



**DESHBANDHU COLLEGE**  
**(UNIVERSITY OF DELHI)**  
**KALKAJI, NEW DELHI - 110019**  
**Faculty Details Proforma for College Website**

Title	<b>Dr</b>	First Name	<b>Dharmendra Kumar</b>	Last Name	<b>Mallick</b>	Photograph
Designation						
Address	<b>SH Apartment, SF 2, Plot No. 1, Khasra No. 202, Near NDPL Office, Burari, Delhi- 110084</b>					
Phone No. Office						
Residence	<b>9811501596</b>					
Mobile	<b>9811501596</b>					
Email	<b>dkmallick@db.du.ac.in dmallick_in@yahoo.com</b>					
Web-Page						
<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.D.	<b>University of Delhi</b>				<b>1999</b>	
M.Phil.						
PG	<b>Department of Botany, LNM University, Darbhanga</b>				<b>1990</b>	
UG	<b>R K College Madhubani, LNM University, Darbhanga</b>				<b>1986</b>	
Any other qualification	<b>IIT, GATE</b>				<b>1992</b>	
<b>Career Profile</b>						
<p>2008 – Till date : Assistant Professor in Senior Grade, Deshbandhu College, University of Delhi  2005-2008 : Assistant Professor (Adhoc), Deshbandhu College, University of Delhi  2004-2005 : Assistant Professor (Adhoc), Hindu College, University of Delhi  2002-2004 : Assistant Professor (Adhoc), ANDC College, University of Delhi</p>						
<b>Administrative Assignments</b>						
<i><b>Deshbandhu College</b></i>						
<b>2018-2019: Member, Governing Body</b>						
<b>2016-2018: Teacher In-Charge</b>						
<b>2015-2016: In-Charge of Admission Committee of Life Sciences and member of Purchase Committee</b>						
<b>2014-2015: In-Charge of Admission Committee of Life Sciences and member of Purchase Committee</b>						
<b>2014-2015: In-Charge of Admission Committee of Life Sciences and member of Purchase Committee</b>						
<b>2014-2016: Member of the Committee of Courses, Department of Botany, University of Delhi</b>						
<b>2013-2014: In-Charge of Admission Committee of Life Sciences and member of Building Committee</b>						
<b>2012-2013: Co-Convenor of Admission Committee of Sciences and member of Prospectus Committee</b>						
<b>2011-2012: In-Charge of Admission Committee of Life Sciences and member of Purchase Committee</b>						
<b>2010-2011: In-Charge of Admission Committee of Life Sciences and member of Cultural Committee</b>						
<b>2009-2010: Convenor of Garden Committee and In-Charge of Admission Committee of Life Sciences</b>						
<i><b>University of Delhi</b></i>						
<b>2014-2016: Member of the Committee of Courses, Department of Botany, University of Delhi</b>						
<b>2007-2009: Actively coordinated and conducted the online examination of Environmental Sciences in different Colleges</b>						
<b>2005-2007: Actively participated in framing the theory and practical syllabus of B.Sc. restructured courses( B.Sc. Life Sciences, B.Sc. Physical Sciences and B.Sc. Computer Sciences</b>						
<b>2002-2018: Actively involved in the examination and evaluation process of the University</b>						
<b>Areas of Interest/Specialization</b>						

**Genetics, Genomics, Molecular Biology, Cell and Molecular Biology, Plant Biotechnology, Analytical Techniques, Plant Physiology, Biochemistry****Subjects Taught**

COURSE	PAPER	COURSE	PAPER
B. Sc. (Hons) Botany Sem I	Biomolecules & Cell Biology	B. Sc. (Hons) Botany Sem V	Analytical Techniques Plant Physiology
B. Sc. (Hons) Botany Sem III	Genetics	B. Sc. (Hons) Botany Sem VI	Plant Metabolism Plant Biotechnology
B. Sc. (Hons) Botany Sem IV	Molecular Biology	B. Sc. (P) Life Science Sem V	Cell & Molecular Biology

