




Faculty Details proforma for DU Web-site

Title	Prof./Dr.	First Name	Arun	Last Name	Pandey	Photograph
Designation	Professor					
Address	Department of Botany University of Delhi Delhi 110007					
Phone No Office	011-27662450					
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Mobile	+919717745993					
Email	arunkpandey@botany.du.ac.in; arunpandey79@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	National Botanical Research Institute, Lucknow (Degree awarded by Kanpur University)				1978	
PG	Lucknow University				1973	
UG	Lucknow University				1971	
Career Profile						
<p>2008- till date: Professor, Department of Botany, University of Delhi, Delhi 1995-2008: Professor, Department of Botany, TM Bhagalpur University, Bhagalpur 1987-1995: Reader, Department of Botany, TM Bhagalpur University, Bhagalpur 1983-1987: Lecturer, Department of Botany, TM Bhagalpur University, Bhagalpur 1979-1983: Lecturer, Govt. Post-graduate College, Pithoragarh and Hardoi (U.P.)</p>						
Administrative Assignments						
<p>2016-till date, Secretary Garden Committee, University of Delhi 2008- till date, Professor- In charge, Herbarium and Botanical Garden, Department of Botany, University of Delhi</p>						
Areas of Interest / Specialization						
Plant Taxonomy, Biodiversity, Molecular Phylogeny, Reproductive biology of flowering plants.						
Subjects Taught						
<p>Course BOT-202: Systematics, Evolutionary Biology, Environmental Biology Course BOT-406: Advanced Plant Systematics Ph.D. Coursework: GR3 (Methods for field biology (Systematics, evolution, ecology and reproductive biology))</p>						

Time table of the subjects taught during the current semester				
S.No.	Subject	Days	Time	Classroom
1.	BOT-202	Wednesday and Friday	9:40-10:35 (theory) 10:35-2:15 (practical)	Room No. 208 & 22 (Lab I)
2.	BOT-406	Tuesday	8:45- 10:35 (theory) 10:35-4:05 (practical)	Room No. 208 & 22 (Lab I)
3.	Ph.D. coursework	Wednesday (GR3)	2:30-4:30 (theory & practical)	Room No. 37
Research Guidance				
<p>1. Supervision of awarded Doctoral Thesis: Awarded: 24; Submitted: 03; Under Progress: 04</p> <p>2. Supervision of awarded M.Phil. dissertations: 05</p>				
Publications Profile				
Books/Monographs (Authored/Edited)				
<p>Advances in Ethnobotany, A.P. Das and A.K.Pandey, Bishen Singh Mahendra Pal Singh, Dehra Dun, 2007 Monograph: Cucurbitaceae of eastern Bihar, M.A. Ali and A.K. Pandey, PSRC, Bhagalpur, 2007</p> <p>Plant Taxonomy: Advances and Relevance, A.K. Pandey, Jun Wen and J.V.V. Dogra, CBS Publishers & Distributors, New Delhi, 2006</p> <p>Advances in Plant Reproductive Biology Vol. II, A.K.Pandey and M.R. Dhakal, Narendra Publishing House, Delhi, 2003</p> <p>Ethnobotany of Santhal Pargana, S.K. Varma, D.K. Sriwastawa and A.K. Pandey, Narendra Publishing House, Delhi, 1999</p> <p>Introduction to Embryology of Angiosperms, A.K. Pandey, CBS Publishers & Distributors, New Delhi, 1997</p> <p>Taxonomy and Plant Conservation, K.S. Manilal and A.K.Pandey, CBS Publishers & Distributors, New Delhi, 1996</p> <p>Advances in Plant Reproductive Biology Vol. I, Y.S. Chauhan and A.K.Pandey, Narendra Publishing House, Delhi, 1995</p> <p>Taxonomy and Biodiversity, A.K.Pandey, CBS Publishers & Distributors, New Delhi, 1995</p> <p>Introduction to Biotechnology, K.S. Bilgrami and A.K. Pandey, CBS Publishers & Distributors, New Delhi, 1992.</p>				

