

Curriculum Vitae

Meghna Agarwala

Environmental Studies
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Current Appointment:

Assistant Professor, Environmental Studies, Ashoka University (2017-present)

Education:

Columbia University, New York, NY. Ph.D. Ecology, Evolution, and Environmental Biology. Feb 2015.
Yale University, New Haven, CT. M.E.Sc. Environmental Science, May 2009.
Jawaharlal Nehru University, New Delhi, India. M.Sc. Environmental Science, May 2006.
Fergusson College, University of Pune, Pune, India. B. Sc. Zoology, Geology, Botany.
May 2004.

Work Experience:

Post-doctoral Research Scientist, Earth Institute Center for Environmental Sustainability, Columbia University & Center for International Forestry Research (CIFOR), "Impact of Biogas Interventions on Forest Biomass, Species Composition and Carbon Sequestration", New York, NY. 2015-2016. Supervised research in Chikkaballapur (Karnataka) and Haldwani (Uttarakhand).
Assistant Programme Officer, Wildlife Trust of India, New Delhi, India. 2006-2007.

Funding:

Collaborator, National Aeronautics and Space Administration (NASA) project, "The Role of Urbanization in Degradation and Regeneration of Tropical Deciduous Forests in South Asia". 2017 onwards.
Proposal partly based on my Ph.D. research.
Funding for position of postdoctoral research scientist, Earth Institute, Columbia University, from Center for International Forest Research (CIFOR), Bogor, Indonesia, 2015-2016.
Faculty Fellow, Columbia University, 2009-2014.
Fellowship Grant, Tropical Resources Institute, Yale University, 2008.
Harrison Scholarship Award, Yale University, 2007-2009.

Publications:

Agarwala, M., Ghoshal, S., Verchot, L., Martius, C., Ahuja, R., DeFries, R., 2017. Impact of biogas interventions on forest biomass and regeneration in southern India. *Global Ecology and Conservation* 11, 213-223.
Agarwala, M., Ginsberg, J. R., 2017. Untangling impact of *de jure* and *de facto* community-based management of natural resources. *Conservation Biology* 31 (6), 1232-1246.
Agarwala, M., DeFries, R., Qureshi, Q., Jhala, Y.V., 2016. Factors associated with long-term species composition in dry tropical forests of Central India. *Environmental Research Letters* 11 (10), 1-19.
Agarwala, M., DeFries, R., Qureshi, Q., Jhala, Y. V., 2016. Changes in the dry tropical forests in Central India with human use. *Regional Environmental Change* 16 (1), 5-15.
Velho, N., Agarwala, M., Srinivasan, U., Laurance, W. H., 2014. Collateral damage: Impacts of ethno-civil strife on biodiversity and natural resource use near Indian nature reserves. *Biodiversity and Conservation* 23 (10), 2515-2527.
Agarwala, M., Kumar, S., Treves, A., Naughton-Treves, L., 2010. Paying for wolves in Solapur, India and Wisconsin, USA: Comparing compensation rules and practice to understand the goals and

politics of wolf conservation. *Biological Conservation* 143 (12), 2945-2955.

Book chapters:

Agarwala, M., (accepted, book expected to be published in 2018). Threats to coexistence of people and forests in Central India. For book 'Wildlife Conservation in India: From Policy to Practice', edited by K. Sivaramakrishnan and Ghazala Shahabuddin, Oxford University Press.

Recent Presentations:

2017, Ecological Society of America (ESA), NASA IGNITE panel, Portland, USA. 'Limitations and potential of using remote sensing in understanding forest change.'

2016, Forest Livelihoods and Research and Engagement (FLARE), Edinburgh, UK. 'Impact of institutions on community managed forests in Central India.'

2016, NITI Aayog, Delhi, India. 'Impact of biogas interventions on forest biomass and regeneration in southern India.'

2016, Annual Review Meeting (ARM), Center for International Forestry Research (CIFOR), Bogor, Indonesia. 'Impact of biogas interventions on forest biomass and regeneration in southern India.'

Professional Skills:

Analysis: Remote Sensing and GIS (Arc, Envi, R), Statistics (R), Programming (Python, IDL)

Media coverage:

August 2017, Shift to biogas helps revive forests, <http://www.scidev.net/global/forestry/news/biogas-helps-forests.html>