

## **Internal Webinar**

**Bis-(2-benzimidazolyl) methane analog: an alternative to malononitrile to synthesize A- $\pi$ -D- $\pi$ -A type AIEgens as aza-Michael acceptors for volatile polyamine sensing**

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The well-established aza-Michael acceptor chemistry has been utilized for designing various fluorescent probes for hazardous volatile polyamine sensing. The reported probes face the problem with their real-life utility, which requires costly instruments, solution phase detection expertise in sample preparation, and low colour contrast, whereas working with solid samples for onsite real-life applications has remarkable advantages. In this talk, I will discuss a rationally designed novel solid-state aza-Michael acceptor, based on Bis-(2-benzimidazolyl) methane (BIZM) analog, a better alternative to toxic cyano precursor.

***Wednesday, Mar 26<sup>th</sup> 2025***

***11:30 Hrs***

