



Shivaji College Faculty Details Proforma

Title	DR	First Name	PRABHAVATHI	Last Name	VENKATRAMAN	Photograph
Designation	Assistant Professor					
Address	Flat 1, Block 1, Type V, Teachers Quarters, University of Delhi-South Campus, Benito Juarez Road, New Delhi-110021					
Office Phone No.	25116644					
Residence	24110587					
Mobile	9818977807					
Email	prabha5_udsc@yahoo.com					
Web-Page	http://shivajicollege.ac.in/Departments/Botanyctrl/faculty					
Educational Qualifications	M.Sc, Ph.D					
Degree	University/Institute			Year		
Ph.D.	Department of Genetics, University of Delhi			2004		
M.Phil./M.Tech.	NA					
PG (M.Sc.)	Sri Venkateswara University, Tirupathi, AP			1989		
UG (B.Sc.)	Sri Venkateswara University, Tirupathi, AP			1987		
Any Other Qualification	B.Ed, Annamalai University, Tamil Nadu.			1993		
Career Profile						
<p>After completing M.Sc. (1989) worked as lecturer in a junior residential college in Andhra Pradesh; Worked as technical assistant and research assistant in various research projects at the Department of Genetics, University of Delhi South Campus (Prof. MV Rajam) from 1994 to 1996 and from 1998 to 2001; Received Senior Research Fellowship from CSIR to complete Ph.D. from the Department of Genetics, University of Delhi South Campus (under Prof. MV Rajam in 2004); Undertaken independent research project under Young Scientist award from the Dept. of Science and Technology, Govt. of India (2004-2007) (also selected for Women Scientist Award); Joined as Reaserch Associate in PMB Dept. South campus (DBT Project. 2008). Joined as Assistant Professor in Shivaji College (University of Delhi) in 2008. Published several research papers and presented papers in national/ international conferences; Undertaken innovative research project funded by Delhi University (2016-17).</p>						

Administrative Assignments
<p>Teacher-in-Charge, Department of Botany, Shivaji College (2010-11 and 2017-18) Secretary, Staff Association, Shivaji College (2015-18) In-Charge, Garden Committee; Member of Several Committees for College Time Table, Culture & Sports, Roster for teaching posts etc... Organiser / Coordinator of Conferences</p>
Areas of Interest/Specialisation
<p>Molecular Biology, Plant Biotechnology, Genetics, Plant Physiology.</p>
Subjects Taught
<p>Molecular Biology, Plant Biotechnology, Genetics, Cell Biology, Biomolecules, Cell and Molecular Biology, Biology, Plant Systematics etc..</p>
Innovation Project/Research Projects (Major Grants/Research Collaboration)
<p>Project Investigator INNOVATION PROJECT, 2015-16, (SHC 312), Funded by University of Delhi: (Session 2016-17), titled: <i>L- Asparaginase, an antitumor agent: production, characterization & molecular approaches-</i> Successfully Completed.</p>
Publications Profile (Research Papers/Books)
<ul style="list-style-type: none"> ▪ Rashmi Wardhan, V. Prabhavathi, Shivangi Bansal, Deepshikha Singh, Bhavya, Amit Rana, Shrish, Shivani Dutt, Abhishek, Diksha Bisht, Ashutosh Singh, Vibhu Mishra. 2016. Isolation and Identification of Microorganisms with High Activity of L-Asparaginase: Anti Cancer Enzyme. <i>DU Journal of Undergraduate Research and Innovation</i>. 2 (1): 171-179. ISSN-2395-2334. ▪ Prabhavathi V, Kiran Bamel and Seema Talwar. 2015. Polyamines: Role in Transgenic Plants. <i>Contemporary Plant Sciences</i>. 2(1): 4-12. ISSN: 2393-8676. ▪ Seema Talwar, Pamil Tayal, Sanjeev Kumar, Kiran Bamel and Prabhavathi V. 2015. Climate change: A Threat to Biodiversity. <i>Proceedings of the National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges In Indian Perspective</i>, New Delhi, 2-3 March. pp. 84-93. ISBN 978-93-5235-335-4. ▪ V. Prabhavathi. 2014. "Polymerase Chain Reaction". E-Module for Undergraduate Course for NME-ICT in BOTANY, under MHRD Project, Through ILL, University of Delhi. ISSN2349-154X. ▪ V. Prabhavathi and M.V. Rajam. 2007. Polyamine accumulation in transgenic eggplant confers high tolerance levels to multiple abiotic stresses as well as fungal resistance. <i>Plant Biotechnology</i>. 24 (3): 273-282. ISSN 1342-4580 ▪ V. Prabhavathi and M.V. Rajam. 2007. Fungal resistance in eggplant transgenics exhibiting mannitol accumulation. <i>Plant Science</i>. 173 : 50-57. ISSN 0168-9452

