



Solvatochromism, Molecular Ionic Recognition: Photophysical Aspect

By Tandrima Chaudhuri

LAP Lambert Academic Publishing. Paperback. Condition: New. 140 pages. Dimensions: 8.6in. x 5.9in. x 0.3in. This book deals with a systematic study of (i) Solvation effect in neat solvents, (ii) Supramolecular interaction with fullerenes and (iii) EDA interaction with metal ions involving four different classes of fluorescent probes viz. , saturated b-diketones (dk) dye I, boron diketone complexes (bf) dye II, pyrromethene laser dyes (PM) dye III and meso-tetraphenylporphyrins (TP) dye IV. Density based theoretical (DFT) calculations of some photophysical parameters for the dye systems were attempted for providing justification in support of host-guest or donor-acceptor type of interaction and the corresponding energies have been calculated, together with molecular orbital and electron density mappings to locate the probable sites of interaction. The rationale behind undertaking the work has been to explore the role of fluorescence probes in terms of the three above mentioned ways of weak interaction. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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