



Indian Association for the Cultivation of Science

2A & 2B Raja S. C. Mullick Road, Jadavpur
Kolkata 700032
INDIA

Dr. Asit K. Chakraborti, FRSC, LFICS, FASc, FNA
Emeritus Fellow and DAE Raja Ramanna Fellow
School of Chemical Sciences
Web: <http://akcresearchgroup.weebly.com/>

Phone: +91-33-24734971 (Ext. 1406)
Fax: +91-33-24732805
Email: ocakc@iacs.res.in;
asitkumarchakraborti@gmail.com

Date: Aug 22, 2023

Sub: Citation of Nomination of Prof. Rajib Kumar Goswami for Sun Pharma Research Award 2023.

Natural products remain the main fray for new drug discovery providing scope of generating new therapeutic agents/leads and practicing their chemistry as a whole offered the society valuable returns from fundamental to applied fields and make chemical synthesis of natural product a state of the art in chemical/pharmaceutical research. Prof. Goswami has contributed excellently well towards this direction through development of synthetic routes for Total Synthesis of Natural Products of Pharmaceutical Importance. His laboratory has developed efficient asymmetric synthetic routes of bioactive natural products of complex structure such as *sunshinamide* (anticancer), *beauveamide A* (anticancer), *thailandamide lactone* (antibacterial) and importantly, their proposed structures have been validated. The pharmacological significance of these natural products along some of their analogues has been evaluated and the outcome is quite promising.

Prof. Goswami has already developed the synthetic routes of 38 complex natural products and their analogues of interesting biological activities. The high yielding synthesis of these natural products as well as enlightening their biological role, is the showcase of his research for applications in pharmaceutical sciences and basic organic chemistry.

I sincerely believe that Prof. Goswami is most suitable candidate for Sun Pharma Science Foundation Research Awards in "Pharmaceutical Sciences" and wish him all success.

(Dr. Asit K. Chakraborti)

[Former Professor and Head, Department of Medicinal Chemistry, NIPER, S.A.S. Nagar, Punjab 160062, India]