

## **Rezultate**

- 1) *Physics of Polymers at the Italian High-Field EPR Facility: Heterogeneities and Fast Dynamics*, **V.Bercu**, M.Martinelli, C. A.Massa, L. A.Pardi and D.Leporini, Applied Magnetic Resonance, Vol. 33, no. 4, pp.365-370, 2008
- 2) *Anomaly of the rotational nonergodicity parameter of glass formers probed by high field electron paramagnetic resonance* , **V.Bercu**, M.Martinelli, C. A.Massa, L. A.Pardi, E.Rossler and D.Leporini Journal of Chemical Physics-Communication, Vol. 129, 081102, 2008
- 3) *EPR spectroscopy in the study of the laser irradiation effects on the biological tissue*, V.Bercu, M.Petrus, "The INDLAS 2008 Modern Laser Applications", May 20-30, Bran, Romania
- 4) *New features of the charge compensation mechanisms of Mn<sup>2+</sup> in NaCl performed by multifrequency HF-EPR spectroscopy*, N. Barascu, L. A. Pardi, C. A. Massa, S. Nistor, M. Stefan, A. Darabont, C. Neamtu, **V. Bercu** and F. F. Popescu, "Annual Scientific Conference of the Faculty of Physics", Bucharest, June 2008.
- 5) *The influences of the polymeric chain conformation on the EPR spectra*. O. Ducu, L. A. Pardi, C. A. Massa, D. Leporini, F. F. Popescu, **V. Bercu**, "Annual Scientific Conference of the Faculty of Physics", Bucharest, June 2008.
- 6) *Evidence for delocalized spin projection in the Suzuki phase nanostructures of NaCl:Mn<sup>2+</sup> by high-field EPR spectroscopy*, F. F. Popescu L. A. Pardi, C. A. Massa, S. Nistor, M. Stefan, A. Darabont, C. Neamtu and **V. Bercu** "Conferinta Nationala de Fizica (CNF)", Bucuresti 10-13 Septembrie 2008
- 7) *Identifying the anomaly of the rotational non-ergodicity parameter in glass formers by High-Field Electron Paramagnetic Resonance*, **V.Bercu**, M.Martinelli, CA. Massa, L.Pardi, E. Rossler, and D. Leporini "Conferinta Nationala de Fizica (CNF)", Bucuresti 10-13 Septembrie 2008