



Ms. Sonali N. Gawande (Nachane)

ASSISTANT PROFESSOR

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PROFESSIONAL BRIEF

- Qualification: M.Sc., NET
- Subject Expertise: Microbiology
- Research Interests: Medical & Environmental Microbiology
- Current Designation: Assistant Professor, Department of Microbiology, Shri R.L.T College of Science, Akola

CAREER SUMMARY

- Assistant Professor (CHB)
2013 - 2014
Department Of Microbiology, SGBAU, Amravati
- Assistant Professor (CHB)
2015 - 2017
Department Of Microbiology, Shri. R.L.T. College Of Science, Akola
- Assistant Professor
From 2017
Department Of Microbiology, Shri. R.L.T. College Of Science, Akola

ROLES & RESPONSIBILITIES

- N.S.S Co-Program Officer (From 2017)
- Member of NAAC Criterion II
- Member of Cultural Committee
- Member of Parent-Teacher Association
- Member of Environment Cell

ACTIVITIES AND ACHIVEMENTS

- Appointed as a **Paper Setter** of various examinations of SGB Amravati University, Amravati
- Worked as an **Organising Committee Member** in State Level Seminar on "My Health My Responsibility: Complementary to Medicine and Health"
- Worked as an **Organising Committee Member** at "National Conference on Multidisciplinary Research in Science and Technology"
- Worked as an **Organising Committee Member** in "One-week Certificate Course on Skill Development for Pharmaceutical Industry"
- Worked as an **Organising Committee Member** of the workshop on "Intellectual Property Rights"
- **Member** of Maharashtra Pakshimitra

PUBLICATIONS (BOOKS)

- Practical Handbook of Analytical Biochemistry and Instrumentation for M.Sc. I Semester I – My rays Publication
- Text Book of Microbiology and Microbial Physiology B.Sc. I Sem I Microbiology –Dnyanpath Publication

WORKSHOPS AND SEMINARS ATTENDED

- University level workshop on Pursuing Research in new contexts SGBAU, Amravati on 12 August 2017
- National Level Seminar cum Workshop on Art of Soap Making and perfume making on 8th September 2018.
- Self-Employment through Fisheries, Govt. Of Maharashtra 19th December 2018.
- State Level Workshop on Carrier opportunities in Green Education, 10th August 2019.
- National webinar on Role of Microbiologist in Industries, on 5th December 2019
- Workshop On Social Entrepreneurship, Swachhta and Rural Engagement for Higher Educational Institution, Ministry of Education, Govt of India, 23th September 2020.
- Workshop On CBCS-NEP Execution Training Programme, 17 th September 2022.

