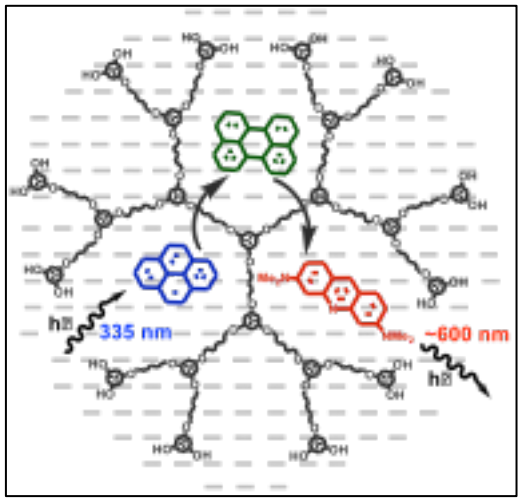
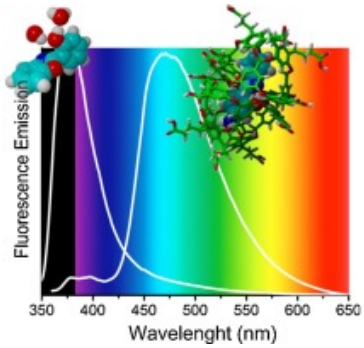
2016

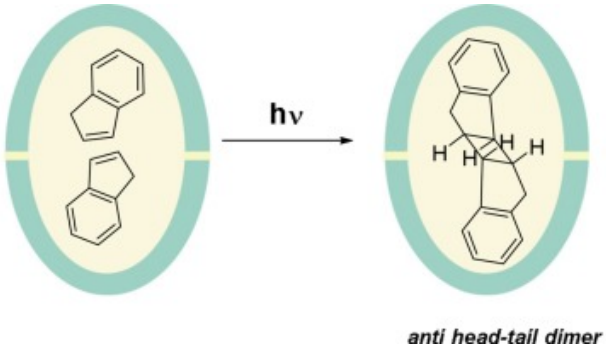
1. A dendrimer facilitates resonance energy transfer between hydrophobic aromatic guest molecules in water, Yashapal Singh, A. Mohan Raj, B.M. Kiran, J. Nithyanandhan, V. Ramamurthy and N. Jayaraman, ***Journal of Photochemistry and Photobiology A: Chemistry*** 317 (2016) 125–131.



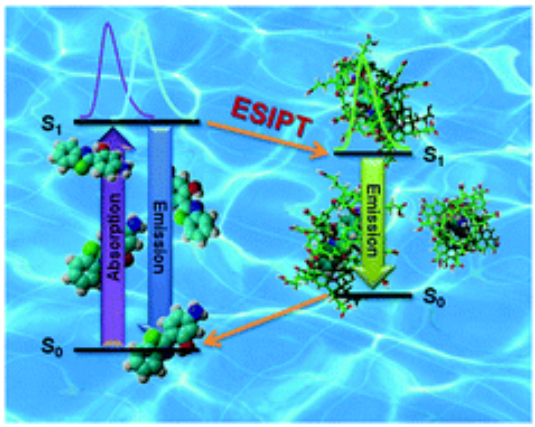
2. Excited state behaviour of benzoxazole derivatives in a confined environment afforded by a water soluble octa acid capsule F. Santos, E. Ramasamy, V. Ramamurthy and F. S. Rodembusch, ***J. Photochemistry and Photobiology A: Chemistry,*** 2016, 317, 175-185. (Invited Feature Article)



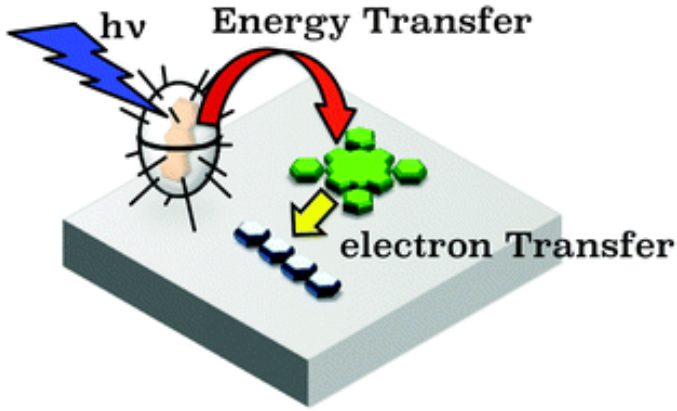
3. Water-soluble octaacid capulse as a reaction container: Templated photodimerization of indene in water A.Parthasarathy and V. Ramamurthy, J. ***Photochem and Photobio A: Chemistry***, 2016, 317, 132- 139.



