

Reviews on Supramolecular Photochemistry

Micellar control of photochemical reactions.

V. Ramamurthy, *Proc. Indian Acad. Sci.*, **93**, 635, **1984**.

Photochemical reactions in oriented systems.

V. Ramamurthy in *Organic Phototransformations in Non-homogeneous Media*, Ed., M. A. Fox, American Chemical Society, Washington, D.C., 1985, p. 267.

Photochemically induced organic reactions in the solid state,

P. Arjunan, K. Gnanaguru, V. Ramamurthy and K. Venkatesan, in *Natural Products Chemistry*, Ed., R. I. Zalewski and J. J. Skolik, Elsevier, Amsterdam, 1985, p. 347.

Structure of micelles—A review.

N. Ramnath, V. Ramesh and V. Ramamurthy, *J. Sci. Ind. Res.*, **44**, 199, **1985**.

Micellar structure and micellar control of photochemical reactions.

N. Ramnath, V. Ramesh and V. Ramamurthy, *J. Photochem.*, **31**, 75, **1985**.

Organic Photochemistry in Organized Media,

V. Ramamurthy, *Tetrahedron*, **42**, 5753, **1986**.

Chemistry in Cavities,

G. Dasaratha Reddy, M. S. Syamala, B. Nageswar Rao and V. Ramamurthy, *Current Science*, **55**, 875, **1986**.

Photoreactions in hydrophobic pockets,

M. S. Syamala, S. Devanathan and V. Ramamurthy, *Proc. Ind. Acad. Sci.*, **98**, 391, **1987**.

Photochemical Reactions of Organic Crystals,

V. Ramamurthy and K. Venkatesan, *Chem. Rev.*, **87**, 433, **1987**.

Photochemistry and Photophysics within Cyclodextrin Cavities,

V. Ramamurthy and D. F. Eaton, *Acc. Chem. Res.*, **21**, 300, **1988**.

Photoprocesses of Host–Guest Complexes in the Solid State.

V. Ramamurthy in *Photochemistry in Organized and Confined Media*, Ed., V. Ramamurthy, VCH Publishers, New York, **1991**, p. 303.

Bimolecular Photoreactions in Crystals.

K. Venkatesan and V. Ramamurthy in *Photochemistry in Organized and Confined Media*, Ed., V. Ramamurthy, VCH Publishers, New York, **1991**, p. 133.

Photoprocesses of Organic Molecules Included in Zeolites

V. Ramamurthy in *Photochemistry in Organized and Confined Media*, Ed., V. Ramamurthy, VCH Publishers, New York, **1991**, p. 429.

Photochemistry and Photophysics within Zeolites.

V. Ramamurthy, *Chimia*, **46**, 359, **1992**.

Photochemistry and Photophysical Studies of Organic Molecules Included within Zeolites.

V. Ramamurthy, D. F. Eaton and J. V Caspar, *Acc. Chem. Res.*, **25**, 299, **1992**.

Photochemistry in Organized and Confining Media: A Model, R. G. Weiss, V. Ramamurthy and G. S.

Hammond, *Acc. Chem. Res.*, **26**, 530, **1993**.

A Model for the Influence of Organized Media on Photochemical Reactions.,

V. Ramamurthy, R. G. Weiss and G. S. Hammond, *Adv. Photochem.*, **18**, 67, **1993**.

Photochemistry of Organic Molecules within Zeolites: Role of Cations,

V. Ramamurthy and N. J. Turro in *Inclusion Chemistry within Zeolites: Nanoscale Materials by Design*, Ed., N. Herron and D. R. Corbin, Kluwer Academic Press, Holland, **1995**, pp. 239-282.

Excited State Chemistry of Organic Molecules Included within Zeolites

V. Ramamurthy in *Surface Photochemistry*, Ed., M. Anpo, John Wiley, Chichester, **1996**, pp.65-115.

Zeolites as Supramolecular Hosts for Photochemical Transformations

V. Ramamurthy and M. Garcia-Garibay in *Comprehensive Supramolecular Chemistry*, Vol. 7, Ed., T. Bein, Pergamon Press, Oxford, U.K., **1996**, p 693.

