

Joli Borah

Dept Animal and Plant Sciences
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EDUCATION

Oct, 2014-present: PhD, Dept of Animal and Plant Sciences, Alfred Denny Building,
University of Sheffield

June, 2009 - July, 2011: Master's in Wildlife Sciences, First class. Wildlife Institute of India,
Dehradun, Uttarakhand, India

Aug, 2005 - June, 2008: Bachelor of Science (Zoology), 1st Class with Distinction. Dibrugarh
University, Dibrugarh, Assam

RESEARCH AND PROFESSIONAL EXPERIENCE

Oct, 2014-present: PhD student, Dept Animal and Plant Sciences, University of Sheffield.
Research topic- Cost-effectively enhancing carbon and biodiversity in shifting cultivation
under REDD+

Apr, 2014- June, 2014: Junior Research Fellow, Centre for Ecological Sciences, Indian
Institute of Science, Bangalore, Karnataka, India. Carried out fieldwork for the project
'Altitudinal gradient in vector-mediated parasites in Himalayan birds. Work involved mist-
netting target bird species, collecting blood samples of wild birds in Eaglenest Wildlife
Sanctuary, Arunachal Pradesh, India.

Jan, 2012- Mar, 2014: Project Assistant, National Centre for Biological Sciences, Bangalore,
India. Carried out fieldwork and genetic analyses for the project 'Demographic Responses of
understorey bird species to human-induced habitat degradation in the Eastern Himalaya'.
Work involved sampling of bird populations using mist-netting and bird ringing and
collection of samples for molecular analysis in Eaglenest Wildlife Sanctuary, Arunachal
Pradesh; DNA extraction from bird feathers, microsatellite standardization and analyses in
genetic lab.

Aug, 2011- Oct, 2011: M.Sc intern, Wildlife Institute of India, Dehradun, Uttarakhand, India.
Prepared manuscript based on the Master's dissertation work.

Nov, 2010-June, 2011: Researcher (Master's Dissertation), Wildlife Institute of India, Dehradun, Uttarakhand, India. Investigated occupancy pattern and food-niche partitioning among sympatric Kingfishers in Bhitarkanika mangroves, Odisha, India for Master's thesis.

RESEARCH TECHNIQUES

Mist netting and ringing of birds, blood collection from wild birds, distance sampling techniques (point counts, line transects), behavioural sampling (focal, scan sampling) for birds and mammals, vegetation sampling, camera trapping for small mammals.

SKILLS

Genetic analysis (DNA extraction from blood and feather samples, microsatellite standardization and analyses), ecological data analysis using statistical methods (parametric and non parametric tests, regression, correlation, maximum likelihood, occupancy, multivariate statistics).

Software: SPSS, NCSS, Vortex, Distance, R and Presence.

RESEARCH INTERESTS

Anthropogenic influences on biodiversity patterns, Integration of human-modified landscapes in conservation planning.

SCHOLARSHIPS

July, 2014: Vice Chancellor's Indian Scholarship, University of Sheffield 2014-15. Includes full overseas tuition fees and an annual, tax-free maintenance stipend at the standard UK Research rate (£13,683 in 2014-15)

2009: Rs 230,000; Wildlife Institute of India Scholarship for Master's in Wildlife Sciences course

PUBLICATIONS

Borah, J., Ghosh, M., Harihar, A., Pandav, B. and Gopi, G.V. (2012), Food-niche partitioning among sympatric Kingfishers in Bhitarkanika mangroves, Odisha; Journal of the Bombay Natural History Society, 109(1 & 2), Jan-Aug, 2012

SCHOOLS AND CONFERENCES

- Student Conference on Conservation Science, Bangalore; 16th -18th June, 2010; Indian Institute of Science, Bangalore.

- International Conference on Indian Ornithology, 19th-23rd November, 2011; Salim Ali Centre for Ornithology and Natural History, Coimbatore, India
- Best Oral Presentation Award.
- Young Ecologists Talk and Interact- A Conference for ecology students and researchers in India, 13th-15th December, 2011; Indian Institute of Technology, Guwahati, Assam.

MEMBERSHIP

- British Ecological Society student member 2014-2015

REFEREES

- Dr David Edwards (PhD Supervisor)
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University of Sheffield
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