



Mrs. Shilpa Sachin Sabnis

M.Sc., SET

Associate Professor,

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- **TEACHING EXPERIENCE: 24 years (P.G)**
- **SUBJECTS TAUGHT:**
 - M.Sc. Part I: Medical Microbiology and Immunology
 - M.Sc. Part II: Advances in Biotechnology

- **RESEARCH EXPERIENCE:**
 - ❖ **RESEARCH PUBLICATIONS:**

INTERNATIONAL: 17
NATIONAL: 1

INTERNATIONAL PUBLICATIONS:

1. **Shilpa Sabnis** and Neha Pawar (2017). Isolation and Characterization of Probiotic *Lactobacillus* spp. from fermented food sources. *J. Bionano Frontier.* **6(9)**, pp 2755-2761.
2. **Shilpa Sabnis (2017)**. Deposition of lysozyme and albumin on hydrophilic contact lenses in presence of Mutipurpose Solution: a study. *J. Bionano Frontier.* **10(1)**, pp 42-44.
3. **Shilpa Sabnis** and Tejas Nair (2016). Effect of low energy surface vibrations on the anti-adhesive properties of Multi Purpose Solutions. *Int. J. of Curr. Microbiol. And App. Sci.*, **5 (4)**, pp. 9-14.
4. **Shilpa Sabnis** and Nikita Malavkar (2016). Development of symbiotic double microencapsulation technique for efficient delivery of probiotics. *Int. J. of Curr. Microbiol. And App. Sci.*, **5 (4)**, pp. 306-314.

5. **Shilpa Sabnis. (2016).** Evaluation of the antibacterial activity of silver nanoparticles of *Carica papaya*, *Allium cepa* and *Azadirachta indica*: an invitro study. *Int. J. of Curr. Microbiol. And App. Sci.*, **5 (4)**, pp. 689-697.
6. **Shilpa Sabnis and Vishal Juvale. (2016).** Enrichment and isolation of biosurfactant producers from marine environment. *Int. J. of Curr. Microbiol. And App. Sci.*, **5 (4)**, pp. 730-740.
7. Shaikh Fakhra and **Sabnis Shilpa. (2014).** Synthesis of Silver Nanoparticles using *Costus speciosus* and study of its anti-microbial properties against urinary tract pathogens. *Int.J.Curr.Microbiol.App.Sci.* **3(1)**: 248-252.
8. **Shilpa Sabnis. (2014).** Antimicrobial efficacy of *Terminalia bellerica* against virulence factors of respiratory pathogens. *Int.J.Curr.Microbiol.App.Sci.* **3(5)**: 215-221.
9. **Shilpa Sabnis and Sagar Vandra (2014).**Antiadhesive role of multipurpose solutions in prevention of ocular infections: an invitro study. *Int.J.Curr.Microbiol.App.Sci.* **3(5)**: 272-276.
10. **Sabnis S.S. and Tarani L. (2010).** Antimicrobial action of neem leaf powder and bark powder against commonly encountered skin pathogens, *Advances in Plant Sciences* , **23(II)**: pp423-425.
11. **Shilpa Sabnis (2010).** Effect of Vasavaleh on respiratory tract pathogens, *Advances in Plant Sciences*, **23(II)**: pp407-409.
12. **Shilpa Sabnis and Shweta Jadhav (2010).**Antimicrobial properties of beheda against commonly encountered respiratory pathogens, *Advances in Plant Sciences*, **23(II)**: pp 445-447.
13. **Shilpa Sabnis and Rency Thomas (2010).**Antimicrobial properties of *Allium sativum* (garlic) against commonly encountered gastrointestinal pathogens, *Advances in Plant Sciences* , **23(II)**: pp 387-389.
14. Prachi Javale and **Shilpa Sabnis. (2010).** Antimicrobial properties and phytochemical analysis of *Emblica officinalis*. *Asian Journal of Experimental Biological Sciences*, **(1)** (Special issue), pp: 91-95.
15. Sunitee Sharma and **Shilpa Sabnis. (2010).** Study of anti adhesive properties of fruit juices and plant extracts on urinary tract pathogens. *Asian Journal of Experimental Biological Sciences*, **(1)** (Special issue), pp: 100-103.
16. **Shilpa Sabnis and Shweta Jadhav (2009).** Antimicrobial activity of phytochemicals from *Terminalia bellerica*, *Bionano Frontier*, **2(2)**: pp 15-17.

17. Saman Aisha Siddhiqui and **Shilpa Sabnis (2009)** .Study of the in vitro adherence of *Streptococcus mutans* and *Candida albicans*, *Bionano Frontier*, **2(2)**: pp 24-26.

NATIONAL PUBLICATIONS:

1. **Sabnis S.S.** and Patel K. **(2008)**. Biofuel production from potato, sweet potato and corn. *Bioinfolet*, **5(3)**: pp 173-1753.

❖ RESEARCH PAPER PRESENTATIONS AT VARIOUS CONFERENCES:

ORAL: 4

POSTERS: 38

❖ AWARDS/ RECOGNITIONS:

- **First Prize** for the poster entitled, ‘Synthesis of silver nanoparticles of *Costus speciosus* and study of their antibacterial and anti- adhesive properties against urinary pathogens’ at the Bhavnagar University and UGC sponsored **National Conference** in February 2012 (with Ms. Fakhra Shaikh).
- **Third prize** for the poster entitled, ‘Antimicrobial properties and phytochemical analysis of *Embllica officinalis*’ at the **National Conference** (BCUD, University of Pune sponsored) on ‘Recent Advances in Plant Sciences’ organized by the Department of Botany, Padmashri Vikhe Patil College of Arts, Science and Commerce, Pravaranagar in collaboration with the Society of Applied Sciences, Agra from 15-17th February 2010 (with Ms. Prachi Javale).
- **Third prize** for the poster entitled, ‘Green synthesis of silver nanoparticles and evaluation of their antibacterial activity’ at the **State level Conference** held at Ahmednagar in 2011 (with Ms. Sabah Shaikh).
- **Third Prize** for the poster entitled, ‘Study of anti- adhesive properties of silver nanoparticles of *Costus speciosus* against urinary pathogens’ at **the Research Scholar’s Meet organized at The Institute of Science, Mumbai** on 28th February 2012 (with Ms. Fakhra Shaikh).
- **Second prize** for the poster entitled, ‘Silver nanoparticles and their antibacterial activity’ at **the Research Scholar’s Meet organized at The Institute of Science, Mumbai** in February 2011 (with Ms. Sabah Shaikh).
- **Second prize** for the poster entitled, ‘Study of anti adhesive properties of fruit juices and plant extracts on urinary tract pathogens’ at **the Research Scholar’s Meet**

organized at The Institute of Science, Mumbai on 11th February 2010 (with Ms. Sunitee Sharma).

- Awarded prize for the **Best Project Proposal** entitled, ‘Study of oral microflora, adherence pattern and efficacy of dentifrices on oral isolates’ at a project proposal writing competition **organized by the Alumni Association of the Institute of Science** in 2009 (with Ms.Saman Aisha Siddiqui).

❖ **INVITED AS A JUDGE FOR RESEARCH PRESENTATIONS AT VARIOUS STATE AND NATIONAL LEVEL CONFERENCES.**

❖ **RESEARCH PROJECT:**

UGC sponsored Minor Research Project: 2004-2006 (completed)