

| Vishal       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Nandkumar                                                                                                          |                                                                                                                                                                              | Lolge               |                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| Profile      |  +91 9325299483                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  lolgevishal32@gmail.com          |  Teli Galli, Ravivar Peth, Beed-431122.s                                                  |                     |                       |
|              | Motivated B.Sc. (Hons.) Biotechnology student at MGM University with hands-on research experience in analytical biotechnology, phytochemical analysis, biodegradation, biofuel production, and environmental biotechnology. Skilled in HPLC, chromatography techniques, molecular biology methods, and laboratory research. Author of multiple research publications in biotechnology and pharmaceutical sciences, with active participation in national and international conferences. Seeking opportunities in biotechnology R&D, analytical laboratories, and biopharmaceutical research. |                                                                                                                    |                                                                                                                                                                              |                     |                       |
| Education    | <ul style="list-style-type: none"><li>Pursuing <b>M.Sc. Medical Microbiology</b> at Subharthi Medical College and Hospital. (2026-2029)</li><li><b>B.Sc. (Hons.) Biotechnology</b> at the Institute of Biosciences and Technology, MGM University. (2022-2026)</li><li>12<sup>th</sup> Standard (CBSE) in Biology, Physics, and Chemistry with 71.04% from Gurukul English School.</li></ul>                                                                                                                                                                                                 |                                                                                                                    |                                                                                                                                                                              |                     |                       |
| Key Skills   | <ul style="list-style-type: none"><li>DNA and RNA Extraction.</li><li>Gel Electrophoresis.</li><li>Animal Cell Culture.</li><li>High-Performance Liquid Chromatography.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    | <ul style="list-style-type: none"><li>Thin Layer Chromatography.</li><li>Column Chromatography.</li><li>Communication Skills.</li><li>MTT assay.</li><li>Teamwork.</li></ul> |                     |                       |
| Publications |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    |                                                                                                                                                                              |                     |                       |
| Sr. No.      | Journal / Conference Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Title of Paper                                                                                                     | Authors                                                                                                                                                                      | Year of Publication | Scopus Indexed Status |
| 1            | African Journal of Biological Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <i>Effectiveness of Biobased Sustainable Composite Material For Grain Storage</i>                                  | Pooja Bhujbal, Vaibhav Sapkal, R.W. Gaikwad, Vishal Lolge, Rajakumar Parabathina                                                                                             | 2024                | Yes (Scopus Indexed)  |
| 2            | International Journal of Public Mental Health and Neurosciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Antibacterial activity of Neem and Tulsi</i>                                                                    | Vishal Lolge, Dilnawaz Ansari, Gayatri Aghadte                                                                                                                               | 2024                | No                    |
| 3            | Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Evaluation and Quantification of Flavonoids and Terpenoids from Plant Leaves by HPLC Method</i>                 | Raja Kumar Parabathina, Vishal Lolge, Sunil Kothargasthi, Nidhi Dubey, Sanika Girgaonkar                                                                                     | 2025                | Yes (Scopus Indexed)  |
| 4            | International Journal of Pharmaceutical Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Evaluation And Determination of Azadirachtin and Fatty Acid Constants from The Leaves of Azadirachta Indica</i> | Dr. Raja Kumar Parabathina, Nidhi Dubey, Sanika Girgaonkar, Vishal Lolge, Sunil Kothargasti                                                                                  | 2024                | No                    |
| 5            | International Journal Of Public Mental Health And Neurosciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Extraction of Fruit DNA</i>                                                                                     | Vishal Lolge, Gayatri Aghadte                                                                                                                                                | 2023                | No                    |
| 6            | International Journal of Pharmaceutical Sciences and Research (IJPSR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Production of Biodegradable Plastic from Soil Microorganisms</i>                                                | Raja Kumar Parabathina, Vishal Lolge, Gayatri Aghadte                                                                                                                        | 2024                | Yes (Scopus Indexed)  |
| 7            | International Journal of Pharmaceutical Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Production of Biodiesel from Algae</i>                                                                          | Gayatri Aghadte, Vishal Lolge                                                                                                                                                | 2024                | No                    |

