

Yan Jin

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EDUCATION

- Ph.D.** Environmental Toxicology, University of California, Riverside, 1994
- M.S.** Soil Chemistry, New Mexico State University, 1989
- B.S.** Soil Science, Agricultural University of Hebei, China, 1983.

PROFESSIONAL EXPERIENCE

- 6/06 – present: Professor of Environmental Soil Physics, Department of Plant and Soil Sciences, and Professor of Civil and Environmental Engineering (joint appointment), University of Delaware
- 5/04 – present: Adjunct Professor, College of Natural Resources and the Environment, China Agricultural University, Beijing, China
- 6/01 – 5/06: Associate Professor, Department of Plant and Soil Sciences and Associate Professor of Civil and Environmental Engineering (joint appointment), University of Delaware
- 9/95 – 5/01: Assistant Professor, Department of Plant and Soil Sciences, University of Delaware
- 9/94 – 8/95: Postdoctoral Research Associate, Department of Environmental Sciences, University of California, Riverside
- 8/83 – 7/86: Lecturer, Department of Agronomy, Agricultural University of Hebei, China

PROFESSIONAL AFFILIATIONS

- American Chemical Society
- American Geophysical Union
- Agronomy Society of America
- Association of Chinese Soil and Plant Scientists in North America
- Soil Science Society of America

RESEACH

- Projects (<http://ag.udel.edu/plsc/faculty/jin/SoilPhysicsResearch.htm>)
- Publications (<http://ag.udel.edu/plsc/faculty/jin/SoilPhysicsPublications.htm>)
- Research Group (<http://ag.udel.edu/plsc/faculty/jin/SoilPhysicsLabMembers.htm>)

COURSES TAUGHT

- PLSC 603 – Environmental Soil Physics:** Appreciate the importance of soil physics in relation to other disciplines of soil and environmental sciences. Main topics: status of water in soil, fundamental principles of water flow, differences between saturated and unsaturated water flow, water balance in the field, infiltration, evapotranspiration, heat, gas, and solute (contaminant) transport in soil.
- PLSC438 – Contaminant Fate and Transport in Porous Media:** Introduce the basic principles of contaminant behavior in the subsurface environment, which includes both saturated and unsaturated zones. Main topics are: nature of the subsurface environment, types and sources of contaminants, transformations of contaminants in the subsurface, fundamental principles of water flow, differences between saturated and unsaturated water flow, and transport processes of contaminants.

SERVICE

Appointments and Invitations

- Associate Editor, Vadose Zone Journal, Soil Science Society of America, 2003 – present
- Leadership Team, University of Delaware Center for Critical Zone Research, 2006 – present
- President, Association of Chinese Soil and Plant Scientists in North America, 2007 – 2008
- Vice President, Association of Chinese Soil and Plant Scientists in North America, 2006 – 2007
- Secretary/Treasurer, Association of Chinese Soil and Plant Scientists in North America, 2005 – 2006
- Member, Soil Science Research Award Committee (S471), Soil Science Society of America, 2003 – 2005
- Chair, Western Regional Soil Physics Committee (W-1188), 2003 – 2004
- Secretary, Western Regional Soil Physics Committee (W-1188), 2002 – 2003
- Panel member, Soil Processes Panel, National Research Initiative Competitive Grants Program, U. S. Department of Agriculture, 2005
- Panel member, Soil and Soil Biology Panel, National Research Initiative Competitive Grants Program, U. S. Department of Agriculture, 2003
- Member, Committee on Emerging Issues in Soil Science, Soil Science Society of America, 2000 – 2002
- Member, Western Regional Soil Physics Committee (W-188, now W1188), 1995 – present
- Member, Feasibility Committee for a “Vadose Zone Hydrology Journal”, Soil Science Society of America, 1999 – 2000
- Member, Soil Science Society of America Don and Betty Kirkham Soil Physics Award Committee (S483), 1999 – 2000
- Panel member, Water Resources and Protection Panel, National Research Initiative Competitive Grants Program, U. S. Department of Agriculture, 1999

International and National Meeting Sessions Chaired

- Colloid & Interfacial Phenomena in Environmental Systems, 81st ACS Colloid & Surface Symposium, June 24-27, University of Delaware, Newark, DE.
- Hydrological Science Program HS31: Transport of Microorganisms and Colloids in Unsaturated Zone – Laboratory and Field Evidence, Assessment and Modeling. European Geophysical Union Annual Meeting. April 25-30, 2005. Vienna, Austria.
- W1188 Soil Physics Committee Annual Meeting: Characterization of Flow and Transport Processes in Soils at Different Scales. January 5-7, 2005. Las Vegas, NV.
- Symposium: Transport of Microbial Pathogens in Soils, Sponsored by S-3, S-1, and A-5. ASA-CSSA-SSSA Annual Meetings, October 18-22, 1998, Baltimore, MD.

Manuscript and Grant Proposals Reviewed

Reviewed numerous manuscripts for the following journals as reviewer or AE: Environmental Science and Technology; Geophysical Research Letter; Journal of Contaminant Hydrology; Journal of Environmental Quality; Journal of Environmental Science and Health; Soil Science; Vadose Zone Journal; Soil Science Society of America Journal; Water Resources Research; Journal of Irrigation and Drainage

Reviewed over 100 grant proposals as reviewer or panel member for the following agencies: U. S. Department of Agriculture; Department of Energy; National Science Foundation; Environmental Protection Agency; American Water Works Association Research Foundation

(AwwaRF); The United States – Israel Binational Agricultural Research and Development Fund (BARD); Water Resources Center, University of Wisconsin, Madison

University Committees

- Member, Faculty Senate Library Committee, 1996–2000 (2 terms)
- Member, Task Force on Library and Learning Resources, 1999–2000
- Member, Search Committee for Director for Development – Major Gifts. 2006.

College Committees

- Member, Agriculture and Natural Resources College Promotion and Tenure Committee, 2007
- Committee Member, Donald L. and Joy G. Sparks Graduate Fellowship in Soil Science. 2007-present
- Member, Agriculture and Natural Resources College Facilities Oversight Committee, 2005-present
- Member, Search Committee for Ornamentals IPM Specialist, 2005
- Member, Agriculture and Natural Resources College Dean Search Committee, 2001-2002
- Member, Search Committee for Associate Dean for Research, 2000
- Member, College Promotion and Tenure Committee, 1996-1998
- Member, Agricultural Sciences Scholar Award Selection Committee, 1997, 2000
- Participant, College Open House, 1995, 1996, 1997, 2001
- Participant, Delaware Preview (Discovery) Day, 1996, 1997, 1998, 2000, 2001, 2002, 2003

Department Committees

- Chair, Search Committee for Soil Pedology Assistant Professor, 2004-2005
- Member, Curriculum Committee, 2002-present
- Member, Search Committee for Soil Pedology Assistant Professor, 2002-2003
- Member, Search Committee for Soil/Water Quality Assistant Professor, 2001
- Member, Committee on Hospitality, 1997-1998, 2002-2004
- Member, Department Safety Committee, 2001-2003
- Member, Ad Hoc Committee on Instrument, 2000-2002
- Member, Promotion and Tenure Committee, 1996-1997, 1997-1998, 2002-2004, 2003-2004
- Member, Graduate Studies Committee, 1997-2003
- Member, Student Recruitment Committee 1997-1999
- Member, Search Committee for Senior Molecular Biologist, 1998
- Member, Search Committee for Junior Molecular Biologist, 1998
- Member, Chair Search/Evaluation Committee, 1998
- Co-Chair, Ad Hoc Graduate Enrichment Speaker's Committee, 1996-1997