



Birla Institute of Technology & Science, Pilani

Hyderabad Campus

Certification of Research Work for Sun Pharma Science Scholar Award

Sun Pharma Science Foundation

8C, 8th Floor, Hansalaya Building,

15-Barakhamba Road,

Connaught Place, New Delhi -110001, INDIA

Sun Pharma Science Foundation,

I, Prof. D. Sriram, the undersigned supervisor of Ms. Sonal Fande, hereby certify that the research work titled **"Versatile Sample-to-Answer Platform for Rapid, On-site Detection of E. coli DH5 α Strain and Occurrence of Antimicrobial Resistance"** submitted by Ms. Sonal for the Sun Pharma Science Scholar Award has been carried out independently by her under my guidance.

Ms. Sonal Fande's research indicates her dedication, commitment, and exceptional hard work toward this study. Throughout the research process, I have closely supervised and guided her to ensure the highest quality and honesty of the work. The findings, methodology, and analysis presented in her submission truly reflect her effort, understanding, and capabilities.

Her innovative approach to developing different point-of-care devices for rapid, on-site detection of different pathogens and antimicrobial resistance addresses a critical need in the field of biomedical sciences. This research holds significant potential for advancing rapid diagnostic technologies and combating antimicrobial resistance, demonstrating the strong impact of her work.

I am confident that Ms. Sonal Fande deserves recognition and consideration for the Sun Pharma Science Scholar Award, and I sincerely support her for this prestigious award.

Sincerely,

Prof. D. Sriram

Senior Professor, Department of Pharmacy,

BITS-Pilani Hyderabad Campus, Hyderabad



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