

Sital Uprety, Ph.D.

PERSONAL DATA

Department of Sanitation, Water and Solid Waste for Development (Sandec),
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EDUCATION

2016-2020 **PhD**, University of Illinois, Dept. of Civil and Environmental Engineering, IL, USA
2014-2016 **MSc**, University of Illinois, Dept. of Civil and Environmental Engineering, IL, USA
2011-2014 **BSc**, University of Missouri, Dept. of Civil and Environmental Engineering, MO, USA

RESEARCH EXPERIENCE

2020- **Postdoctoral Fellow**, Sandec, Eawag, Dübendorf, Switzerland
2014-2020 **Graduate Research Fellow**, University of Illinois, Dept. of Civil and Environmental Engineering, IL, USA
2014 **Environmental Research Intern**, Environment and Public Health Organization (ENPHO), Kathmandu, Nepal
2012-2014 **McNair Scholar**, University of Missouri, Dept. of Civil and Environmental Engineering, MO, USA
2012 **Undergraduate Research Grant (USRG) Scholar**, Texas A&M University, Dept. of Civil and Environmental Engineering, TX, USA

FUNDED RESEARCH PROJECTS

2020-2022 Association of human behavioral response and water microbiome in flood prone regions of Nepal. *Eawag Postdoctoral Fellowship*, Eawag, Switzerland
2017-2018 Identification of diversity of Adenovirus, Rotavirus and Norovirus in water samples in Nepal. *JSPS Fellowship*, Tohoku University, Sendai, Japan
2015-2016 Interdisciplinary Training for Engineers and Scientists: Bridging the Gap for Sustainable International Development Projects, *Focal Point Grant*, University of Illinois, IL, USA
2014-2018 Influence of natural conditions and anthropogenic factors on Water, Sanitation, and, Hygiene (WaSH), *National Science Foundation GRFP*, University of Illinois, IL, USA

RECENT PUBLICATIONS

1. Holcomb, D., Palli, L., Setty, K., & **Uprety, S.** (2020). Water and health seminar and special issue highlight ideas that will change the field. *International journal of hygiene and environmental health*, 226, 113529.
2. Mao, Y., Zeineldin, M., Usmani, M., **Uprety, S.**, Shisler, J. L., Jutla, A., & Nguyen, T. H. (2020) Distribution and antibiotic resistance profiles of Salmonella enterica in rural areas of North Carolina after Hurricane Florence in 2018. *GeoHealth*, e2020GH000294.
3. Mori, J., **Uprety, S.**, Mao, Y., Koloutsou-Vakakis, S., Nguyen, T. H., & Smith, R. L. (2020). Quantification and Comparison of Risks Associated with Wastewater Use in Spray Irrigation. *Risk Analysis*.
4. Ueki, Y., Amarasiri, M., Kamio, S., Sakagami, A., Ito, H., **Uprety, S.**, & Sano, D. (2021). Human norovirus disease burden of consuming Crassostrea gigas oysters: A case-study from Japan. *Food Control*, 121, 107556.
5. **Uprety, S.**, Dangol, B., Nakarmi, P., Dhakal, I., Sherchan, S. P., Shisler, J. L., ... & Nguyen, T. H. (2020). Assessment of microbial risks by characterization of Escherichia coli presence to analyze the public health risks from poor water quality in Nepal. *International journal of hygiene and environmental health*, 226, 113484.

Full list on [Google Scholar](#)

RECENT PRESENTATIONS:

1. Uprety, Sital, et al., “Do WaSH Interventions Reduce Household Pathogen Load? A Three-Year Longitudinal Study in Nepal.”, *Colorado WaSH Symposium*, Colorado, USA, March 2020
2. Uprety, Sital, et al., “Impact of Water, Sanitation, and Hygiene (WASH) interventions on Pathogen Load.”, *International Graduate Student Conference*, Honolulu, Hawaii, USA, February 2020
3. Uprety, Sital, et al., “Impact of Water, Sanitation, and Hygiene (WASH) interventions on the bacterial pathogen load in households in rural Nepal.”, *IWA’s Health Related Water Microbiology Conference*, Vienna, Austria, September 2019
4. Uprety, Sital, et al., “Microbial assessment of Water, Sanitation and Hygiene (WASH) in temporary and permanent settlements two years after Nepal 2015 earthquake.”, *Water and Health Conference*, Cannes, France, June 2019

SELECTED AWARD AND HONORS:

2020	Eawag Postdoctoral Fellowship, Dübendorf, Switzerland
2020	Illinois International Graduate Achievement Award, University of Illinois, IL, USA
2019	Mavis Future Faculty Fellowship, College of Engineering, IL, USA
2019	University of Illinois Civil and Environmental Excellence Fellowship, IL, USA
2017-2018	Japan Society Promotion of Sciences (JSPS) Fellowship, Japan
2014-2018	National Science Foundation (NSF) Fellowship, USA
2012-2014	Robert Barton Engineering Scholarship, MO, USA

SERVICE AND TEACHING:

2020-	Editorial Board Member , <i>International Journal of Hygiene and Environmental Health</i>
2018-	Reviewer , <i>Environmental Science and Technology</i> ; <i>Environmental Science: Water Research and Technology</i> , <i>Science of Total Environment</i> . <i>Journal of Water and Health</i> ; <i>BMC Global Health</i> ;
2021-	Lecturer , Water Supply, Sanitation and Waste Infrastructure and Services in Developing Countries, MSc level Course, ETH-Zurich
2020	Lecturer , Introduction to Environmental Engineering, BSc level Course, University of Illinois
2017-2020	Mentor , International Research Experience for Students (IRES) project on Water, Sanitation, and, Hygiene in low-income settings, University of Illinois

MEMBERSHIP

Associations	International Water Association (IWA), The Sustainable Sanitation Alliance (SuSanA), American Society of Civil Engineers (ASCE), American Water Wastewater Association (AWWA)
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SKILLS

Technical Skills: ArcGIS (Intermediate), R Programming Language (Intermediate), STATA (Intermediate), AutoCAD (Advanced), C Programming Language (Basic), Microsoft Office (Advanced)
Languages: English (Fluent), Nepali (Native), Hindi (Fluent), Japanese (Beginner), German (Beginner)

WEBSITE

Eawag	https://www.eawag.ch/en/aboutus/portrait/organisation/staff/profile/sital-uprety/show/
LinkedIn	https://www.linkedin.com/in/sitaluprety/
Personal	https://sitaluprety.com/