

# ANAND M OSURI

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## EDUCATION

PhD (Biology)	National Centre for Biological Sciences, Tata Institute of Fundamental Research, September 2015
MSc (Wildlife Biology and Conservation)	National Centre for Biological Sciences and Wildlife Conservation Society – India, June 2006
BE (Chemical Engineering)	MS Ramaiah Institute of Technology, Vishweshwaraiah Technological University, June 2004

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## APPOINTMENTS

### Current

2017- Earth Institute Fellow and NatureNet Science Fellow, Department of Ecology, Evolution and Environmental Biology, Columbia University

### Previous

2016-17 SERB National Postdoctoral Fellow, Rainforest Restoration Project, Nature Conservation Foundation  
2016 Research Consultant, Forest Landscape Restoration, World Resources Institute  
2015-16 Bridging Postdoctoral Fellow, Ecology and Evolution Group, National Centre for Biological Sciences  
2009-15 PhD Candidate, Ecology and Evolution Group, National Centre for Biological Sciences  
2006-09 Research Affiliate, Eastern Himalaya Programme and Western Ghats Programme, Nature Conservation Foundation

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## FELLOWSHIPS, AWARDS AND GRANTS

### Fellowships

2017-19 Earth Institute Fellowship and NatureNet Science Fellowship  
2017-18 Fulbright-Kalam Climate Fellowship, Columbia University (declined)  
2016-17 SERB National Postdoctoral Fellowship, Nature Conservation Foundation  
2004-06 Full scholarship, Postgraduate Program in Wildlife Biology and Conservation, National Centre for Biological Sciences and Wildlife Conservation Society – India

### Honours and Awards

2016 TIFR Zita Lobo Memorial Award (Honourable Mention) for best PhD thesis in Biology  
2014 Shivram Karanth Award, Student Conference in Conservation Science, Bangalore (Best Presentation)  
2006 Best Achiever, Department of Chemical Engineering, MS Ramaiah Institute of Technology

### Research Grants

2016	Rufford Small Grant for Nature Conservation (Booster)	\$13,020
2011	Rufford Small Grant for Nature Conservation	\$9,565

2010	Rufford Small Grant for Nature Conservation	\$9,430
2009	CEPF-ATREE Western Ghats Small Grant	\$15,805

### Travel Awards

2010	Summer School (Assessing and Communicating the Loss of Biodiversity and Ecosystem Services), University of Beyreuth, Germany
2007	Student Conference in Conservation Science – Cambridge, UK

