

Jamia Hamdard

(Hamdard University)
Declared as Deemed-to-be University under Section 3 of
the UGC Act, 1956 vide Notification No. F.9-18[35-U.3
dated 12.5.1989 of the Government of India

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HAMDARD NAGAR

CERTIFICATE

This is to certify that the project report entitled "Development of low-budgetfor detection of various biosensor the deadly diseases towards commercialization" is submitted to the Nanobiosensor-lab, Department of Biotechnology, Faculty of Chemical and Life sciences, Jamia Hamdard, New Delhi, in the partial fulfilment of the requirement for the Sun Pharma Science award. Mohd. Rahil Hasan has successfully completed the project, In which he developed various biosensors like Electrochemical biosensor, aptasensor, genosensor, paper based sensor, Lab in tube or colorimetric biosensor as well, all of which are based on low-budget criteria with high sensitivity and the developed sensor has commercialization-potential, allowing public to manage their deadly diseases (dengue virus, chikungunya virus, cancer, zika virus) by diagnose it an early stage and the infected patient can take proper treatment on time. The developed biosensor research were also published in high impact journal with 24+ publications (450+ citations). One of the dengue sensor based research work filed patent and also received 6+ awards during the project work. It is an original piece of work and carried out by Mr. Mohd. Rahil Hasan under the supervision and guidance of Dr. Jagriti Narang (Nanobiosensor-Lab) at department of the Biotechnology, Jamia Hamdard, New Delhi, from Jan, 2022 to July, 2023.

Project Supervisor

Dr. Jagriti Narang (Assistant Professor)

Department Of Biotechnology

Jamia Hamdard, New Delhi