

Declaration

I, **Shweta Tiwari** hereby declared that the dissertation work entitled “**Synthesis and Application of Carbon Dots from *Catharanthus roseus* for Microbial Labeling and Physiological Studies**” is an authentic record of the practical work carried out by me, under the supervision and guidance of Dr. Yogesh Bhargava, Molecular Engineering and Imaging Lab, Department of Microbiology, Dr. Harisingh Gour Vishwavidyalaya (A Central University) Sagar (M.P.) during my IVth Semester M.Sc. Dissertation work.

This dissertation is being submitted to the Department of Microbiology, School of Biological Science, Dr. Harisingh Gour Vishwavidyalaya (A Central University) Sagar (M.P.) for the partial fulfilment for the award of Master of Science in Microbiology (2024).

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