




**DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019**

Faculty details proforma for College Website

Title	DR.	First Name	MEENAKSHI	Last Name	PRAJNESHU	Photograph												
Designation		ASSOCIATE PROFESSOR																
Address		A-150 DEEPALI, PITAMPURA, DELHI-110034																
Phone No	Office	011-26439565																
	Residence	011-43701097																
	Mobile	9891228889																
Email		prajneshum@gmail.com																
Web-Page																		
Educational Qualifications																		
Degree		Institution			Year													
Ph.D.		UNIVERSITY OF DELHI			1980													
M.Phil.		----																
PG		UNIVERSITY OF DELHI			1975													
UG		UNIVERSITY OF DELHI			1973													
Any other qualification		CERTIFICATE IN GERMAN LANGUAGE, UNIVERSITY OF DELHI			1976													
<ul style="list-style-type: none"> Lecturer (Temporary), Botany Department, Miranda House (D U) from January - March, 1976, and January - October, 1980 Lecturer/ Assistant Professor, Botany Department, Deshbandhu College (D U) from October, 1980 – October, 1993 Associate Professor, Botany Department, Deshbandhu College (D U) from October, 1993 - till date 																		
Administrative Assignments																		
<ul style="list-style-type: none"> Convenor, Development Fund & Member Canteen Committee (2008-09) Member, Cultural & Union Advisory Committee (2009-10) Member, Cultural & Sports Committee(2010-11) Member, Proctorial Board & Sports Committee (2011-12) Member, Proctorial Board & Union Advisory Committee (2012-13) Member, Cultural & Union Advisory Committee (2013-14) Member, CCC (2013-14) Member, Core Committee (Botany) for framing Four-year degree programme (2013). Member Cultural and Sports committee (2014-15) Member Cultural and Union Advisory Committee (2015-2016) Member, Science Faculty, Delhi University (2018-2019) 																		
Areas of Interest / Specialization																		
Palynology, IPR, Undergraduate Research (Vector Management, Bioactive Compounds in Plants)																		
Subjects Taught:																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Anatomy</td> <td style="width: 25%;">Plant Resources</td> <td style="width: 25%;">Embryology</td> <td style="width: 25%;">IPR</td> </tr> <tr> <td>Cell Biology</td> <td>Mycology</td> <td>Taxonomy</td> <td>Ecology</td> </tr> <tr> <td>Algae</td> <td>Gymnosperms</td> <td></td> <td></td> </tr> </table>							Anatomy	Plant Resources	Embryology	IPR	Cell Biology	Mycology	Taxonomy	Ecology	Algae	Gymnosperms		
Anatomy	Plant Resources	Embryology	IPR															
Cell Biology	Mycology	Taxonomy	Ecology															
Algae	Gymnosperms																	
Research Guidance:																		

List against each head (If applicable)

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil dissertations
4. Supervision of M.Phil dissertations, under progress

Publications Profile

List against each head (If applicable) (as Illustrated with examples)

1. Books/Monographs (Authored/Edited):
2. Research papers published in Refereed/Peer Reviewed Journals
 - a) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals

Paliwal, G.S., **Garg, Meenakshi** & Harjal, N. (1976). Evolution of foliar venation in Embryobionta. *Current Science*, **45**, 171-74.

Paliwal, G.S., Harjal, N. & **Garg, Meenakshi** (1977). Evolution of stomatal complex in Embryobionta. *Current Science*, **46**, 481-84.

Bhatnagar, A.K. & **Garg, Meenakshi** (1978). Affinities of Daphniphyllum-- Palynological approach. *Phytomorphology*, **27**, 92-97.

Garg, Meenakshi (1980). Pollen morphology and systematic position of *Coriaria*. *Phytomorphology*, **30**, 234-39.

Prajneshu, Meenakshi (1997). Green revolution--Past, present and future. *The Botanica*, **47**, 92-95.

Prajneshu, Meenakshi (1998). Phytotron: A boon for researchers. *The Botanica*, **48**, 125-28.

Prajneshu, Meenakshi (2000). Organic farming: A grey matter revolution. *The Botanica*, **50**, 166-71.

Prajneshu, Meenakshi & Gupta, V.K.(2001). Traditional knowledge database: IPR and opportunities for R & D. *Journal of Intellectual Property Rights*, **6**, 449-58.

Prajneshu, Meenakshi & Gupta, V.K. (2002). Patenting on clove. *Journal of Intellectual Property Rights*, **7**, 24-32.

Prajneshu, Meenakshi & Gupta, V.K. (2002). Intellectual property rights in sugarcane research. *Journal of Intellectual Property Rights*, **7**, 416-22.

