

## Book Review

Georges Tsoucaris, Jerry L. Atwood and Janusz Lipkowski (Eds.), *Crystallography of Supramolecular Compounds* (ISBN 0-7923-4051-5), 520 pp. Kluwer Academic Publishers, Dordrecht/Boston/London, 1996. Published in cooperation with NATO Scientific Affairs Division, NATO ASI Series, Series C: Mathematical and Physical Sciences – Vol. 480.

This book contains the Proceedings of the NATO Advanced Study Institute on Crystallography of Supramolecular Compounds, Erice, Italy, June 1–11, 1995. It is a very good volume about supramolecular compounds, which refer to organized multimolecular assemblies and associated phenomena. *Crystallography of Supramolecular Compounds* is devoted to the development of general structural models for a large spectrum of compounds: ionophores, cryptates, fullerenes, calixarenes, cyclodextrins, cyclotrimeratrylenes, layered and pillared compounds, zeolites, clathrate hydrates, solvates and others. The largest section of papers cover the area of molecular recognition based on pre-organisation of molecular receptors leading to a large range of devices including switches and sensors. Molecular dynamics, thermodynamics of supramolecules, solid state NMR spectroscopy and applications to inclusion compounds are discussed in detail. Finally valuable tutorials on molecular modeling, including a PC floppy disk on 'An Interactive Kinetic Approach to the Study of Supramolecular Structures' (by E. Eliopoulos and I.M. Mavridis) are presented in the Appendix.

Overall, then, this book is essential reading for all researchers, scientists and students working in the supramolecular field.

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