MARKUS FLURY

Department of Crop & Soil Sciences
Washington State University, Puyallup, WA 98371
Phone: (253) 455-4522; E-mail: flury@wsu.edu; URL: http://soilphysics.weebly.com

Education

1993	**Swiss Federal Institute of Technology Zürich (ETH)**, Ph.D. in Natural and Environmental Sciences.
1988	**University of Zürich**, Switzerland, M.S. in Geosciences.

Employment and Experiences

2018–2020	**Gaylon S. Campbell Distinguished Professor**
1997–present	**Assistant, Associate, Full Professor of Soil Physics/Vadose Zone Hydrology**, Department of Crop and Soil Sciences, Washington State University (WSU).
2009–2015	**Assistant Chair**, Department of Crop and Soil Sciences, Washington State University.
2005/2006	**Visiting Professor (Sabbatical)**: Institute of Soil Science, Chinese Academy of Science, Nanjing; Swiss Federal Institute of Technology Zürich (ETH).
1994–1996	**Post-Doctoral Research Associate**, University of California, Riverside, CA.

Awards and Honors

2017	Don and Betty Kirkham Soil Physics Award.
2016	Fellow, American Association for the Advancement of Science.
2011	Fellow, Soil Science Society of America.
2011	Western Association of Agricultural Experimental Station Directors Award for Excellence for Outstanding Contributions to Western Region Multistate Research.
2006	Keynote Talk at Gordon Conference "Flow and Transport in Permeable Media".
2005	Editor's Citation for Excellence in Manuscript Review for Vadose Zone Journal.
2003	WSU, College of Agriculture Team Excellence Award.
2001	WSU, College of Agriculture Excellence in Research Award.
1993	ETH Medal for outstanding dissertation.

Editorial Appointments

2019–present	Editor, Vadose Zone Journal.
2017–2018	Co-Editor, Vadose Zone Journal.
2016–2017	Guest Editor, Vadose Zone Journal.
2014–2015	Guest Editor, Journal of Contaminant Hydrology.
2009–2013	Associate Editor, Water Resources Research.
2004–2007	Associate Editor, Journal of Environmental Quality.
2001–2004	Associate Editor, Vadose Zone Journal.

Selected Activities

2015	Chair, Soil Physics and Hydrology Division, Soil Science Society of America.
2013–2014	Member of the Committee for the Evaluation of National Scientific Qualifications for Associate and Full Professors in Italy.
2012	Member of the Committee for the National Agency for the Evaluation of Universities and Research Institutes in Italy between 2004–2010.
2012	Chair, Review Panel, Institute of Bio- and Geosciences, Research Center Jülich, Germany.
2004–2008	Scientific Advisory Board, Institute of Chemistry and Dynamics of the Geosphere, Research Center Jülich, Germany.
2006–2009	Proposal Review Panelist, German Research Foundation (DFG).
2003, 2004	Proposal Review Panelist, USDA-National Research Initiative.
2003	Advisory Panel, US Department of Energy, Remediation Challenges and Research Opportunities at the Savannah River Site, US Department of Energy.
2001	Member, US Department of Energy National Vadose Zone Roadmap.
1999–2000	Secretary (1999) and Chair (2000), Regional Research Project W-188, "Improved Characterization and Quantification of Flow and Transport in Soils".

Teaching

Introduction to Soil Science	Undergraduate Level
Environmental Soil Physics	Upper Undergraduate and Graduate Levels
Vadose Zone Processes	Graduate Level
Scientific Writing & Ethics	Graduate and Postgraduate Levels (Short Course)

Research Interests

My principal research interest is in the area of flow and transport in porous media, particularly in the vadose zone. Specific areas include: (1) Fate and transport of colloids and nanoparticles in porous media; (2) characterization of water flow and solute transport in the vadose zone, (3) soil physical instrumentation and their applications, (4) sustainable use of soil resources.

Journal Publications

Metrics: (July 2020)

H-Index:	54 (Google Scholar); 44 (Web of Science)
Number of Journal Publications:	119
Number of Citations:	10,400 (Google Scholar); 6,300 (Web of Science)
Number of Book Chapters:	11
Editorials and Viewpoints:	4

Multidisciplinary Science:

Proc. Nat. Acad. Sci. USA, PLoS ONE

Soil Physics, Soil Science, Hydrology, Environmental Sciences:

Adv. Agron., Adv. Water Resour., Agric. Ecosystems Environ., Agri. Forest Meteorol., Agri. Water Manage., Appl. Eng. Agric., Appl. Environ. Microbiol., Appl. Geochem., Environ. Sci. Technol., Eur. J. Soil Sci., Geoderma, Hydrol. Processes, Inter. J. Environ. Res., J. Contam. Hydrol., J. Environ. Qual., J. Hydrol., J. Plant Disease Protection, Pedosphere, Rev. Environ. Contam. Toxicol., Rev. Geophys., Sci. Total Environ., Seed Sci. Res., Soil Sci. Soc. Am. J., Soil Tillage Res., Trans. ASABE, Vadose Zone J., Water Res., Water Resour. Res.

Colloid Science, Colloid and Surface Chemistry:

Clays Clay Minerals, Colloids Surf. Physicochem. Aspects, Critical Rev. Environ. Sci. Technol, Environ. Sci. Nano, Environ. Sci. Technol., Environ. Pollut., J. Colloid Interface Sci., Langmuir, Microporous Mesoporous Materials, Polymer Testing