

Dr. Harish S. Malpani

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Professional Brief

- Qualification : M. Sc., Ph.D.
(Microbiology)
- Subject Expertise : Microbiology
- Current Research Interests : Medical & Environmental Microbiology, Molecular Biology.

Career Summary

HEAD OF DEPARTMENT (MICROBIOLOGY)

SHRI R.L.T COLLEGE OF SCIENCE, AKOLA| FROM 2021

ASSISTANT PROFESSOR (MICROBIOLOGY)

SHRI R.L.T COLLEGE OF SCIENCE, AKOLA| FROM 2017

ASSISTANT PROFESSOR (AD-HOC, MICROBIOLOGY)

SHRI R.L.T COLLEGE OF SCIENCE, AKOLA| 2009-2017

Roles & Responsibilities Undertaken

- Head, UG, PG & Research Department of Microbiology, Shri R.L.T. College of Science, Akola
- In charge Head, Department of Biochemistry
- Co-Ordinator, Career-oriented Programs in Clinical Laboratory Technology
- NAAC Criterion II Co-Ordinator(Teaching learning & Evaluation)
- Member, NAAC steering committee at Shri RLT College of Science, Akola
- Member, Career-counselling cell at Shri RLT College of Science, Akola
- Member of Blood donation committee at Shri RLT College of Science, Akola
- Member PG Admission committee at Shri RLT College of Science, Akola

Extension Services & Affiliations

- 1) Master trainer of Effective Teaching for Science undergraduate Teachers (By Maharashtra State Faculty Development Academy).
- 2) Master trainer for Choice-Based Credit System by SGB Amravati University.
- 3) Educator for National Education Policy-2020 (Authorized by SGB Amravati University)
- 4) Member of Akola district Biodiversity Committee constituted by Govt. of Maharashtra
- 5) Member of Microbiologist Society, India
- 6) Member of Indian Science Congress Association.
- 7) Worked as Paper setter & moderator for pre-Ph.D Entrance Test (MPET-Biochemistry) conducted by SGB Amravati University, Amravati.
- 8) Work as Paper setter, evaluator & moderator for UG & PG Examinations (Microbiology) conducted by SGB Amravati University, Amravati.
- 9) Worked as Resource person in Short term course on Research Methodology at UGC HRDC Sagar University (MP)
- 10) Worked as Resource person in Short-term course on Disaster Management at UGC HRDC SGB Amravati University.
- 11) Worked as Resource person in one-month add-on part time course on "Digital Skills for Creative Students-Teacher (DISC).
- 12) Delivered several popular talks in NSS camps, colleges and schools on varied topics like AIDS awareness, nature conservation and many more.

Books Published

- 1) Soil Microbiology Practical Handbook for M.Sc. I Sem I(Microbiology)- My Rays Publication
- 2) General & Applied Microbiology B.Sc. I Sem II (Microbiology) - Dyanpath Publications

Awards & Recognitions

- 1) One of the Youngest Ph.D. awardee from SGB Amravati University at the age 26
- 2) Conservator of wildlife award by Forest Department (Wildlife) Govt. of Maharashtra
- 3) Best oral Presentation award in National conference on Basics & Advances in Life Sciences organized at RTM Nagpur University

