



University Faculty Details Page on DU Web-site

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Title	Professor	First Name	Geeta	Last Name	R.	Photograph
Designation		Professor				
Department		Botany				
Address (Campus)		Department of Botany, University of Delhi, Delhi 110007				
(Residence)		32, Mall Apartments, Mall Road, Delhi 110054				
Phone (Campus)		+91 11 2766 7573				
(Residence)		+91 11 2381 3896				
Mobile		+91 98682 08905				
Fax		+91 11 2766 7829				
Email		rgeeta@botany.du.ac.in				
Web-Page		http://people.du.ac.in/~rgeeta/				
Education						
Degree	Institution			Year	Details	
Ph. D.	University of Arizona, Tucson, AZ, USA			1993	Thesis title: "Phylogenetic relationships of basal monocots and the evolution of genome size."	
M. Sc.	Miranda House, University of Delhi, Delhi, India			1974	Botany; Thesis title: "Variation in the alien weed, <i>Erigeron bonariensis</i> Linn."	
B. Sc.	Miranda House, University of Delhi, Delhi, India			1972	Botany, Zoology, Chemistry	
Career Profile						
Organization/Institution		Designation	Period	Role		
Department of Botany, University of Delhi, Delhi, India		Professor	2009-present	Teaching, Research, Administration as required		
Department of Ecology and Evolution, SUNY, Stony Brook, NY, USA		Associate Professor	2003-2011	Teaching, Research, Administration (Director, Graduate Program 2005-11)		
Department of Ecology and Evolution, SUNY, Stony Brook, NY, USA		Assistant Professor	1997-2003	Teaching, Research,		
Indian Council for Agricultural, India		Scientist	1976-1997	Research		
Miranda House, University of Delhi, Delhi, India,		Lecturer	1974-1976	Teaching		
Research Interests / Specialization						
Phylogenetic Biology; Systematics and evolution of angiosperms (<i>Dioscorea, Rhododendron, Impatiens, Justicia</i>); Evolution of leaf form and development; Molecular and genome evolution						
Teaching Experience (Subjects/Courses Taught)						

Delhi University:

- Systematics, Evolution and Environmental Science (BOT 202)
- Evolutionary Biology (BOT 305)
- Advanced Plant Systematics (BOT 406)
- Population Biology (BOT 8A)

Honors and Awards

- Katherine Esau Fellow, University of California, Davis, USA (1994)
- Mellon Foundation Fellowship (1991)
- Panchanan Maheshwari Memorial Prize, University of Delhi, Delhi, India (1974)

Publications (LAST FIVE YEARS)

Books / Monographs

In Indexed/ Peer Reviewed Journals

<i>Year</i>	<i>Title</i>	<i>Journal</i>	<i>Co-Authors</i>
2013	Molecular systematics of Indian <i>Crotalaria</i> (Fabaceae) based on analyses of nuclear ribosomal ITS DNA sequences	Plant Syst. Evol. 299: 1089-1106	Subramaniam S, Pandey AK, Geeta R, Mort ME
2012	Keeping it simple: Flowering plants tend to retain, and revert to, simple leaves.	New Phytologist 193:481-493.	Dávalos LM, Levy A, Bohs L, Lavin M, Mummenhoff K, Sinha N, Wojciechowski MF
2011	Functional interactions among tortoise beetle larval defenses reveal trait suites and escalation.	Behav. Ecol. Sociobiol. 65:227-239	Vencl F, Trillo PA
2007	Historical evidence for a pre-Columbian presence of <i>Datura</i> in the Old World and implications for a first millenium transfer from the New World	J. Biosci. 32: 1227-1244.	Gharaibeh W
2007	Compound Leaf Development and Evolution in the Legumes	Plant Cell 19:3369-3378	Champagne CEM, Goliber TE, Wojciechowski MF, Mei RW, Townsley BT, Wang K, Paz MW, Sinha NR
2007	Protein subcellular relocalization: a new perspective on the origin of novel genes.	Trends Ecol. Evol. 22:338-344.	Byun-McKay SA
2007	Sinopsis taxonómica de la sección <i>Apodostemon</i> (Dioscorea; Dioscoreaceae)	Revista Mexicana de Biodiversidad 78: 265-279.	Tellez VO
2007	<i>Dioscorea howardiana</i> , a new species in section <i>Trigonobasis</i> (Dioscoreaceae).	Brittonia 59: 370-373.	Tellez VO

Articles

Geeta R and Pandey A. Review. Quarterly Review of Biology 85: 112. 2010.

