

Combined Institute of Medical Science and Research, Dehradun

List of Dissertation/Training Students

Year 2024

| S. no. | Name | Course | Dissertation/Training Topic | Duration |
|--------|---------------------------|-------------------------------------|---|---------------------------|
| 1. | Tisha | M.Sc. Biotechnology | Isolation, Identification & Characterization of Endophytic Bacteria from <i>Thymus Linearis</i> used in chakti production | 5 months (Feb-june) |
| 2. | Indrani Sonar | B. Tech Medical Biotechnology | Essential oil as potential agents: antimicrobial activity against <i>A. lwoffii</i> in clinical context | 5 months (January-May) |
| 3. | Mohit Sharma | B. Tech Medical Biotechnology | Nature's treasure trove- exploring the therapeutic potential of <i>Azadirachta indica</i> , <i>Ficus palmata</i> , and <i>Urtica dioica</i> : Insights into extraction and antimicrobial activity against <i>A. lwoffii</i> | 5 months (January-May) |
| 4. | Salona Kumari Verma | M.Sc. Microbiology | Isolation, Identification & Characterization of Endophytic Bacteria from <i>Thymus Linearis</i> used in chakti production | 4 months |
| 5. | Mahak Naruka | M.Sc. Microbiology | Essential oil as potential agents: antimicrobial activity against <i>A. lwoffii</i> in clinical context | 4 months |
| 6. | Sana | M.Sc. Microbiology | Synthesis of copper nanoparticles with <i>Urtica dioica</i> plant extract and its antibacterial activity | 4 months |
| 7. | Muskan Sharma | M.Sc. Microbiology | Isolation and characterization of probiotic from desi cow of Uttarakhand | 4 months |

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| 8. | Priti Negi | M.Sc. Biotechnology | Isolation, Identification & Characterization of Endophytic Bacteria from <i>Thymus Linearis</i> used in chakti production | 4 months |
| 9. | Yogesh Singh | M.Sc. Biotechnology | Nature's arsenal against <i>Acinetobacter lwoffii</i> : Unveiling the secondary metabolites of medicinal plants for antibacterial action | 4 months |
| 10. | Aakriti Rawat | M.Sc. Biotechnology | Antimicrobial Spectrum of <i>Zanthoxylum armatum</i> against Unidentified Intestinal Bacterial Pathogens Isolated from Goat and Pig. | 4 months |
| 11. | Suraj Kumar Prasad | M.Sc. Microbiology | Nature's arsenal against <i>Acinetobacter lwoffii</i> : Unveiling the secondary metabolites of medicinal plants for antibacterial action | 4 Months |
| 12. | Nili Nishtha | M.Sc. Biotechnology | Extraction of essential oil from medicinal plants and screening for enhanced anti-bacterial activity against <i>A. lwoffii</i> | 4 months |
| 13. | Riya Kumari | M.Sc. Biotechnology | Unveiling the antibacterial potential : secondary metabolites from medicinal plants for targeted approach against <i>Acinetobacter lwoffii</i> | 4 months |
| 14. | Muskan Yadav | M.Sc. Microbiology | Unravelling the antibacterial potential: Secondary metabolites from medicinal plants for targeted approach against MDR <i>Acinetobacter lwoffii</i> | 3 months |
| 15. | Sarishti Saini | M.Sc. Microbiology | Herbal remedies unveiled: essential oil extraction from medicinal plants and their antibacteria properties against <i>Acinetobacter</i> | 3 months |

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| | | | <i>Iwoffii</i> | |
| 16. | Kanchan | M.Sc. Microbiology | Isolation and identification of potential plant growth promoting bacteria from soil and evaluate their impact as biofertilizer on crop | 3 months |
| 17. | Anuradha | M.Sc. Microbiology | Synthesis of copper nano particles with <i>Urtica Dioica</i> plant extract and its antibacterial activity | 3 months |
| 18. | Varsha | M.Sc. Microbiology | Isolation and identification of Azotobacter and evaluation of its effect on plant growth | 3 months |
| 19. | Swati Singh | M.Sc. Biotechnology | Integrated approach to enhance metal stress tolerance in maize; ex-vivo and <i>in-silico</i> studies | 4 months |
| 20. | Aakriti Mishra | M.Sc. Biotechnology | Integrated approach to enhance metal stress tolerance in maize; ex-vivo and <i>in-silico</i> studies | 4 months |
| 21. | Kalpna Kumari | M.Sc. Biotechnology | Synthesis of Copper nano particles with <i>Urtica dioica</i> plant extract and its antibacterial activity | 4 months |
| 22. | Neha Pandey | M.Sc. Biotechnology | <i>Rhizopus oryzae</i> -assisted single cell protein production using orange peel extract. | 4 months |
| 23. | Anuradha | M. Sc. Microbiology | Synthesis of Copper nano particles with <i>Urtica dioica</i> plant extract and its antibacterial activity | 3 months |
| 24. | Suchita Bisht | M. Sc. Microbiology | Evaluation of growth promoting potential of Azotobacter of <i>trigonellafoenum - graecum</i> | 4 months |
| 25. | Kalawati | M. Sc. | Evaluation of <i>Aspergillus niger</i> for the | 4 months |

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| | | Microbiology | production of single cell protein by utilization of banana peel. | |
| 26. | Aarti Naudiyal | M. Sc. Microbiology | Evaluation of growth parameters enhancement in cicer arietinum using Azotobacter species. | 4 months |
| 27. | Deergha | M. Sc. Microbiology | Single cell protein production from orange peel using <i>Rhizopus oryzae</i> | 4 months |
| 28. | Geetanjali Negi | BSC. CBZ | Evolution of the Antibacterial Efficacy and the Phytochemical Analysis of some Medicinal plant Extract Against Bacteria isolate from gut of pig. | 4 months |
| 29. | Aditya Kumar | Masters of Microbiology | Therapeutic potential of secondary metabolites of Entophytic bacteria isolated from medical plant <i>Clitoria ternatea</i> | 6 months |
| 30. | Ashi Kashyap | M.Sc. Microbiology | Study on basic instrumentation and techniques used in life science laboratory | 1 months |
| 31. | Harshita Singh | M.Sc. Microbiology | Study on basic instrumentation and techniques in life science laboratory | 1 months (July) |
| 32. | Bhuvnesh Lakhotia | M.Sc. Microbiology | Study on basic instrumentation and techniques in life science laboratory | 1 months (July) |
| 33. | Vishal Kumar | B. tech Biotechnology | Study on basic instrumentation and techniques in life science laboratory | 1 months (July) |
| 34. | Aditya Anand | B. tech Biotechnology | Study on basic instrumentation and techniques in life science laboratory | 1 months (July) |

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| 35. | Uttam | M.tech Biotech | Ongoing | 6 months (July- December) |
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