Workshops/Seminars Attended

- 1) University level workshop on "Application of Information Technology for Life Sciences" held at Shankarlal Khandelwal College, Akola on 30th January, 2010.
- 2) State level workshop on "Role of Microbiologist, Chemist and Nutritionist in Food Safety" held at Gurunanak College of Science, Ballarpur on 27th and 28th January, 2011.
- 3) State level workshop on "Research Methodologies in Science" held at Shankarlal Khandelwal College, Akola on 26th February, 2011.
- 4) Workshop on "Teaching Constrains in Microbiology & Biotechnology" held at Shri Shivaji Science College, Amravati on 2nd October, 2011.
- 5) Seminar on "Biotechnology for Better Tomorrow-2020" held at Dr. B.A.M. University Aurangabad on 22nd January 2012.
- 6) Workshop on "Research Methodology" held at S.G.B. Amravati University, Amravati from 14th to 19th March, 2016.
- 7) Participated in "Young Scientist Conclave of India International Science Festival 2017" from 13th to 16th October, 2017 at Anna University Chennai, NIOT, CSIR-CLRI, CSIR-SERC and IIT Madras
- 8) University and PG College Teachers' Training program in Biology/Life Science supported and approved by MHRD, Govt. of India under PMMNMTT at Indian Institute of Science Challakere Campus Kudapura from 7th June to 27th June 2018.
- 9) Participated in 47th Orientation course at UGC HRDC SGB Amravati University, Amravati from 18 November to 7th December, 2019.
- 10) Participated in Two Weeks Faculty Development Program on "Managing Online Classes and Co-creating MOOCS" conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 20th April to 6th May 2020.
- 11) National level FDP on G Suite & Allied tools in Education, teaching & E content development organized by S.G.B. Amravati University, Amravati held during 26th June to 4th July, 2020.
- 12) MS-DEED Level-2 in-person Master trainer workshop on "Effective Teaching for Science & Mathematics Undergraduate Teachers" from 16th to 28th May, 2022 at IISER, Pune & MSFDA Pune.
- 13) Participated in an online international workshop jointly conducted by Durham University, UK and IISER, Pune on "Teaching for and with creativity in science and inquiry-based learning" for undergraduate teachers on 23rd & 24th May, 2022.

Research Contributions

• Paper publications (International)

- 1) **Malpani H. S.**, Nanoty V. D. (2011); Studies on environmental monitoring of pathogenic bacterial flora of hospital air & threat of antibiotic resistance; Nature Environment and pollution technology; 10 (2): 309-311.
- 2) Mangtani K.N., **Malpani H.S.** (2019); Microbiological Study of Waste Disposal and It's Efficient Management; Research Journey;110(E);395-400.
- 3) Bawane S.C., **Malpani H.S.** (2020); Synthesis And Evaluation Of Antibacterial Activities Of Biogenic Silver Nanoparticles From Bacterial Isolates Of Lonar Lake; Vidyabharti International Interdisciplinary Research Journal; 10(1):118-122
- 4) **Malpani H.S.**, (2020); Prevalence Of Bacterial Pathogens In Hospital Air Of Operation Theatres And Intensive Care Units And Threat Of MDR Nosocomial Infections; International Journal of Research and Analytical Review;7(1):70-75.
- 5) **Malpani H.S.**, Bawane S.C (2020); Screening and Evaluation of Silver Nanoparticle Producing Bacteria from Lonar Lake India; Ayushi International Interdisciplinary Research Journal; 70(1):14-15.

• Research Guidance

- Guided more than 65 M.Sc. Microbiology students for their PG Projects (Since 2012)
- Guidance to Research festival (Aavishkar) (Since 2010)
University level winners 06; State level winners 01

• Paper presentations in Conferences/ Symposiums

- 1) **Malpani H. S.**, Bhalekar U. K., Nanoty V. D. (2010); Antibiotic resistance: A matter of concern; National Conference on Biotechnology for Better tomorrow; Akola
- 2) **Malpani H. S.**, Bhalekar U. K., Nanoty V. D. (2010); Multidrug resistant Pseudomonas aeruginosa & risk to the public health; National Seminar on Expanding Panorama of Microbiology; Mumbai
- 3) **Malpani H. S.**, Nanoty V. D. (2010); Studies on aerobiological hospital monitoring & threat of antibiotic resistance; 51st Annual Conference of AMI-2010, International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues and Challenges; Ranchi
- 4) Bhalekar U. K., Nanoty V. D, **Malpani H. S.** (2011); Antibiotic sensitivity pattern of Ofloxacin against non clinical isolates of Pseudomonas aeruginosa; National Conference on Advances in Life sciences for sustainable rural development; Akola
- 5) **Malpani H. S.**, Nanoty V. D, Bhalekar U. K. (2011); Surgical site infections: A matter of concern; National Conference on Advances in Life sciences for sustainable rural development; Akola