Mignouna HD, Abang MM, Asiedu R and Geeta R. "Dioscorea, true yams – A biological and evolutionary link between eudicots and grasses." In CSHL Pub., "Emerging Model Organisms." 2009

Byun McKay SA, Geeta R, Duggan R, Carroll B and McKay SJ. 2009. "Missing the Subcellular Target: A Mechanism of Eukaryotic Gene Evolution" Ch 10 in P. Pontarotti (ed.), Evolutionary Biology: Concept, Modeling, and Application, Springer-Verlag Berlin Heidelberg. 2009

Geeta R and Cogni R "Biological Diversity" in McGraw Hill. Yearbook of Science & Technology. 2008

Conference Presentations

"Molecular Systematics" Yashvantrao Chavan Institute of Science, Satara, Maharashtra, 19 February 2013.

"Venation, Lamina Shape and Developmental Evolution in Dioscorea L." International Conference on Plant Biotechnology for Food Security: New Frontiers, IARI, New Delhi, 22 February, 2012.

Poster (with P. Barman, V. Bhat): "Phylogeny of Indian Dioscorea (true yams) based on matK and rbcL sequences " 15th Annual ADNAT Convention, CCMB, Hyderabad, India. 23-25 February, 2011.

Total Publication Profile

Books 0

In Indexed/Peer Reviewed Journals 8

Articles 4

Conference Presentations 2

Public Service/ University Service/ Consulting Activity

2011- Member, Science Committee, bioGENESIS, a core project of DIVERSITAS

2005- Editorial Board of the American Journal of Botany, Botanical Society of America, USA.

2001- Editorial Board of the Journal of Biosciences. Indian Academy of Sciences, Bangalore, India.

Reviewer for scientific journals (Science, Plant Physiology, American Journal of Botany, Evolution, American Naturalist, Systematic Biology, International Journal of Plant Sciences, Evolution and Development); Funding Agencies (USA: NSF)

Association With Professional Bodies

Botanical Society of America, USA; Indian Association of Angiosperm Taxonomists, India

Projects (Major Grants / Collaborations)

Other Activities

Workshops Organized

"Geometric Morphometrics" Workshop at University of Delhi, Primary Resource Person: **Prof FJ Rohlf. Organized by: Department of Botany and CEMDE (AICOPTAX), Academic Research Centre, University of Delhi, March 20-30 2012.

"Phylogenetics: Principles and Practice" Workshop for Teachers, Department of Botany and Sri GTB Khalsa College, Delhi, August 27-28, 2011.

"Evolutionary Perspectives in Modern Biological Teaching and Research", Academic Research Centre, University of Delhi, Delhi. May 9-11, 2011.

**Organized visit of Professor F. J. Rohlf, John S. Toll Professor, Stony Brook University, USA Fulbright Senior Specialist, to the Department of Botany, University of Delhi, March 18-31, 2012.

Invited Talks

“Phylogenetic Reconstruction”, bioGENESIS Meeting, Aceh, Indonesia, 16 March 2013.

“Molecular Systematics” Conference on ‘Recent trends in Botany’, Yashwantrao Chavan Institute of Science, Satara, Maharashtra, 19 February, 2013.

“Phylogenetics: Data and Analysis”, bioGENESIS Meeting, Bonito, Brazil, 16 June 2012.

“Species Complexes and Phylogenetic Trees” National Workshop on Systematics and Species Complexes, CEMDE, University of Delhi, 6 February, 2012.

“Trees and Tree-thinking” Bioinformatics Workshop, Zakir Hussain College, University of Delhi, Delhi, 19 January, 2012.

“Trees and Tree-thinking” Bioinformatics Workshop, Ramjas College, University of Delhi, Delhi, 27 September, 2011.

“Phylogenetic Systematics and Evolutionary Biology” National Workshop on Taxonomy and Evolution, CEMDE, University of Delhi, 15 March, 2011.

“Phylogenetic Biology” National Workshop on Genomics and Biodiversity, ADNAT and CCMB, Hyderabad, Hyderabad, 7-8 March, 2011.

“Phylogenetic Biology: Making Sense of Biology in the Light of Evolution” National Workshop on “Use of Bioinformatics in Agriculture/Plant Sciences, NIPGR, New Delhi, 12 March, 2010.

“Phylogenetic Systematics”, National Workshop on Taxonomy, CEMDE, University of Delhi, Delhi, India, 3 March, 2010.

“Molecular Systematics”, National Consultation on “Advancing the Science of Taxonomy in India for Biodiversity Conservation” ATREE, Bangalore, India. 23 February, 2010.

“Phylogenetics, Phylogenetic Diversity and Conservation Decisions” National Workshop on Taxonomy, CEMDE, University of Delhi, Delhi, India, 6 January 2010.

“Phylogenetic Diversity and Conservation Decisions” Consultation workshop on Conservation Planning for Rhododendrons of Eastern Himalaya, Winrock International India and Whitley Fund for Nature, UK, 28 October 2009.

“Phylogenetic Biology” National Workshop on Molecular Systematics, Department of Botany, University of Delhi, Delhi, India, 8 October 2009.

“Historical evidence for a pre-Columbian presence of Datura in the Old World” National Museum of Natural History, Washington, D. C., October 25, 2008.

Signature of Faculty Member

(Signature & Stamp
Head of Department)