

Faculty Details proforma for DU Web-site

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cc: director@ducc.du.ac.in

	First	A	Last	Dendeu	Dhataaraah	
Title Prof./Dr./Mr. /Ms./Mrs.	First Name	Arun	Last Name	Pandey	Photograph	
Designation	Professor		Name			
Address	Department of Botany					
Address		niversity of Delhi				
	Delhi 110007					
				Ä		
Phone No Office	011-27667486					
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Residence						
Mobile	9717745993					
Email	arunkpandey@botany.du.ac.in;				zzizzanowarzenia	
	arunpande	y79@gmai	l.com			
Mah Dava			-			
Web-Page						
-	ucational Qualifications				Voor	
Degree Ph.D.	Institution			Year 1978		
	Ph.D. National Botanical Research Institute, Lucknow, India			lule,	1370	
M.Phil. / M.Tech.	Lucknow,					
PG	Lucknow University, India			1973		
UG	Lucknow University, India			1971		
Any other		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
qualification						
Career Profile						
2008- till date: Professor, Department of Botany, University of Delhi						
1995-2008: Professor, Department of Botany, TM Bhagalpur University						
1987-1995: Reader, Department of Botany, TM Bhagalpur University						
1983-1987: Lecturer, Department of Botany, TM Bhagalpur University						
1979-1983: Lecturer, Govt.PG College, Pithoragarh and Hardoi (U.P.)						
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Administrative Assignments						
2011- till date- Provost, D.S. Kothari Hostel, University of Delhi						
2008- till date, Professor- In charge, Botanical Garden, Botany Department, DU						
2008-till date, In charge, Professor-Herbarium, University of Delhi (DUH)						
Areas of Interest / Specialization						
Angiosperm Taxonomy, Systematics of Asteraceae, Araliaceae, Cucurbitaceae and Fabaceae;						
Ethnobotany; Reproductive biology of flowering plants.						
Luniobolany, Reprou						

Subjects Taught

1979- Present (Angiosperm taxonomy, ethnobotany, biology of reproduction, molecular systematics)

Course BOT-202: Systematics, Evolutionary Biology, Environmental Biology

Course BOT-406: Advanced Plant Systematics

Research Guidance

1. Supervision of awarded Doctoral Thesis

S.S. Jha1987. Development and structure of seed in some Papilionoideae. TM Bhagalpur University.

Amita Kumari 1990. Development and structure of seeds and fruits in some Compositae. TM Bhagalpur University.

B.K. Jha 1991. Effect of gamma rays on morphology and embryology of *Abelmoschus esculentus* and *Momordica charantia*. TM Bhagalpur University.

Anupama Jha. 1993. Reproductive biology of *Trichosanthes dioica* (Cucurbitaceae). TM Bhagalpur University.

S.M. Jha. 1995. Systematic embryology of Inuleae (Compositae). TM Bhagalpur University. Saroj Kumari. 2000. Pollen biology and post pollination development of seeds and fruits in *Trichosanthes dioica* Roxb. (Cucurbitaceae). TM Bhagalpur University.

Min Raj Dhakal 2002. Pollen biology and seed biology of niger (*Guizotia abyssinica* Cass.), Asteraceae. TM Bhagalpur University.

Rashmi Komal. 2002. Reproductive biology and *in vitro* propagation of *Trichosanthes dioica* cv.nimia. TM Bhagalpur University.

Sayeeda Khatoon 2002. Reproductive biology of *Sterculia urens*. (Sterculiaceae). TM Bhagalpur University.

Niraj Kumar 2003. Systematics of *Momordica* (Cucurbitaceae). TM Bhagalpur University. Rajeev Rajesh 2004. Micropropagation and developmental biology of

Trichosanthes dioica. TM Bhagalpur University.

S.D. Rout 2005. Medicinal plants of Similipal Biosphere Reserve. TM Bhagalpur University.

