



कुलशासक, प्रायोजित शोध एवं औद्योगिक परामर्श कार्यालय
Dean, Sponsored Research & Industrial Consultancy Office

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IIT Roorkee

27.08.2024

To

The Chairperson (Award Committee)
Sun Pharma Science Foundation.

Subject: Nomination letter for Dr. P.Gopinath for the "Sun Pharma Science Foundation Research Fellowships – 2024".

Dear Sir/Madam,

It is my pleasure to recommend Dr. P. Gopinath, Professor in the Department of Biosciences and Bioengineering, for the "Sun Pharma Science Foundation Research Fellowships-2024". Dr. Gopinath has expertise in multidisciplinary research. He has received several national and international research grants in the area of Biomedical Nanotechnology. As per AD Scientific Index 2024, Dr.Gopinath secured **rank 1 in biological sciences at IIT Roorkee** and **Top 3% in the world** based on the last 6 years H index. His dedication to research is evident in his impressive record as detailed below and in his C.V. He has published his research works in several high-impact research journals and presently he has over 150 research publications, eight books, and fifteen book chapters to his credit. The impact of his work can be seen evident in the total citations that his publications have received (8021 citations, *h*-index of 51 and *i10* index of 122). He is also part of the editorial boards of many international journals. He has five Industrial design registration granted, **filed 20 patents (13 granted), and done one technology transfer**. His research articles published in *Analytical methods* (2024), *ACS Omega* (2021), *ACS Applied Bio Materials* (2019)(2022)(2024), *Biomaterials Science* (2015), *Journal of Materials Chemistry B* (2015) and *Journal of Applied Polymer Science* (2015) have been selected for the cover page of the issue. Many of his research works have been featured in "nature INDIA" and in "ATLAS of Science". His interview on "Nanotechnology can provide affordable treatments" was published in the journal "**Nature Medicine**" 28, pages 630–632 (2022).

He has completed 15 sponsored research projects so far and is currently working on 13 projects sponsored by various funding agencies like DBT, DST, ICMR etc., He is involved in collaborative projects with scientists from international institutions as well. Further, he has received several prestigious awards including "TATA Innovation Fellowship, by Dept. of Biotechnology, Govt. of India, "Dr. Dipti Kapoor Endowment Award 2023", "Yogmaya Devi Award in Biomedical Sciences", "ILSI-India Young Scientist Award 2021", "AMI-Alembic Award-2020", "ICMR-prize for Biomedical Research-2019", "Shri. Om Prakash Sharma Award for a Young Scientist 2019 for outstanding contributions in Biomedical Research", "G.D.Naidu award for young scientist for the Year 2018", "Prof.H.S.Srivastava Foundation young scientist award". His credentials are very much impressive and outstanding. Based on his contribution at IIT Roorkee, he received the prestigious "Institute research fellowship for Outstanding Young faculty 2017", IIT Roorkee. He is a Fellow of Royal Society of Chemistry (FRSC), United Kingdom, Fellow of Royal Society of Biology (FRSB), United Kingdom and Fellow of the Academy of Sciences (F.A.S.Ch.), Chennai. He is also a co-founder of a start-up company "Super Good Nano Pvt. Ltd.,". His start-up company received the best startup Award under health care division in the Startup Expo 2022 held at IIT Roorkee.

Currently, his research group in the nanobiotechnology laboratory at IIT Roorkee is working on the development of various nanomaterials for biomedical applications. His research work is well aligned with the national missions of Make in India. For example; recently, his research group has developed a nanofiber scaffold and an apparatus for 4D tissue engineering for which a **patent has been filed and technology transfer** has been done. This is the first licensing of patented technology from IIT Roorkee. For this work, his team has received the "BIRAC-SRISTI-Gandhian Young Technological Innovation (GYTI-2019) award" (Grant of Rs. 15 lakh, citation and certificate) from Shri. M. Venkaiah Naidu, Honorable Vice president of India on July 06, 2019, at Vigyan Bhawan, New Delhi. He has also received the prestigious Virendra Nath Malti Mital Award 2018 for this work. The Annual Award of Rs. 1,00,000/- is given to an eminent Engineer for Innovative and Creative Work with patent in the field of Engineering in India in any discipline to an Indian National for the work done in India. Recently, technology transfer assignment deed for three of his patent has been signed with National Research Development Corporation (NRDC), New Delhi.

Considering his scientific ability and achievements, I strongly recommend his candidature for "Sun Pharma Science Foundation Research Fellowships – 2024". I wish him all success in his endeavours to contribute to science.

With kind regards,

(Akshay Dvivedi)

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