



# SIKSHA 'O' ANUSANDHAN

(A Deemed to be University declared u/s 3 of UGC Act, 1956)

Accredited (3rd Cycle) by NAAC with A++ Grade

Ref.no.SOAU/VC/307/24

Dt.09/08/2024

## To Whom It May Concern

**Subject: Nomination of Mr. Jitu Halder for the Sun Pharma Science Foundation Science Scholar Fellowships**

I, Prof. Pradipta Kumar Nanda, Vice Chancellor of Siksha O Anusandhan (Deemed to be University), Bhubaneswar, Odisha, am writing to nominate Mr. Jitu Halder for the Sun Pharma Science Foundation Science Scholar Fellowships. Mr. Jitu Halder joined our institute in 2020, holds a master's degree in pharmacy and is currently pursuing a PhD in Pharmaceutical Sciences, which is likely to be completed soon.

His research is entitled "**Development and Characterization of Nanofiber-based Formulation for Management of Buccal Cancer.**" It focused on developing and characterizing glycyrrhizin-loaded hyaluronic acid (HA) nanofiber-based sterile and stable artificial salivary platform for the oral mucositis (OM) condition. Further, he is assessing its anticancer drug delivery potential for the overall management of buccal cancer. Fibers prepared in a single-step process, demonstrate immensely high wettability, moisturizing efficacy, and anti-inflammatory activity, making them highly useful as artificial saliva for managing OM. The anticancer (Methotrexate) efficacy in the MTT assay and flow cytometry analysis was significantly enhanced in oral epidermal carcinoma cells (KB cells). The optimal formulation in the Ehrlich Ascites Carcinoma (EAC) induced mice model shows significant potential for tumor regression when compared with free drugs. It is found for the first time that, this novel product can reduce side effects related to chemotherapy, such as mucositis and can quite be effective in overall management of buccal cancer.

Mr. Halder's research, funded by the Science and Engineering Research Board, Department of Science and Technology, Government of India, has garnered significant recognition. He has published 33 research and review articles with a cumulative impact factor of 123 in internationally reputed journals and presented at notable conferences. His work has been acknowledged with several awards and recognitions, including transferring technology from this project to the National Research Development Corporation (NRDC), Gov. of India.

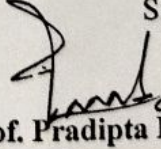
His vision for the future of science and his commitment to excellence make him a deserving candidate for the prestigious Sun Pharma Science Foundation Science Scholar Fellowships.

I very strongly recommend his case for consideration of this fellowship.

Date: 09/08/2024

Place: Bhubaneswar

Vice-Chancellor  
Siksha 'O' Anusandhan  
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Sincerely Yours,  
  
(Prof. Pradipta Kumar Nanda)  
Vice Chancellor

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