

Bio-data

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Academic Qualifications (University/College from where attained, year of passing, class, Thesis title etc.)

Degree	College	University	Year	Subjects	Percentage
B.Sc	KANMS College, Satana Dist: Nashik	Savitribai Phule Pune University, Pune	2005	Botany	81.00
M.Sc	Department of Botany, University of Pune	Savitribai Phule Pune University, Pune	2007	Botany	67.50
Ph.D	Department of Botany, University of Pune	Savitribai Phule Pune University, Pune	2010	Botany	-

Ph D Thesis Title: "Hypoglycemic Effect of medicinal mushroom *Phellinus*." Under the guidance of Late Prof. J. G. Vaidya and Prof. V. S. Ghole during Sep 2007 – Oct 2010.

Research Guideship: Recognized research guide for Botany of Savitribai Phule Pune University, Pune

Publication Details:

Reference book Article:

Sr. No.	Name of Authors	Name of Book	Publisher	Edition	Year
1	J.G.Vaidya,Bhosle S.R, Bapat Gauri, H.B.Sonawane	Recent progress in Medicinal Plants, Drug Plants I	Studium Press	27	2009

Patent:

“A Novel mushroom based additive for poultry and animal feed for enhancing the growth and health”.2014/Mum/2015, CBR 8038 (Applied).

Research papers (presented/published)

1. Antimicrobial Activity of Terpenoid Extracts from *Ganoderma* Samples. Shekhar R. Bhosle, Jitendra G. Vaidya, Sandhya A. Garad, Hiralal B. Sonawane, *International journal of Pharmacy and life science*, 1(4): 234-240, August 2010.
2. Ergosterol Content of Several Wood decaying Fungi Using a Modified Method. Shekhar R. Bhosle, Sandhya A. Garad, Hiralal B. Sonawane, Jitendra G. Vaidya, *International journal of Pharmacy and life science*, 2(6): 916-918, June 2011.
3. *In vitro* Evaluation of Sesquiterpenoid Extracts of *Phellinus* Samples from Western Ghats of Maharashtra for Antimicrobial Activity. Hiralal B Sonawane, Shekhar Bosle et al, *Journal of Phytology*, 3(6):35-37, 2011.
4. Antioxidant Activity Of Folk Medicinal Mushroom ‘Phansomba’ From Western Ghats Of Maharashtra (India). Hiralal Sonawane, Vaidya J.G, Garad S. A, Bhosle S.R. 2011. *Journal of phytology research*.
5. Antimicrobial activity of some species of *Phellinus* and *Ganoderma* from Western Ghats of India. November 2012. Sonawane H. B, Bhosle S.R, Garad S.A. *International J of Pharmaceuticle and Research*
6. Antifungal and Antibacterial Activity of *Phellinus* Samples from Western Ghats of India.
7. Hiralal B. Sonawane, Asghar sharifi, Shekhar R. Bhosle, Sandhya Garad, Gauri Bapat. Jan 2013. *Journal of Pharmacy Research*.
8. Sonawane H.B, Shekhar Bhosle, Gauri Bapat, Sandhya Garad, Vikram Ghole.“Bioactive Metabolites and Compound from Medicinal Mushrooms”, *International Journal of Scientific & Engineering Research*, Volume 4, Issue 6, June-2013, 304-315.

9. Hiralal Sonawane, Bapat Gauri, Bhosle Shekhar, Ghole V. S. Antimicrobial activity of *Phellinus* and *Ganoderma* samples against human pathogenic organisms. Journal of Pharmacy Research 2014,8(7),1008-1013.
10. Hiralal Sonawane, Shekhar Bhosle, Gauri Bapat, Ghole Vikram. Pharmaceutical metabolites with potent bioactivity from mushrooms. Journal of Pharmacy Research 2014,8(7),969-972.
11. Sonawane H.B, Adhav Rahul, Deokule S.S. A REVIEW ON DNA SEQUENCING Yesterday, Today and Tomorrow. International Journal of Current Research. Vol. 8, Issue, 01, January, 2016, pp.24836-24845.
12. Sonawane HB and Shinde BM. Significant Potential Of Medicinal Mushrooms In Immunomodulation. International journal of researches in biosciences, agriculture and technology. Vol. VI (Special Issue 2), Feb 2018 : 138-140.
13. Sonawane H.B 2018. Cl₂ GAS SENSING PROPERTIES OF Ag-SENSITIZED TiO₂ FILMS PREPARED FROM BIO-INSPIRED NANOCRYSTALLINE TiO₂. International Journal of Chemical and Physical Sciences.

