

# Curriculum Vitae

---

Name : Dr. Poonam Subhash Jaiswal  
Designation : Assistant Professor  
Qualification : Ph.D. (Plant Biotechnology)  
Present address : PG Department of Biotechnology, JSS College of Arts, Commerce and Science (Autonomous under University of Mysore), Ooty road, Mysore, Karnataka 570025.  
Email address : poonamjaiswal2609@gmail.com  
Contact No. : 8208823548

## Academic Qualifications

---

**Ph. D. thesis title:** Identification and characterization of small proteins of guar

Sr. No.	Degree	University/ Board	Subject	Class	Year of Passing
1.	Ph.D.	Indian Institute of Technology-Roorkee, Uttarakhand (IIT-Roorkee)	Plant Biotechnology	-	2018 (October, 7)
2.	M. Sc.	Anand Agricultural University, Anand, Gujarat.	Plant Biotechnology (Specialization) Plant Physiology	First	2011
3.	B. Sc.	R. T. M. Nagpur University, Maharashtra.	Botany, Chemistry, Biotechnology	First	2008

---

## Achievements/Awards

---

1. Awarded **Senior Research Fellowship** by Indian Institute of Technology Roorkee (IIT-Roorkee) (2015-2018).
2. Awarded Junior Research Fellowship by Indian Institute of Technology Roorkee (IIT-Roorkee) (2013-2015).
3. Qualified National Eligibility Test (**NET**) in 2013 in the discipline of Agricultural Biotechnology.
4. Qualified **ICAR-SRF** (PGS)-2013 examination for the award of Senior Research Fellowship (PGS).
5. Qualified Preliminary examination of Agricultural Research Service (**ARS**) -2012 conducted by ICAR (ASRB).
6. Qualified **GATE** (Biotechnology) in 2012.
7. Qualified **ICAR's 13<sup>th</sup> All India Competitive Examination** for Admission to Post-Graduate Programmes and Award of Junior Research Fellowship for the Academic Session 2008-09.

## Publications

---

### Research papers

- **Jaiswal P. S.**, Mittal N., Randhawa G. S. (2018) *Cyamopsis tetragonoloba* type 1 metallothionein (*CtMT1*) gene is upregulated under drought stress and its protein product has an additional C-X-C motif and unique metal binding pattern. *International Journal of Biological Macromolecules*. 119. 1324–1334. doi.org/10.1016/j.ijbiomac.2018.08.027. (**Impact factor: 6.953**).
- **Jaiswal P. S.**, Kaur N., Randhawa G. S. (2019) Identification of reference genes for qRT-PCR gene expression studies during seed development and under abiotic stresses in *Cyamopsis tetragonoloba*. *Crop Science*. 59. 252-265. doi: 10.2135/cropsci2018.05.0313. (**Impact factor: 2.319**).
- C. K. Singh, Sandeep R. Raj, V. R. Patil, **P. S. Jaiswal**, N. Subhash (2013). Plant regeneration from leaf explants of mature sandalwood trees under in vitro conditions. *In Vitro Cell. Dev. Biol.-Plant*. 49 (2).216-222. doi: 10.1007/s11627-013-9495-y. (**Impact factor: 2.252**).
- C. K. Singh, Sandeep R. Raj, **P. S. Jaiswal**, V. R. Patil, B. S. Punwar, J.C. Chavda, N. Subhash (2016) Effect of plant growth regulators on in vitro plant regeneration of Sandalwood (*Santalum album* L.) via organogenesis. *Agroforestry Systems*. 90 (2).281-288. doi: 10.1007/s10457-015-9853-3. (**Impact factor: 2.549**).

### Book publication

**Poonam S. Jaiswal**, Sandeep Raj, R. S. Fougat (2018) Microarray for drought tolerance in rice: Differential gene expression studies for drought tolerance in rice (*Oryza sativa* L.) through microarray. LAP LAMBERT Academic Publishing. ISBN-978-613-9-83838-7.

### Conference/ Abstract publications

- **Poonam S Jaiswal**, Navneet Kaur and Gursharn Singh Randhawa. Identification of reference

genes for real-time PCR gene expression studies in developing seedling of *Cyamopsis tetragonoloba* under nitrogen stress. *Agrotechnology* (2018) Volume 7, pp 132, doi: 10.4172/2168-9881-C2-034.

- Nishu Mittal, **Poonam S Jaiswal**, Santosh Kumar, Gursharn S. Randhawa. Identification and characterization of genes encoding mu, beta, epsilon and sigma subunits of AP-4 complex of *Cyamopsis tetragonoloba* (L.) Taub. pp. 29. 3<sup>rd</sup> Mini Symposium on Cell Biology. 23<sup>rd</sup> May, 2017, National Centre for Cell Science, Pune.

#### **Sequences submitted to NCBI**

- Complete coding sequence for eight genes of *Cyamopsis tetragonoloba*- accession numbers: KU903285, MG873461, MG873462, MG873463, MG009491, MG009492, MG009493 and MG009494.
- Partial coding sequence for nine housekeeping genes of *Cyamopsis tetragonoloba*- accession numbers: MF370613, MF370605, MF370611, MF370607, MF370608, MF370606, MF370610, MF370612, MF370609.