Publications in the Last one year

1. Linder, K., Yue Hu, **Pandey A.K.** and Schaefer H. 2017. The Namib-Thar desert disjunction in *Dactyliandra* (Cucurbitaceae) is the result of a recent introduction to India. *Systematic Botany* 42 (1): 63-72.
2. Gholami, A., S. Subramaniam, R. Geeta and **A.K. Pandey** 2017. Molecular systematics of Indian *Alysicarpus* (Fabaceae) based on analyses of nuclear ribosomal DNA sequences. *Journal of Genetics* (DOI No. 10.1007/s12041-017-785-8).
3. Yadav, N., **Pandey A.K.** and Bhatnagar, A.K. 2017. Temperature regulated seed germination in *Acer oblongum* Wall. ex DC. (Sapindaceae)- a threatened Himalayan species. *Pleione* 11 (1): 10-15.
4. Roy, S.K., **Pandey A.K.** and Bhatnagar, A.K. 2017. Phenology and floral visitors of *Acer caesium* Wall. ex DC. (Sapindaceae) - a threatened Himalayan tree. *Pleione* 11 (1): 1-9.
5. Danda, S., Subramaniam, S., Rather, S. A. and **Pandey, A.K.** 2016. A new species of *Crotalaria* (Fabaceae, Crotalarieae) from Meghalaya, India. *Systematic Botany* 41(2): 307–315.
6. Shekhar, S. and **A.K. Pandey** 2016. Pollen morphology in *Inula* L. (Asteraceae) and related genera. *The International Journal of Plant Reproductive Biology* 8(2): 202-207.
7. Yadav, N., **Pandey, A.K.** and Bhatnagar, A.K. 2016. Cryptic monoecy and floral morph types in *Acer oblongum* (Sapindaceae) : An endangered taxon. *Flora* 224: 1-8.
8. Thakur, J., Dwivedi M.D., Sourabh, P., Uniyal, P.L. and **Pandey A.K.** 2016. Genetic homogeneity revealed using SCoT, ISSR and RAPD markers in micropropagated *Pittosporum eriocarpum* Royle- an endemic and endangered medicinal plant. *PLOS ONE* 11(7): e0159050. doi:10.1371/journal.pone.0159050.
9. Gholami, A., **Pandey, A.K.** 2016. *Alysicarpus poklianus* (Fabaceae, Desmodieae), a new species from India. *PhytoKeys* 68: 177-124.
10. Gholami, A. and **Pandey, A.K.** 2016. *Alysicarpus guatalensis* (Leguminosae: Desmodieae), a new species from Maharashtra, India. *Phytotaxa* 266 (2):141-145.
11. Gholami, A., **Pandey, A.K.** and Ansari, A.A. 2016. Critical notes on *Alysicarpus monilifer* (Linnaeus) de Candolle [Fabaceae: Faboideae] and its allies. *Pleione* 10(1): 71-79.

Conference Organization/ Presentations (in the last three years)

Invited Lectures

2017

“The potential of genomics in plant systematics”. 104th session of Indian Science Congress Association, Sri Venkateswara University, Tirupati, Andhra Pradesh. January 5, 2017.

“Role of taxonomy and DNA barcoding in identification and validation of medicinal plants.” National Conference on Pharmacognosy – Scope of Phytochemically explored medicinal plants, Zakir Hussain College, University of Delhi. January 12, 2017.

“Plant systematics: Floristics to Phylogenomics.” National seminar on “Understanding Himalayan Phytodiversity in a changing climate”, Botanical Survey of India, Gangtok. March 9, 2017.

“Taxonomy and Biodiversity: The need for realigning priorities.” Haryana Golden Jubilee National Seminar on “Status and significance of Biodiversity”, Department of Botany, MD University, Rohtak. March 21, 2017.

“Plant molecular systematics: Concepts, Methods and Applications.” National training workshop on Plant Taxonomy: Principles and Practices, Department of Botany, University of Kashmir, Srinagar. March 29, 2017.

“Plant Systematics: Symbiosis of Morphology and Molecules”. M.S. University, Tirunelveli, Tamil Nadu. April 7, 2017.

