

## **Curriculum Vitae**

### **Dr. Soniya Shetty Ph.D.**

Associate Professor,  
Department of Microbiology,  
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### **Educational qualifications**

<b>Degree</b>	<b>Year</b>	<b>University</b>	<b>Subjects</b>
Ph.D.	2018	Mumbai	Microbiology
M.Sc.	1996	Mumbai	Microbiology
SET Maharashtra	1996	Pune	Microbiology
B.Sc.	1994	Mumbai	Microbiology

### **Teaching experience**

- Teaching at K.J.Somaiya College of Science and Commerce since 2004

#### **22 years of teaching experience.**

Teaching Microbiology (mainly Courses in Biochemistry and Genetics) to undergraduate and postgraduate students.

- Recognized teacher by University of Mumbai for M.Sc. by papers and research.

### **Academic Enhancement**

- Completed an Orientation and three refresher courses organized by Academic staff college, University of Mumbai and sponsored by UGC,
- Completed a two-week hands-on training programme on 'Gas Chromatography' at National Skill Training Institute,(Advanced Training Institute), Ministry of Skill Development and Entrepreneurship, Govt of India.

- Completed several workshops and training programmes on Molecular Biology, Bioinformatics, instrumentation, curriculum development, evaluation methods and pedagogy.
- Participated in more than 35 international, national and local conferences and workshops since 2006.

## **Research Experience**

### **Patent**

Granted a patent on ‘Agents for degumming of silk, process for obtaining the same and process for degumming of silk.’ by the Government of India.

- **Research interests**

Textile microbiology, Anaerobic microbial systems, lignocellulosic materials, probiotics and prebiotics for human health, Bioprocessing of silk fibres.

- **Paper Presentations at research conventions (single author)**

1. Presented poster at ‘**Savishkar- iFAST**’ , a three- day National Exhibition and Symposium, held from 26<sup>th</sup> to 28<sup>th</sup> of February 2015 at Maulana Azad National Institute of Technology, Bhopal sponsored by DST and MPCST.
  2. Presented oral paper at UGC sponsored National Conference on ‘Frontiers in the field of Science, Technology and Sustainability’ held at Elphinstone College on 14<sup>th</sup> and 15<sup>th</sup> of February 2014.
  3. Presented poster at UGC sponsored National Conference on ‘Bioremediation- Recent Trends and Future Prospects’ held at Royal College on 9<sup>th</sup> August 2014.
- Guided and mentored both postgraduate and undergraduate students for presenting their research projects at several (around 45) conferences and research meets in the form of oral and poster presentations since 2013.

### **Awards**

- ***Awarded the 1<sup>st</sup> prize*** in the category ‘Agriculture and animal husbandary’, Level - Teacher at the prestigious **Inter-University Research Convention ‘AVISHKAR’ 2013-14** held from 16<sup>th</sup> to 18<sup>th</sup> of January 2014 at North Maharashtra University, Jalgaon .

- ***Awarded the 1<sup>st</sup> prize*** in the category ‘Agriculture and animal husbandry’, Level-Teacher at the **University Research Convention ‘AVISHKAR’ 2013-14** held from 4<sup>th</sup> to 8<sup>th</sup> of January 2014. Research work was selected as an official entry of the University of Mumbai for the Inter- University State level competition.
- ***Awarded the Best oral Paper*** presentation at the “Two-Days International Conference Proceeding in Life Science” held on 1st March and 2nd March 2021. Organized by International Journal of Microbial Science.
- ***Awarded the Best oral Paper*** presentation at Swayazas, International conference on Environment, Economy and Technology’ held at SIES, Nerul on 10<sup>th</sup>-11<sup>th</sup> February 2017.
- ***Awarded the 2nd prize*** for research project presented at The Sajjan Gupta – Konark Memorial award for Excellence in Bio-Research held at SIES college on 23rd of December 2013.
- ***Awarded the 2nd prize*** for research project presented at UGC sponsored National Symposium on ‘Modern Research Trends and Applications in life sciences’ held at Elphinstone College on 9th of February 2013.

## **Publications**

1. Bhavna Pandya and **Soniya Shetty**. (2021). Bacterial degradation of sericin for degumming of silk fibers–A green approach. Journal of Applied Biology and Biotechnology Vol. 9(05), pp. 89-95. Indexed in UGC Group II, Scopus, Web of Science and others. ISSN Print: 2455-7005, ISSN Online: 2347-212X DOI: 10.7324/JABB.2021.9513
2. Anika Shaikh, Iramzeba Siddique, Muskan Shaikh and **Soniya Shetty**. (2021). Isolation and enumeration of probiotic microorganisms from fermented idli batter. African Journal of Biological Sciences, 3(3) 59-63, International peer-reviewed, Open Access journal. ISSN: 2663-2187 (online) <https://doi.org/10.33472/AFJBS.3.3.2021.59-63>
3. **Soniya Shetty**. (2018) Improvement in Methylene Blue Adsorption of Coir Pith by Anaerobic Microbial Treatment. Proceedings of the Multidisciplinary International

Conference on GREEN EARTH: A PANORAMIC VIEW held on 12<sup>th</sup> and 13<sup>th</sup> January 2018: 51-54. ISBN: 978-81-923628-5-4

4. Valsamma Wilson, Sugandha Shetye, Kanwaljeet Kaur and **Soniya Shetty**. (2016) Study of synergistic effects on antioxidant activity and antimicrobial activity of polyherbal formulations containing ficus species. International journal of pharmacy and pharmaceutical sciences. Vol 8 Issue4, Pgs 50-53 ISSN: 0975-1491
5. Aaditi Bagul and Soniya Shetty. (2014). Screening of fungi with high transfructosylating activity for FOS Production and its application. Bionano frontier Vol. 7 (2) January - June 2014. 26-28 Print : ISSN 0974-0678 Online: 2320-9593

### **Fellowship**

Recipient of UGC Award of teacher fellowship under Faculty Development Programme as per XII plan for a period of two years.