Bhaduri, N.P. and **Prajneshu, Meenakshi** (2016). Kuttu (Buckwheat): A promising staple food grain in our diet. *Journal of Innovation for Inclusive Development*, **1**, 43-45.

Bhaduri, N.P., **Prajneshu, Meenakshi**, Gaur, M. and Suri, S. (2016) Seed germination behaviour and preliminary screening of bioactive components in buckwheat (*Fagopyrum spp.*). *DU Journal of Undergraduate Research and Innovation.*, **2**, 121-30.

. Bhaduri, N.P., **Prajneshu, Meenakshi**, Kumar, L. and Ramlal, A. (2018). Bioefficacy of weedbased extracts in the control of Rhizoctonia root rot disease of Buckwheat. *DU Journal of Undergraduate Research and Innovation*, **3**, 50-56.

b) Research papers published in Refereed/Peer Reviewed Conferences

c) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences

Prajneshu, Meenakshi (1999). Neem: A wonder tree. *Desh*, 9-10.

Prajneshu, Meenakshi (2001). *Petals: The Millenium Issue*. Edited jointly with Bela Bhatia and Mohantara, J. Deshbandhu College, New Delhi.

Prajneshu, Meenakshi (2001). Genetically modified crops: Boon or bane? *Petals*, 19-27.

Prajneshu, Meenakshi (2002). Aquaculture: Blue revolution and the environment. In "Sustainable Aquaculture. Edited by Sahoo, D. and Qasim, S.Z., A.P.H. Publishing Corporation, New Delhi, 85-100.

Prajneshu, Meenakshi (2003). Have you heard of patenting? *Petals*, 9-10.

- Prajneshu, Meenakshi** (2004). Designing plants to our needs. *Petals*, 18-19.
- Prajneshu, Meenakshi** (2005). Intellectual property rights in biotechnological inventions. "Current trends in plant sciences. Ed. Trivedi, P. C." *Agrobios (India)*, 379-94.
- Prajneshu, Meenakshi** (2005). Do you know? *Petals*, 43-44.
- Prajneshu, Meenakshi** (2005). Vanilla: Ice cream or a spice. *Desh*, 6.
- Prajneshu, Meenakshi** (2006). Post-harvest storage of potato in India. *Petals*, 57.
- Prajneshu, Meenakshi** (2006). Kya alu se charbi bhadhti hai? (In Hindi). *Desh*, 37.
- Prajneshu, Meenakshi** (2007). Intellectual property rights and aquaculture. In "Bioinformatics and statistics in fisheries research, Vol. III". Eds. Roy, A.K. and Sarangi, N., C.I.F.A., Bhubaneswar, 253-68.
- Prajneshu, Meenakshi** (2007). Intellectual property rights, *Petals*, 54-56.
- Prajneshu, Meenakshi** (2007). Vrat (In Hindi). *Desh*, 14-15.
- Prajneshu, Meenakshi** & Pragma, A. (2008). Intellectual property rights issues and fisheries research. In "Applied bioinformatics, statistics and economics in fisheries research". Eds. Roy, A.K. and Sarangi, N., New India Publ. Agency, New Delhi, 575-85.
- Prajneshu, Meenakshi** (2008). Cultural knowledge and intellectual property rights, *Petals*, 30-32.
- Prajneshu, Meenakshi** (2009). Is garam masala a condiment? *Desh*, 57-58.
- Prajneshu, Meenakshi** (2009). Some lesser known ethnic plants. *Petals*, 16-17.
- Prajneshu, Meenakshi** (2011). Bioinformatics. *Petals*, 5-7.
- Prajneshu, Meenakshi** (2012). Palynology: Timeline. In "Plant Taxonomy: Past, Present, and Future". Ed. Gupta, R., The Energy and Resources Institute, New Delhi, 289-308.
- Prajneshu, Meenakshi** (2012). Wonder what are El Nino/ La Nina. *Desh*. 13-15.
- Prajneshu, Meenakshi** (2013).Cyanophyta. E-Chapter, ILLI, D.U.
- Prajneshu, Meenakshi** (2014). Organization of shoot apex, types of vascular bundles. E-Chapter. ILLI, D.U.
- Prajneshu, Meenakshi** (2014). Structure of monocot and dicot stem. E-Chapter. ILLI, D.U.
- Prajneshu, Meenakshi** (2015). Wheat. E-Chapter, ILLI, D.U.
- Prajneshu, Meenakshi** (2015). Pollination. E-Chapter, ILLI, D.U.
- Prajneshu, Meenakshi** & Pragma, C. (2014). Emerging IPR Issues in Plant Biotechnology. In "Emerging Technologies of the 21st Century". Ed. Roy, A.K. New India Publ. Agency, New Delhi, 789-804.
- Prajneshu, Meenakshi** (2015). Graviola - A Nature's Replacement for Chemotherapy. *Petals*.
- Prajneshu, Meenakshi** and Madhu Rani (2016). Cashew: A Wonder Dry Fruit. *Petals*, pp. 26-30.
- Bhaduri, N.P. and **Prajneshu, Meenakshi** (2017). Buckwheat: A Therapeutically Underutilized Crop. Proceedings of National Conference on Pharmacognosy: Scope of phytochemically unexplored medicinal plants held at Zakir Hussain Delhi College, Chapter 13, 141-45.

