



## Book Review

**Polymethine Dyes. Structure and Properties.** Published by St. Kliment Ohridski University Press, Bulgaria. 249 pp. Price: \$45.00.

The basic theme of this monograph is to review recent developments in experimental and theoretical studies within the polymethine dye class.

General synthetic routes (A. Mehlhorn) are dealt with briefly, since existing sources cover this field in depth. Detailed chapters pertain to reactions of polymethine dyes (A. Mehlhorn), energy spectrum and electronic structure (N. Tyutyulkov and A. Tadjer), molecular and aggregate structure (F. Dietz), colour and photophysical properties (J. Fabian), photochemistry and spectral sensitisation (F. Dietz) and radical polymethine dyes (J. Fabian). The monograph is well presented, in a clear and very readable form, and is amply illustrated with tables, figures and structures. References are numbered 1–868, but with sub-references within many of these, the total references cited exceed 1500, and cover the literature to 1989. This is a worthwhile addition to the dye chemistry bookshelf and would prove informative reading either as an introduction to polymethine dyes, and more particularly as a source of more recent developments in the chemistry, spectroscopy and photophysics of the dyes (including all pertinent references). Recommended.

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