

Swapna P. Kalbende

**Assistant Professor & Head,
Department of Botany
Mahatma Jyotiba Fule Commerce, Science and
Vitthalrao Raut Arts College, Bhatkuli,
Dist. Amravati, India.**

E-mail: kalbendeswapna@gmail.com 📞: +91-9595161899



Objective: To achieve the professional excellence with positive attitude & desired career growth by using basic research experience to build future career that leads to innovative technology.

Education:

- 2015 : **Ph.D.**, Department of Botany, **Hislop College**, R.T.M. Nagpur University, Nagpur, India.
- 2007 : **B.Ed.**, **Gandhigram College**, Wardha, affiliated to Mumbai University, India.
- 2006 : **M.Sc.**, Department of Botany, **Jankidevi Bajaj College of Science**, Wardha, affiliated to R. T. M. Nagpur University, Nagpur, India.
- 2004 : **B.Sc.**, **Jankidevi Bajaj College of Science**, Wardha, affiliated to Nagpur University, Nagpur, India.

Work Experience:

- 2016-Till date : Assistant professor, Department of Botany, Mahatma Jyotiba Fule Commerce, Science and Vitthalrao Raut Arts College, Bhatkuli, Dist. Amravati
- 2010-2012 : Contributory Lecturer on P.G. Department of Botany, Hislop College, R.T.M. Nagpur University, Nagpur, India.
- 2009-2010 : Contributory Lecturer on Junior College and P.G. Department of Botany, Jankidevi Bajaj College of Science, Wardha, India.
- 2007-2009 : Lecturer on Gandhigram B.Ed. College, Wardha, India.

Experimental Methods:

I am experienced in using the following experimental techniques:

Aeromycofloral studies, Phytochemistry, Antimicrobial activity, Mycological biodeterioration of cellulose.

I am also acquainted with **Laminar air flow, Autoclave, Incubator, pH meter, Light Compound Microscope, UV- Visible Spectrophotometer.**

I am focusing on the advance aspects of FT-NIR Spectrophotometric analysis, FTIR, Tissue Culture, HPLC and HPTLC.

Field of Research:

Title of Research:

“An Investigation of College Library Fungal Flora of Wardha City (M.S.)”.

Research Publications:

1. Incidence of deteriorating fungi in the air inside the college libraries of Wardha city. *Scholars research library journal, Archives of Applied Science Research*, 3(5):479-485, 2011. Lalchand Dalal, Mousumi Bhowal and **Swapna Kalbende**
2. The monitoring of airborne mycoflora in the indoor air quality of library. *Scholars research library J. Nat. Prod. Plant Resour.*, 2(6):675-679, 2012. **Swapna Kalbende**, Lalchand Dalal, Mousumi Bhowal
3. Diversity of Fungal species found in different College Libraries of Wardha city during the rainy season. *Plant Science for Sustainable Agriculture and Rural Development*, Daya Publishing House, New Delhi, Page No. 177-183, 2012. Dalal L.P., Bhowal M., **Kalbende S.P.**
4. Physico-chemical Assessment of Water Quality of River and the Hydro-biological Study of Algae. *International Journal of Scientific & Engineering Research*. Volume 4, Issue3, March-2013. Dalal L.P., **Kalbende S.P.**, Nisal R.S.
5. Antifungal Activity of Aqueous Plant Extracts against Some Book Deteriorated Fungi. *International Journal of Engineering Science and Innovative Technology (IJESIT)*, 2(6):136-139, 2013, **Swapna Kalbende**, Lalchand Dalal
6. Effect of plant extracts on book deteriorated fungal species. *Natural Product Research*, Taylor & Francis, 2016, **Swapna P. Kalbende**, Lalchand P. Dalal
7. Fungal Biodiversity of a Library and Cellulolytic Activity of Some Fungi, *Indian J Pharm Sci* , 78(6):849-854, 2016, **P. K. Swapna**, P. D. Lalchand
8. Study Of Fungal Air Abundance, Diversity In Indoor Environment Of College Library, *ICRTST* , 614-618, 2018, **S. P. Kalbende**
9. Bio-Coal Made from Agricultural Residue, Available in Vidarbha Region of Maharashtra State, India, A Low Carbon Energy Source: A Review, Swatidhan Publications, *Research Journey, International E- Research Journal (SJIF)*, 33-38, 2019, **S. P. Kalbende**, R. B. Pedhekar

