

**Time-resolved fluorescence spectra of 5-methoxyindole.** Htun, M. Than; Suwaiyan, A. Chemistry Department, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.

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### **Abstract**

Time-resolved fluorescence spectra of 5-methoxyindole (I) in cyclohexane and H<sub>2</sub>O are reported, along with that of indole in H<sub>2</sub>O for comparison. Time-resolved fluorescence spectra of I are broader in H<sub>2</sub>O than in cyclohexane. A possible manifestation of the interaction between the  $\pi$ -electron cloud of the benzene ring of I and H<sub>2</sub>O is discussed.