

Abstracts in international scientific journals (E)

- E20.** A.J. Wolfe, M.M. Mohammad, S. Cheley, H. Bayley and **L. Movileanu**, 2008, Catalyzing the translocation of polypeptides through an engineered transmembrane pore. *Biophys. J.*, **94(1)**, 502A.
- E19.** M.M. Mohammad, S. Biswas, D.R. Patel, B. Van den Berg, **L. Movileanu**, 2008, Electrophysiological characterization of a substrate-specific bacterial outer membrane protein. *Biophys. J.*, **94(1)**, 389A.
- E18.** C. Chimere, S. Pezeshki, U. Kleinekathöfer, **L. Movileanu** and M. Winterhalter, 2008, Temperature dependent ionic conductance of OmpF: the effect of the confinement, *Biophys. J.*, **94(1)**, 338A.
- E17.** C. Chimere, **L. Movileanu**, U. Kleinekathöfer, M. Winterhalter, 2007, Temperature dependent conductance of OmpF: single channel recording and molecular dynamics, *Biophys. J.*, **92(1)**, 345A.
- E16.** C. Chimere, M. Winterhalter and **L. Movileanu**, 2006, Temperature dependent voltage-induced gating of OmpF, *Biophys. J.*, **90(1)**, 521A.
- E15.** **L. Movileanu** and H. Bayley, 2005, Peptide binding to a transmembrane protein pore, *Biophys. J.*, **88(1)**, 552A.
- E14.** Y.H. Jung, **L. Movileanu** and H. Bayley, 2005, Temperature-responsive protein nanopores, *Biophys. J.*, **88(1)**, 332A.
- E13.** **L. Movileanu** and H. Bayley, 2004, Passive entry of a folded peptide into a nanopore. *Biophys. J.*, **86(1)**, 474A.
- E12.** **L. Movileanu**, J.M. Benevides and G.J. Thomas Jr., 2003, Raman spectroscopy resolves base and backbone contributions to the thermodynamics of DNA melting and premelting: application to A·T sequence isomers. *Biophys. J.*, **84(2)**, 179A-180A.
- E11.** **L. Movileanu**, S. Cheley and H. Bayley, 2003, Partitioning of flexible polymers into a transmembrane protein pore. *Biophys. J.*, **84(2)**, 53A.
- E10.** G. E. Miles Jr., **L. Movileanu** and H. Bayley, 2003, Subunit composition of a bicomponent toxin: staphylococcal leukocidin forms an octameric transmembrane pore. *Biophys. J.*, **84(2)**, 531A-532A.
- E9.** **L. Movileanu**, S. Howorka, S. Cheley, O. Braha and H. Bayley, 2002, Interrogating large ion channels with tethered flexible polymers: a new strategy for basic science and nanobiotech. *Biophys. J.* **82(1)**, 918.
- E8.** S. Howorka, S. Cheley, **L. Movileanu**, O. Braha, and H. Bayley, 2002, DNA duplex formation of individual DNA strands within a single protein pore. *Biophys. J.* **82(1)**, 2482.
- E7.** **L. Movileanu**, S. Cheley, S. Howorka, O. Braha and H. Bayley, 2001a, Probing the location of a constriction in a protein pore by targeted covalent attachment of polymers. *Biophys. J.* **80(1)**, 601.
- E6.** **L. Movileanu**, S. Howorka, S. Cheley, O. Braha and H. Bayley, 2001b, Dynamics of a neutral flexible polymer in the lumen of a transmembrane protein pore. *Biophys. J.* **80(1)**, 602.
- E5.** **L. Movileanu**, S. Howorka, X. Lu, S. Cheley, O. Braha and H. Bayley, 2000, Probing conformational fluctuations of a single polymer chain in the lumen of a transmembrane pore. *Biophys. J.* **78(1)**, 176A.
- E4.** J.M. Benevides, **L. Movileanu** and G.J. Thomas, Jr., 2000, Local and nonlocal structural changes associated with premelting and melting transitions of double-stranded B DNA: new insights from Raman spectroscopy. *Biophys. J.* **78(1)**, 132A.
- E3.** **L. Movileanu**, J.M. Benevides, and G.J. Thomas, Jr. 1999a. Structure and thermostability of DNA containing A·T pairs in alternating and non-alternating sequences: investigation by Raman difference spectroscopy. *Biophys. J.* **76(1)**, A315.
- E2.** **L. Movileanu**, 1995, A rapid method for computer modelling of ion transport through intestinal cells. *Ital. J. Gastroenterol.* **27(3)**, 162.
- E1.** **L. Movileanu**, R.B. Bajnath, H. Bouritius, K. Dekker and J.A. Groot, 1994, Cellular and transepithelial responses of the HT-29 cl.19A human colonocytes to K-substitutions. Electromotive forces of the cellular pathway. *J. Physiol.(London)* **479.P**, 62P.