10. Algal Bio-Diversity of Pedhi River of Amravati District, Maharashtra, India, *International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)*, Page No.- 413-417, 2020, **Swapna P. Kalbende**
11. Effect of *Callistemon citrinus* (Curtis) Skeels on the growth of *Aspergillusniger* and *Aspergillus fumigatus*, *International journal of Multidisciplinary Educational Research (IJMER)*, Page No.-104-107, 2020, **Swapna P. Kalbende**
12. Phytochemistry and Pharmacological activities of *Caesalpinia crista* L: A Review, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 12(4): 51-59, 2021, Smita P Gudadhe, Ahmad L Shaikh, Dnyaneshwar L Maske, **Swapna P Kalbende**, Pawan P Kalbende, Varsha S Dhoran, and Mithun S Lunge

Presentation in Conferences:

1. The monitoring of airborne mycoflora in the indoor air quality of library. One Day National Seminar on “Recent Trends in Bio-Geo Sciences” held at Shri. M. Mohota College of Science, 14th October - 2010, Nagpur.
2. Diversity of Fungal species found in different College Libraries of Wardha city during the rainy season. National Conference on Frontiers of Plant Sciences for Sustainable Agriculture and Rural Development 28-29th January, 2011 at Dept of Botany, Arts Science and Commerce college, Naldurg, Tq. Tuljapur, Dist. Osmanabad (M.S.) Affiliated to Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
3. Fungal biodiversity of College Library and Cellulolytic activity of some Fungi. International Conference, World Congress for Man and Nature on Global Climate change and Biodiversity Conservation 11-13th November 2011, Haridwar.
4. Aero mycological investigation in the intramural air environment of college library, XX National Conference of Aerobiology, Department of Botany, SGBAU, Amravati, 29-31st 2018.
5. Study of fungal air abundance, diversity in indoor environment of college library, International conference on Recent trends in Science and Technology, S.S.S.K.R. Innani Mahavidyalaya, Karanja (lad), Dist- Washim, 22-23rd November 2018.
6. Bio-coal made from agricultural residue, available in Vidarbha region (MS), India, National Conference on Emerging Trends in Science, Vidya Bharati Mahavidyalaya, Amravati, 1-2nd February 2019.

7. Seasonal variation of indoor aeromycoflora of college libraries, National conference on innovative research in science and technology, Shri Shivaji Science College, Amravati, 17-18 dec. 2019.
8. Ecological studies of isolated fungi from indoor environment of libraries, International Web Conference on Science, Engineering & Technology (IWCSET-2020), Society for Technologically Advanced Material of India (STAMI) 15-16 May, 2020
9. Variation and Distribution of Algae in Pedhi River of Bhatkuli Region, Dist. Amravati (MH), India, International Conference on Innovative Trends in Natural and Applied Sciences – 2021 (ICITNAS – 2021) organized by Mahatma Gandhi College of Science, Gadchandur, Tah. Korpana, Dist. Chandrapur, India on 17 -18 August, 2021.

Book Chapter Publications:

1. The Consequences of Covid-19 Pandemic on Indian Education and The Way Forward, 166-174, Effects of the Covid-19 on Current Education System in India, Editor-Dr. Anil M. Tirkar & Dr. Wasudeo D. Golait Publisher- Shri Ganesh Raut (Om Sai Publisher & Distributors)
2. A text Book of Botany, B.Sc. I (Sem II), Gymnosperm, Morphology of Angiosperms and Utilization of Plants, Editor-S.M. Sukalkar Publisher-S.D. Sukalkar, Dnyanpath Publications, Amravati

Participation in Conferences:

1. Participation certificate in 97th Indian Science Congress which was held at Thiruvananthapuram, 3-7 January 2010, Kerala, India.
2. Participated in Motivational Workshop on “Techniques in Taxonomy: Classical to Molecular Approach”, 30th - 31st March 2012, Shri Mathuradas Mohata College of Science, Nagpur.
3. Participation certificate in 100th Indian Science Congress which was held at Calcutta University, 3-7 January 2013, Kolkata, India.
4. International E-Conference organized by Govt. Vidarbha Institute of Science and Humanities, Amravati, 15th-17th May, 2020.
5. Participation in Two Days National E-Conference on Interdisciplinary Recent Research Trends organized by Shri. R.R. Lahoti Science College, Morshi, 3rd & 4th July, 2020.
6. Participation in International E- Conference on Recent Advances in Chemical, Physical and Biological Sciences organized by Nabira Mahavidyalaya, Katol & ACT & TIFR, Mumbai, 29th-30th June 2021.

Participation in Orientation/Refresher:

1. 42nd Orientation Program, UGC, H.R.D.C., S.G.B.A.U., Amravati, 02/07/2018 to 31/07/2018
2. Refresher Course in Life Sciences (Botany), UGC, H.R.D.C., S.G.B.A.U., Amravati, 07/01/2020-20/01/2020
3. Refresher Course in Life Sciences, UGC, H.R.D.C., R.T.M. Nagpur University, Nagpur, 05/09/2022-17/09/2022

Co-Curricular:

Women Program officer in NSS from academic year 2017-18 to 2020-21.