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I, Dr. Md. Mukter Hossain (M M Hossain), have completed the Honours and Master's in Physics with a solid-state physics specialization from the University of Rajshahi, Bangladesh. Then, I fulfilled the Ph.D. degree from the University of Yamanashi, Japan, in 2016. During my Ph.D., I got a **PATENT (JAPAN)** for inventing bulk silicon crystal growth using multiple feed rods by infrared convergent heating floating zone method, along with some quality publications. Dr. M M Hossain is actively involved with research in Condensed Matter Physics (theoretical and experimental), especially in studying the physical properties of materials of interest (energy harvesting materials) using density functional theory.

In my research career, about **50 RESEARCH ARTICLES** has been published internationally in reputed journal (mostly Q1/Q2) with publishers like Elsevier, ACS, RSC, AIP, etc. One Mphil degree has been awarded, and five post graduation students are working under my supervision. The **GOOGLE SCHOLAR CITATION** has reached **1056**, dated May 2023. I am involved with a research project funded by TWAS, DRE CUET, and UGC and have experience as a **PEER REVIEWER** of more than 20 international journals. Dr. M M Hossain has also worked with some prestigious research groups at home (RU, BCSIR, and Atomic Commission) and abroad (Japan, Australia, Malaysia, and India). Moreover, I am looking for more collaborators from home and abroad to trigger my current research activity and to meet the state-of-the-art research.