

**Deb P Jaisi**  
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### Education and Training

Institution	Area	Degree	Year Awarded
Asian Institute of Technology, Bangkok, Thailand	Soil and Geoenvironmental Engineering	MSc	2001
Miami University, Oxford, OH	Biogeochemistry	PhD	2007
Yale University, New Haven, CT	Isotope geochemistry	Postdoc	2010
Yale University, New Haven, CT	Environmental Engineering	Postdoc	2010

### Research and Professional Experience

Years	Position
2017-date	Associate Professor, Department of Plant & Soil Sciences, University of Delaware
2018-2020	NSF Visiting faculty fellow, Division of Geological and Planetary Sciences, California Institute of Technology
2011-2016	Assistant Professor, Department of Plant & Soil Sciences, University of Delaware
2007-2010	Interdepartmental Bateman Postdoctoral Fellow, Yale University

### Synergistic Activities

#### A. Professional society memberships

Soil Science Society of America (SSSA), American Geophysical Union (AGU), American Chemical Society (ACS), Clay Minerals Society (CMS), Geological Society of America (GSA), American Society of Nepalese Engineers (ASNEng)

#### B. Professional and scholarly honors

- National Science Foundation CAREER Award, 2017
- National Science Foundation ESPCoR Fellowship, 2017
- New Investigator Award, American Chemical Society (ACS), 2013
- Ralph Powe Junior Faculty Enhancement Award (ORAU), 2012
- First Runner-Up Award publication, Environmental Science & Technology, 2008
- Interdepartmental Bateman Postdoctoral Fellowship, Yale University, 2007
- GDL Foundation Fellowship, 2007
- First Geology Doctoral Award (outstanding doctoral degree), Miami University, 2007
- Graduate School Achievement Award, Miami University, 2005, 2006, 2007
- Robert C. Reynolds, Jr. Research Award, Clay Minerals Society, 2006
- Deeswasmongkul Prize (outstanding performance in Masters' degree at AIT), 2003
- Asian Development Bank Scholarship (for Masters' degree at AIT), 2001
- Mahendra Vidhya Bhusan (Gold Medal, Conferred by the King of Nepal), 1999
- Outstanding Student Scholarship, Nepal Academy of Science and Technology, 1997

***C. Other significant professional contributions***

i) Associate Editorship: a) Clays and Clay Minerals, b) PLOS One, c) Soil Methods, d) ACS Earth and Space Chemistry, e) Soil System, e) Pedosphere, f) Agriculture, Ecosystem and Environment; ii) Councilor, Clay Minerals Society, 2014–2017; iii) Chair, Student Awards Committee, Clay Minerals Society, 2014–2017; iv) Member, Student Awards Committee, Soil Science Society of America, 2014, 15, 18, 19; v) Society Director, American Society of Engineering (ASNEng), 2016–2018; vi) Faculty Advisor, Nepalese Student Association, University of Delaware, 2016– date; vii) Chief Advisor, Nepalese Student Association, Tribhuvan University, Nepal, 2016– date; viii) Faculty Mentor, Goldschmidt Conference, 2015, 2016 ; ix) Faculty Mentor, ASA-CSA-SSSA Annual Meeting, 2015, 2018, 2019.

*ii) Conference organizer and advisory committee (in last 5 yrs):* i) AgroEnvironment Conference, Nanjing China, 2018; ii) Third International Conference on Water Resource and Environment, China 2017); 2) *Session organizer in professional society meetings:* i) P cycling in soils: From the molecular to the field scale (SSSA, 2019); ii) Coupling and feedbacks of phosphorus and nitrogen in soil and ecosystems: Missing gaps and future directions (SSSA, 2019); iii) Approaching peak phosphorus and seeking alternatives: linking reuse, speciation, and availability (SSSA, 2017), iv) Soil enzymes: methods of analyses and mechanisms (SSSA, 2017); v) Tracking legacy phosphorus in lakes and rivers (SSSA, 2015); v) Environmental fate of chemicals of emerging concern (SSSA, 2015); and vi) New insights on nutrient sources and biogeochemical processes in surface waters as revealed by advanced techniques and in situ optical sensors (AGU, 2015).

*iii) Proposal reviews(in last 5 yrs):* i) *ad-hoc reviewer* in NSF, DOE, USDA, NASA, EPA, Canada Innovation Grant, NRSEC-Canada, RI-United Kingdom, BSF-Israel, FNRS-Belgium, German Research Foundation (DFG), French National Research Agency (ANR), Dutch Research Council, Swiss NSF, ii) *Review panels:* NSF (Low Temperature Geochemistry, Sedimentology, ESPCoR, Postdoc Fellowship, Environmental Chemistry); *AFRI* (BNRE, Soil Health); iii) *other grants:* state and regional grants: sea grants (DE, MN, MD, WI, NJ Water), EPSCoR, and university internal grants (U Toledo, U Kansas, U Maine, U Vermont).

**Publications** (93 total peer reviewed publications including book chapters  
(h-index: 30; i<sub>10</sub>-index: 57; citations: 4393)

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