Chibber, A. and **Prajneshu, Meenakshi** (2018). Uses and abuses of ginger. *Petals*, pp.4-6.

Prajneshu, Meenakshi and Nautiyal, Aparna (2018). Analysis of vegetation in Deshbandhu College campus. *Petals*, pp.1-3.

3. *Other publications (Edited works, Book reviews, Festschrift volumes, etc.)*

Kapil, R.N. & **Garg, Meenakshi** (1978). The evolutionary significance of the exine. (Review), *Phytomorphology*, **27**, 134-36.

Kapil, R.N. & **Garg, Meenakshi** (1979). Raster-elaktronenmi-kroskopie der epidermis-oberflächen van spermatopyten topische und subtropische pflanzenwelt. (Review), *Phytomorphology*, **29**, 194.

Garg, Meenakshi (1980). Über bildung und feinstructur des translators der pollinarien von *Ascepias curassavica Gomphocarpus fruticosus* (Asclepiadaceal). (Review) *Phytomorphology*, **30**, 411-12.

Conference Organization/ Presentations :

List against each head (If applicable)

1. *Organization of a Conference:*

- Acted as Chairperson of a Technical session at the International conference held at Islamabad, Pakistan (2012)
- Member, Organizing Committee of the INSPIRE internship Program-2012 organized by Deshbandhu College
- Member, Organizing Committee of the INSPIRE internship Program-2013 organized by Deshbandhu College
- Organized National Symposium on "Vector Biology and Vector Management" along with Dr. Kamal Kumar Gupta and Dr. Varsha Baweja. (2013).
- Member, Organizing Committee of the INSPIRE internship Program-2014 organized by Deshbandhu College
- Organised a session entitled "Introducing Research Projects to Undergraduates" and delivered an invited talk on "Undergraduate Research at Delhi University: An Overview" at the International conference held at UNCG, Greensboro, U.S.A. (2014)
- Convenor of a session in the National Symposium on "Environment: Challenges and Awareness" held at Deshbandhu College (2014).
- Organizer of "National Symposium on Vector Biology and Vector Management" along with Drs. Ranjana Seth, Versha Baweja and Sunil Kayesth held at Deshbandhu College, (2015).

2. *Participation as Paper/Poster Presenter:*

Prajneshu, Meenakshi (1998). Indoor Plants. Rotary club of Delhi.

Prajneshu, Meenakshi (2001). SEM investigations: Micropores on pollen surface of some Western Himalayan plants. (Abstract). *Proceedings 88th Indian Science Congress*, Section of Botany, 75.

Prajneshu, Meenakshi (2001). Correlation between environment and pollen surface. (Abstract). *Proceedings 88th Indian Science Congress*, Forum on Environmental Sciences, 285-86.

Prajneshu, Meenakshi (2002). Endemic taxa of Western Himalayas: A palynological study. (Abstract). *Proceedings 89th Indian Science Congress*, Section of Botany, 24-25.

Prajneshu, Meenakshi (2003). On the pollen dimorphism in some species. (Abstract). *Proceedings 90th Indian Science Congress*, Section of Plant Sciences, 139-40.