“Taxonomy and Biodiversity: The need for realigning priorities”. 9th Norkett, Chopra, Gangulee and Udar Memorial Lecture, Birla College, Kalyan, Mumbai. April 27, 2017.

“Brainstorming session on Inventorization and mapping of ioresources of North-East Region for sustainable Development”. Indian International Center, New Delhi. May 12-13, 2017.

“Plant Molecular Systematics: Concepts, methods and applications”. Brainstorming session on Taxonomy and Phylogeny of vascular plants, Goa University. June 2, 2017.

“Flowering plants in India: diversity and strategies for conservation in Rainforests”. National symposium on current trends in research in Biotic systems. Department of Botany, North Eastern Hill University, Shillong. June 27, 2017.

“Taxonomy and Biodiversity: the need for realigning priorities”. National symposium on current trends in research in Biotic systems. Department of Botany, North Eastern Hill University, Shillong. June 29, 2017.

2016

“Taxonomy and biodiversity conservation: the need for realigning priorities”. MJP Rohelkhand

University, Bareilly. November 25, 2016.

“Phylogeny of papilionoid legumes: insights from morphology and molecules”. Department of Botany, University of Allahabad. November 24, 2016.

“Revisiting the phylogeny of Papilionoid legumes: new insights from morphology and molecules”. IAAT Conference, Kolhapur. November 08, 2016.

“The changing concepts of Angiosperm Systematics: Floristics to Phylogenomics”. Symposium Indian Botanical Society, Ranchi. October 22, 2016.

“Taxonomy, ethnobotany and conservation of biodiversity”. Sri Venkateswara College, University of Delhi. September 30, 2016.

“Taxonomy and Biodiversity: The need for realigning priorities”. Golden Jubilee Lecture, Gargi College, University of Delhi. September 29, 2016.

“Ethnobotany: Past, Present and Future”. Ethnobotany workshop, Hansraj College, University of Delhi. September 16, 2016.

“Biology of reproduction in Cucurbitaceae”. 103rd Session of Indian Science Congress, Mysuru, January 5, 2016.

“Legume systematics: Past, present and future”. Botany Department, Shivaji University, Kolhapur March 19, 2016

2015

“Plant Systematics: Floristics to Phylogenomics.” Workshop on Systematics of Plants and Microbes, Punjabi University, Patiala; December 23, 2015.

“Evolution of phytomelanin in Heliantheae alliance (Asteraceae): insights from developmental anatomy” International Seminar on Advancements in Angiosperm Systematics and Conservation, University of Calicut, Kerala, November 20, 2015.

“Morphological variation in crops and crop wild relatives” ICAR sponsored short course on crop wild relatives Identification collecting & utilization at NBPGR, New Delhi. Aug., 19-28, 2015.

“Plant Nomenclature: code to cultivar” TERI University, New Delhi Aug 8, 2015

“The changing paradigm of angiosperm systematics: symbiosis of morphology and molecules.” Presidential address under 102nd session of Indian Science Congress held at University of Mumbai, Jan 4, 2015.

“The changing epitome of Plant Identification: DNA Barcoding”. Department of Botany, Shivaji University, Kolhapur. March 16, 2015.

“The changing paradigm of Flowering Plants systematics”. Department of Botany, North Bengal University. Siliguri, March 20, 2015.

Research Projects (Major Grants/Research Collaboration)

