

Curriculum vitae

Assoc. Prof. Srećko Valić

(Born November 5, 1961 in Rijeka, Croatia)

Present position

Associate Professor, School of Medicine, University of Rijeka, Croatia and Senior Research Associate, Rudjer Bošković Institute, Zagreb Croatia

Past experience

1999-2005: Assistant Professor, School of Medicine, University of Rijeka, Croatia & Research Associate, Rudjer Bošković Institute, Zagreb Croatia. 1993-1999: Higher Assistant, Rudjer Bošković Institute, Zagreb Croatia. 1989-1993: Assistant, Rudjer Bošković Institute, Zagreb Croatia. 1986-1989: Postgraduate Student, Rudjer Bošković Institute, Zagreb Croatia

Relevant experience

Study of molecular dynamics and structure in multiphase polymer systems by magnetic resonance methods (NMR, ESR, DMESR). Molecular orientation. Homogeneity of polymer matrix. Anisotropy of molecular motions. Crystallization of polymers. Relationship between the microstructure and macroscopic properties of polymers.

Awards

Award in Physical Chemistry for the year 1996, Croatian Chemical Society.

List of five chosen recent publications

1. Valić S.; Deloche B.; Gallot Y.; Skoulios A. (1995): Orientational diffusion of homopolymer chains in a lamellar structure of diblock copolymer: a deuterium NMR study, *Polymer* **36** 3041-3044.
2. Valić S.; Deloche B.; Gallot Y. (1997): Uniaxial dynamics in a semicrystalline diblock copolymer, *Macromolecules* **30** 5976-5978.
3. Valić S.; Sotta P.; Deloche B. (1999): ²H-NMR study of a deformed poly(dimethylsiloxane) rubber network below and above the crystallization temperature, *Polymer* **40** 989-994.
4. Valić S.; Judeinstein P.; Deloche B. (2003): Analysis of deuterium NMR spectra of probe chains diffusing in a stretched polybutadiene network, *Polymer* **44** 5263-5267.
5. John J.; Klepac D.; Didović M.; Sandesh C.J.; Liu Y.; Raju K.V.S.N.; Pius A.; Valić S.; Thomas S. (2010): Main chain segmental dynamics of semi interpenetrating polymer networks based on polyisoprene and poly(methyl methacrylate), *Polymer* **51** 2390-2402.