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Education

Universidad Autónoma Chapingo (México)	Agronomy	B.S. 1988
Iowa State University	Soil Science	M.S. 1997
Iowa State University	Soil Science	Ph.D. 2002

Professional Experience

2012-present	Research Soil Scientist, USDA, ARS, West Lafayette, IN
2012-present	Adjunct Assistant Professor, Agronomy, Purdue University
2002-12	Research Chemist, USDA, ARS, Beaver, WV
1994-02	Graduate Research Assistant, Iowa State Univ., Ames, IA
1992-94	Junior Chemist, IBP, Inc., Columbus Junction, IA

Current Research Areas

- a. Assessment of conservation practices on soil and water quality.
- b. Influence of soil amendments, including gypsum and manure, on soil and grain quality.
- c. Soil organic matter formation and stabilization and nutrient cycling.
- d. Holistic solutions to remove contaminants of environmental concern from water.

Synergistic Activities

- a. Member, S877 Soil Testing & Plant Analysis Committee, Soil Science Society of America, 2005-2007.
- b. Organizer of 2009 Symposium on the “*Biogeochemical Processes in Ecosystems: The Tannin Effect*”.
- c. Member, ACS528 Diversity in Agronomy, Crops, Soils, and Environmental Sciences Committee, 2010.
- d. Electronic Communication Committee, The Clay Minerals Society, 2011-2013.
- e. Associate Editor for the Soil Science Society of America Journal.
- f. Associate Editor for the Agronomy journal.

Collaborators & Other Affiliations

a. Collaborators

W.A. Dick, The Ohio State University; Richard Dick, The Ohio State University; N.R. Fausey, Soil Drainage Research Unit, USDA-ARS; Jorge Ferreira, Salinity Laboratory, USDA-ARS; A.E. Hagerman, Department of Chemistry and Biochemistry, Miami

University (Ohio); J.J. Halvorson, Northern Great Plains Research Laboratory, USDA-ARS; A. Hass, West Virginia State University; K.R. Islam, The Ohio State University; I. Lima, Southern Regional Research Center, USDA-ARS; M.A. Schmidt: Biochemistry, Wright State University; P.C. Smiley; Soil Drainage Research Unit, USDA-ARS; Robert Gillespie, Purdue University Fort Wayne; Cliff Johnston, Purdue University; Wei Zhang, Michigan State University.

b. Graduate and Postdoctoral Advisors

- Richard (Ruiqiang) Liu, Post-doc, USDA, ARS, Beaver, WV
- Andrea Funk, MS, Purdue University

c. Thesis Advisor and Scholar Sponsor

- Michael Schmidt, Miami University-Ohio
- Juanli Song, Northwest A&F University (China)
- James Beer, Northeastern Illinois University
- Mauricio Basurto, Universidad Tecnológica de Querétaro (Mexico)
- Yoselin Mazondo, Universidad Tecnológica de Queretaro (Mexico)
- Diana Ramírez Suaste, Universidad Tecnológica de Querétaro (Mexico)
- Stephen Schwartz, Wallace Carver Fellow, Purdue University
- Lynnette Murphy, Northeastern Illinois University
- Alan Andrade-Montoya, Centro de Ingeniería y Desarrollo Industrial (Mexico)
- Lucia Zuñiga, Purdue University
- Gordon Macleod, Purdue University
- Murilo de Campos, São Paulo State University (Brazil)
- Fisal Bin Ahmad, Malaysian Cocoa Board (Malaysia)

d. Advisory and Consultant Activities

- Upper Guyandotte Watershed Association, Amigo, WV
- Uruguayan Environmental Agency (DINAMA), Montevideo, Uruguay
- NEXUS (Purdue) – Universidad Nacional San Agustín, Arequipa, Perú

Publications

- More than 60 articles in peer-reviewed scientific journals and trade magazines; for more details and listing, see:
<https://www.ars.usda.gov/people-locations/person/?person-id=47857>