

Dyestuffs for liquid crystals

Ion SEBE^a and Elena ȚÎNȚĂVEANU^b

^a*“Politehnica” University, Faculty of Chemistry, Bucharest*
^b*Veterinary Public Health and Hygiene Institute, Bucharest, Romania*

Abstract This paper presents the synthesis of some azopolymeric dyes with photochromic and liquid crystalline properties. The synthesis of these dyes is performed in a succession of reactions of diazotization - coupling and by the condensation of the aminoazo derivatives with acryloil chlorine. Then, some polymeric dyes were synthesized, to be used as liquid crystals. The properties of the resulted dyes were checked by infrared spectroscopy, by determining the characteristic groups in polymeric products and their intensity in the absorption spectra of the molecules.

Keywords: acryloil chlorine, dyestuffs for liquid crystals, IR spectra