Md Ajmal Ali 2006. Cucurbitaceae of Eastern Bihar. TM Bhagalpur University.

Aloka Kumari 2006. Pollen biology of safflower (*Carthamus tinctorius*). TM Bhagalpur University.

Kumar Aishwarya 2008. Pollen biology of *Momordica dioica*. (Cucurbitaceae). TM Bhagalpur University.

Nivedita 2009. Sedges of Bhagalpur district. TM Bhagalpur University.

Pragya Sourabh 2009 Systematic significance of micromorphology in Inuleae-Plucheeae complex (Asteraceae). TM Bhagalpur University.

2. Supervision of Doctoral Thesis, under progress

Shweta Shekhar. Taxonomic revision of genus *Inula* in India. University of Delhi (year of registration 2009), Viva awaited.

Nasheez Fatima . Molecular systematics of Vitaceae. TM Bhagalpur University. (year of registration 2007).

Shweta Subramaniam. Systematics and Biogeography of *Crotalaria* L. (Fabaceae): Revision of *Crotalaria* sects. *Crotalaria* and *Calycinae*. (University of Delhi; year of registration 2010).

Vibha Chauhan. Systematics of genus *Indigofera* in India (Fabaceae). (University of Delhi; year of registration 2011).

Roshni Rajamohan Mathur. Systematic, developmental and evolutionary significance of phytomelanin in Asteraceae (University of Delhi; year of registration 2011).

Mayank Dhar Dwivedi. Systematics of genus Zehneria (Cucurbiataceae). (University of Delhi; year of registration 2012).

Akram Gholami. Systematics of the genus Alysicarpus (Fabaceae). (University of Delhi; year of registration 2012).

Shabbir Rather. Taxonomic study of the genus Saussurea (Asteraceae). (University of Delhi; year of registration 2013).

3. Supervision of awarded M.Phil dissertations

Amit Kumar 2009. Taxonomic studies on the genus *Nanothamnus* with a discussion on tribe Inuleae in India (University of Delhi)

Bhawna Chauhan 2009. Molecular systematics of *Aralia-Panax* complex in India (University of Delhi)

Vibha Chauhan 2010. Molecular systematics of some genera of subfamily Cucurbitoideae (Cucurbitaceae) based on ITS sequences of nrDNA (University of Delhi).

Neha Yadav 2011. Comparative analysis of Ginsenosides of *Panax* spp. and ITS Pharmacological effects- Review, (University of Delhi).

Deepmala Bashista 2012. Grasses of Delhi University North Campus, (University of Delhi)

Publications Profile

1. Books/Monographs (Authored/Edited)

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, **P**SRC, Bhagalpur, 2007

Plant Taxonomy: Advances and Relevance, A.K. Pandey, Jun Wen and J.V.V. Dogra, CBS Publishers & Distributors, New Delhi, 2006

Advances in Plant Reproductive Biology Vol. II, A.K.Pandey and M.R. Dhakal, Narendra Publishing House, Delhi, 2003

Ethnobotany of Santhal Pargana, S.K.Varma, D.K.Sriwastawa and A.K.Pandey, Narendra Publishing House, Delhi, 1999

Introduction to Embryology of Angiosperms, A.K.Pandey, CBS Publishers & Distributors, New Delhi, 1997

Taxonomy and Plant Conservation, K.S. Manilal and A.K.Pandey, CBS Publishers & Distributors, New Delhi, 1996

Advances in Plant Reproductive Biology Vol. I, Y.S. Chauhan and A.K.Pandey, Narendra Publishing House, Delhi, 1995

Taxonomy and Biodiversity, A.K.Pandey, CBS Publishers & Distributors, New Delhi, 1995

Introduction to Biotechnology, K.S.Bilgrami and A.K.Pandey, CBS Publishers & Distributors, New Delhi , 1992.

2. Research papers published in Refereed/Peer Reviewed Journals (last five years)

Renner, S.S. and Pandey, A.K. 2013. The Cucurbitaceae of India: Accepted names, synonyms, geographic distribution and information on images and DNA sequences. Phytokeys 20: 53–118 (2013).

