



# Saraswathi Vidya Bhavan's College of Pharmacy, Dombivli.



Recognized by AICTE & PCI, New Delhi, DTE and Affiliated to University of Mumbai & MSBTE

## Faculty Profile

### Ms. Sohani Solanke

M.Pharm. (Pharmacognosy)

Designation: Assistant Professor

#### Professional Experience:

Academic 9 Years



#### Professional affiliations

Registered pharmacist,  
Pharmacy Council of India.

#### Achievements

Winner (co-author) for presentation at national level conference  
Trends in Natural Research Products, NPR 2011, 48.

#### Projects

- Development & Evaluation of Surgical Sutures from *Agave americana* & *Musa paradescica*
- Synbiotic Formulation

#### Core competency area

Herbal drug formulations, Identification, Extraction, Standardization of Phytoconstituents, Nutraceuticals.

#### Students guided

UG: 50

#### Books

1. Textbook of – Dr. Kochar's Pharmacy Practice, Brillion Publishing, New Delhi, August 2024

#### Research publications

1. Development and Evaluation of Surgical Sutures from *Agave americana* Var. *amricana*; American journal of Pharmatech Research; Manuscript no. AJPTR-2732; (Nov 2018); Vol 8 Issue 6: 114-125.
2. Phytochemical Information and Pharmacological Activities of Eggplant (*Solanum Melongena* L.): A Comprehensive Review. East African Scholars Publisher Journal of Pharmacy Pharmacology, (Sept-Oct, 2019); Vol. 1 Issue 5: 103-114. Review Article DOI: 10.36349/EASJPP.2019.v01i05.001 .
3. Novel use of Sucrose cocoate as surfactant in formulation and evaluation of herbal liquid soap; World Journal of Pharmacy and Pharmaceutical Sciences; (Sep 2020) Vol. 9 Issue 10: 2211-23. DOI: 10.20959/wjpps202010-17399.
4. Comparative studies on suspending properties of *Tribia terrestris*; World Journal of Pharmacy and Pharmaceutical Sciences; (Sep 2020) Vol. 9 Issue 10: 2146-58. DOI: 10.20959/wjpps202010-17383.
5. Forecasting the Pervasiveness and Awareness about Polycystic Ovarian Syndrome in adolescent females: A small sample size Survey; Journal of Clinical & Experimental Pharmacology; Longdom Publishing SL, London. (Mar 2021); Vol. 11 Issue 4.
6. Topical Gel Formulation Incorporated with Hydroalcoholic Extract of *Stevia rebaudiana*
7. Bertoni; International Journal of Scientific Development and Research (IJSDR); (August 2021); Volume 6 Issue 8: 42-54. IJSDR2108008.



## Faculty Profile

8. Phyto-Therapeutic Review of *Tinospora cordifolia* Linn. in Competence to Immunomodulation and Antiviral Potential to Deal with COVID; International Journal of Pharmacy & Pharmaceutical research; (August 2021); Vol 22 Issue 1: 342-60.
9. A comprehensive review on *Withania coagulans* (Paneer Dodi); International Journal of Pharmacy & Pharmaceutical research; (August 2021); Vol 22 Issue 1: 342-60. Article ID: IJPPR/HUMAN-41/8-21.
10. Recent studies on potential prebiotic herbs – A brief review; East African Journal of Nutrition and Food Science; (July-Aug 2021); Vol 3 Issue 4 Manuscript No.: EASJNFS-15-2021. DOI:10.36349/easjnfs.2021.v03i04.003.
11. Fructo-oligosaccharides: A comprehensive review; Journal of Ayurvedic and Herbal Medicine; (Aug 2021); Vol 7 Issue 3: 193-200. DOI: 10.31254/jahm.2021.7305.
12. Calibrating and ameliorating the isolation method of cellulose from leaves of *Agave americana* and Sugarcane bagasse, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), Vol 9, Issue 3: 317-330. E-ISSN 2348-1269, P- ISSN 2349-5138.
13. Assimilating Patrimonial Abortifacient Papain in the Form of Enteric Coated Tablet; International Journal of Pharmaceutical Research and Applications. Volume 8, Issue 3 May- June 2023, pp: 374-385. DOI: DOI: 10.35629/7781-0803374385.
14. A comprehensive review on essential oils for depression management; Journal of Pharmacognosy and Phytochemistry, 2024; 13(2): 60-70. DOI: <https://doi.org/10.22271/phyto.2024.v13.i2a.14871>.
15. Design and Evaluation of Enteric-Coated Synbiotic Systems for Enhanced Probiotic Using Novel Prebiotic Delivery; Journal of medical pharmaceutical and allied sciences, Volume 13 – Issue 3, 6503, May – June 2024, Pages – 6631 – 6639. doi: 10.48047/AFJBS.6.14.2024.7479-7511.
16. Effects of Insulin Resistance on Different Organs; EAS J Pharm Pharmacol; Vol-6, Iss-2 (Mar-Apr, 2024): 60-76. DOI: 10.36349/easjpp.2024.v06i02.002.
17. A comprehensive investigation into the prebiotic influence of orange pectin on synergistic modulation of probiotic viability. Journal of medical pharmaceutical and allied sciences, V 13 - I3, Pages - 6431 – 6639. Doi: <https://doi.org/10.55522/jmpas.V13I3.6503>.
18. Deciphering Insulin Resistance through Molecular Docking of Short-Chain Fatty Acid Docking with associated Receptors; International



