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| SNEHAL RAJDHAR DABHADE  Lecturer   |  |  | | --- | --- | | **Address**New Agripada, Ahemadabad Road, Santacruz, Mumbai, MH, 400070  **Phone**9004889783  **E-mail**snehald291@gmail.com |  | |  |

Assistant Professor with 6 years of experience successfully contributing to Microbiology curriculum development and delivery. Driven to contribute to program outcomes by facilitating engagement and supporting learning objectives.

Excellent communication skills, always ready to accept new challenges, hardworking, a good team member, having an ability to build a productive working relationship, working relationships with clients and colleagues.

The goal is to work with an organization offering a dynamic and professional environment that will help achieve the organization's goals and simultaneously enhance skills and knowledge and enable to grow professionally within the organization.

***Skills***

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| **TECHNICAL SKILLS: CHEMICAL ANALYSIS**   * Chromatographic Techniques: * Thin Layer Chromatography, HPTLC * Gas chromatography with headspace 2. * Calibration of instruments: Electronic balance. PH meter. Digital melting point apparatus 3. * TITREMETRY: Acid-Base titration, Potentiometric titration, Karl Fischer titration. * Limit test for chlorides, heavy metals, sulfate, iron. * Determination of boiling range. * Determination of viscosity by using a viscometer (Brookfield). * Test for sulfated ash and total ash. * Estimation of BOD and COD in effluent samples   MOLECULAR BIOLOGY AND BIOINFORMATICS:   * Polymerase Chain reaction * Electrophoresis * Western blotting * Primer Designing * In Silico PCR * BLAST, FASTA   MICROBIOLOGY AND HEMATOLOGY:   * Isolation and Maintenance of the microbial cultures. * Different staining, Antibiotic Susceptibility Test, Biochemical test, Minimum Inhibitory Concentration, Preparation of selective media. * Mutagenesis and Isolation of mutants. * Sterility testing, Bioassay * Blood staining, Blood Grouping, RBC and WBC count on Haemocytometer, Immunoprecipitation reactions. |

***Work History***

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| 2015-05 - Current | **Assistant Professor**  *Contractual Basis, Mumbai, MH*   * Used a variety of learning modalities and support materials to facilitate the learning process and accentuate the presentation. * Created materials and exercises to illustrate the application of course concepts Built strong rapport with students through class discussions and academic advisement. * Revised course objectives, course materials, instructional and assessment strategies for Microbiology courses. * Evaluated student progress through analysis of test scores and homework completion. * Applied innovative teaching methods to encourage student learning objectives Supported weekly Microbiology lab sessions, contributing to student engagement, comprehension, and learning objectives. * Six years' experience of teaching in Department Of Microbiology, Sathaye College, Vile Parle, Mumbai-400057. * University evaluator for T.Y.B.Sc paper Bioprocess technology I and II since 2018. * Moderation of answer books of S.Y.B.Sc Microbiology Paper I of semester III at Lords Universal College on 23rd December, 2016. * External Re-Assessment Examiner for Semester V & Semester III at Sophia College for Women on 24th January 2019. * External examiner for food microbiology and safety practices at Dr. B.M.N. College of Home Science, Matunga Mumbai on 23rd. |

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| 2014-10 - 2015-05 | **Microbiologist Trainee**  *M.K.R. Drug Testing Laboratory, Mumbai, Mumbai, Maharashtra*   * Performed Wet lab and Microbiological analysis of Pharmaceutical and Cosmetic products. * Handled Gas Chromatography, FTIR. * Established GMP, standardization of instruments. * Performed tests on component samples, identify any contamination and perform analysis for appropriate source for same, and initiate corrective actions. * Performed various cultures of microorganisms in isolation according to standard inhibition and ensured control over moisture and temperature. * Monitored all physiological and morphological characteristics and identify microorganisms. * Perform tests on all incoming ingredients and document all records. * Developed and prepared documents for all protocols. * Investigate all issues and prevent any GMP problems on samples. * Maintained purchase orders for all laboratory processes and monitor inventory for the same. * Designed and optimized assays |

