



**Ms. ALINA MATHEW**

Teaching Assistant

Email: [alina@sageuniversity.edu.in](mailto:alina@sageuniversity.edu.in), mathewalina066@gmail.com

Contact No: +91-7306286697

**Educational Qualification:**

Msc Biotechnology – Sage University Bhopal (2021-2023)

Bsc Zoology – Mahatma Gandhi University (2018-2021)

**Total Experience:**

Academic: 3 Months | Research: 1 year

**Areas of Interest:**

Biotechnology, Molecular Biology, Protein Engineering, Computational Biology and Protein Interaction & docking

**Brief Profile:**

**Research Experience:**

**PROJECT INTERN**

**CSIR- Institute of Microbial Technology – Chandigarh, India**

Project Title – Cloning, expression, and purification of DHBP synthase/GTP Cyclohydrolase II (RibBA) from *Thermus thermophilus*.

**TRAINEE**

**MRD life Sciences – Lucknow, India**

Training Internship in Advanced Biotechniques

- High performance liquid chromatography (HPLC)
- Tissue sampling, DNA extraction and PCR

**Personal projects:**

## **RESEARCH WORK ON CONTROL OF ENZYMATIC BROWNING OF FRUITS**

- Present study focused on the capability of various liquids to prevent enzymatic browning in fruits.

## **A REVIEW ON 4D PRINTING**

- 4D printing is a fast-growing interdisciplinary research of smart materials, 3D printer and mathematical modeling.
- The article focuses on the study of this innovative concept of printing technology which is defined as “3D printing+time” with the fourth dimension to be time.

### **Awards/Recognitions:**

Workshop on computational methods for protein structure, dynamics and drug designing – *A+ Grade*

International Conference on Recent Advancements in Science - *1<sup>st</sup> Prize*

Course on nanobiotechnology by IIT Kharagpur

National Webinar on Innovative and Novel Solution for Water Conservation and Managements

### **Membership of Professional Bodies:**

1. Microbial Society of India
2. Rotaract club Bhopal 3040

### **Other Achievements:**

1. School Coordinator of R&D task group
2. School Coordinator of True Sage Foundation