

## **B. File 2 data**

### **Curriculum Vitae**

#### **Amrita Srivastav**

Pune, Maharashtra

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#### **CAREER HIGHLIGHTS**

- Teaching experience as Assistant Professor, Biotechnology Dept, Modern College of Arts Science and Commerce, Ganeshkhind, Pune.
- Teaching experience as Assistant Professor of Botany (against FIP) in Fergusson College.
- Worked as a Project Officer, at Pune University for a UGC project
- Eight years of research experience as a Molecular Biologist.
- In-depth experience of Research in the field of Botany, Biotechnology and Bioinformatics.
- Participated in various seminars in Delhi, Pune and St Louis (U.S).
- Enthusiasm in teaching and presentations.
- Independent, self-motivated and adaptable to new environment. Team Player and excellent communicator.

#### **CORE COMPETANCY**

- Experience in innovative & upcoming technologies in the field of Molecular Biology like RT-PCR, transformation and cloning.
  - In-depth exposure in Bioinformatics in reference to study of motifs in the promoters of genes.
  - Excellent skills in Tissue Culture technology. Establishing a novel protocol to raise Sorghum transgenics through agrobacterium - mediated transformation method.
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#### **PROFESSIONAL EXPERIENCE**

##### **MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE, GANESHKHIND, PUNE**

Appointed Assistant Professor since 3<sup>rd</sup> July'2017

Taught post-graduate students in the **Biotechnology Department**: Cell Biology, Molecular Biology, Plant Biotechnology, Agricultural Biotechnology and Bioinformatics.

Guided 4 MSc students for their research project.

## UNIVERSITY OF PUNE: PROJECT OFFICER UGC

2nd Feb'2015 -30<sup>th</sup> June'2017

e-PG Pathshala program by UGC, Gov. of India.

**ASSISTANT PROFESSOR AT FERGUSSON COLLEGE, PUNE (under FIP) Aug' 2013 – JAN' 2015.**

Teaching the undergraduates in the Botany Department: Molecular biology, Evolution, Cell Biology and Genetics. Post –graduates: Gene Expression, Genetics, Cell biology, Bioinformatics. Voc- biotech students: Plant Biology and Environmental biology. Guided 4 MSc final year students for their research project.

**FERGUSSON COLLEGE, PUNE, INDIA** Guest Lecturer (2011)

**SAVITRIBAI PHULE PUNE UNIVERSITY, INDIA** Research Scholar (PhD) (2008 - 2011)

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## PUBLICATIONS

- **Over-represented promoter motifs in abiotic stress-induced DREB genes of rice and sorghum and their probable role in regulation of gene expression.** Plant Signaling & Behavior 5:7, 110. (Impact factor 2.9) **Amrita Srivastav**, Sameet Mehta, Angelica Lindlof and Sujata Bhargava (2010)
- **Polyamines and Their Metabolic Engineering for Plant Salinity Stress Tolerance.** Springer, Cham. Salinity Responses and Tolerance in Plants, Volume 1, 339-358 T Khare; **Amrita Srivastav**; S Shaikh; V Kumar (2018)
- **A critical review on Nepal Dock (*Rumex nepalensis*): A Tropical Herb with Immense Medicinal Importance.** Asian Pacific Journal of Tropical Medicine S Shaikh, V Shriram, **Amrita Srivastav**, and V Kumar (2018)
- **Systems Biology Approach for Elucidation of Plant Responses to Salinity Stress.** Springer International Publishing AG, part of Springer Nature 2018 V. Kumar et al. (eds.), Salinity Responses and Tolerance in Plants, Volume 2, [https://doi.org/10.1007/978-3-319-90318-7\\_13](https://doi.org/10.1007/978-3-319-90318-7_13). **Amrita Srivastav**, T Khare, and V Kumar
- **Oxidative stress and leaf senescence: Important Insights** V Kumar, T Khare, **Amrita Srivastav**, C Surekha, V Shriram and S.H. Wani (2018)

## EDUCATION

Degree	Subjects	Institute	Year	Marks / Grades
PhD	Botany	University of Pune, India.	2011	Expertise in Molecular Biology and Biotechnology
MSc.	Botany	University of Delhi, India.	2005	67%
BSc.	Botant(H)	Miranda House, University of Delhi, India.	2003	75%

## **SYNOPSIS / SEMINARS ATTENDED**

- DAE-BRNS Life Sciences Symposium “Frontiers in Sustainable Agriculture” (2018)
- International conference “Recent trends in life sciences” PES’s Modern College of Arts, Science and Commerce, Ganeshkhind, Pune (2018)
- Science Academies’ Lecture Workshop on “Understanding and exploring the interfaces between biology and biotechnology” (2017)
- Seminar “Advances in plant biotechnology” Fergusson College, Pune (2016)
- 12th World Congress of the IAPB (International Association for Plant Biotechnology) “Sustainability through agricultural biotechnology: food, biomaterials, energy and environment.” St Louis, Missouri, USA. (2010).
- Poster presentation at Gordon Research Conference “Salt and Water Stress in Plants, from Molecules to Crops” Switzerland (2010).

## **AWARDS & SCHOLARSHIPS**

- Received PhD. Fellowship for four years (2006-2010) from The Department of Biotechnology (DBT) Govt. of India.
- Recipient of several “Certificates of excellence” in sports and quiz competitions.

## **CONTACT DETAILS**

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