***Education***

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| 2012-07 - 2014-08 | Master of Science: Microbiology  *University of Mumbai - Mumbai, MH*  B Grade, CGPA- 5.83, 61% |

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| 2009-06 - 2012-05 | Bachelor of Science  *University of Mumbai - Mumbai, MH*   * First Division, 69.37% * Participated In Utsav Exhibition Organized By Sanskrit Association Of Sathaye College (2010-2011). * Participated In Science Exhibition Organized By Science Association Of Sathaye College (2010-2011). * Secured Consolation Rank In Essay Writing Competition Organized By Science Association Of Sathaye College (2009-2010). * Won Third Prize in Science Fiction Writing Competition In Paradigm 2010 Organized By Khalsa College, Mumbai |

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| 2008-06 - 2009-05 | *Sathaye College, Maharashtra State Board - Mumbai, MH*  HSC, First Division, 67.5%. |

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| 2006-06 - 2007-03 | *Sane Guruji Vidya Mandir, Maharashtra State Board - Mumbai, MH*  SSC, first rank in School with 84.61% |

***Accomplishments***

* Qualified ICAR NET Examination for Assistant Lectureship In Agriculture Microbiology with 57.11% -2019
* Qualified Maharashtra SET for eligibility of Assistant Professor- 2019
* Qualified GATE in Life Sciences with Score 234-2019.

***Research***

* + - * Worked on **Isolation, Purification, and Characterization of Bacteriocin From *Bacillus subtilis* From Soil Samples** during semester four of M.Sc part II. Project is submitted to the University of Mumbai towards partial fulfillment of Master of Science in Microbiology program under the Credit Based Semester Grading System (CBSGS), prescribed by the University of Mumbai during the academic year 2013-2014.

***Research Publications:***

* + - * Dabhade Snehal Rajdhar, Advances in screening bacterial cellulose producers, Compendium of “RESEARCH INSIGHTS OF LIFE SCIENCE STUDENT” 2021, ISBN: 978-93- 91342- 27-2, Volume 3, pg no. 447-449.

***Poster Presentation:***

* + - * Presented a poster on project work on “Isolation, Purification, and Characterization of Bacteriocin From Bacillus subtilis From Soil Samples” at research scholar’s meet held on 15th March 2014 at The Institute Of Science.

***Affiliations***

* Member, Sanskrit Association, 2015, Sathaye College, Vile Parle, Mumbai 400057.
* Member, Gravity Intercollegiate Science Festival, 2015-2016, Sathaye College, Vile Parle, Mumbai 400057.
* Worked as a Committee Member, of Plantae association, 2016 arranged a career guidance lecture in September 2016.
* Worked as a Committee member for Micro fiesta, a College festival organized by the Department of Microbiology 2015-2016.

