



**Name:** Mrs. Savita Ajit Patil

**Date of Birth:** 05.05.1993

**Position/Designation:** Research Assistant,  
ICAR-Directorate of Floricultural Research, Pune  
since 01.01.2018

**Residential Address:** Dattawad, Tal: Shirol, Dist: Kolhapur, Pin: 416107

**Previous Job** : Research Associate at Bioreinventors LLP, Pune

**Discipline and Specialization** : Biotechnology

RNAi, Genetic transformation, DNA fingerprinting, Marker assisted selection, Biochemical and Molecular techniques, Phytochemical study, scanning Electron Microscopy.

**Awards/honours/additional qualifications**

- Training in Computer Aided drug Designing (CADD) and Next generation Sequencing (NGS), bioinformatics.

**List of publication in international and national journal**

- 1) Research paper on "**design of novel laccase enzyme for dye degradation**" was published in SSRG-international journal of communication and media science, volume 6, ISSU 3, 2019.
- 2) Research Paper on "**Ability to select PGPR strains to remediate organophosphate pesticides commonly used in agriculture**" was published in Global Scientific Journal, Volume 7, Issue 12, December 2019
- 3) Research paper on "**Potential leads for development of new ant malarial drugs**" was published in international journal of emerging technologies and innovative research, volume 6, ISSU 6, June, 2019.
- 4) Phadke Monika Vilas, A. C. Jadhav, M. C. Dhavale, S. N. Hasabnis, A. P. Gaikwad, P. R. Jadhav and Patil Savita Ajit 2020. **Molecular Diversity among Wild Edible Oyster Mushroom (*Pleurotus* spp.) from Western Ghat of Maharashtra.** *Int.J.Curr.Microbiol.App.Sci.* 9(11): doi: <https://doi.org/10.20546/ijcmas.2020.911>
- 5) Phadke Monika Vilas, Dr. Jadhav AC, Dhavale MC, Dr. Hasabnis SN, Dr. Gaikwad AP, Dr. Jadhav PR and Patil Savita Ajit, **Effect of cultural variability on mycelial growth of eleven mushroom isolates of *Pleurotus* spp., Journal of Pharmacognosy and Phytochemistry**, E-ISSN: 2278-4136 , P-ISSN: 2349-8234, [www.phytojournal.com](http://www.phytojournal.com), JPP 2020; 9(67)
- 6) Mandale Ajit, Patil Savita Et al, "**Effect of liquid formulations of *Rhizobium* inoculation on growth and yield of Mung bean**" *Journal of Pharmacognosy and Phytochemistry* <http://www.phytojournal.com> **Phyto:** 9-5-649
- 7) Abstract of research Project accepted by International Conference on Trends in Plant

Sciences and Agrobiotechnology-2019 (ICTPA2019) and 40th Meeting of Plant Tissue Culture Association-India (PTCA-I), February 14-16, 2019, at Indian Institute of Technology Guwahati, Assam, India

- 8) Kavar PG<sup>1\*</sup>, Patil S<sup>1</sup>, Jadhav P<sup>1</sup> et al “**Morphological, Phytochemical and Antioxidant Potential Estimation of Chrysanthemum flowers: A Latent Source for Better Human Health**”, <sup>1</sup>ICAR-Directorate of Floricultural Research, Shivaji Nagar, Pune-411005, Maharashtra, India.<sup>2</sup>ICAR-National Research Centre for Grapes, Solapur Road -412307, Maharashtra, India.
- 9) Prashant Kavar, Pritam Jadav, Savita Patil et al, **Morphological Evaluation and SRAP Based Genetic Diversity Analysis of Gladiolus Cultivars Suited for Indian Conditions**, Current Research in Biotechnology, 2019.

Popular articles: 5

Abstracts published in seminar/conferences: 4

#### Academic profile

| Name of the Exam                          | Name of the Board/University               | Percentage obtained | Class obtained               | Year of passing |
|-------------------------------------------|--------------------------------------------|---------------------|------------------------------|-----------------|
| Master of Science (Biotechnology)         | Savitribai Phule Pune University           | CGPA:8.4            | First class with distinction | 2017            |
| Bachelor of Science (Biotechnology)       | Shivaji University, Kolhapur               | 79.19%              | First class with distinction | 2015            |
| Higher Secondary Certificate Examination. | Maharashtra State Board, Kolhapur division | 60.67%              | First class                  | 2012            |
| Secondary School Certificate Examination. | Maharashtra State Board, Kolhapur division | 79.79%              | First class with distinction | 2010            |

#### National and International training

- One week International online training on “Recent Physio-Molecular Digital Tools in Abiotic Stress Management for Crop Modeling” during 29th June to 3rd July, 2020.
- ‘Bioinformatics tools and techniques for sequence analysis and molecular docking’ (6 days) at Bioinformatics centre, Pune

#### Workshop

- Workshop on gene editing for enhancing plant productivity and stress tolerance organised by Society for Plant Biochemistry and Biotechnology and ICAR-IIRR, Hyderabad (2019)
- Awareness workshop on issues related to GM crops organised by State Level Biotechnology Centre, MPKV, Rahuri and BCIL New Delhi (2019)
- Workshop on impact analysis for Floriculture-technologies in research, education and extension organised by ICAR-DFR, 2018

**National and international conference**

- Participated in national conference of integrative Plant Biochemistry and Biotechnology held at IIRRHyderabad in 2019
- Participated in international conference on Nutraceuticals and functional foods- the challenges and opportunities held at Anand, Gujrat in 2016
- Participated in the seminar on 'Bioinformatics and Data Mining' held at Navsari in 2010.
- Participated in National Conference of Plant Physiology on 'Physiological and Molecular Approaches for Crop Improvement under Changing Environment' held at Varanasi in 2010
- Participated in International conference named 'Third Golden Era of Microbiology' held at Pune in 2009.

**Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge.Date:

03/09/20.

Place: Pune.

**Savita Ajit Patil**