## Faculty Profile

Journal of Pharmaceutical Research and Applications; Volume 9, Issue 2 Mar-Apr 2024, pp: 430-451. DOI: 10.35629/7781-0902430451.

19. Probiotic Interventions for Polycystic Ovarian Syndrome – A Comprehensive Review Sch Int J Obstet Gynec, 7(6): 235-245. DOI: 10.36348/sijog.2024.v07i06.001

20. Design and Evaluation of Enteric-Coated Synbiotic Systems for Enhanced Probiotic Using Novel Prebiotic Delivery, Afr.J.Bio.Sc. 6(14) (2024). Doi: 10.48047/AFJBS.6.14.2024.7479- 7511.

### Presentations

1. Oral Presentation on-Development and evaluation of surgical sutures from plant origin; Trends in naturalResearch Products, NPR-2011, Kolkata, 48.
2. Oral Presentation on-Investigating Plant-derived Surgical sutures; RDHS sponsored 2nd International Conference organized by Dadasaheb Balpande College of Pharmacy, Nagpur on 14th Feb 2020.
3. Poster Presentation on-Obligations for Polycystic Ovarian Diseases and Future Necessity of Pharmacological Studies; AICTE Sponsored Two Day Virtual Conference on “Current and future scope in Pharmacology research” at Vidyabharati College of Pharmacy, Amravati on 17th & 18th Sept. 2021.
4. Poster Presentation on-International Conference on “Fostering High Quality Clinical Research for a Healthier World” held at “NIMS Institute of Pharmacy, NIMS University Rajasthan, Jaipur on 26th Nov. 2022.
5. Poster presentation on topic ‘Synbiotic Incorporated Colon Specific Formulation for Therapeutics in PCOS’ at IPC 72 at Nagpur on 21st Jan. 2023.
6. Poster presentation on topic ‘Robust Probiotic Strains in Different Biopolymer Matrices Exposed to Simulated Gastric Settings’ at IPC 72 at Nagpur on 21st Jan. 2023.

### Seminars / workshops

7. Natural product inspired drug development. (Pune 1. University); 2008.
8. Structural elucidation of compounds. (Pune University);2009.
9. Current approaches in bioavailability and bioequivalence studies.(Pune University); 2013.
10. RDHS sponsored the 2nd International Conference organized by Dadasaheb Balpande
11. College of Pharmacy, Nagpur 14th Feb 2020.
12. WHO organized Health Emergencies Program on Topic Emerging Respiratory Viruses,Including Covid-19: Methods of Detection, prevention, Response and Control: 13 June 2020.
13. ‘Herbal Past, Current and Future Prospective’ National Conference



## Faculty Profile

organized by Smt.

14. Kishoritai Bhojar College of Pharmacy, Kamptee, Nagpur in association with Society of Pharmacognosy, December 21, 2020.
15. Seminar on 'Interdisciplinary Research in Pharmacy: National Education Policy 2020 Perspective' organized by VESOP, Mumbai & KGRDCP & RI Karjat on 14th January 2023.
16. Two Days National Workshop On: Quality-by-Design and Hands-on Training on DOE at NES SVB's College of Pharmacy, Dombivli; 13th & 14th January 2023.
17. International Conference on "Fostering High Quality Clinical Research for a Healthier World" held at "NIMS Institute of Pharmacy, NIMS University Rajasthan, Jaipur on 26th Nov. 2022.
18. IPC 72 at Nagpur on 20th -22nd January 2023.
19. Three days workshop on Data Analysis using MS Excel, SPSS and R-program, organised by SVBCP, Dombivli on 26th June to 28th June 2024.
20. Five day online international faculty Development Program (FDP) on "Emerging Trends and Techniques in Research Paper Writing and Conferring Intellectual Property Rights. Organised by Galgotias university & University of Cyberjaya, Malaysia on 6-10th August 2024.

### Institutional & administrative responsibilities

- PTA/PTM In-charge
- Admission committee member
- Website In-charge
- Class In-charge: F. Y. First Year
- Women's Development Cell
- PR committee member
- PG Lab In-charge