

Internal Webinar

Cyclic tetrapyrroles: From molecules to materials

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Cyclic tetrapyrroles type molecules have been studied widely with respect to their photochemical and photophysical properties as well as to numerous applications. The excellent photophysical properties which can be readily controlled by structural modification make these compounds of interest for a broad range of applications, including artificial photosynthesis, catalysis, molecular electronics, sensors, non-linear optics, and solar cells. The talk will highlight the design of donor-acceptor systems based on cyclic tetrapyrrolic derivatives viz. porphyrins, phthalocyanines and corroles, their photophysical properties and the structure property relationship leading to their application in the field of material science.

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