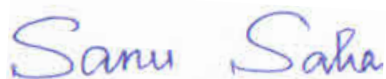


**To whom it may concern**

It is noted that the thesis submitted for Sun Pharma Science Scholar Award-2023 has not previously received any award. The idea of the research for this thesis is fully original and done by myself, under the guidance of my Ph.D. supervisor Prof. Rajib Kumar Goswami where the biological experiments were carried out in collaboration.



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