- 2012-2017 Preventing extinction and improving conservation status of threatened plants through applications of biotechnological tools of species. Department of biotechnology, Government of India
- 2012-2015 Molecular systematic study of some economically important genera of Indian Cucurbitaceae. DST, Government of India
- 2011-2012 Taxonomic studies on the genus *Indigofera* in India. R&D Project, DU
- 2011-2014 Molecular systematics of genus *Inula* in India. University Grants Commission, New Delhi.
- 2007-2010 Molecular systematic study of *Aralia* in India using ITS sequences of nuclear ribosomal DNA. University Grants Commission, New Delhi.
- 2010-2013 Developmental Biology and Phylogenetic analysis of some endemic species of Podostemaceae, DU-DST PURSE GRANT.
- 2010-11 Taxonomic studies on the genus *Duhaldea* (Asteraceae) in India, R&D Project
- 1987-1989 A survey and study of gum yielding seeds common in Santhal Pargana Region of Bihar, UGC, New Delhi.
- 1986- 1989 Floristic and Ethnobotany of Rajmahal Hills of Bihar, UGC, New Delhi.
- 1987- 1989 Impact of mining on the living and fossil flora of Rajmahal hills (Bihar). D.O.En., New Delhi.
- 1989-1989 Systematic, developmental and evolutionary significance of phytomelanin in Compositae, DST, New Delhi.
- 1989- 1993 Phenetics and cladistics of Heliantheae (Compositae) based upon Embryology, seed coat and pericarp anatomy, CSIR, New Delhi.
- 1992- 1995 Systematics of *Tricholepis* (Asteraceae), DST, New Delhi.
- 1997-2000 Reproductive biology of pointed gourd (*Trichosanthes dioica*)- an Economically important vegetable crop of diara regions of Bihar.
- 1997- 2000 Reproductive biology and propagation of *Sterculia aurens*- an Important gum yielding tree of deciduous forests. ICFRE, Dehra Dun.
- 2000-2003 Collection, evaluation and maintenance of pointed gourd and *Momordica* germ germplasm from Bihar. NATP, New Delhi.
- 2000-2003 Medicinal plant wealth of Similipal Biosphere Reserve. Ministry of Environment and Forests, New Delhi.
- 2001-2004 Systematics of *Trichosanthes* (Cucurbitaceae). University Grants Commission, New Delhi.
- 2004-2007 Molecular systematic study of *Panax* complex in India using ITS Sequences of nuclear ribosomal DNA. Department of Biotechnology, Govt. of India, New Delhi.
- 2005-2008 Impact of mining on biodiversity of Rajmahal hills: an assessment after a decade. Ministry of Environment & Forests, Govt. of India.

Awards and Distinctions	
2017-2018	President, Indian Botanical Society
2017-2019	Vice President, East Himalayan Society of Spermatophyte Taxonomy
2015-2017	Secretary (Outstation), Indian Association for Angiosperm Taxonomy
2015	Prof. Panchanan Maheshwari Medal of Indian Botanical Society in 28 th All Indian Botanical Conference held at Rajasthan University, Jaipur
2014-2015	President, Plant Sciences Section, Indian Science Congress Association.
2012-2014	President, East Himalayan Society of Spermatophyte Taxonomy
2011-2012	Vice President, East Himalayan Society of Spermatophyte Taxonomy
2012-2014	Sectional Recorder, Plant Science Section, Indian Science Congress Association
2010	President, Indian Association for Angiosperm Taxonomy
Association With Professional Bodies	
Memberships	
Member, American Society of Plant Taxonomists	
Member, International Association for Plant Taxonomy	
Member, International association of Sexual Plant Reproduction Research	
Member and fellow, Indian Association for Angiosperm Taxonomy	
Member, Association for Plant Taxonomy	
Member and fellow, Society of Ethnobotanists	
Member and fellow, Indian Botanical Society	
Member, International Society of Plant and Environment	
Member, Biological Society of India	
Member and fellow, Mendelian Society of India	
Member, National Academy of Sciences, India	
Member, Indian Society of Plant Genetic Resources	
Member, International Society of Plant Morphologists	
Member, Indian Society of Tree Scientists	
Member, Society for Advancement of Botany	
Member, Indian Science Congress Association	
Member, Botanical Society of Assam	
Member, Neem Foundation	
Member and fellow, East Himalayan Society of Spermatophyte Taxonomy	
Member, Society for Conservation and Resource Development of Medicinal Plants	
Other Activities	
<ul style="list-style-type: none"> • Served on several committees constituted by the University of Delhi, as member of selection committees, Governing body of different colleges. • Member of various Academic Committees and Selection Committees of various universities. • Member of various Advisory Committees SERB- DST, DBT, ICAR, UGC and CSIR. • Member of the Editorial Board of Indian and International Journals. 	

- Reviewed articles for various International and National peer-reviewed journals and also research proposals for various National funding agencies.
- Member Peer Team, National Assessment and Accreditation Council (NAAC), (2004-onwards).