- Prajneshu, Meenakshi** (2004). Pollen apertural discords: Deployment of SEM. (Abstract). *Proceedings 91st Indian Science Congress*, Section of Plant Sciences, 56-57.
- Prajneshu, Meenakshi** (2005). Pollen apertural caps in unrelated species (Abstract). *Proceedings 92nd Indian Science Congress*, Section of Plant Sciences, 44-45.
- Prajneshu, Meenakshi** (2006). A palynological study in hypericum (Abstract). *Proceedings 93rd Indian Science Congress*, Section of Plant Sciences, 29.
- Prajneshu, Meenakshi** (2007). Intellectual Property Rights and Traditional knowledge: An overview. International Conference on 'Advances in Interdisciplinary Statistics and Combinatorics', University of North Carolina, Greensboro, U.S.A.
- Prajneshu, Meenakshi** (2012). Intellectual property rights issues on computer software and mathematical algorithms. International Conference on 'Advances in Interdisciplinary Statistics and Combinatorics', University of North Carolina, Greensboro, U.S.A.
- Prajneshu, Meenakshi** (2012). Intellectual Property Rights. International conference, Islamabad, Pakistan.
- Gupta, K.K., Baweja, V. and **Prajneshu, Meenakshi** (2013). Impact of Plant Extracts on gut microbial flora of *Aedes aegyptii*. Paper presented at International Symposium on Vector Borne Diseases, Udaipur, Sept. 16-18, 2013.
- Prajneshu, Meenakshi** (2013). Plant biotechnology and IPR. National Conference, Deen Dayal Upadhyay College, Delhi
- Prajneshu, Meenakshi** (2015). Bioresources of the Himalaya: Present is the key to the past. 1st Himalayan Conclave, University of Delhi
- Bhaduri, N.P., **Prajneshu, Meenakshi** and Khurana, S. (2016). Microcapsule for enhancing crop productivity: An emerging technology. Indo-Portuguese workshop on Emerging trends of nanotechnology in Chemistry and Biology, University of Delhi Guest house .
- Bhaduri, N.P., **Prajneshu, Meenakshi** and Kumar, L. (2016). Traditional ecological knowledge in kuttu --- A pseudocereal. National Conference on Environmental Concerns of 21st century: Indian and Global context , Zakir Hussain Delhi College (Evening).
- Bhaduri, N.P., **Prajneshu, Meenakshi** and Kumar, L. (2016). Environmental sustainability, social well-being and economic growth of people growing buckwheat -- a pseudocereal. National Seminar on 'Emerging Economics and challenges to sustainability towards developing nations', Sri Aurobindo College.
- Bhaduri, N.P., **Prajneshu, Meenakshi** and 9 others (2016). Study of bioactive components in buckwheat and *insilico* analysis of *fagopyritol synthase*. National Seminar on 'Emerging Issues of climate change: Sustainability and Economic Implications', Sri Aurobindo College.
- Bhaduri, N.P., **Prajneshu, Meenakshi** , Khurana, S. and Rani, V. (2016). *Fagopyrum esculentum* (Buckwheat)- Application of nanotechnology in kuttu agriculture. National symposium on Nanobiotechnology, TERI University.
- Bhaduri, N.P., **Prajneshu, Meenakshi** , Kumari, A. and Gaur, M. (2016). Bioactivity of Natural Products in kuttu seeds. National conference in Chemistry, Environment and Harmonious development. India International Centre.
- Bhaduri, N.P., **Prajneshu, Meenakshi** , Salik, F. and Ramlal, M. (2016). Future prospects of *Fagopyrum esculentum* – a pseudocereal as functional food. National conference in Chemistry, Environment and Harmonious development, India International Centre.
- Bhaduri, N.P. and **Prajneshu, Meenakshi** (2017). Buckwheat: A Therapeutically Underutilized Crop. Proceedings of National Conference on Pharmacognosy. Edited Book: Scope of phytochemically unexplored medicinal plants, Enriched Publications, Chapter 13, 141-145.

Research Projects (Major Grants/Research Collaboration)
(i) Research Project by UGC (1985) (ii) Innovation Project by University of Delhi (2012-13) (iii) Innovation Project by University of Delhi (2014-15) (iv) Innovation Project by University of Delhi (2015-16) (v) Innovation Project by University of Delhi (2016-17)
Awards and Distinctions
(i) 2 nd Position in Inter-Department Elocution contest (University of Delhi, 1971) (ii) JRF and SRF (Wadia Institute, Dehradun) (iii) SRF (CSIR, 1980) (iv) Abhinandan Patra on Rashtriya Mahila Shakti Divas (1986) (v) Nominated as a Member of the Core Committee (Botany) for framing course outlines for Botany stream under the Four year degree programme (2013). (vi) Selected for Bharat Jyoti Award by "India International Friendship Society, New Delhi" (2013). (vii) Best Poster Award (Jointly) at National Seminar held at Sri Aurobindo College (2016). (viii) Certificate of Appreciation for Innovation Project entitled "Food for future: Studies on nutritional value of kuttu (<i>Fagopyrum esculentum</i>) -a pseudocereal and efficacy of weed based botanicals against its Root-rot disease. University of Delhi Convocation ceremony, 19 November, 2016
Association With Professional Bodies
<ul style="list-style-type: none"> • <i>Editing</i> • <i>Reviewing</i> • <i>Advisory</i> • <i>Committees and Boards</i> • <i>Memberships</i> <p>Life member of 'Phytomorphology' and 'Botanica'</p> <ul style="list-style-type: none"> • <i>Office Bearer</i>
Other Activities
Visiting Lecturer, Massey University, New Zealand (1990)

Meenakshi Prajneshu

Signature of Faculty Member

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