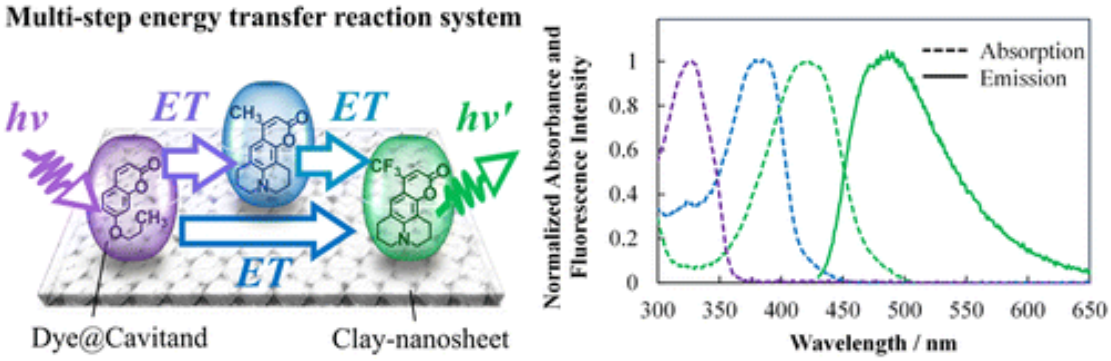
4. Confinement effect on the photophysics of ESIPT fluorophores F. S. Santos, E. Ramasamy,a V. Ramamurthya and F. S. Rodembusch, ***J. Materials Chem. C***. 2016, 4, 2820-2827.



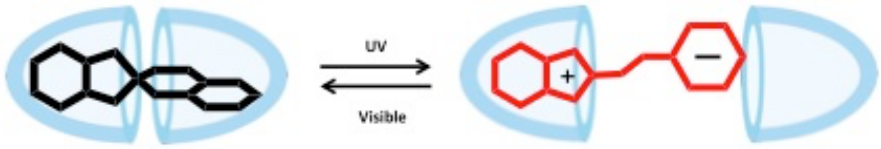
5. Sequential Energy and Electron Transfer in a Three-component System Aligned on a Clay Nanosheet T. Fujimura, E. Ramasamy, Y. Ishida, T. Shimada, S. Takagi, V. Ramamurthy, ***Phys. Chem. Chem. Phys***., 2016, 18, 5404-5411.



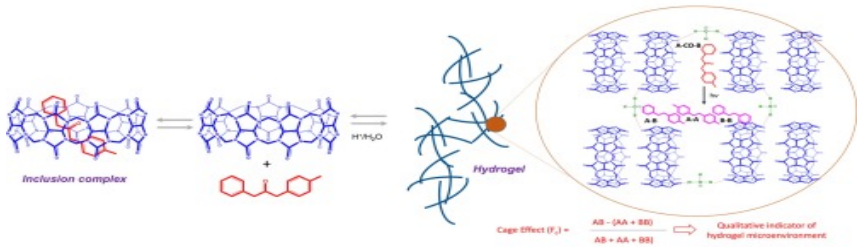
6. Supramolecular-Surface Photochemistry: Cascade Energy Transfer Between Encapsulated Dyes Aligned on Clay Nano-sheet Surface T. Tsukamoto, E. Ramasamy, T. Shimada, S. Takagi and V. Ramamurthy, ***Langmuir*** 2016, 32, 2920−2927.



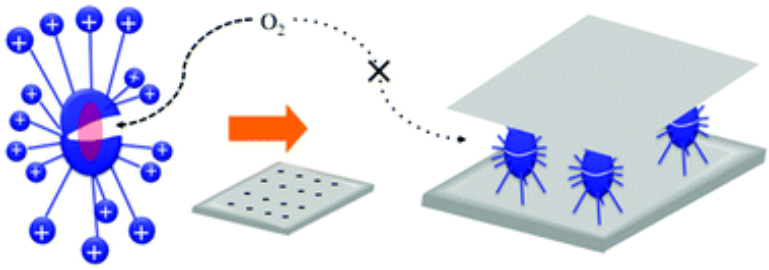
7. Reversible Disassembly− Assembly of Octa Acid−Guest Capsule in Water Triggered by a Photochromic Process, A.MohanRaj, FrancįscoM.Raymo, and V.Ramamurthy, ***Org. Lett***. 2016, 18, 1566−1569.



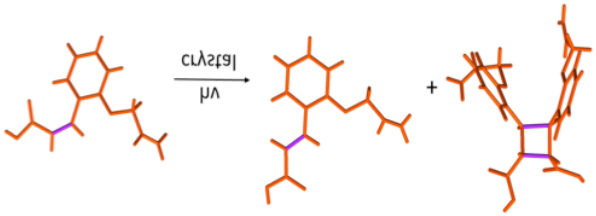
8. pH Induced cucurbit[7]uril hydrogels: Understanding microenvironment of the aggregates through excited state reactivity of dibenzyl ketones M. Pattabiraman, M. V. S. N. Maddipatla, and V. Ramamurthy, ***J. Photochemistry and Photobiology A: Chemistry***, 2016, 324, 53-61.