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| 8  | International Journal of Pharmaceutical Sciences                      | <i>Studies on the Evaluation of Flavonoids in Blackberry Leaves By HPLC</i>                                                                              | Dr. Raja Kumar Parabathina, Sunil Kothargasti, Vishal Lolge, Nidhi Dubey, Sanika Girgaonkar                           | 2024         | No                   |
| 9  | International Journal of Pharmaceutical Sciences                      | <i>Studies on the Evaluation of Flavonoids in Mango Leaves by HPLC</i>                                                                                   | Dr. Raja Kumar Parabathina, Sunil Kothargasti, Vishal Lolge, Nidhi Dubey, Sanika Girgaonkar                           | 2024         | No                   |
| 10 | International Journal of Pharmaceutical Sciences                      | <i>Studies on the Evaluation of Flavonoids in Pongamia Pinnata Leaves By HPLC</i>                                                                        | Dr. Raja Kumar Parabathina, Sunil Kothargasti, Vishal Lolge, Nidhi Dubey, Sanika Girgaonkar                           | 2024         | No                   |
| 11 | International Journal of Pharmaceutical Sciences                      | <i>Studies on the Evaluation of Flavonoids in Psidium Guajava Linn Leaves By HPLC</i>                                                                    | Dr. Raja Kumar Parabathina, Sunil Kothargasti, Vishal Lolge, Nidhi Dubey, Sanika Girgaonkar                           | 2024         | No                   |
| 12 | International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS) | <i>Qualitative and Quantitative Analysis of Flavonoids, Terpenoids, and Polyphenols in Chamomile Flowers by HPLC and GC-MS Methods</i>                   | Raja Kumar Parabathina, Nidhi Nilesh Dubey, Sanika Swapnil Girgaonkar, Vishal Nandakumar Lolge, Kushal Kondba Narwade | 2025         | Yes (Scopus Indexed) |
| 13 | Techniques - Sciences - Methodes (TSM Journal)                        | <i>Studies on the Quantification of Bioactive Compounds from Selected Plants</i>                                                                         | Dr. Rajakumar Parabathina, Aditya Maindargi, Siddhant Makanikar, Pankaj Shriname, Vishal Lolge                        | 2026         | Yes (Scopus Indexed) |
| 14 | Signa Journal                                                         | Phytochemicals and Cytotoxicity of Catharanthus roseus and Datura stramonium Against HeLa Cervical Cancer Cells                                          | Dr. Raja Kumar Parabathina, Vishal Nandakumar Lolge, Kushal Kondba Narwade, and Arpita Deshmukh                       | 2026         | Yes (Scopus Indexed) |
| 15 | International Journal of Environment and Pollution                    | Sustainable E-waste Management: A Critical Systematic Review of Global Trends, Health Impacts, Policy Frameworks, and the Path Toward a Circular Economy | Vishal Lolge, Dr. Geetanjali Kaushik, Dr. Arvind Chel, and Dhruv Sakore.                                              | Under review | Yes (Scopus Indexed) |
| 16 | Luzinia Journal                                                       | Isolation and Biochemical Characterization of Bacterial Autolysins as Enzyme-Based Antimicrobial Agents                                                  | Dr. Rajakumar Parabathina, Prathmesh Anil Dangre, Omkar Tukaram Chaudhar, and Vishal Lolge                            | 2026         | Yes (Scopus Indexed) |
| 17 | International Journal of Zoology and Applied Biosciences.             | Expandable soil pellets with enhanced nutrient (NPK) Release                                                                                             | Dr. Rajakumar Parabathina, Mugdha Ashthapure, Gauri Bhogaonkar, and Vishal Lolge.                                     | 2026         | Web Of Science.      |

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## Training

- Completed a 15-day training program on "Tools and techniques in animal Cell culture and its applications" held from 16<sup>th</sup> to 30<sup>th</sup> December 2024 at DNA Labs, Dehradun, Uttarakhand.
- Completed Hi-media workshop on "Genes to Genius" held from 8<sup>th</sup> to 10<sup>th</sup> October 2024 at the Institute of Biosciences and Technology, MGM University.
- Completed E-Cell IIT Hyderabad training program on "R-DNA Technology" held from 11<sup>th</sup> to 13<sup>th</sup> March 2024 at the Institute of Biosciences and Technology, MGM University.

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## Awards

- Presented a research paper titled '*Studies on the Evaluation of Flavonoids (Morin, Naringin, Quercetin & Rutin) in Blackberry Leaves by HPLC*' at the One-Day National Conference on 'Conservation and Propagation of Plant Wealth by Organic and Natural Pathways,' organized by the Department of Botany, Maulana Azad College, Aurangabad, on February 25, 2025
- Presented a poster titled '*Studies on Evaluation of Flavonoids in Mango Leaves by HPLC*' and received the Best Poster Presentation Award at the 3rd International Conference on 'Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy' (IB3-2025), held at Sanjivani University in collaboration with Ural Federal University and other global partners.
- Awarded Best Paper Presentation for research on 'Evaluation and Quantification of Flavonoid and Terpenoid from Plant Leaves by HPLC Method' at the 6th International Conference on 'Shaping Viksit Bharat @2047' organised by IMS Ghaziabad, April 2025.
- Presented a research paper titled "*Phytochemicals & Cytotoxicity of C. roseus & D. stramonium*" from MIT School of Food Technology and received the **1st Prize for Best Paper** at the 8th International Symposium on Innovative Global Technology Trends in *Sustainable Food Processing*, organized by MIT Art, Design & Technology University, Pune, held from March 23–25, 2026.

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## References

- Dr. Rajakumar Parabathina, Professor in Biochemistry, Institute of Biosciences and Technology, MGM University, Chh. Sambhajinagar- 431001. Contact: +91 7093566987 Email: [rajakumar.parabathina@gmail.com](mailto:rajakumar.parabathina@gmail.com).
  - Dr. Narotam Sharma, Head of Center for Research and Innovative Scientific Studies LLP, Parent organization of DNA Labs, A Center for Applied Sciences, East Hope Town, Dehradun, Uttarakhand, Contact: +9195576 50069. Email: [sharmanarotam5@gmail.com](mailto:sharmanarotam5@gmail.com).
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