Energy Transfer, Proton Transfer and Electron Transfer Reactions Within Zeolites,

V. Ramamurthy, P. Lakshminarasimhan, C. P. Grey and L. J. Johnston, *J. Chem. Soc. Chem. Commun.*, **1998**, 2411-2424. (Feature article)

Zeolite as a Medium for Photochemical Reactions

V. Ramamurthy, R. J. Robbins, K. J. Thomas and P. H. Lakshminarasimhan, in '*Organized Molecular Assemblies in the Solid State*', J. K. Whitsell (ed.), John Wiley: Chichester, **1999**, pp. 63-140.

Chiral photochemistry within zeolites.

A. Joy and V. Ramamurthy, *Chemistry: A European Journal*, **2000**, **6**, 1287.

Achieving Enantio and Diastereoselectivities in Photoreactions Through the Use of a Confined Space,

J. Sivaguru, J. Shailaja, S. Uppili, K. Ponchot, A. Joy, N. Arunkumar and V. Ramamurthy, *Organic Solid State Reactions*, F. Toda (Ed.), Kluwer Academic Press, **2002**, pp. 159-188.

Controlling With Cations: Photochemistry and Photophysics of Organic Molecules Through Alkali Metal Ion-Organic Interactions: Photochemistry within Zeolites

V. Ramamurthy, J. Shailaja, L. S. Kaanumalle, R. B. Sunoj, and J Chandrasekhar, *J. Chem. Soc. Chem. Comm.*, **2003**, 1987-1999. (Feature article)

Asymmetric Photoreactions Within Zeolites: Role of Confinement and Alkali Metal Ions

J. Sivaguru, A. Natarajan, L. S. Kaanumalle, J. Shailaja, S. Uppili, A. Joy and V. Ramamurthy, *Acc. Chem. Res.*, **2003**, 36, 509-521.

Chiral Photochemistry Within Zeolites

V. Ramamurthy, J. Sivaguru, N. Arunkumar, L. S. Kaanumalle, S. Karthikeyan, J. Shailaja and A. Joy, in *Chiral Photochemistry*, Y. Inoue and V. Ramamurthy (Eds.), Marcell Dekker: New York, **2004**, pp. 563-631

Solvent-Free Photosynthesis of Cyclobutanes: Photodimerization of Crystalline Olefins

Arunkumar Natarajan and V. Ramamurthy, in 'The Chemistry of Cyclobutanes', Z. Rappoport and J. F. Liebman (Eds.), John Wiley: Chichester, **2005**, pp. 807-872.

Chemistry in Restricted Spaces: Select Photodimerizations in Cages, Cavities and Capsules

V. Ramamurthy and A. Parthasarathy, *Israel. J. Chem.*, **2011**, 51, 817-829.

Controlling Photoreactions Through Noncovalent Interactions Within Zeolite Nanocages V. Ramamurthy

and J. Sivaguru, in *Supramolecular Photochemistry: Controlling Photochemical Processes*, V. Ramamurthy and Y. Inoue (eds.), John Wiley & Sons, Inc, Hoboken, **2011**, pp. 389-442.

Supramolecular photochemistry: From molecular crystals to water-soluble capsules

V. Ramamurthy and S. Gupta, *Chem. Soc. Rev.*, **2015**, 44, 119 -135

Supramolecular Photochemistry Concepts Highlighted with Select Examples

V. Ramamurthy and B. Mondal *J. Photochem. Photobiol. C: Photochem. Rev.*, **2015**, 23, 68-102.

Supramolecular Photochemistry in Solution and on Surfaces: Encapsulation and Dynamics of Guest Molecules, and Communication Between Encapsulated and Free Molecules

V. Ramamurthy, S. Jockusch and M. Porel, *Langmuir*, **2015**, 31, 5554-5570 (Invited Feature article)

Photochemistry within a water-soluble organic capsule,

V. Ramamurthy, *Acc. Chem. Res.* **2015**, 48, 2904-2917.

Supramolecular Photochemistry as a Synthetic Tool: Photocycloaddition

V. Ramamurthy and J. Sivaguru, *Chem. Rev.*, **2016**, 116, 9914-9993.

Selective Photocycloaddition of Alkenes in Confined Spaces: A Comparison between Cucurbiturils, Cyclodextrins, and Calixarenes as Reaction Containers

M. Pattabiraman, J. Sivaguru and V. Ramamurthy, *Israel J. Chem.* **2018**, 58, 264-275

Achiral Zeolites as Reaction Media in Chiral Photochemistry, V. Ramamurthy, *Molecules*, **2019**, 24, 3570; doi:10.3390/molecules24193570