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- F2.** D. Mihailescu, M.L. Flonta and **L. Movileanu**, 1997, Problems of Biophysics, Bucharest University Press, Bucharest, pp. 1-201. (for students' use)
- F1.** M.-L. Flonta, D.G. Margineanu and **L. Movileanu**, 1992, Biophysics-Part I, Bucharest University Press, Bucharest, pp. 1-301. (for students' use)

Articles in Romanian scientific journals (G)

- G21.** B. Amuzescu, S. Ion, D. Popescu, **L. Movileanu**, B. Macri, and M.-L. Flonta, 2002, Thermal group motion creates stochastic pores in planar phosphatidylcholine bilayers, *Romanian J. Biophys.* **12(1-2)**, 37-52.
- G20.** D. Popescu, **L. Movileanu**, F. Pluteanu, S. Avram, D. Marinescu and M.-L. Flonta, 2001, The elastic waves induce the appearance of pores in a lipid bilayer membrane (II), *Romanian J. Biophys.* **11(3-4)**, 163-170.
- G19.** **L. Movileanu**, 1997, Contributions toward the study of biophysical aspects of molecular associations inside the lipid bilayer of biological membranes, Ph.D. Thesis, University of Bucharest, Report, pp. 1-25 (10th April 1997).
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- G17.** **L. Movileanu**, 1995c, 13th European Intestinal Transport Group (EITG) Meeting - Congress Reports. *Romanian J. Gastroenterol.* **4**, 172-173.
- G16.** **L. Movileanu**, 1995b, Epithelial transport modelling on sea water fish intestinal cells. II. The steady state condition analysis. *Romanian J. Biophys.* **5**, 125-133.
- G15.** **L. Movileanu**, 1995a, Epithelial transport modelling on sea water fish intestinal cells. I. Computing strategy. *Romanian J. Biophys.* **5**, 111-123.
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- G13.** A.I. Popescu and **L. Movileanu**, 1995, Society's Life - Third National Conference of Biophysics. *Romanian J. Biophys.* **5**, 79-81.
- G12.** **L. Movileanu**, 1994, Symposia Reports - FEBS Special Meeting Biological Membranes. *Romanian J. Biophys.* **4**, 68-69.
- G11.** **L. Movileanu** and I. Ion, 1994, Investigations on some dissipative structures from multi-enzimatic systems. *St. Cerc. Biochim.* **37**, 3-11.
- G10.** **L. Movileanu**, 1993, Examination of deterministic chaos in biochemical systems. *Anal. Univ. Bucuresti, Fizica* **42**, 7-14.
- G9.** **L. Movileanu**, 1993, Hopf bifurcation occurrence in a multiply regulated biochemical system. *Romanian J. Biophys.* **3**, 123-127.
- G8.** **L. Movileanu** and I. Ion, 1993, A computer simulation of the chaotic states in biochemical systems. *Romanian J. Phys.* **38**, 714-724.
- G7.** **L. Movileanu** and D. Popescu, 1993, Hydrophobic chain-length influence on the selectivity of association processes into single-chain binary mixture. *Rev. Roum. Biochim.* **30**, 115-125
- G6.** **L. Movileanu** and M.L. Flonta, 1991-1992, The analysis of oscillatory biological systems in two-variable models. *Anal. Univ. Bucuresti, Fizica* **40-41**, 81-88.
- G5.** **L. Movileanu**, G. Serban, D. Mihailescu, M.-L. Flonta and P.T. Frangopol, 1992, An investigation on the topology of chaos in a multiply regulated biochemical system. *Romanian J. Biophys.* **2**, 77-83.
- G4.** **L. Movileanu** and M.L. Flonta, 1992, Low dimensional chaotic states in biochemical systems. *Rev. Roum. Biochim.* **29**, 207-214.
- G3.** **L. Movileanu** and M.L. Flonta, 1991, Informational study on the correlation primary structure - tertiary structure of proteins. *St. Cerc. Fiz.* **43**, 619-625.
- G2.** **L. Movileanu** and A.I. Popescu, 1990, Complex oscillatory phenomena in biochemical systems. *Anal. Univ. Bucuresti, Fizica* **39**, 41-50.
- G1.** A.I. Popescu and **L. Movileanu**, 1990, The primary structure-three dimensional structure correlation in the case of proteins. *Anal. Univ. Bucuresti, Fizica* **39**, 31-40.

