

Dr. Raval Prachi Pratap

Associate Professor and Head of Botany Department

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Teaching Experience – 28 Years

Research publications –

1] Study on Fungi causing Post-harvest loss of fruits from Pune. Research Journey –Jan.2019, pg. 80-82.

2] Analytical study of pectinolytic enzymes of four fungi causing post-harvest spoilage of fruits by Poly-acrylamide gel electrophoresis. National conference on chemical sciences An interdisciplinary approach, 18-20th Jan. 2018 CSIA-2018.

3] Cultivation of *Pleurotus sajor-caju* on rice-husk. National Conference on conservation of natural resources & bio-diversity for sustainable development. (NCCRB, 4-6Dec2016 Devrukh, Ratanagiri)

4] Planning for environmental sensitive area case study of Mahabaleshwar National seminar on “ Immortal cities: Past and future concepts Changing Morphology and sustainability “ 23-24 April 2014 ISPER, Panchkula. Abstract published in proceedings.

5] Fungal diversity of fruits and vegetables Markets of Pune. Abstract, pg. 28-29. National conference on Current prospects and challenges in life sciences New Arts, Commerce and Science College, Ahmednagar-414001. (CPCLS-2013).

6] Estimation of sugars in infected fruits by high performance chromatography No. 2010 xxxii conference of Indian Botanical Society and International symposium on the new horizons of Botany pg. 199 Shivaji University.

7] The genus *Fusarium* an ubiquitous genus. 21st API scientist meet 2012 and National Conference on “Recent trends in Plant Sciences” 3-5 Feb.2012 T.C. College, Baramati.

8] A new storage disease of drumstick (1992) Jr. Ind. Bot. Soc. Vol.71, 301-302.

9] Three un-described post-harvest diseases of fruits from Maharashtra. (1992) Jr. Econ. Tax. Bot. vol.16 No. 1.

10] A few new and noteworthy post-harvest diseases of fruits from Maharashtra. Bio-vigyanam, vol.17, No. 1, 1991.

11] New post-harvest diseases of fruits from Maharashtra. Proceedings of the 77th Indian Sci. Congress, Madurai, 1989.

Organisation of workshops –

1] Syllabus reframing of F.Y.B.Sc. and S.Y.B.Sc. for twice as per Savitri-bai Phule, Pune University guidelines. (F.Y.B.Sc. 1995 & S.Y.B.Sc.2008)

2] “Bio-functionalization of nano-particles for anti-cancer activity” for wet-lab championship with Shaastra event of IIT Madras on 13th & 14 December - 2019

Attended workshops - 1] Instrumental methods of Bio-chemical analysis by MACS Agharkar Research Institute, Pune-4 on 6th April 2018.

2] “Taxonomy, Bio-diversity, Ex –situ conservation & application of Fungi” conducted by NFCCI – A DST national facility center. (10days) National level.

3] Attended a one day work-shop on “Patent –an Important area to know” by Department of Biotechnology, Modern College, Ganeshkhind, Pune-16. 29th Jan.2019.

4] National workshop on “ Taxonomy, Biodiversity, Ex situ Conservation and Applications of Fungi” by Agharkar Research Institute. Pune-4 on 21st -28th 2018.

5] Attended three day workshop on “Understanding and exploring the interfaces between Biology and Biotechnology” 1-3 Nov.2017.

6] Attended two day workshop on “E-content development as learning resources to enrich teaching learning” on 26& 27 April2019 by Modern College of Arts, Science & Commerce, Gk, Pune-16.

Attended Seminars and Conferences

1. Dr. Prachi Raval

1] Indo-Sri lanka International Webinar on Global trends in Algal Research organized by Moratuwa Research Institute of Environmental Restoration, Biomass Valorisation & Sustainability on 8- 9 th March 2021.

2] XLIII All India Botanical Conference of the Indian Botanical Society at CSIR-National Research Institute, Lucknow on 19 -21 March 2021 on “ Sustainable Development of Plant Resources Conservation of Threatened Plants in Botanic Garden”.

3] Attended Five day FDP on “**e-content development for online teaching**” organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune, from 25 – 30th June 2020.

1] Attended two days state level seminar on “Advances in Botanical Sciences” by B. Gholap College, Sangavi, Pune-27 on 20th & 21st 2019.

2] Attended State level Conference on Innovative teaching pedagogy, 22 & 23 February 2019.

3] Attended International Conference on Recent trends in life Sciences ICRLS-2018. on 2nd & 3rd February 2018.

4] Attended state level seminar on “ Role of Mathematics in life sciences” 6-7 Feb. 2012.

5] Co-chaired a session in National symposium on 18-20 Feb 2008 on Emergence of Modern Techniques & Development bio-business.

Outreach Activities organised for students :

“Online intercollegiate poster competition on wetland and water” on occasion of world wetland day 2021 on 2nd February 2021 for UG students (100 students)

Attended FDP on “Patent- an important area to know by Department of Bio-technology Modern College of Arts, Science and Comm., Ganeshkhind, Pune 16 **Attended refresher courses** on Plant Genetics and Environmental science by SPPU.

Area of Interest - Mycology, Plant Pathology and Plant Diversity

Active participation in syllabus framing of F.Y. and S.Y.B.Sc. Courses.

- Always pay attention to teaching and completion of entire syllabus by referring international journals.
- Encourages students for doing projects.
- Educating science to students is not only profession but is an objective for prosperity of nation.

Organisation of study tours/ local visit in institutes for F.Y.B.Sc to T.Y.B.Sc.

