

# “Frontiers in Science” Seminar

## Prof. Daya Shankar Pandey

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Title: “Multi-functional Characteristics of AIEgen based BODIPYs”

Date & Time: April 22, 2026, 16:30~17:30

Venue: G101 Science Hall



**Abstract:** The development of BODIPY-based materials with a high luminescent efficiency in aggregated state and their possible applications in diverse areas including opto-electronic and biomedical have fascinated the scientific community during recent past. These present an attractive research topic in contemporary chemical research due to their unique and extraordinary features, including strong/sharp absorption of visible light, emission in long wavelength regions (550 to 800 nm), and good photo-stability. Development of BODIPY with AIE characteristics are highly demanding along with other significant properties/applications. In this direction, we have designed and developed a number of BODIPYs with AIE characteristics. Now, we have focused our attention on BODIPYs-based multi-chromophoric systems with multifunctional features in addition to AIE. In this talk designing and development of systems including multiple BODIPYs will be highlighted.

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