

CURRICULUM VITAE

Dr. Pallavi Singh

Ph.D. Banaras Hindu University
Faculty, Department of Botany
Maharaja Suhel Dev University
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Teaching experience: 4.8 years
Research experience: 3.8 years

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Professional Summary:

1. Teaching experience (Under-graduate): 4.8 years at **Ramjas College**, University of Delhi.
 2. Worked as Guest Faculty (July- Nov 2018), **Dyal Singh College, Lodi Road, Delhi University**
 3. Worked as Senior Research Fellow in NICRA project titled “Focused collection of germplasm from climatic hot spots in wheat and rice and characterization and evaluation for heat and drought tolerance” under the supervision of Dr. J. C. Rana, Head, Germplasm Evaluation Division, **NBPGR** from 28nd March, 2016 to 31st March 2017.
 4. Ph.D. Thesis on “*In vitro* multiplication of *Stevia rebaudiana*: an antidiabetic plant” at **Banaras Hindu University**, Varanasi (**Degree awarded in 2013**).
 5. Worked as SRF in DBT sponsored project “Management of Network trial for improvement of *Jatropha curcas* through evaluation of diversity and establishment of clonal /seeds orchards & Development of National Database on *Jatropha*” at the **Biotech Park, Lucknow** from September 2013 to March 2014.
 6. Worked as **Project Assistant in the Major Research Project** of UGC entitled “*In vitro* propagation of *Stevia rebaudiana* Bertoni – a future high value sweetener herb” in the **Department of Plant Physiology, Institute of Agricultural Science, B.H.U.** (22 Aug 2008 – 31 March 2011), sanctioned to Dr. P. Dwivedi.
- **Publications in journals: 13**
 - **Abstract in proceedings: 10**
 - **Workshop/ FDPs/ Trainings attended: 09**
 - **Conferences/ Seminars attended: 26**

Publications:

- Yadav Amar Nath, **Singh Pallavi**, Upadhyay Shiva, Tyagi UP, Singh Ashwani Kumar, Singh Pushpa and Srivastava Amit, Amla (*Embllica officinalis*)-Derived Bionanosilver (Ag NPs) for Excellent Antibacterial Activity. *Plasmonics*, <https://doi.org/10.1007/s11468-024-02410-5>, **2024**.
- Pradhan Naveen, **Singh Pallavi**, Dwivedi Padmanabh and Pandey Devendra Kumar, Evaluation of sodium nitroprusside and putrescine on polyethylene glycol induced drought stress in *Stevia rebaudiana* Bertoni under *in vitro* condition. *Industrial Crops and Products*, <https://doi.org/10.1016/j.indcrop.2020.112754>, **2020**.

- **Singh Pallavi** and Dwivedi Padmanabh, Micronutrients zinc and boron enhance stevioside content in *Stevia rebaudiana* plants while maintaining genetic fidelity. ***Industrial Crops and Products***, <https://doi.org/10.1016/j.indcrop.2019.111646>, **2019**.
- **Singh Pallavi**, Dwivedi Padmanabh and Atri Neelam, *In vitro* shoot multiplication and assessment of stevioside content and genetic fidelity in the regenerants. ***Sugar Tech***, DOI 10.1007/s12355-013-0292-z, **2014**.
- **Singh Pallavi** and Dwivedi Padmanabh, Efficient micropropagation protocols of regeneration of *Stevia rebaudiana* Bertoni, an anti-diabetic herb. ***Vegetos***, 26(1), 318-323, **2013**.
- **Singh Pallavi** and Dwivedi Padmanabh, Two stage culture procedure using thidiazuron for efficient micropropagation of *Stevia rebaudiana*, an anti-diabetic medicinal herb. ***3Biotech***, DOI 10.1007/s13205-013-0172-y, **2013**.
- **Singh Pallavi**, Dwivedi Padmanabh and Atri Neelam, *In vitro* shoot regeneration of *Stevia rebaudiana* through callus and nodal segments. ***International Journal of Agriculture Environment and Biotechnology***, 5 (2), 101-108, **2012**.
- **Singh Pallavi**, Singh Kumar Vineet, Pradhan Naveen and Dwivedi Padmanabh, Aushadhiya vansapatiyaun ki kheti awam sanvardhan: ek arthik dristikaun. ***Pragati*** (B.H.U. Varanasi) 1(1), 104-105, **2012**.
- Kumar Prasann, Dwivedi Padmanabh and **Singh Pallavi**, Role of polyamine in combating heavy metal stress in *Stevia rebaudiana* Bertoni under *in vitro* conditions. ***International Journal of Agriculture Environment and Biotechnology***, 5 (3), 193-198, **2012**.
- Yadav Monika, Dwivedi Padmanabh, **Singh Pallavi** and Singh Vineet Kumar, *In vitro* culture protocol of *Tylophora asthmatica*- an anti-asthmatic medicinal herb. ***Indian Journal of Plant Physiology***, 15 (3), 297-301, **2010**.
- Singh Ashwani Kumar, **Singh Pallavi**, Verma Rajiv Kumar, Yadav Suresh, Singh Kedar and Srivastava Amit, An effective approach to study the biocompatibility of Fe₃O₄ nanoparticles, graphene and their nanohybrid composite. ***Applied Nanoscience***, <https://doi.org/10.1007/s13204-018-0678-z>, **2018**.
- Singh Ashwani Kumar, **Singh Pallavi** and Srivastava Amit, Antibacterial Fe₃O₄ nanoparticles: synthesis and characterization. ***Int. Journal of Engineering Research and Application***, 7(8), 32-36, **2017**.
- Singh Ashwani Kumar, **Singh Pallavi** and Srivastava Amit, Improved antifungal activity of ZnO nanoparticles biosynthesized using black cardamom. ***International Journal of Current Advanced Research***, 6 (9), 5855-5858, **2017**.