

Dr. Seetha N

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Education and Professional Career

2003-2007 BTech, Civil Engineering, College of Engineering Trivandrum, Trivandrum, India

2007-2009 MTech, Environmental Engineering, Indian Institute of Technology Roorkee,
Roorkee, India

2010-2016 PhD, Indian Institute of Science, Bangalore, India

Jan-May 2017 Assistant Professor, Indian Institute of Technology Bombay, India

Since May 2017 Assistant Professor, Indian Institute of Technology Hyderabad, Hyderabad,
India

Commitment, Appointments and Scientific Volunteer Jobs

Professional Awards, Offers and Recognitions

2010 Innovative Student Projects Award at Masters level, Indian National Academy of
Engineering

2011 Short Stay Fellowship for PhD candidates, Utrecht University

2013 Best Paper Award, HYDRO 2013 International, Indian Institute of Technology,
Madras

2014 G.M. Nawathe Award for Best Presentation during HYDRO 2013, The Indian
Society for Hydraulics

2014 Established Scientist's Travel Award, European Geosciences Union

2014 Travel Grant, Computational Methods in Water Resources, University of Stuttgart,
Germany

2014 Berkner Travel Fellowship, American Geophysical Union

2016 INSPIRE Faculty Award, Department of Science and Technology, Government of
India

Most important Publications (maximum 10)

(Peer reviewed journal articles / books / patents)

[1] N. Seetha, A. Raof, M.S. Mohan Kumar, S.M. Hassanizadeh. Upscaling of nanoparticle transport in porous media under unfavourable conditions: Pore scale to Darcy scale. Journal of Contaminant Hydrology, 200, 1-14, 2017.

[2] N. Seetha, S.M. Hassanizadeh, M.S. Mohan Kumar, A. Raof. Correlation equations for average deposition rate coefficients of nanoparticles in a cylindrical pore. Water Resources Research, 51, 8034-8059, 2015.

[3] N. Seetha, M.S.Mohan Kumar, S.M. Hassanizadeh. Modeling the co-transport of viruses and colloids in unsaturated porous media. Journal of Contaminant Hydrology, 181, 82-101, 2015.

[4] N. Seetha, M.S. Mohan Kumar, S.M. Hassanizadeh, A. Raof. Virus-sized colloid transport in a single pore: Model development and sensitivity analysis. Journal of Contaminant Hydrology, 164, 163-180, 2014.

2020 InterPore elections

[5] N. Seetha, R. Bhargava, P. Kumar. Effect of organic shock loads on a two-stage activated sludge-biofilm reactor. *Bioresource Technology*, 101, 3060-3066, 2010.