PAPER PRESENTATIONS IN CONFERENCES/ SYMPOSIUMS

1. NA Ghanwate, P Thakare, PR Bhise, **SN Gawande** Colorimetric method for rapid detection of Oxacillin resistance in Staphylococcus aureus and its comparison with PCR for mec A gene, National Conference on current advances in biotechnology and Annual Meeting of Society for Biotechnologist (2013) , Tirupati,AP.
2. **SN Gawande**, UK Bhalekar, VD Nanoty Study of oral microflora and application of oral deposition (local antibiotic) to avoid oral infection in RPD/CD (removable partial denture) patients, International Conference on frontiers in Life Science and Earth Science(2018)., Pune, MS.
3. **SN Gawande**, VD Nanoty To study antimicrobial Activity of Citrus Sinesus (Orange) Peel Extract Against Oral pathogen, Recent Advances in Chemical sciences(2018)Akola.
4. International Conference on Microbiome research, NCCS Pune, MS(2018).
5. **SN Gawande**, MR Kashid, UK Bhalekar, VD Nanoty Isolation of Microbes Associated with Biofilm Formation on Removable Partial Denture (RPD) and Oral Hygiene Regimen for RPD Patients, Recent Trends in Life Sciences for Sustainable development (2019), Amravati, MS.
6. KR Laddha **SN Gawande**, UK Bhalekar Effect of Spraying Fermented Extract Amaranthus spinosus on Growth of Green Gram (Vigna radiata)-Pot Study, National Symposium on Bio- Waste as Bio Resources, (2019), Akola, MS.
7. **SN Gawande**, MR Kashid , UK Bhalekar and VD Nanoty Isolation of Microbes Associated with Biofilm Formation on Removable Partial Denture (RPD) and Oral Hygiene Regimen for RPD Patients. National Conference on Recent trends in Life Science for Sustainable Development (2019), Amravati, MS.
8. SR Rathi, **SN Gawande**, Bacterial Mess on Mess Kitchen towel, National Conference on Multidisciplinary in Science and Technology, For Healthy Lifestyle and Management (2020) Akola, MS.
9. AB Padmane, **SN Gawande**, Isolation and Identification of microorganism from restaurant menu cards, National Conference on Multidisciplinary in Science and Technology, For Healthy Lifestyle and Management (2020) Akola, MS.
10. **SN Gawande** , Biological degradation of dye, National conference on Recent advances in Chemical Science, (2020), Akola, MS.
11. **SN Gawande**, VV Deshpande,VD Nanoty, Effect Of heat and Acidification on Biofilm forming ability of MRSA and VRSA, 7th International e-Conference on Challenges and Opportunities in Medical , Environmental and Biotechnological Research(Gen Pro 2020).Bareilly, UP.
12. **SN Gawande**, SS Hadole, Biological Refining of Rancid Oil, virtual National symposium on Probing beneficial microorganism for next green Revolution,(2021) PDKV, Akola, MS.
13. **SN Gawande**, VD Nanoty, To Study Relationship between Biofilm formation and antibiotic resistance of Gram Positive cocci isolated from dental caries, International e-conference on Innovations in Science, Technology , humanities , Managements and Ecommerce for sustainable Rural Development(2022) Ananadvan, MS
14. **SN Gawande**, VD Nanoty, Effect of Medicinal plant extract biofilm forming gram positive cocci, International e-conference on Biotechnology for better Tomorrow , ICBBT-2022. Bali, Indonesia.

RESEARCH CONTRIBUTION

(PAPER PUBLICATION)

1. NA Ghanwate, P Thakare, PR Bhise, **SN Gawande**, Colorimetric method for rapid detection of Oxacillin resistance in *Staphylococcus aureus* and its comparison with PCR for mec A gene. 2017. *Scientific Reports* 6 (1), 1-5.
2. **SN Gawande**, SS Gandhi Phytochemical and antibacterial properties of ethanol extract of *Syzygium cumini* seed on pathogenic bacteria, *Journal of Plant Disease Sciences* 13 (1), 56-61
3. **SN Gawande**, UK Bhalekar, VD Nanoty (2018), Study of oral microflora and application of oral deposition (local antibiotic) to avoid oral infection in RPD/CD (removable partial denture) patients *Int. J. Frontiers in Life Sci. and Earth Science* 24
4. KR Laddha, **SN Gawande** "Effect of Spraying Fermented Extract *Amaranthus spinosus* on Growth of Green Gram (*Vigna radiata*)-Pot Study", *InfoSCIENCE*, Vol 1, 1
5. **SN Gawande**, MR Kashid , **UK Bhalekar** and **VD Nanoty** (2019). Isolation of Microbes Associated with Biofilm Formation on Removable Partial Denture (RPD) and Oral Hygiene Regimen for RPD Patients. *Bioscience Biotechnology Research Communications*,12,4,95-10
6. **SN Gawande** & VD Nanoty (2021). Studies on dental health status to correlate between detrimental food habits and oral hygiene: A questionnaire-based survey. *Int. J. of Dental Sci. and Inn. Research*, 4, 3, 278-292.
7. **SN Gawande** & VD Nanoty (2022). To study relationship between biofilm formation and antibiotics resistance of gram positive cocci isolated from dental caries. *International journal of researches in biosciences, agriculture and technology*, 10, 2, 234-241.