**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
  - a) Research papers published in Refereed/Peer Reviewed Journals
    1. **Mallick**, D.K. and S. Sawhney (2003). Interactive effects of gamma rays, EMS and gibberellins on growth and flowering of *Lens culinaris* Medic. *Indian J. Plant Physiol.* (special issue): 724-731
    2. **Mallick**, D.K. and S. Sawhney (2003). Seed coat ornamentation in wild and cultivated lentil taxa. *Phytomorphology*. 53 (2): 187-195
    3. **Mallick**, D.K. and S. Sawhney (2003). Phylogenetic Relationships in Lentils: A Review. S.P. Vig; K. Kondo; A Gupta; M.L. Sharma.(eds), Plant Genetic Diversity: Exploration, Evaluation, Conservation. Affiliated East-West Press, New Delhi, 197-204.
    4. **Mallick**, D.K. and S. Sawhney (2002). Seed protein profiles and phylogenetic relationships in the genus *Lens*. *Physiol. Mol. Biol. Plants* 8(2): 279-284
    5. **Mallick**, D.K. and S. Sawhney (1998). Experimental Regulation of Flowering in chickpea- The Photoperiod-Gibberellin Interaction. *Indian J. Plant Physiol.*, 3: 223-225
  - b) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
  - c) Research papers published in Refereed/Peer Reviewed Conferences
  - d) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences
    1. **Mallick**, D.K., Nautiyal, A. and Aparna Shekhar (2016). Chapter entitled "Higher Plants as Indicator of Urban Air Quality" in Proceedings booklet of National Conference on "Environmental Concerns of 21st Century: Indian and Global Context" – organized by Zakir Hussain College (evening), University of Delhi.
    2. Nautiyal, A. **Mallick**, D.K. and Aparna Shekhar (2016). Chapter entitled "Significance of Avenue Trees as an indicators and scavengers of air pollution in metropolitan cities" in Proceedings booklet of National Conference on "Environmental Concerns of 21st Century: Indian and Global Context" – organized by Zakir Husain College (evening), University of Delhi.
3. Other publications (Edited works, Book reviews, Festschrift volumes, etc.)
  1. **Mallick**, D.K (2014) "Secretory systems in plants" Chapter contributed in NMEICT (National Mission On Education Through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.
  2. **Mallick**, D.K (2015) "Anatomical Adaptations in Hydrophytes and Xerophytes" Chapter contributed in NMEICT (National Mission on Education through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.
  3. **Mallick**, D.K (2015) "Plant Sporophyte" Chapter contributed in NMEICT (National Mission On Education Through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.
  4. **Mallick**, D.K (2014) "Secretory systems in plants" Chapter contributed in NMEICT (National Mission On Education Through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.