Shweta Subramaniam, S., Pandey, A.K., Geeta, R. & Mort, M.E. 2013. Molecular systematics of Indian *Crotalaria* (Fabaceae) based on analyses of nuclear ribosomal ITS DNA sequences. Plant Syst Evol 299: 1089-1106.

Chauhan, V., Pandey, A.K. & Schaefer, H. 2013. *Indigofera himachalensis* (Fabaceae: Indigofereae), a new species from Himachal Pradesh, India. Phytotaxa 112 (2): 43–49.

Lal, K., Chauhan, V. and Pandey, A.K. 2013. Occurrence of *Indigofera prostrata* Willdenow (Fabaceae) in Western Himalayan region: a new record to the Flora of Himachal Pradesh from Sirmour District. Pleione 7(1): 270 - 274. 2013.

Pandey, A. K. and Ali, M. A. 2012. Intraspecific variation in Panax assamicus Ban. (Araliaceae)

populations based on internal transcribed spacer (ITS1-5.8S-ITS2) sequences of nrDNA. Indian Journal of Biotechnology 11(1): 30-38.

Sanglakpam, P., Mathur R. R., Pandey, A. K. 2012. Ethnobotany of Chothe tribe of Bishnupur district (Manipur). Indian journal of Natural Products and Resources 3(3): 414-425.

Goswami, S. and Pandey, A.K. 2012. Development, structure and viability of embryo in Schima khasiana Dyer and S. wallichii (D.C.) Korth (Theaceae). The International Journal of Plant Rep. Biology 4(1): 47-51.

Sourabh, P., Shekhar, S., Pandey, A.K. 2012. Taxonomic significance of micromorphology in some members of Inuleae (Asteraceae). Pleione 6(1): 195-203.

Lal, K., Agrawala, D.K. and Pandey, A.K. 2012. *Duhaldea nervosa* (Wallich ex DC.) Anderberg (Asteraceae): a new record to the flora of Himachal Pradesh. Pleione 6(1): 257-259.

Ali, M. A., Al Hamaid, F.M., Lee, J., Chaudhary, A.K., Pandey, A. K.and Al Habri, N.A. 2012. Assessing nr DNA ITS-2 sequence based molecular signature of Ginseng for potential use in quality control of drug. African Journal of Pharmacy and Pharmacology. 6(39) 2775-2781.

Krishan Lal, Rawat, G.S. and Pande, A. K. 2012. *Taverniera cuneifolium* (Roth) Arnott [Fabaceae]: a new distributional record to the flora of Himachal Pradesh, India. *Pleione* 6(2): 425 - 428.

Shekar S., Pandey A. K., and Anderberg, A.A. 2011. Cypsela morphology and anatomy in some genera formerly placed in Inula (Asteraceae: Inuleae-Inulinae). Rheedea, 21(1):13-22.

Maraner, F., Samuel, R., Stuessy, T. F., Crawford, D. J., Crisci, J.V., Pandey, A. K., Mort, M.E. 2011. Molecular phylogeny of *Nassuvia* (Asteraceae, Mutisieae) based on nrDNA ITS sequences. Plant Systematics and Evolution. Published online 11 Dec, 2011. DOI 10.1007/s00606-011-0553-9.

Goswami, S. and Pandey, A. K., 2010. Pollen-pistil interaction in two north-eastern Himalayan tree species: *Schima wallichii* (D.C.) Korth. and *Schima khasiana* Dyer (Theaceae). The International Journal of Plant Reproductive Biology 2: 197-234.

Goswami, S. and A.K. Pandey 2010. Pollen-pistil interaction in two north-eastern Himalayan tree species: *Schima wallichii* (DC.) Korth and *S. khasiana* Dyer (Theaceae). International J. Plant Reproductive Biology 2(2): 197-203.

