

Curriculum vitae

Damir Klepac, M. Sc.

(Born March 29, 1980, Rijeka, Croatia)

Present position

Assistant at the School of Medicine, University of Rijeka, Croatia and member of Centre for Micro and Nano Sciences and Technologies.

Relevant experience

Study of molecular dynamics and structure in multiphase polymer systems by electron spin resonance (ESR) and differential scanning calorimetry (DSC) methods. Diffusion of gases through thin polymer films. Molecular orientation. Homogeneity of polymer matrix. Anisotropy of molecular motions. Crystallization of polymers. Relationship between the microstructure and macroscopic properties of polymers.

List of recent publications

1. Didović M.; Klepac D.; Valić S. (2008): ESR - Spin Probe Method in Studying Natural Rubber: an Effect of the Probe Incorporation Temperature. *Macromolec. Symp.* **265** 144-147.
2. Dubrović I.; Klepac D.; Valić S.; Žauhar G. (2008): Study of natural rubber crosslinked in the state of uniaxial deformation, *Rad. Phys. & Chem.* **77** 811-817.
3. 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.