



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 2nd, 2024

Sub: Citation of Nomination of Prof. Rajib Kumar Goswami for Sun Pharma Research Award 2024.

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 which make chemical synthesis of natural product a state of the art in chemical/pharmaceutical science. Prof. Goswami has contributed excellently towards this direction through development of efficient synthetic routes for 'Total Synthesis of Natural Products of Pharmaceutical Importance'. His laboratory has developed asymmetric synthetic routes of bioactive natural products of complex structure such as *sunshinamide* (anticancer), *bacilotetrin C* (anticancer), *thailandamide lactone* (antibacterial) and importantly, their proposed structures have been validated. The pharmacological significance of these natural products along with their relevant analogues has been evaluated and the outcome is quite attractive.

Prof. Goswami has already developed the synthetic routes of nearly 40 complex marine & terrestrial natural products and their analogues of interesting biological activities. The efficient synthesis of these natural products as well as exploring their biological action, is the showcase of his original research having paramount value in the perspective of pharmaceutical sciences and organic chemistry.

I earnestly believe that Prof. Goswami is the 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]