Pandey, A.K. and M.A. Ali 2010. Phylogeography of Indian populations of *Panax bipinnatifidus* Seem. (Araliaceae) based on internal transcribed spacer sequences of nuclear ribosomal DNA. Phytomorphology 60 (3 &4): 110-118.

Pandey, A. K. and M.A. Ali 2010. Spatial range expansion of *Panax bipinnatifidus* Seem. (Araliaceae) in India inferred from nucleotide sequences of internal transcribed spacer of nrDNA. Pleione 4(2): 230-234.

Pandey A.K., M.A. Ali, David L. Biate and A.K. Mishra 2009. Molecular systematics of *Aralia-Panax* complex (Araliaceae) in India based on ITS sequences of nrDNA. Proc. Nat. Acad. Sci. India, Sect B, 79: 255-261.

Ali, M. A., A.K. Pandey and Joongku Lee 2009. Taxonomic relationships among the genera of subfamily Cucurbitoideae (Family Cucurbitaceae) from India inferred from ITS sequences of nuclear ribosomal DNA. Phytomorphology. 59 (3&4): 127-140.

Kumari, A., R. Komal, R. Rajesh and A.K. Pandey 2009. *In vitro* pollen germination, pollen tube growth and pollen viability in *Trichosanthes dioica* Roxb. (Cucurbitaceae). The Journal of Plant Reproductive Biology 1(2): 5-9.

Shekhar, S. and A.K. Pandey 2009. Anther appendages and anther collar in Asteraceae and their taxonomic significance. Pleione 3(2): 212-218.

Sourabh, P., K. Aishwarya and A.K. Pandey 2008. Alien flora of Bihar and Jharkhand. Journ. Nontimber Forest Produce 15 (2):111-116.

Anderberg, A.A. and A.K. Pandey 2008. *Nanothamnus sericeus* Thomson is a derived apomorphic species of *Blumea*. Compositae Newsletter (Sweden) 46: 8-19.

3. Research papers Published in Edited volumes/Conferences/Seminar other than Refereed/Peer Reviewed Conferences (last five years)

Rout, S.D., Panda, S.K. and Pandey, A.K. 2013. Documentation of traditional knowledge on medicinal plants from Mayurbhanj district of Odisha, India. In: Diversity and conservation of plants and traditional knowledge, (ed.) S. Panda & C. Ghosh, pp. 357-387, Bishen Singh Mahendra Pal Singh, Dehradun.

Pandey, A.K. and M.A. Ali 2008. Systematics and biogeography of *Panax* L. (Araliaceae)- an overview. In: Ethnobotany and Taxonomy of Angiosperms (ed. Alka Chaturvedi), pp. 11-20, RTM Nagpur University Press, Nagpur.

Pandey, A.K., P. Sourabh and K. Aishwarya 2008. Impact of road metal mining on phytodiversity of Rajmahal Hills (Jharkhand). In: Ethnobotany and Taxonomy of Angiosperms (ed. Alka Chaturvedi), pp. 115-124, RTM Nagpur University Press, Nagpur.

Pandey, A.K. and A. Kumari 2008. Pollination ecology of safflower (*Carthamus tinctorius* L.). Proc. 7th Int. Safflower Conf., Wagga-Wagga, Australia, pp. 110-120.

4. Book Reviews:

Pandey, A. K. 2011. A Pictionary of bulbous and rhizomatous garden plants. S.L. Kochhar. Mc

Millan Publishers India Ltd. Phytomorphology 61(1&2).

Pandey, A.K. 2009. Systematic Botany. Bharati Bhattacharya. Narosa Publishing House, New Delhi, Botanica.

Geeta, R. and A.K.Pandey 2009. Plant taxonomy: The Systematic Evaluation of Comparative Data. Tod. F. Stuessy. The Quarterly Review of Biology 85(1); 112.

