

PROFORMA FOR NOMINATION
PANJAB UNIVERSITY BHAGYATARA AWARD 2019

1. Name and Designation of the Nominee:	Dr. Rodney A. Fernandes Professor
2. Address of the Nominee:	Department of Chemistry, Indian Institute of Technology Bombay (IIT-Bombay), Powai Mumbai 400076, Maharashtra, INDIA 022-25767174 (O), 022-25767152 (F) 9969617544 (M) Email: rfernand@chem.iitb.ac.in
3. Date of Birth:	19 June 1972
4. Nationality:	Indian
5. Achievements:	See annexures I and II in brief summary Also the attached details below

Place: IIT Mumbai

Date: September 2021

Signature of the Sponsor
Professor Subhasis Chaudhuri
Director, Indian Institute of Technology
Bombay, Powai, Mumbai 400076,
Maharashtra, INDIA
Phone: 22-25767001 Fax: 022-25723546
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A brief write by the Sponsor justifying the suitability of the nominee for the prize

Prof. Rodney A. Fernandes joined the institute, IIT-Bombay in August 2007 and has been serving presently as Professor in the Department of Chemistry. He is actively involved in teaching and research in Organic Chemistry.

He has developed new strategies in Organic Chemistry for total synthesis of bioactive molecules and natural products with emphasis on protecting-group-free synthesis and step-economy. The total synthesis of chatenaytrienins, muricadienins, obolactones, (4*S*,5*S*)-4,8-dihydroxy-3,4-dihydrovernoniynone, demethoxycardinalin, arizonins, deoxyactinorhodin, iso-crisamycin A, asteriscunolide-C, ancepsenolide, cephalosporolides, kalafungin, frenolicin, Hagen's gland lactones, murolic acid, various paraconic acids, cardiobutanolide, topsentolide, etc are his significant achievements.

He has also developed new methodologies including the investigation of new terminal oxidants for Wacker process, oxidative diene cleavage and new catalysts for asymmetric allylations. His work on double arylation through π -allylpalladium is published in *J. Am. Chem. Soc.* He has published over 125 research papers in international journals of high repute. In the last 10 years (2011-2021) he has contributed 95 peer reviewed research papers and has 4 granted patents.

He is the recipient of INSA medal for Young Scientist 2004, elected Fellow of Maharashtra Academy of Sciences and received recently the "Departmental Excellence in Teaching" Award of IIT Bombay 2019 and Outstanding Reviewer Award by the Chemical Communication Journal of RSC publishing 2019. He has Edited a book "Protecting-Group-Free Organic Synthesis: Improving Efficiency and Economy, published by John Wiley & Sons (2018). He has served as Dean Academic Programme and Faculty Affairs at IIT Goa on deputation from IIT Bombay (August 2017-July 2018). He has been member of board of studies in Chemical Sciences at MS University of Baroda (2017-2020) and presently is member board of studies in Chemical Sciences (UG) at Goa University, Goa. He is also member of UGPC at IIT Bombay at present.

Prof. Fernandes has actively contributed to academic teaching, administration and high quality research in Organic Chemistry. I would highly recommend his nomination for the prestigious Panjab University Bhagyatara Award 2019.

Signature

Professor Subhasis Chaudhuri

Director, Indian Institute of Technology Bombay