

**XXI Abdus Salam Memorial Lecture–2026**

New Delhi, February 19, 2026

The Department of Physics, Jamia Millia Islamia organised the XXI Abdus Salam Memorial Lecture on February 10, 2026, at the Auditorium, University Polytechnic, JMI. The Department of Physics, JMI established the Abdus Salam Memorial Lecture to uphold the principles Salam advocated, particularly the importance of promoting education and research in fundamental sciences within developing countries. Each year, a distinguished scientist is invited to deliver the lecture, which is designed to inspire and convey the excitement of new discoveries, ideas, and challenges.

This year's Abdus Salam Memorial Lecture was delivered by Prof. Sadiq Rangwala, Senior Professor at the Raman Research Institute, Bengaluru. His lecture, titled "Building Physics One Atom at a Time", began with a welcome address by Prof. Azher M. Siddiqui, Head of the Department of Physics, JMI. Prof. Saeed Uddin, Dean of the Faculty of Sciences, highlighted the significance of the Abdus Salam Memorial Lecture before introducing the speaker to the audience.

In his lecture, Prof. Rangwala discussed the development of modern atomic physics experiments that enable precise control and manipulation of individual atoms. He outlined how advances in laser cooling, trapping techniques, and quantum control have made it possible to build and probe physical systems one atom at a time. He further described experimental approaches in cold atom physics and their implications for understanding fundamental quantum phenomena, precision measurements, and emerging quantum technologies. The lecture was followed by an engaging discussion session with the audience. It concluded with a vote of thanks by Prof. Lekha Nair. Prof. Rangwala also interacted with Ph.D. scholars in a special session, followed by an engaging interaction with faculty members of the Department of Physics.

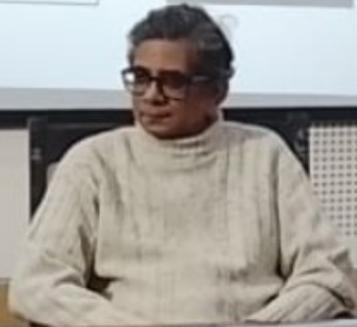
Prof. Saima Saeed  
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# Building Physics One Atom at a Time

Sadiq Rangwala



Prof. A.M. Siddiqui  
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Prof. Saad Farooq  
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