Paper presented in Conferences:

1. Presented paper entitled Bioprospectus of Phansomba as a Folk Medicine from Western Ghats of Maharashtra. In International Conference on “Current trends in Medicinal Plant Research”. Department of Botany, University of Pune. Jan 2012.
2. Participated in workshop “Phytochemical analysis of therapeutically active constituents of pharmaceutically important medicinal plants” at Department of Botany, University of Pune, Pune, MS, Jan 2012.
3. Poster presentation in Conference “Emergence of modern techniques and development in biobusiness” on topic “Effect of medicinal mushroom biomass on the growth performance of Broilers”, Feb 18th – 20th, 2008. Modern college of Arts, Commerce and Science, Pune, MS.
4. Presented paper in International Conference On “Biodiversity And Its Conservation”, Modern college of Arts, Commerce and science, Pune. Jan 2011.
5. Participated in National Conference on “Recent Trends in Plant Sciences”, T. C. College, Baramati, Pune, Maharashtra 2012.

6. International conference on “Innovation in Energy, Polymer and Environment Science” at Yashvantrao Chavan Institute of Science, Satara “Microbial Enzymes and Bioremediation of Pollutants” Oral Presentation, 10th – 12th January 2014.
7. International conference on “Environmental conservation by adopting new technologies” topic entitled “Enzymes role in bioremediation of toxic pollutant” at Modern college of Arts, Science & Commerce, 28 & 29 January 2014.
8. State level Seminar on “Recent trends in plant science” at Pune District Education Association’s Baburaoji Gholap College Sangvi, Pune. 9th January 2015.
9. One day state level seminar on Cultivation of button mushroom at PDEA,s Waghire college Saswad college.
10. International conference on Natural resource management and sustainable agriculture at New Art’s, commerce and science college, Parner, 20 and 21 January 2017.
11. Presented Paper in National conference in life science at PDEA,s Waghire college Saswad college on future of medicinal mushrooms; 07 february 2018.

RESOURCE PERSON:

12. Worked as a resource person at State level seminar on recent trend in physical chemical and life sciences for make in India organized by Amruteshwar college, Vinjar, Pune. 01.02.2018.
13. Worked as Resource person at Wadia College for ‘Botanica’ Competition on 24/01/2018

Awards:

1. Awarded “Research Fellowship” in Department of Botany University of Pune funded by University of Pune, 2008.
2. Awarded as “Meritorious Fellow” in Department of Botany University of Pune funded by University Grant Commission, New Dehli, 2009.
3. Worked on the project of “Immunomodulatory Effect of Medicinal Mushrooms Extracts on Poultry Bird”, under guidance of late Prof J G Vaidya and Dr Ajit Ranade (Bombay College of Veterinary Science).
4. Awarded with “**Best Teacher Award**” 2016 at Pune District Education Association;s Anantrao Pawar College, Pirangut, Tal: Mulshi, Dist: Pune.

Research Project:

- Board of College University Development, Savitribai Phule Pune University, Pune. 2015-2017. Title: “Isolation and characterization of secondary metabolites from Mangroove”. Date of Sanction- 01.03.2015 amount sanctioned Rs.- 1,65,000/- (Completed)
- Board of College University Development, Savitribai Phule Pune University, Pune. 2018. Isolation and Validation of Biochemical Constituents of Puff Ball Fungi. Amount Rs: 300000/-.
- Rajiv Gandhi Science and Technology Mission, Mumbai, Title: Survey and Ethnobotanical study on fungi from Western Ghats of Maharashtra. 2017; Amount Rs: 20,00,000/- (Applied)

Professional & Administrative Experience:

- Institutional animal ethical committee for CPCSEA Ministry of environment and forest (Animal welfare division) in “Konkan gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute” Karjat, Mumbai 410201.
- Associate expert in Ecology and Biodiversity for Environment consent at NABET SGM consultancy, Pune.

Summary of my research co-workers (Ph. D. Students under my guidance):

1 Mr. Sunil Bhagat (NET CSIR) is working for his **Ph.D.** degree on "Wood Rotting Fungi from Madhe Ghat". We have collected about 50 specimens, amongst this 40 species were identified based on their morphology, while few were studied for cultural behavior and Molecular phylogeny.

2. Mr. Manohar Gawit (Assistant Professor, NET) is working on Molecular phylogeny and Morphology of Aphyllophorales from Dang forest of Western Ghats of Maharashtra.

Prof. Dr. Sonawane H.B

Signature