- **V. Prabhavathi**, J.S. Yadav, P.A. Kumar and M.V. Rajam. 2002. Abiotic stress tolerance in transgenic eggplant (*Solanum melongena* L.) by introduction of bacterial mannitol phosphodehydrogenase gene. *Molecular Breeding*. 9: 137-147. ISSN 1380-3743
- **V. Prabhavathi** and M.V. Rajam. Enhanced stress tolerance in co-transformants of eggplant containing mannitol-phosphodehydrogenase and arginine decarboxylase genes (under Preparation).
- **V. Prabhavathi** and M.V. Rajam. Development of marker-free transgenic tomato for tolerance to salinity, drought and fungal pathogens. (Under communication).

BOOK CHAPTERS

- Kiran Bamel and **Prabhavathi V.** 2017. Biological Control Methods and Agents. In *Biofertilizers*, Kojo press. ISBN. 978-81-927567-90.
- Seema Talwar, Kiran Bamel and **Prabhavathi V.** 2017. Mobile Phone: A new Environmental Threat. In *Environmental Concerns of 21st Century: Indian and Global Context*. Book Age Publications. ISBN 978-93-83281-65-7.
- Gurjeet Kaur, **V. Prabhavathi**, Kiran Bamel, Maryam Sarwat. 2017. "Phosphate Signaling in Plants: Biochemical and Molecular Approach". In "Stress Signaling in Plants: Genomics and Proteomics Perspective", Vol 2 (Pg.83-110) by Maryam Sarwat, Altaf Ahmad, M. Z. Abdin, Mohamed M. Ibrahim (Ed). ISBN: 978-3-319-42182-7 (Print) 978-3-319-42183-4 (Online). Springer International Publishing.
- **Prabhavathi V** and Sandeepa Singh. 2016. Polyamine: Role In Fungal Resistance. 2nd International conference on Public Health: Issues, Challenges, Opportunities, Prevention, and Awareness: Jawaharlal Nehru University. New Delhi. ISBN-978-93-85822-17-9.
- Sandeepa Singh and **V. Prabhavathi**. 2016. Milestones in Standardization of Agrobacterium-mediated Transformation and Development of Citrus sinensis Transgenics. 2nd International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, and Awareness: Jawaharlal Nehru University. New Delhi. 3 (2): 155-159. ISSN-2350-0263
- Anuradha Mal and **Prabhavathi. V.** 2016. Meditation for Health and Peace. International conference on "Public Health: Issues, Challenges, Opportunities, Prevention, Awareness" Daulat Ram College. ISBN: 978-93-85822-10-0.
- Kiran Bamel, Pamil Tayal and **Prabhavathi V.** 2016. Reproductive Biology for Conservation of Medicinal Plants. In *Medicinal Plants*. Edited by Suresh Kumar, Campus Books International Publications, New Delhi, pp. 93-102. ISBN: 978-81-8030-474-3