- 6) **Malpani H. S.**, Nanoty V. D, Bhalekar U. K. (2011); Operation theatres: A need to be operated; National Conference on Innovations in Bio-Sciences; Washim
- 7) Bhalekar U. K., Nanoty V. D, Malpani H. S. (2011); Prevalence of Pseudomonas in hospital air; 52nd Annual Conference of AMI-2011, International Conference on Microbial Biotechnology for Sustainable Development; Chandigarh
- 8) **Malpani H. S.**, Nanoty V. D, Bhalekar U. K. (2011); Intensive care units & pathogenic bacterial load; 52nd Annual Conference of AMI-2011, International Conference on Microbial Biotechnology for Sustainable Development; Chandigarh
- 9) **Malpani H. S.**, Bhalekar U. K., Nanoty V. D. (2012); Assessment of Airborne Bacterial Pathogens in Hospital Environments; 53rd Annual Conference of AMI-2012, International Conference on Microbial World: Recent Innovations and Future Trends; Bhubaneswar.
- 10) **Malpani H.S.**, Nanoty V.D.,Bhalekar U.K.(2017); Enumeration of Bacterial Pathogens from Nosocomial Infection prone areas of hospitals of Akola city; National conference on Recent Trends in Biotechnology and Biodiversity(NCBB-2017), Amravati.
- 11) **Malpani H.S.**, Nanoty V.D. (2018); Nanoparticle conjugated antibiotics: New hope against antibiotic resistance. National Conference on Recent Advances in Chemical Sciences(NCRAC-2018);Akola.
- 12) **Malpani H.S.** (2019); Prevalence of bacterial pathogens in hospital air and threat of MDR nosocomial infections; International conference Future India: Science & Techonology, 106th Indian Science Congress, Phagwara Jalndhar.
- 13) **Malpani H.S.** (2019); Consequences of river dumping on algal biodiversity of river. Biowaste as Bioresource Shankarlal Khandelwal College Akola.
- 14) **Malpani H.S.** (2019); Isolation partial characterization and extraction of alkaline protease from bacterial isolates of Lonar Lake. Microbiome for clean environment NCMCE 2019. Taywade college Koradi.
- 15) **Malpani H.S.** (2020); Microbial profiling of bakery product. National conference on Multidisciplinary research in Science & Technology for healthy life style management. Shri RLT College of Science, Akola
- 16) **Malpani H.S.** (2020); Screening & Evaluation of Silver Nanoparticles producing bacterial from Lonar Lake, India. National conference on Multidisciplinary research in Science & Technology for healthy life style management. Shri RLT College of Science, Akola
- 17) **Malpani H.S.** (2021); Formulation & optimization of alternative culture media for bacterial growth using Black and Green gram. National symposium on probing beneficial microorganism for next green revolution. Indian Phytological society with Association plant pathologist Akola.
- 18) **Malpani H.S.** (2022) Alternative bacterial Culture media formulation by using black gram and green gram seeds; National conference on Basics and Advances in Biological sciences. Sindhu Mahavidyalaya Nagpur.
- 19) **Malpani H.S.** (2023); Formulation and optimization of cost effective alternative bacterial culture media from black gram and green gram seeds. National conference on Biotechnology for better tomorrow NCBTBT 2023. Taywade College Koradi Nagpur.

Events organized

- Worked as organizing committee member of state-level seminar on "My Health, My Responsibilities" and Teachers' workshop on "Teaching Constrains in Microbiology and Allied Sciences" on 28th February, 2018 in collaboration with IQAC & MICRANS Unit.
- Worked as organizing committee member in one-day workshop EUREKA for high-school teachers and students on 13th March, 2019.
- Worked as organizing committee member of four-day workshop on "Soft-skill development" organized by SGB Amravati University and Shri RLT College of Science, Akola, from 22nd to 25th March, 2019.
- Worked as organizing committee member of "Seed Ball Preparation Competition" organized by Nisarg Katta at Katepurna on 16th June, 2019.
- Worked as organizing committee member of "Microbiome Food Festival" on 13th February, 2020.
- Worked as organizing committee member of "Online Short-Term Course on Research Methodology' in Collaboration with Ph.D. Cell S.G.B.Amravati university Amravati, AUCTA and MIS. 13th July to 16th July 2020.
- Worked as organizing secretary of online workshop on "Intellectual Property Rights & Patent Filing" on 31st August, 2021.
- Worked as organizing committee member of one-week certificate course on "Skill Development for Pharmaceutical Industry" from 5th to 15th May, 2022.
- Worked as organizing secretary of University-level Eco-friendly Ganesh Idol workshop.