



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान  
National Institute of Pharmaceutical Education and Research (NIPER)  
Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers  
Govt. of India

**From:**

Dr. Nitesh Kumar,

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**To:**

Prof. Virander S. Chauhan,

Biotechnology Research Professor,

International Centre for Genetic Engineering and Biotechnology, New Delhi

Sun Pharma Science Foundation

Dear Sir,

I am pleased to write this letter in strong support of Md. Abubakar, who has conducted outstanding research under my supervision. Md. Abubakar, a PhD research scholar in the Department of Pharmacology and Toxicology, has consistently demonstrated exceptional academic and research capabilities that have significantly contributed to our understanding of the ongoing investigation of the antiparkinsonism effects of extracts.

Md. Abubakar initiated a challenging research project titled "Investigation of antiparkinsonism activity of *Mucuna pruriens* hydroalcoholic extract via GLP1 modulation in Parkinson model" with the goal of addressing neuroprotective effects by targeting GLP1 as a molecular target. Additionally, the study aimed to explore the interlink of this mechanistic pathway alteration during the severity of the Parkinson study, and the ongoing interplay with the gut and brain. From the outset, he exhibited remarkable initiative and enthusiasm. They meticulously designed their research methodology, incorporating both innovative approaches and rigorous analytical techniques. This dedication is evident in the comprehensive literature review, the robust experimental design, and the insightful analysis of results.

One of Md. Abubakar's most impressive achievements is winning the best poster award at the "International Conference on New Horizon Drugs, Devices, and Diagnostics" at NIPER Hyderabad. She also got another best poster award in the "55th Foundation Day Celebration of the Indian Pharmaceutical Association [IPA]" and an appreciation certificate for poster presentation during the "73rd Indian Pharmaceutical Congress." These findings have not only advanced our understanding of disease, but also have potential implications for intervention to suppress the severity of the disease, as well as practical applications in clinical settings to identify targets and develop herbal formulations. He has skillfully communicated these results through publications, presentations, or receiving positive feedback from peers and experts in the field.

In addition to their technical skills, Md. Abubakar has shown exemplary qualities of persistence, creativity, and intellectual curiosity. They navigated several challenges with resilience and adaptability, reflecting their ability to work independently and collaboratively. Their contributions have been a valuable asset to our research team, and their work has set a high standard for future projects.

Based on their exceptional research performance, I have no reservations in stating that Md. Abubakar is among the best research scholars I have had the pleasure to supervise. I am confident that Md. Abubakar will continue to excel in their academic and professional pursuits, making significant contributions to their field.

If you require any further information regarding Md Abubakar research or achievements, please feel free to contact me.

Sincerely,

Dr. Nitesh Kumar,

Assistant Professor,

Department of Pharmacology and Toxicology, NIPER HAJIPUR

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*Nitesh Kumar*

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