## PUBLICATIONS

### Journal Articles

- Osuri, A.M., Chakravarthy, D., Mudappa, D., Raman, T.R.S., Ayyappan, N., Muthuramkumar, S. & Parthasarathy, N. (2017) Successional status, seed dispersal mode and overstorey species influence tree regeneration in tropical rain-forest fragments in Western Ghats, India. *Journal of Tropical Ecology* 33: 270-284.
- Osuri, A.M. et al. (2016) Contrasting effects of defaunation on aboveground carbon storage across the global tropics. *Nature Communications* 7 DOI:10.1038/ncomms11351 (Altmetric: 276, F1000Prime recommendation: <https://f1000.com/prime/726310535>)
- Osuri, A.M. & Sankaran, M. (2016) Seed size predicts community composition and carbon storage potential of tree communities in rainforest fragments in India's Western Ghats. *Journal of Applied Ecology* 53: 837-845.
- Varma, V., Ratnam, J., Viswanathan, V., Osuri, A.M. et al. (2015). Perceptions of priority issues in the conservation of biodiversity and ecosystems in India, *Biological Conservation* 187: 201-211
- Osuri, A.M., Madhusudan, M.D., Kumar, V.S., Chengappa, S.K., Kushalappa, C.G. & Sankaran, M. (2014). Spatio-temporal variation in forest cover and biomass across sacred groves in a human-modified landscape in India's Western Ghats. *Biological Conservation*, 178:193-199
- Osuri, A.M., Kumar, V.S. & Sankaran, M. (2014). Altered stand structure and tree allometry reduce carbon storage in evergreen forest fragments in India's Western Ghats. *Forest Ecology & Management*, 329:375-383.
- Varma, V & Osuri, A.M. (2013). Black Spot: a platform for automated and rapid estimation of leaf area from scanned images. *Plant Ecology*, 214:1529-1534
- Anand, M.O.\*, Krishnaswamy, J., Kumar, A. & Bali, A. (2010) Sustaining biodiversity conservation in human-modified landscapes in the Western Ghats: Remnant forests matter. *Biological Conservation*, 143:2363-2374
- Ranganathan, J., Krishnaswamy, J. & Anand, M.O. (2010) Landscape-level effects on avifauna within tropical agriculture in the Western Ghats: Insights for management and conservation. *Biological Conservation*, 143:2909-2917
- Srinivasan, U., S. Dalvi, R. Naniwadekar, Anand, M.O. & Datta, A. (2010). The birds of Namdapha National Park and surrounding areas: recent significant records and a checklist of the species. *Forktail* 26:92-116.
- Anand, M.O., Krishnaswamy, J. & Das, A. (2008) Proximity to forests drives bird conservation value of coffee plantations: Implications for certification. *Ecological Applications* 18, 1754-1763.
- Datta, A., Anand, M. O. & Naniwadekar, R. (2008) Empty forests: Large carnivore and prey abundance in Namdapha National Park, north-east India. *Biological Conservation*, 141, 1429-1435.
- Datta, A., Naniwadekar, R. & Anand, M. O. (2008) Occurrence and conservation status of small carnivores in two Protected Areas in Arunachal Pradesh, north-east India. *Small Carnivore Conservation*, 39, 1-10.

\*Up to 2010, my name on publications was Anand, M.O. (given name, initials), following Indian convention. Post-2010, I have started to write my name as Anand M Osuri (Osuri, A.M.), consistent with internationally recognized naming conventions

## Dissertations

- 2015: PhD Thesis – *The effects of rainforest fragmentation on tree communities and aboveground carbon storage in the Western Ghats*. National Centre for Biological Sciences, Tata Institute of Fundamental Research, Mumbai, India
- 2006: MSc Thesis – *Birds in shade coffee plantations: The factors structuring bird communities in a plantation landscape in the Western Ghats, India*. Manipal Academy of Higher Education. Centre for Wildlife Studies and National Centre for Biological Sciences, Bangalore.
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## **RESEARCH PRESENTATIONS**

### Invited Talks

- 2016 Cryptic carbon costs of forest fragmentation. *Ecosystem services workshop: Integrating natural and social science to sustain biodiversity and human communities*. National Centre for Biological Sciences, Wildlife Conservation Society & Colorado State University. Bangalore
- 2013 Conservation of Kodagu's *Devarkadus*: an ecological and social perspective. *Annual Meeting of Coorg Wildlife Society*, Madikeri, India.
- 2012 Coffee and Conservation: The role of fauna in coffee plantations. *Environmental Management in the Coffee Sector*, Indian Institute of Plantation Management Bangalore, India.
- 2012 Sustaining biodiversity conservation in human-modified landscapes of the Western Ghats. *Restoring working forests in human dominated landscapes of the wet evergreen forest region of South Asia*. ELTI and Sri Lanka Program for Forest Conservation at Kandy, Sri Lanka.
- 2010 How coffee and conservation can help each other: some lessons from research. *Coffee and conservation: fostering sustainable plantations and opportunities for certification* by Nature Conservation Foundation & Rainforest Alliance at Chikmagalur, India.
- 2007 Biodiversity in coffee plantations: Why biodiversity conservation may interest coffee planters. *UPASI-KPA Coffee Conference*, Bangalore.