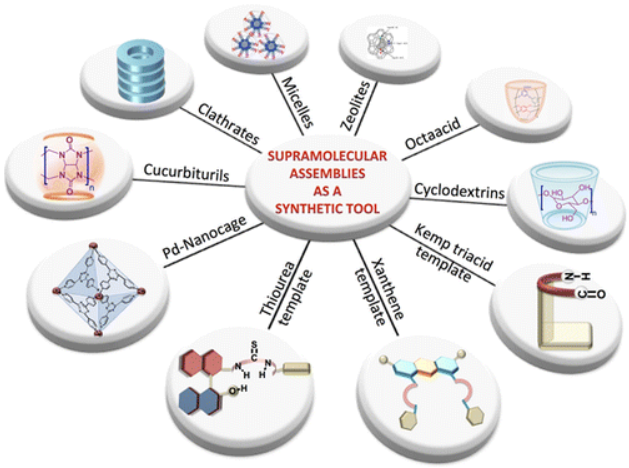
9. Room Temperature Phosphorescence from a Guest Molecule Confined in Restrictive Space of an Organic–Inorganic Supramolecular Assembly Y. Ishida, T. Shimada, E. Ramasamy, V. Ramamurthy and S. Takagi, ***Photochem. Photobiol. Sci***., 2016, 15, 959-963.



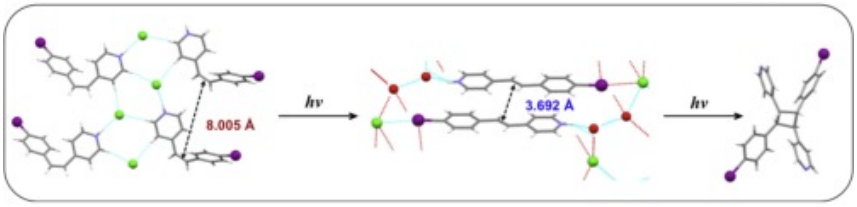
10. Solid-state photochemistry of cis-cinnamic acids: a competition between [2 + 2] addition and cis– trans isomerization, Giri Babu Veerakanellore, Burjor Captain, and V. Ramamurthy, ***CrystEngComm,*** 2016, 18, 4708–4712.



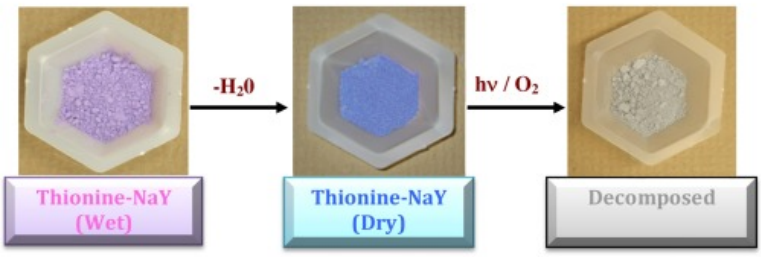
11. Supramolecular Photochemistry as a Synthetic Tool: Photocycloaddition V. Ramamurthy and J. Sivaguru, Chem. Rev., 2016, 116(17), 9914-9993.



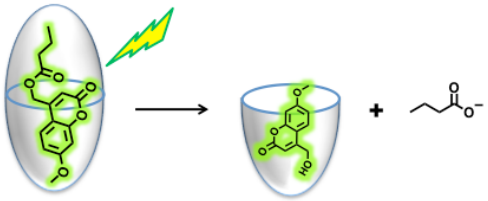
12. Volume demanding geometric isomerization of cis-4-stilbazole.HCl salts in the crystalline state: Probing the role of a metastable dimer B. Mondal, B. Captain and V. Ramamurthy, J. Photochem. Photobiol. A: Chemistry, 2016, 331, 224- 232. (Special Issue Dedicated to Yoshihisa Inoue)



13. Zeolite matrix assisted decompositon of singlet oxygen sensitizers during photooxidation J. Shailaja, J. Sivaguru and V. Ramamurthy, J. Photochemistry and Photobiology A: Chemistry, 2016, 331, 197-205. (Special Issue Dedicated to Yoshihisa Inoue)



14. Photorelease of Incarcerated Caged Acids from Hydrophobic Coumaryl Esters into Aqueous Solution, Nareshbabu Kamatham, Debora C.Mendes, José P.DaSilva, Richard S.Givens, and V. Ramamurthy, ***Org. Lett.*** 2016, 18, 5480−5483.



15. A phosphorescent platinum(II) bipyridyl supramolecular polymer based on quadruple hydrogen bonds. Fang-Wei Liu, Li-Ya Niu, Yong, Chen, Vaidhyanathan Ramamurthy, Li-Zhu Wu, Chen-Ho Tung, Yu-Zhe Chen and Qing-Zheng Yang, Chemistry - A European Journal, 2016, 22, 18132-18139.