***Workshops***

* Actively participated in the workshop of Practical Bioinformatics, held in Wilson College (2011).
* Actively participated in Annual biotechnology training held in Haffkine Institute (2011).
* NMIMS, School Of Science organized an annual open day program for undergraduate and postgraduate, December 2015-2016.
* Attended TYBSc Semester VI practical Workshop held at the Department of Microbiology, Wilson College on 3rd January 2017.
* Actively participated in the workshop of Nano and Biotechnology: Innovation and Revolution organized by Ruia College, Mumbai in conjunction with Harrisburg University Of Science and technology in 2017-
* Attended a two days workshop on UGC- CSIR NET (LIFE SCIENCE) EXAM held on 27th and 28th October 2018, organized by the Department of Biotechnology And Academy for Administrative careers, the University of Mumbai in association with Mumbai School Of Thoughts.
* Actively participated in one day workshop on Bioautography Techniques using HPTLC conducted at National Facility for Biopharmaceuticals G. N. Khalsa College, Matunga Mumbai.
* Actively participated in a workshop on Synthetic Biology for College Teachers sponsored by TEQIP III And HiMedia Laboratories at DBT – ICT center for Energy Biosciences, ICT, Matunga Mumbai on 13- 15th December 2018
* Actively participated in the Lady Tata Memorial Trust sponsored Teacher training workshop on ‘Experimental Approaches For drug Studies' held at Sophia College for Women from 17th to 19th January 2019.
* Participated in Eight-day Lecture series on UGC- CSIR NET ( Life Science) organized by Academy for Administrative Careers, University Of Mumbai-1st -8th May 2019
* Actively Participated in Two Days Awareness Programme on FSMS: Auditing System & Process, Organized by Sathaye College in collaboration with Onecert International Pvt Ltd on 13th & 14th August 2019.
* Actively Participated in a two-day Hands-on training workshop on chromatography techniques organized by the Department of Microbiology, Sathaye College in association with HiMedia Laboratories Pvt Ltd. on 9th & 10th December 2019
* Actively Participated in a Workshop on ‘Biostatistics & Research Methodology’ organized by SVKM's Mithibai College from 16th to 20th December 2019 under the aegis of RUSA grant.
* Actively participated and won second prize in workshop on Entrepreneurship Development organized by EDC , Sathaye College, Mumbai on 25th April, 2022.

***Seminars/ Webinars***

* Attended a seminar on Cancer biology research: The Indian scenario organized in St. Xavier's college, Mumbai on 19th January 2013.
* Participated in Intercollegiate webinar on “Role of Algae in Environment Protection”, organized by Department of Microbiology & Biotechnology, Chikitsak Samuha's Sir Sitaram & Lady Shantabai Patkar College of Arts & Science, on 5th June 2020.
* Participated in the Webinar on “Future of Food Technology Post COVID-19 conducted on May 24, 2020, organized by the Department of Nutraceuticals, G.N. Khalsa College,
* Participated in the webinar on “IPR in Research & Education” sponsored by Gujrat Council of Science & Technology, Govt. Of Gujrat, Organized By Parul University, Vadodara, Gujrat on 30th April 2021.
* Participated in the Two-Day National Webinar – ‘Nuances of Research Integrity' organized by the Research Committee and Internal Quality Assurance Cell, G. N. Khalsa College in collaboration with Amity University, Gwalior and Rehoboth Academic Services, Manipal Academy of Higher Education, Bengaluru on August 7 and 9, 2021.
* Participated in the webinar on Primer Design- Basic & Application organized by Biosrishti on 2nd October 2021.

***Online Workshops/FDP***

* Attended online national workshop on ‘Fine Tuning Research Planning Using Elsevier Tools' organized By K.J. Somaiya College of Science & Commerce, On 25th April 2020.
* Participated In 3 Days National Level Faculty Development Programme Organized By Lala Lajpat Rai College Of Commerce & Economics & University Of Mumbai With North Storm Academy Held On 30th April To 2nd May 2020.
* Participated in Two days workshop on “Experiential Teaching with Diverse Tools”, organized by IQAC, Maharshi Dayanand College of Arts, Science and Commerce on 26th &27th May 2020.
* Completed the Two weeks faculty development program on empowerment through digital technology and e-learning Organized by SNDT Women's University from 1st -12th June 2020.
* Participated in Two Days online workshop on “Drafting the Research Article” on 17th and 18th September organized by MyInnerLog.
* completed & Qualified an exam of One Week recent trends in research methodology organized by REST Society for Research International, Krishnagiri, TamilNadu, India from 11th -16th January 2021
* Participated in Five days Online FDP On “Artificial Intelligence in Health Science” organized by the Department of Biotechnology & Bioinformatics, D.Y. Patil Institute during 3rd May-7th May 2021.
* completed online program on Research Training From 3rd May to 15th May 2021 organized by MSME- TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

I hereby declare that the details furnished above are true to the best of my knowledge

Place: - Mumbai.

Date: Yours Truly,

Ms. Snehal RAJDHAR DABHADE