Conference Organization/ Presentations (in the last three years)

1. Organization of a Conference

2012 National Workshop on Reproductive Biology of Flowering Plants for their Conservation and Improvement. 27-29 April. Deptt. of Botany, University of Delhi, <u>Convener</u>

2009 International workshop on Molecular Systematics of Flowering Plants, Deptt. of Botany, University of Delhi, <u>Course Coordinator</u>

2.Participation as Paper/Poster Presenter

Invited Lectures (three years)

<u>2013</u>

"Role of taxonomy in conservation of biodiversity" in National Conference on Advances in environmental studies and plant biotechnology at DDU College, University of Delhi

"Taxonomy and conservation of biodiversity" at Department of Environmental studies, University of Delhi

<u>2012</u>

"Application of Molecular Taxonomy in solving taxonomical complex and APG classification", Capacity Building Training in Plant Taxonomy- AICOPTAX, BSI, Dehradun, March 25, 2012.

"Ginseng: Traditional use and potential for grower and industry", National Workshop on Medicinal Plants – Scientist, grower and Industry Interaction at INSA, March 23, 2012.

" Relationships of Indian Crotalaria Fabaceae based on morphological and ITS sequence data" – Nagaland University , Nagaland, 29 September , 2012.

Cucurbitacea: Diversity, Classification and Phylogeny – Annual Conference of IAAT, 28 October, 2012. (Plenary Lecture).

Research Projects (Major Grants/Research Collaboration)

Researching	Jects (Major Grants/Research Collaboration)
2012-2017 P India	revention of extinction of species. Department of biotechnology, Government of
2012-2015. Cucurbitacea	Molecular systematic study of some economically important genera of Indian ae. DST, Government of India
2011-12	Taxonomic studies on the genus Indigofera in India. R&D Project, DU
2011-2014.	Molecular systematics of genus <i>Inula</i> in India. University Grants Commission, New Delhi.
2007-2010. ri	Molecular systematic study of <i>Aralia</i> in India using ITS sequences of nuclear bosomal 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 <i>Duhaldea</i> (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	Floristics 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 phytomelan in Compositae , DST, New Delhi.
1989- 1993	Phenetics and cladistics of Heliaantheae (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 vegetatbel crop of diara regions of Bihar.
1997-2000	Reproductive biology and propagation of Sterculia urens- an
	important gum yielding tree of deciduous forests. ICFRE, Dehra Dun.
2000-2003	Collection, evaulation 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 <i>Trichosanthes</i> (Cucurbitaceae). University Grants Commission, New Delhi.
2004-2007	Molecular systematic study of <i>Panax</i> complex in India using ITS
2004-2007	sequences of nuclear ribosomal DNA. Department of Biotechnology,
2005-2008	Govt. of India, New Delhi. Impact of mining on biodiversity of Rajmahal hills: an assessment after a
2003-2008	impact of mining on biodiversity of najmanal lines. an assessment after a

decade. Ministry of Environment & Forests, Govt. of India.

Awards and Distinctions

2012-2013 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

1. Editing

Member, Editorial Board, Indian Journal of Natural Products and Resources, (Jan 2011-Dec 2013).

Member, Editorial Board, **Bioherald** (An International Journal of Biodiversity and Environment, 2011-).

Member, Editorial Board, Journal of Progressive Science (2010 onwards)

Member, Editorial Board, International Society of Plant Morphologists (2010 onwards) Executive Editor, Rheedea (Official Journal of Indian Association for Angiosperm Taxonomy) (1999-2000)

Joint Editor, Research Journal of Plant and Environment (1996- present)

2. Reviewing

Journal of American Science, New York

Plant Genetic Resources, London U.K

Journal of Threatened Taxa

Bangladesh Journal of Plant Taxonomy

Manuscript Review for Scientific Journals

Current Science

Journal of Indian Botanical Society

Journal of the Botanical Research Institute of Texas (USA)

Rheedea

Proc. National Academy of Sciences, Allahabad

Plant Systematics and Evolution, Austria

Journal of Plant Taxonomy

Biological Bulletin of India

Ethnobotany Phytomorphology Tropical Ecology Plant Genetic Resources, London, UK, Journal of American Science, New York

3. Advisory

Member, Advisory Committee, National Seminar organized by East Himalayan Society for Spermatophyte Taxonomy.

