




Faculty Details proforma for DU Web-site

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cc: director@ducc.du.ac.in)

Title	Dr.	First Name	RATUL	Last Name	BAISHYA	Photograph
Designation		ASSISTANT PROFESSOR				
Address		Department of Botany University of Delhi Delhi-110007				
Phone No	Office	011-27667573				
Residence		011-27476044				
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Email		rbaishyadu@gmail.com				
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Educational Qualifications						
Degree		Institution			Year	
Ph.D.		North Eastern Hill University- Shillong			2012	
M.Phil. / M.Tech.					-----	
PG		North Eastern Hill University- Shillong			2004	
UG		North Eastern Hill University- Shillong			2002	
Any other qualification		UGC-NET (JRF)			2004	
Career Profile						
Organisation / Institution		Designation		Duration		Role
Department of Botany, University of Delhi		Assistant Professor		Nov 2009 to Contd.		Teaching and Research
Administrative Assignments						
Resident Tutor, D.S. Kothari Hostel, University of Delhi; Member of Faculty of Sciences and Department Research Committee						
Areas of Interest / Specialization						
Biodiversity conservation, Ecology and Ecosystem research, Carbon sequestration and productivity, Soil and plant nutrition.						
Subjects Taught						
M.Sc. Botany						
M. Sc. II, C-VIII-Plant Ecology						
BOT 202. Systematics, Evolution & Environmental Science						
BOT 304. Principles of Ecology						
BOT 405. Agricultural Ecology						
M.Phil. course Paper Population Biology (8A) and Ecological Adaptations (9A)						

Ph.D. course work Group 3 (Methods of field biology)

Research Guidance

1. Supervision of Doctoral Thesis (Under Progress)

Ankush Chauhan (Jointly with Dr. Kiranmay Sarma, GGSIP University)

2. Supervision of M.Phil. dissertation with tentative titles (Under progress)

Ekta (2012-2013) Ecological study of the Delhi Ridge Forest Ecosystem

Aftab Hassan (2012-2013) Soil carbon pool and CO₂ efflux studies in the Delhi Ridge Forest Ecosystem

Publications Profile

2011. **Baishya, R.** and Barik, S.K. 2011. Estimation of tree biomass, carbon pool and net primary production of an old-growth *Pinus kesiya* Royle ex. Gordon forest in north-eastern India. *Annals of forest Science*. 68: 727-736.
2011. Thapa, N., Upadhaya, K., **Baishya, R.** and Barik, S.K. 2011. Effect of Plantation on Plant Diversity and Soil Status of Tropical Forest Ecosystems in Meghalaya, Northeast India. *International Journal of Ecology and Environmental Sciences* 37 (1): 61-73.
2010. Evanylla, K.L. and **Baishya, R.** 2010. People's perception on climate change: A case study from Meghalaya. In: *Reflections of Climate Change Leaders from the Himalayas, Livelihoods and People's perceptions* (Varma, P.D. ed.), Lead India, New Delhi, www.leadindia.org. pp. 116-136.
2009. Barik, S.K. Lakadong, N.J., **Baishya, R.**, Chettri, A., Das, P. Kayang, H. and Marbaniang, D. 2009. A new record of *Monotropa hypopitys* L., a mycoheterotropic plant for India. *Journal of Bombay Natural History Society* 106(1): 127-129.
2009. **Baishya, R.**, Barik, S.K. and Upadhaya, K. 2009. Distribution pattern of aboveground biomass in natural and plantation forests of humid tropics in northeast India. *Tropical Ecology* 50(2): 295-304.
2009. Upadhaya, K., Barik, S.K., Adhikari, D., **Baishya, R.** and Lakadong, N.J. 2009. Regeneration ecology and population status of a critically endangered and endemic tree species (*Ilex khasiana* Purk.) in north-eastern India. *Journal of Forestry Research* 20(3): 223-228.

Conference Organization/ Presentations (in the last three years)

Baishya, R. Carbon sequestration potential of Tea Plantation in India. National conference on Tea science and culture-special reference to present scenario of Indian Tea. Department of

Plantation management and Studies, Sikkim University, Gangtok, April, 9 th 2013.
Baishya , R. Kamei, J.& Barik, S.K. Carbon dynamics of tree species in a tropical and sub-Tropical forest ecosystem of Meghalaya. <i>National Symposium on frontiers in biocomplexity and biodiversities of plants. March 14-15, 2008. CAS in Botany, NEHU, Shillong.</i>
Research Projects (Major Grants/Research Collaboration)
Principal Investigator in DST sponsored project on “ <i>The dynamics of soil carbon sequestration in the ridge forest ecosystem of Delhi NCT</i> ” (Approved for funding)
Awards and Distinctions
University Grant Commission National Eligibility Test (NET-JRF) 2004-2007 University Grant Commission National Eligibility Test (NET-SRF) 2007-2009
Association With Professional Bodies
Life member of Delhi University Botanical Society (DUBS), Delhi, India
Other Activities

Signature of Faculty Member

Head of the Department