<p>5. <b>Mallick</b>, D.K (2015) “Anatomical Adaptations in Hydrophytes and Xerophytes” Chapter contributed in NMEICT (National Mission on Education through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.</p> <p>6. <b>Mallick</b>, D.K (2015) “Plant Sporophyte” Chapter contributed in NMEICT (National Mission On Education Through ICT, Ministry of Human Resource Development (MHRD) Project, published by Institute of Life Long Learning (ILLL), University of Delhi.</p>
<p>Conference Organization/ Presentations</p>
<p><i>List against each head(If applicable)</i></p> <ol style="list-style-type: none"> <li>1. <i>Organization of a Conference: None</i></li> <li>2. <i>Participation as Paper/Poster Presenter</i></li> </ol> <ol style="list-style-type: none"> <li>1. Participated and presented a paper entitled “<b><i>Climate change impacts on food security and its mitigation strategies in Indian context</i></b>” in National Workshop on Skill Development to Build a Clean India on 07-08 June, 2018 organized by Deshbandhu College in association with Oil and Natural Gas Corporation (ONGC).</li> <li>2. Participated and presented a paper entitled “<b><i>Nanoparticles- induced toxicity: A possible threat to susceptible population and safety measures in biomedical design</i></b>” in National Conference on “<b>BIOTIKOS</b>” : Trends in Nanobiotechnology on 28-29 September, 2017 organized by Department of Biotechnology, TERI University, New Delhi.</li> <li>3. Participated and presented a paper entitled “<b><i>Nanobiosensors: An emerging field in medical diagnosis</i></b>” in National Conference on “<b>BIOTIKOS</b>” : Trends in Nanobiotechnology on 28-29 September, 2017 organized by Department of Biotechnology, TERI University, New Delhi.</li> <li>4. Participated and presented a paper entitled “<b><i>Nano herbal drug delivery system: An effective tool for enhancing bioavailability of phytomedicines</i></b>” in Indo-Portugese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology from 12-13 February, 2016 organized by Department of Chemistry, Hansraj College and Deshbandhu College, University of Delhi, India in association with CQM, University of Madeira, Portugal.</li> <li>5. Participated and presented a paper entitled “<b><i>Significance of Avenue Trees as an indicators and scavengers of air pollution in metropolitan cities</i></b>” in A National Symposium on Environment and sustainable development 22 March 2016 , Organized by Zakir Hussain College (Evening), University of Delhi.</li> <li>6. Participated and presented a paper entitled “<b><i>Novel Nanoherbal Formulation Strategies: A new Paradigm for improving Targeted Drug Delivery System</i></b>” in (BIOTIKOS 2016) A National Symposium on Nanobiotechnology, on 31st March – 1<sup>st</sup> April 2016 , Organized by Teri University New Delhi.</li> <li>7. Participated and presented a paper entitled “<b><i>Phytoremediation: An effective tool for mitigating geogenic arsenic contamination</i></b>” in National Symposium on Geogenic Contamination of Groundwater : Its impacts and Mitigation Strategies held on 22 April, 2016 at GCG-2016, organized by TERI University, New Delhi.</li> </ol>
<p>Research Projects (Major Grants/Research Collaboration)</p>
<ol style="list-style-type: none"> <li>1. A major research project entitled “<b>Studies on occurrence, colonization and biological control of human enteric pathogens on vegetables eaten raw</b>” has been submitted to DST in collaboration with Amity Institute of Biotechnology, Amity University, Uttar Pradesh.</li> <li>2. Innovation project entitled ‘<b>Unbeatable Air Pollution in Delhi- Trees for rescue. A comparative study of different plant species to combat rising pollution in Delhi</b>’ funded by Delhi University Research Grant for College teachers with undergraduate students has been completed recently but further investigation is still going on. A thorough investigation of the pollutant induced oxidative damages to the leaf surfaces due to deposition of the particulates and the aerosols on different plant species selected from most polluted sites of Delhi was carried out.</li> <li>3. A second Innovation project entitled ‘ <b>Evaluation of phytochemical properties and cytotoxicity of indigenous plants used in tribal folk medicines in Jharkhand for potential novel anticancer use</b>’ is under consideration to be funded by Delhi University Research Grant for College teachers with undergraduate students</li> </ol>
<p>Awards and Distinctions</p>
<ol style="list-style-type: none"> <li>1. Selected <b>Plantae Fellow</b> (2017-2018) of American Association of Plant Biologists (ASPB)</li> <li>2. Qualified IIT, GATE exam conducted by IIT, Delhi in 1992 and availed UGC fellowship</li> <li>3. Awarded Junior Research Fellowship (JRF) by UGC from 1994 to 1996</li> <li>4. Awarded Senior Research Fellowship (SRF) by UGC from 1996 to 1999</li> <li>5. Participated in 4 weeks Refresher Course in Biotechnology organized by UGC-ASC Jawaharlal Nehru University (JNU), New Delhi from 16 July 2012 to 9<sup>th</sup> August 2012 and awarded A Grade.</li> <li>6. Participated in 93<sup>rd</sup> 4 weeks Orientation Course organized by UGC-ASC Jamia Milia Islamia, New Delhi from 20 July 2010 to 16 August 2010 and awarded A Grade.</li> </ol>

#### Association With Professional Bodies

- **Editing**
  1. Member of Editorial Board of “The Botanica”, Published by Delhi University Botanical Society.
- **Reviewing**
  1. Member of Review Committee of “Indian Journal of Agricultural Research”.
  2. Member of Review Committee of “3Biotech”, Springer Nature, Australia.
- **Advisory**
- **Committees and Boards**
  1. In the Panel of Examiners of ‘Amity University’, Noida.
  2. In the Panel of Examiners of ‘Chhattisgarh University’ Raipur.
- **Memberships**
  1. Botanical Society of America
  2. Plantae Fellow (2017-2018) of American Association of Plant Biologists (ASPB)
  3. Indian Society for Plant Physiology
  4. K. K. Nanda Foundation for Advancement of Plant Sciences
  5. Delhi University Botanical Society
  6. CSE Green Educator’s Network
- **Office Bearer**
  1. Coordinator, CSE Green Educator’s Network

#### Other Activities

1. 2009- Till date: Working as one of the Assistant Coordinator of the Indira Gandhi National Open University (IGNOU) Centre operating in Deshbandhu College, University of Delhi, Kalkaji, New Delhi and counseling **Foundation in Science and Technology (FST-01)** paper since 2009 and also **Application Oriented Course on Human Environment ( AHE-01)** and its project since 2016.
2. Participated as Member, Organizing Committee in the “INSPIRE Internship Program – 2012-15, 2017 “organized by Deshbandhu College, University of Delhi.
3. Participated in a 4 – day workshop on ‘Techniques in Biotechnology ‘for B.Sc. Life Sciences IIIrd Year from January 09 – 12, 2013 organized by Institute of Life Long Learning and Miranda House, University of Delhi.

DHARMENDRA K. MALLICK

Signature of Faculty Member

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