



Dr. Raval Prachi Pratap

Associate Professor and Head of Botany Department

Mail Id – prachi.rawal@moderncollegegk.org

(M) -9960030891

Teaching Experience – 28 Years

Ph.D. Awarded in 1993 from Agharkar Research Institute, (M.A.C.S.) Pune 4.
(Fellowship was awarded by C.S.I.R. for research)

Recognition by SPPU for teaching P.G. courses of B.Sc.

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 xxxii conference of Indian Botanical Society and International symposium on the new horizons of Botany Nov. 2013 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.

Organized workshops on --

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

2] “Bosai preparation” for B.Sc students in 2016

3] “ Ikebana flower arrangement “ for B.Sc. students in 2014.

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

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] Attended two days state level seminar on “Advances in Botanical Sciences” by B. Gholap College, Sangvi, 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.

6] Attended FDP on “Patent- an important area to know by Department of Biotechnology Modern College of Arts, Science and Comm., Ganeshkhind, Pune 1

Attended Orientation and refresher courses on Plant Genetics and Environmental science by SPPU.

Organization of study tours/ local visit in various laboratories and Research Institutes e.g. Botanical survey of India, polyhouse college of agriculture, Pune, Horticulture Institute, Aundh etc. for F.Y.B.Sc to T.Y.B.Sc

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 research papers from international journals and reference books.
- Encourages students for doing projects.
- To develop environmental approach amongst students.

