ME O'Neal, MD Tomer,
    JC Tyndall, H Asbjornsen, P Drobney, J Neal, G Van Ryswyk, C Witte. 2017. Prairie strips improve
    biodiversity and the delivery of multiple ecosystem services from corn-soybean croplands. PNAS 114
    (42): 201620229.
Asbjornsen, H, V Hernandez-Santana, M Liebman, J Bayala, J Chen, M Helmers, CK Ong, LA Schulte.
    2014. Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services.
    Renewable Agriculture and Food Systems 29:101-125.

Selected Honors and Awards

Citation for Leadership and Achievement, Council of Scientific Society Presidents, 2022
Iowa State University Presidential Interdisciplinary Team Award, 2022
Dean's Citation Award, Iowa State University College of Agriculture and Life Sciences, 2022
MacArthur Fellow, John D. and Catherine T. MacArthur Foundation, 2021
Fellow, Ecological Society of America, 2021
Iowa InnovationENTREPRENUER Award, Business Record, 2020
Soil and Water Conservation Society Conservation Innovation Award, 2020
Team Award, Iowa State University College of Agriculture and Life Sciences, 2018
Inductee, University of Minnesota Duluth Academy of Science and Engineering, 2017
Fellow, Kavli Frontiers of Science Program, U.S. National Academy of Sciences, 2014
Fellow, Leopold Leadership Program, Stanford University Woods Institute for the Environment, 2013
Teaching Award of Merit, North American Colleges and Teachers of Agriculture, 2007

Selected Grants ($111,291,919 total, $17,300,032 as Lead Principal Investigator (PI))

USDA, 2023-2028, Horizon II: Preparing for a low-carbon future for agriculture and energy through climate-smart corn, soybean, and pork production, $80,000,000 *(Exec Team Member, ISU Lead)*
Bia-Echo Foundation, 2021-2024, Facilitating faster-paced adoption of prairie strips on farms across the US Midwest, $1,104,788 *(PI)*
Iowa Economic Development Authority, 2021-2022, Assessing carbon market opportunities for Iowa agriculture, $181,801 *(PI)*
USDA Agriculture and Food Research Initiative, 2020-2025, Consortium for Cultivating Human and Naturally reGenerative Enterprises (C-CHANGE), $10,000,000 *(PI)*
Walton Family Foundation, 2020-2024, Advancing a new biobased value chain in the Corn Belt to improve climate resilience, water quality, and rural vitality – Phase 1 and 2, $646,402 *(PI)*
National Science Foundation, 2019-2022, Sustainable field-to-market supply chains enabled by blockchain networks, $300,000 *(co-PI)*
Iowa State University Presidential Interdisciplinary Research Initiative, 2018-2022, Consortium for Cultivating Human And Naturally reGenerative Enterprises (C-CHANGE), $750,000 *(PI)*
USDA Farm Service Agency, 2018-2021, Estimating the effect of CRP contour strips on nutrient retention, water quality, grassland birds, soil health, and farm finances – Phase 1 and 2, $689,739 *(PI)*

Postdocs and Graduate Students (1 Postdoc, 8 PhD, 16 MS)

Usman Anwar (MS2014), Ryan Atwell (PhD2008), Ellen Audia (MS2021), Melanie Bogert (MS2023), Paul Brown (PhD2008), Carrie Chennault (MS2014), Rachael Cox (MS2012), Stephanie Enloe (MS2014), Dustin Farnsworth (MS2009), Jordan Giese (PhD2023), Kumudan Grubh (MS2010), Katharyn (Derr) Lang (MS2006), Drake Larsen (MS2011), Tricia Knoot (PhD2008), Anna MacDonald (MS2012), Richard Magala (PhDX24), Erik Mottl (MS2007), Todd Ontl (PhD2013), Andrew Rayburn (MS2006), Eddie Shea (MS2013), Matt Stephenson (MS2017, PhD2022), Suraj Upadhaya (POSTDOC2019-2022), Andres Vargas (MSX24), Robert Valek (PhD2020), Emily Zimmerman (PhD2019)

Selected Professional Service

Advisor, Iowa Smart Agriculture, 2021-present
Editorial Board, *BioScience*, 2018-present
Science Advisory Board, Great Lakes Bioenergy Research Center, 2019-present
Board of Directors for Practical Farmers of Iowa, 2018-2021; Treasurer, 2020-2021 (*elected*)
Trustee, The Nature Conservancy of Iowa, 2010-2021; Executive Committee, 2016-2019
Coordinating Editor, *Landscape Ecology*, 2010-2015
Governing Board, US Chapter – International Association for Landscape Ecology, 2006-2010; Treasurer, 2008-2010 (*elected*)