Member, National Advisory Committee, Indian Association Of Angiosperm Taxonomy. Member, Advisory Board, Indian Journal of Fundamental and Applied Life Sciences.

4. Committees and Boards

2013-, Member, Advisory Committee, CAS Programme, The University of Burdwan

2013-, Member, Advisory Committee, SAP(DRS), Shivaji University, Kolhapur

2012-13 ,Member, Governing Body, Shaheed Rajguru College of applied sciences for women, Delhi University.

2012-, Member, Governing Body, Deen Dayal Upadyay College, Delhi University.

2011-, Member, Committee for monitoring Colleges for Star College Scheme, DBT.

2012, Member, Board of Studies, Botany, University of Allahabad, Allahabad.

2010-2012, Member, Board of PG Studies, Botany, Botany, North Eastern Hill University, Shillong.

2011, Member, Selection Committee for recruitment of scientists in Ministry of environment and Forests .

2011, Member, Committee for upgradation from JRF to SRF under Rajiv Gandhi National Fellowship Programme, North-eastern Hill University.

2011-2016, Member, Advisory Committee, DRS (SAP), Kumaun University, Nainital

2011-2014, Member, Board of Studies, Jiwaji University, Gwalior

2010-2013 Member, Board of Studies, North Eastern Hill University, Shillong

2010-2013 Member, Board of Studies, Rajasthan University, Jaipur

2009-2011 Member, Board of Studies, University of Allahabad, Allahabad

5. Memberships

American Society of Plant Taxonomists

International Association for Plant Taxonomy

International association of Sexual Plant Reproduction Research

Indian Association for Angiosperm Taxonomy

Association for Plant Taxonomy

Society of Ethnobotanists

Indian Botanical Society

International Society of Plant and Environment

Biological Society of India

Mendelian Society of India

National Academy of Sciences, India

Indian Society of Plant Genetic Resources

International Society of Plant Morphologists

Indian Society of Tree Scientists

Society for Advancement of Botany

Indian Science Congress Association

Botanical Society of Assam

Neem Foundation

East Himalayan Society of Spermatophyte Taxonomy

Society for Conservation and Resource Development of Medicinal Plants

Fellowships:

Fellow, Indian Botanical Society (FBS)

Fellow, Indian Association for Angiosperm Taxonomy (FIAT)

Fellow, Society of Ethnobotanists (FES)

Fellow, Mendelian Society of India (FMA)

6. Office Bearer

2012-2013, President, East Himalayan Society of Spermatophyte Taxonomy 2011-14 Elected Recorder, Plant Science Section, Indian Science Congress Association. 2010-2013, Councillor, The Society OF Plant Reproductive Biologists. 2011-2012, Vice-President, East Himalayan Society of Spermatophyte Taxonomy 2010 President, Indian Association for Angiosperm Taxonomy 2008-2010, Councillor, Indian Botanical Society 2007-2009, Secretary (outstation) East Himalayan Society of Spermatophyte Taxonomy 2005-2008, Councillor, Indian Association for Angiosperm Taxonomy 2003-2005, Vice President, Indian Association for Angiosperm Taxonomy 1991-1992, Secretary, Indian Association for Angiosperm Taxonomy 1990-1991, Zonal Member, Indian Science Congress Association 1996-1999, Councillor, Indian Botanical Society 1990-1991, Councillor, Society of Ethnobotanists 1990-1991, Councillor, Society for the Advancement of Botany 1990-1993, Councillor, Indian Botanical Society

Other Activities

Member Peer Team, National Assessment and Accreditation Council (NAAC), (2004-onwards)

Signature of Faculty Member

• You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.