### Contributed Papers

- 2014 How does forest fragmentation affect a tropical forest's potential to store carbon? *Student Conference in Conservation Science*, Bangalore. **(Awarded Best Talk)**
- 2007 Birds in shade coffee plantations: the factors structuring bird communities in a plantation landscape in the Western Ghats, India. *Student Conference in Conservation Science*, University of Cambridge
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## **TEACHING**

### Lead Instructor

- 2017 **Introduction to R**. Postgraduate Program in Wildlife Biology and Conservation, National Centre for Biological Sciences and Wildlife Conservation Society – India
- 2017 **Ecological Restoration: Principles, Practice and Monitoring**. Workshop co-lead, Nature Conservation Foundation
- 2014 **Multivariate Statistics**. Workshop co-lead, Student Conference in Conservation Science, Bangalore
- 2013 **Introduction to Biodiversity and Ecosystem Functioning, and Ecosystem Services**. Postgraduate Program in Wildlife Biology and Conservation, National Centre for Biological Sciences and Wildlife Conservation Society – India

### **Guest Instructor**

- 2017 **Advanced Statistics.** Postgraduate Program in Wildlife Biology and Conservation, National Centre for Biological Sciences and Wildlife Conservation Society – India
- 2017 **Ecosystem Functions and Services.** Indian Institute of Technology, Palakkad
- 2016 **Ecosystem Functions and Services.** Indian Institute of Technology, Palakkad
- 2013 **Basic Statistics.** PhD coursework, Ashoka Trust for Research in Ecology and Environment, Bangalore

### **Student Mentorship**

- 2016 Pradeep Koulgi, Postgraduate Program in Wildlife Biology and Conservation, National Centre for Biological Sciences and Wildlife Conservation Society – India
- 2015 Sandra AA, Summer Intern, Indian Institute of Science Education and Research, Thiruvananthapuram
- 2013 Varshith Chakrapani, Summer Intern, Anna University, Chennai

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## **PROFESSIONAL SERVICE**

### **Journal Referee**

Animal Conservation | Biological Conservation | Biotropica | Conservation Biology  
| Conservation Letters | Current Science | Environmental Conservation | Forest Ecology and  
Management | Journal of Applied Ecology | Tropical Conservation Science

### **Co-organization of conferences and workshops**

- 2017 **Ecological Restoration: Principles, Practice and Monitoring.** Workshop.  
Valparai, India
- 2014 **Ecosystem Monitoring and Forest Census Research in South India.** Workshop.  
Bangalore, India
- 2010 **Young Ecologists Talk and Interact.** Conference. Bangalore, India.
- 2009 **Young Ecologists Talk and Interact.** Conference. Bangalore, India.
- 2009 **Linking Biodiversity, Ecosystem Services and Conservation.** Workshop.  
Bangalore, India
- 2008 **Student Meet in Ecology, Evolution and Conservation Science.** Conference.  
Bangalore, India

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## **REFERENCES**

### **Advisors**

- Postdoc Prof. Shahid Naeem, Columbia University  
[sn2121@columbia.edu](mailto:sn2121@columbia.edu)
- Postdoc Prof. Ruth DeFries, Columbia University  
[rd2402@columbia.edu](mailto:rd2402@columbia.edu)
- PhD and Postdoc Prof. Mahesh Sankaran, National Centre for Biological Sciences  
[mahesh@ncbs.res.in](mailto:mahesh@ncbs.res.in)

### **Additional References**

- Dr. Susan Cook-Patton, The Nature Conservancy, [susan.cook-patton@tnc.org](mailto:susan.cook-patton@tnc.org)
- Dr. T R Shankar Raman, Nature Conservation Foundation [trsr@ncf-india.org](mailto:trsr@ncf-india.org)
- Dr. Rohini Chaturvedi, World Resources Institute [RChaturvedi@wri.org](mailto:RChaturvedi@wri.org)
- Dr. Jagdish Krishnaswamy, Ashoka Trust for Research in Ecology and the Environment  
[jagdish@atree.org](mailto:jagdish@atree.org)