

- f. **Signed statement from the applicant to the effect that the research work under reference has not been given any award in the past. The applicant should also indicate the extent of the contribution of others associated with the research and he/she should clearly identify his/her achievements (not to exceed 500 words)**

The research work proposed for the Sun Pharma award has not yet been submitted for any award earlier and its new study from my lab which was already published in one of the high ranked Biopharmaceutical journal (*European Journal of Pharmaceutics and Biopharmaceutics* (Elsevier; IF: 5.56)). Another study on photodynamic therapy in infection control from my lab has been published in *Journal of Photochemistry and Photobiology B: Biology* (Elsevier; IF: 6.2) in recent years which was also provided as one of the required reprints for this award.

This work on the use of photodynamic therapy (PDT) against topical infection was carried out by one of the Ph.D students, and supported by other authors who have contributed in animal handling and Histo-pathological studies. The Idea was conceived by me (applicant) with the consideration that in the time of antibiotic resistance crises when no drug is left to treat infections caused by MDR bacterial strains, the only alternative approach of PDT may help to control infection and reduce rate of mortality.

I have provided all logistics and state-of-the-art lab support to the student to carry out this work. Continuous guidance and planning of experiments were provided during whole study. The complete study was successfully accepted in respectable journal.

The major contribution is from my own lab to attain this work along with the support from Pathology and biochemistry department of AMU to provide microscopy facility for pathological analysis and animal handling, respectively. Moreover, IIT Delhi provided cell lines to perform cell toxicity study.



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