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- H19.** **L. Movileanu**, Single-molecule stochastic sensing using nanopores, the 2nd Regional Biophysics Conference 2007, 21-25 August, 2007, Balatonfured, Hungary, pp. 52.
- H18.** **L. Movileanu**, Y.H. Jung, and H. Bayley, Temperature-responsive protein nanopores. European Biophysical Society Workshop, "Biophysical Chemistry meets Molecular Medicine", June 1-4, 2005, Sesimbra Beach, Portugal, pp. 29.

- H17. L. Movileanu**, Y.H. Jung, and H. Bayley, Engineering a temperature-responsive nanopore, The National Academies Keck Future Initiative Conference: "Designing Nanostructures at the Interface between Biomedical and Physical Systems, 18-21 November, 2004, Irvine, California, USA. pp. 52
- H16. L. Movileanu**, S. Howorka, X. Lu, S. Cheley, O. Braha and H. Bayley, Single molecule detection of proteins, 2000 Lost Pines Molecular Biology Conference, 13-15 October, 2000, Smithville, Texas, USA, pp. 102.
- H15. L. Movileanu**, M.L. Flonta, D. Mihailescu and P.T. Frangopol, Explanation of the flip-flop diffusion by the selective association of phospholipids into bilayer lipid membranes, 11th Balkan Biochemical and Biophysical Days, 15-17 May, 1997, Thessaloniki, Greece, pp. 9 (abstract in English).
- H14. L. Movileanu**, M.L. Flonta, D. Mihailescu and P.T. Frangopol, Mechanisms of ionic transport processes through fish intestinal epithelial cells, 11th Balkan Biochemical and Biophysical Days, 15-17 May, 1997, Thessaloniki, Greece, pp.8 (abstract in English).
- H13. L. Movileanu**, D. Popescu and M.L. Flonta, Statistical mechanics in the study of bilayer lipid membranes, The FEBS Advanced Course "Membrane Transport Processes and Signal Transduction", 24-31 August, 1997, Bucharest, Romania (abstract in English).
- H12. M.T. Nechifor, L. Movileanu**, M.L. Flonta and R. Mester, Biochemical changes induced by UVA irradiation in cellular homogenates and the interference of antioxidants, The NATO Workshop "Molecular Mechanisms of Signalling and Targeting", 18-30 August, 1996, Island of Spetsai, Greece (abstract in English).
- H11. L. Movileanu** and D. Popescu, Sensitivity of hydrophobic effects to the changes in external aqueous medium for a single-chain binary mixture, The NATO Workshop "Molecular Dynamics of Biomembranes", 19th June - 1st July, 1995, Cargèse, Corsica, France (abstract in English).
- H10. L. Movileanu** and D. Popescu, Electrostatic forces and lipid-lipid interactions in biological membranes, Young Scientists Programme to the 16th International Congress of Biochemistry and Molecular Biology, 16th-7th September, 1994, New Delhi, India, pp. 24, (abstract in English).
- H9. L. Movileanu** and D. Popescu, Specific interactions and association phenomena into single-chain binary mixtures, contribution to the International FEBS Special Meeting "Biological Membranes", organized by the Federation of European Biochemical Societies, 25th June - 1st July, 1994, Helsinki, Finland, pp. 51 (abstract in English).
- H8. L. Movileanu**, R.B. Bajnath, H. Bouritius, K. Dekker and J.A. Groot, Cellular and transepithelial responses of the HT-29 cl.19A human colonocytes to K-substitutions. Electromotive forces of the cellular pathways, contribution to the Joint Meeting of the Physiological Society and Dutch Society for Physiology, 10th-11th June, 1994, Nijmegen, The Netherlands, pp. 68 (abstract in English).
- H7. L. Movileanu** and D. Popescu, Sensitivity of amphiphile molecule association to adjacent electrolytic changes, National Conference of Physics, 13-15 September, 1993, Constantza, Romania, pp. 121 (abstract in Romanian).
- H6. L. Movileanu** and D. Popescu, An investigation on the binary mixture of single-chain amphiphiles into planar monolayers. A 3D approach, Contribution to International Symposium "Dynamics and Function of Biomolecules", 30th July - 2nd August, 1993, Szeged, Hungary, pp. 70 (abstract in English).
- H5. L. Movileanu** and M.L. Flonta, Erratum to BioSystems, 24 (1990) 31-37.
- H4. A.I. Popescu and L. Movileanu**, Temporal organization in dissipative structures of biochemical interest, National Conference of Physics, 1990, Cluj-Napoca, Romania, pp. 23 (abstract in Romanian).
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