

**Prof. P. Reddanna**  
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## **UNIVERSITY OF HYDERABAD**

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**29-08-2024**

### **LETTER OF RECOMMENDATION**

#### **Nomination for the Sun Pharma Science Foundation Research Fellowship-2024**

I am delighted to write this letter of recommendation for Dr. Mamta Sajwan Khatri, who works as a DST-Research Scientist, in the Department of Animal Biology, at the University of Hyderabad, nominating for “The Sun Pharma Science Foundation Research Fellowships 2024”.

Dr. Mamta has 11 years of research expertise in Molecular Neuroscience, Neurotoxicology, Neuroendocrinology, and Developmental Biology, she served as a DST-Scientist (WOSA) Principal Investigator, earning the award twice, and worked in various capacities at the Department of Animal Biology, School of Life Sciences, University of Hyderabad.

Additionally, she is working as a Scientific Coordinator at the Federation of Asian Biotech Associations (FABA), an organization promoting the academy industry interactions in Human Resource Development ([biofaba.org.in](http://biofaba.org.in)) under my supervision. Also, she is a Guest Faculty in the Department of Pharmaco-informatics at NIPER Hyderabad.

Dr. Mamta’s research area of specialization is focused on “Elucidating the molecular mechanisms of signaling molecules, neurotrophic factors via their receptors, and other related transcription factors. Dr. Mamta established gene expression patterns that drive neuronal and gonadal development and function, to target neurodegenerative disorders by using functional genomics and molecular approaches. Her work also explores potential applications in targeting MPTP-induced neurodegenerative disorders and regenerative approaches to improve overall health outcomes. These findings have been published in national and international peer-reviewed journals and as a book chapter and presented at National and International conferences.

Dr. Mamta has recently been honored with the prestigious “Science for Women: Technology and Innovation (SWATI)” award by the Academy Panel of India in recognition of her research contributions. Dr. Mamta is also a recipient of “Prof G.P. Talwar Young Scientist” in 2022, “Dr. Mridula Kamboj Young Scientist 2020” award from Indian Society for the Study of Reproduction and Fertility, ISSRF, “Shiva Gayathri Memorial Award 2016” for the best presentation at the Society for Biotechnologists, NIOT, Chennai and Best oral presentation award

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at the International Conference on Reproductive Biology-SRBCE in 2017. Dr. Mamta has been selected twice by the International Brain Research Organization (IBRO) for Neuroscience translational Neuroscience Research in the Neuroscience Department at Monash University, Malaysia in 2013.

Dr. Mamta is an active member of several scientific societies, including ISSRF, ISCE (associate to AOSCE), and the International Neuroscience Federation (INF). She currently serves as a reviewer for PLoS One, Gene, Gene Reports, and Frontiers in Reproductive Endocrinology.

In summary, Dr. Mamta Sajwan Khatri is an exceptional scientist and educator with a distinguished record of achievements. Her research, innovation, and dedication make her an invaluable asset to any institution, and she is poised to continue making significant contributions to science while inspiring future generations.

I strongly recommend Dr. Mamta for the Sun Pharma Science Foundation Research Fellowship 2024.

A handwritten signature in blue ink, appearing to read "P. Reddanna", with a horizontal line drawn underneath it.

**(Prof. P. Reddanna)**