



Eugenia Kovacs, Professor of Biophysics at Carol Davila Medical University, Biophysics and Cell Biotechnology Department, Bucharest, Romania (2000-)

Nationality: Romanian, Born in Ismail, Ukraina at 12.03.1994. Married, having a daughter and a son.

Scientific Societies & Bodies:

- President of the Romanian Society of Pure and Applied Biophysics (from 2005)
- Secretary General of the Romanian Biophysical Society from 1997 to 2005
- Council member of the International Society of Bioelectrochemistry (BES) from 2000
- IUPAB Council Member (from 2008)
- Director of 5 International Biophysics Schools dedicated to Applications of Biophysics Techniques in Medical Research (1997, 2002, 2003, 2005 and 2007)

Member in the Advisory Board of

- International Conference on Charge & Field Effects in Biosystems, Richmond, Virginia, 1994
- XVIIth XVIII and XIXth Symposiums of the International Society of Bioelectrochemistry (Firenze, Italy, June 2003, Coimbra, Portugal, June 2005 and Toulouse, April 2007)
- International Conference of Biological Effects of Electromagnetic Fields (Crete, October 2006)
- Organizer of the 20th International Symposium of Bioelectrochemistry and Bioenergetics (Sibiu, Romania, May 9-13, 2009)
- Member of the EC –Science Directorate, WIRDEM Expert Group o(Women in Science Decision Making), 2006-2007

Editorial Boards

- Member in the Editorial Board of *Electromagnetic Biology and Medicine*, New York(Taylor & Francis Group, LLC
- Member in the Editorial Board of *Romanian Journal of Biophysics*, Romanian Academy of Sciences

Invited lectures (selected, from 2003)

Greece: National Technical University in Athens, Physics Department, Faculty of Applied Mathematical and Physical Sciences: every year 2003-2007

Papers (from 2005)

1. *Microscopic observation of living cells during their exposure to modulated electromagnetic fields* - M.G. Moisescu, P. Leveque, J.-R. Bertrand, E. Kovacs and L.M. Mir, *Bioelectrochemistry*, 2007, 21 (November) DOI 10.1016/j.bioelechem.2007.11.003
2. *Metabolic Profilling of Urine by H-NMR Spectroscopy. A critical assessment of interpreting Metabolite*, Coziana Ciurtin, Alina Nicolescu, Lorena Ivona Stefan, Eugenia Kovacs, Ian C. Smith, *Rev. Chim.(Bucharest)*, 2007, 58 (1), 51-55

3. *Study about cell adhesion kinetics on solid biomatrices-* I.O. Doagă, T. Savopol, A. Neagu, E. Kovács - *Rom. J. Biophys.*, 2007, 17(3), 177-183
4. *Electroporation of malignant cells for enhanced uptake of therapeutic drugs,* Florin Ciobanu, Mihai Radu, Mihaela Moisescu, Marius Surleac, Laura Bajenaru, Tudor Savopol, Eugenia Kovacs, *Rom. J. Biophys.*, 2007, 17(3), 211-217
5. *Evaluation of trapping efficiency of optical tweezers by dielectrophoresis,* E. Papagiakoumou, D. Pietreanu, M. Makropoulou, E. Kovacs, A. Serafetinides - *J. Biomed. Optics* 2006, 11(1) 1-8
6. *Correlation between different components of synovial fluid and pathogenesis of rheumatic diseases-* Ciurtin C, Cojocaru VM, Miron I.M., Preda F., Milicescu M., Bojincă M., Costan O., Nicolescu A., Deleanu C., Kovács E., Stoica V. - *Rom J. Intern. Med.* 2006, 44(2):171-81.
7. *Effects of 1800 MHz GSM radiation on human monocytes and trombocytes membrane anisotropy* - G. Sajin, T. Savopol, E. Kovacs, I. Miron - *IEEE Eng. Med. Biol. Soc.* 2005, 7, 7313-7316.
8. *Orientation behavior of rod photoreceptors in alternating electric field-* Mihai Radu, M.Ionescu, N. Irimescu, K.Iliescu, R. Pologea, E. Kovacs - *Biophysical J.*, 2005, 89:3548-3554.