Conference/Seminar/Faculty Development Programme/Workshop

- National Seminar on 'Identifying and avoiding publishing in Predatory journals: A lesson for researchers', Department of Botany, University of Delhi, 18th March, 2017.
- Symposium on 'Awareness programme on Intellectual Property Rights', Shivaji College, University of Delhi on 26th September, 2017.
- Conference on "Plant Biotechnology, Molecular Medicine & Human Health" Dept. of Genetics, University of Delhi, South Campus, 18-20th Oct., 2013.
- National Symposium on "Catenanes, Molecular Cell Biology". Shivaji College, Delhi University. 24-25th Nov., 2009,.
- National Symposium on "Biotechnology in the Post Genomic Era", Dept. of Biochemical Technology, Sri Venkateswara College, University of Delhi. 9-10th, April, 2009
- **Organized National Symposium on "Frontiers and Avenues in Plant Sciences" Shivaji College, University of Delhi, 20-21st Jan., 2011 (As Coordinator)**
- Workshop cum Seminar on "Microscopy" for College Teachers, Dept of Genetics, Delhi University South campus. 27th March 2018.
- Workshop cum Training on 'Bioinformatics Training Programme for College Teachers, Sri Venkateshwara College, 27-28th July, 2017.
- National workshop on "Medicinal Botany and Drug Discovery" Ramjas College, 30-31st January, 2017.
- Workshop on "Biofertilizers" Department of Botany, Zakir Husain College, University of Delhi. 14-16th July, 2016.
- Workshop on "Environmental Pollution and Health in Urban Ecosystems". Department of Botany and Department of Zoology in collaboration with Department of Environmental Studies (EPHUE), University of Delhi. 23rd June, 2016.
- Workshop on "Training the Trainees: IPR Workshop" Miranda House, University of Delhi. 15th January, 2016.
- Workshop on "DNA Fingerprinting" Hindu College, University of Delhi. 22nd January, 2016.
- Presented Poster "*L-asparaginase , an antitumor agent: production ,characterization and molecular approaches*" in research display at the convocation ceremony, 2016 ,Organized by university of Delhi on 19th November, 2016
- Presented Poster "*Isolation, identification, purification and optimization of different*

parameters of L-Asparaginase from microorganism Alcaligene faecalis” in Innovation conclave 2016, Nurturing research at UG level, organized by ANDC, University of Delhi, held on 25th -26th October, 2016

- Presented Poster “*Screening, isolation and confirmation of L-Asparaginase from microorganisms in sewage water*” in National Symposium on Trends in Research and Innovation in Life Sciences at undergraduate level at DDU College, University of Delhi, on 30th March, 2015
- Convener of ‘Lab Skill Training Workshop for Laboratory Assistants in Chemical and Life Sciences’ was organized on 10th-14th July, 2017, in shivaji college.
- Resource person in INSPIRE Science Camp, organized by Shivaji College, funded by the Department of Science and Technology, 14th-18th December, 2016
- **Faculty Development Program in Biostatistics:** Theoretical and Practical aspects. DDU College under DBT Star College Scheme. 14 - 18th March, 2018. (5 Days)
- UGC Sponsored Refresher Course on “Environmental Sciences”, Academic Staff Colleges, JNU, New Delhi. 6th April to 1st May 2015. (3 Weeks)
- UGC Sponsored Refresher Course on “Life Sciences/ Biological Sciences/ Bio-informatics”, CPDHE, University of Delhi (South Campus) New Delhi. 25th Feb., to 16th March 2013 (3 Weeks).
- UGC sponsored Orientation Course, Academic Staff Colleges, JNU, New Delhi. 6th Feb. to 2nd March, 2012 (4 Weeks)

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

NA

Awards and Distinctions

- **Young Scientist** Award from the Department of Science and Technology, Government of India for an independent research grant of more than one million rupees) (25 September, 2004 to 24th September 2007)
- Was also selected under **Women Scientist Scheme** project proposal (but opted for Young Scientist award): Project proposal on Development of Brinjal Transgenic Plants Tolerance to Salinity, Drought, and Fungal Pathogens. (2004)
- **Senior Research Fellow**, Council of Scientific and Industrial Research (CSIR), Government of India (Aug., 2002 to May 2004)
- **Best Teacher Annual Award (1992)**, Ratnam Residential College, Andhra Pradesh
- Received **Best Poster** certificate for project titled “*L-Asparaginase, an anti tumor agent: Production, Characterization and Molecular Approach*”, at the Research

Display by the University of Delhi, 19th November, 2016

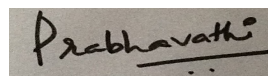
- Received **Certificate of Appreciation** awarded to project '*L-Asparaginase, an anti tumor agent: Production, Characterization and Molecular Approach*' for being selected for research display by University of Delhi on 19th November, 2016
- **Best poster award** for " Isolation ,identification ,purification and optimization of different parameters of L Asparaginase from microorganism Alcaligene faecalis in Innovation conclave 2016, Nurturing research at UG level, organized by ANDC, University of Delhi ,held on 25th -26th Oct. 2016

Memberships

Membership in Delhi University Botanical Society

Other Academic Activities

Cultural/ Extracurricular Activities



Signature of Faculty Member