



LISTA DE LUCRARI

a) Maximum 10 lucrari relevante pentru realizarile profesionale

Corina Ciobanasu, Bruno Faivre and Christophe Le Clainche, *In vitro reconstitution of actomyosin-dependent mechanosensitive protein complexes*, **Nature Protocols** (accepted)

Corina Ciobanasu, Bruno Faivre and Christophe Le Clainche, *Actomyosin-dependent formation of the mechanosensitive talin–vinculin complex reinforces actin anchoring*, **Nature Communications**, 5: 3095, 2014, DOI: 10.1038/ncomms4095

Corina Ciobanasu, Bruno Faivre and Christophe Le Clainche, *Integrating actin dynamics, mechanotransduction and integrin activation: the multiple functions of actin binding proteins in focal adhesions*, **European Journal of Cell Biology**, 92(10-11), 2013, 339-348

Katharina M. Scherer, Imke Wiedemann, **Corina Ciobanasu**, Hans-Georg Sahl, and Ulrich Kubitscheck, *Aggregates of Nisin with Various Bactoprenol-containing Cell Wall Precursors Differ in Size and Membrane Permeation Capacity*, **BBA Biomembranes**, 1828(11), 2013, 2628–2636

Corina Ciobanasu, Bruno Faivre, and Christophe Le Clainche, *Actin Dynamics Associated with Focal Adhesions*, **International Journal of Cell Biology**, vol. 2012, Article ID 941292, 9 pages, 2012. doi:10.1155/2012/941292

„Mobility and Translocation of TAT Peptides in Model Membranes”, 2009, <http://hss.ulb.uni-bonn.de/2010/2284/2284.htm>, "Institute of Physical and Theoretical Chemistry", Rheinische Friedrich-Wilhelms University Bonn, Germany

Corina Ciobanasu, Jan Peter Siebrasse and Ulrich Kubitscheck, *Cell penetrating HIV1 TAT peptides can form pores in model membranes*, **Biophysical Journal**, 99 (1) 2010, 153-162

Corina Ciobanasu, Enno Harms, Gisela Tünnemann, M. Cristina Cardoso and Ulrich Kubitscheck, *Cell-penetrating HIV1 TAT peptides float on model lipid bilayers*, **Biochemistry**, 2009, 48 (22), 4728–4737

T. Malutan, **Corina Mocanu**, S. Ciovisa, *Synthesis and characterization of new cellulose derivatives in a dimethylacetamide/lithium chloride homogeneous system*, **Cellulose Chemistry and Technology**, 42(1/3), 2008, 1-7, ISSN: 0576-9787

b) Teza de doctorat

„Mobility and Translocation of TAT Peptides in Model Membranes”, 2009, <http://hss.ulb.uni-bonn.de/2010/2284/2284.htm>, ”Institute of Physical and Theoretical Chemistry”, Rheinische Friedrich-Wilhelms University Bonn, Germany

c) Carti si capitole in carti

d) Articole/studii publicate *in extenso*, in reviste din circuitul stiintific international,

Corina Ciobanasu, Bruno Faivre and Christophe Le Clainche, *Actomyosin-dependent formation of the mechanosensitive talin–vinculin complex reinforces actin anchoring*, **Nature Communications**, 5: 3095, 2014, DOI: 10.1038/ncomms4095

Corina Ciobanasu, Bruno Faivre and Christophe Le Clainche, *Integrating actin dynamics, mechanotransduction and integrin activation: the multiple functions of actin binding proteins in focal adhesions*, **European Journal of Cell Biology**, 92(10-11), 2013, 339-348

Katharina M. Scherer, Imke Wiedemann, **Corina Ciobanasu**, Hans-Georg Sahl, and Ulrich Kubitscheck, *Aggregates of Nisin with Various Bactoprenol-containing Cell Wall Precursors Differ in Size and Membrane Permeation Capacity*, **BBA Biomembranes**, 1828(11), 2013, 2628–2636

Corina Ciobanasu, Bruno Faivre, and Christophe Le Clainche, *Actin Dynamics Associated with Focal Adhesions*, **International Journal of Cell Biology**, vol. 2012, Article ID 941292, 9 pages, 2012. doi:10.1155/2012/941292

Corina Ciobanasu, Jan Peter Siebrasse and Ulrich Kubitscheck, *Cell penetrating HIV1 TAT peptides can form pores in model membranes*, **Biophysical Journal**, 99 (1) 2010, 153-162

Corina Ciobanasu, Enno Harms, Gisela Tünnemann, M. Cristina Cardoso and Ulrich Kubitscheck, *Cell-penetrating HIV1 TAT peptides float on model lipid bilayers*, **Biochemistry**, 2009, 48 (22), 4728–4737

T. Malutan, **Corina Mocanu**, S. Ciofica, *Synthesis and characterization of new cellulose derivatives in a dimethylacetamide/lithium chloride homogeneous system*, **Cellulose Chemistry and Technology**, 42(1/3), 2008, 1-7, ISSN: 0576-9787

e) Articole/studii publicate *in extenso*, in volumele conferintelor internationale de specialitate,

Katharina Scherer, Imke Wiedemann, **Corina Ciobanasu**, Hans-Georg Sahl, Ulrich Kubitscheck, (2012), „Fluorescence Microscopy Monitoring of Nisin Binding To Bactoprenol Bound Cell Wall Precursors”, **Biophys J**, **102**(3): 92a

Corina Ciobanasu and Ulrich Kubitscheck, (2010), „Single Molecule Microscopy- an Attractive Tool for Characterization of Nanoenvironments”, **Mod. Polym. Mat. Env. Appl.**, **4**:47-53

Corina Ciobanasu and Ulrich Kubitscheck, (2009) „HIV1 TAT peptides translocate efficiently into giant unilamellar vesicles”, Eur Biophys J, **38** (Suppl 1):S199

Malgorzata Hermanowska, Goran Bijelic, **Corina Ciobanasu**, Ulrich Kubitscheck, Per Claesson, Beate M. Klösger, „Charges in phospholipid layers” (2009), Biophys J, **96**(3): 18a,

Corina Mocanu, S. Ciofica, K. Pielichowski, Alina Murariu, J. Pielichowski, J. Polaczek (2006), „Synthesis of Phosphorylated Cellulose for Biomaterials Applications”, Mod. Polym. Mat. Env. Appl., **2**: 109-112

Alina Murariu, K. Pielichowski, S. Ciofica, C. Murariu, I. Pielichowski, Th. Malutan, **Corina Mocanu**, J. Pielichowski, J. Polaczek (2006), „Pressure and Water Absorption Effects in Drug Delivery Matrix Based on Cellulose-Poly(Aspartic Acid) Composite Material”, Mod. Polym. Mat. Env. Appl., **2**: 113-116

Corina Mocanu, K. Pielichowski, A. Murariu, S.Ciofica, J. Pielichowski, J. Polaczek (2004), “Cellulose Dissolution in LiCl/DMAc System- an Important Step in Cellulose Functionalization Towards Biodegradable Composites”, Mod. Polym. Mat. Env. Appl., **1**:101-104,

A. Murariu, K. Pielichowski, **Corina Mocanu**, S.Ciofica, J. Pielichowski, J. Polaczek, (2004) “Implantable DrugDelivery System Based on Cellulose-Poly(Aspartic Acid) Composite Materials”, Mod. Polym. Mat. Env. Appl., **1**:105-108

f) Alte lucrari si contributii stiintifice.

Corina Mocanu, S.Ciofica, A. Murariu, K. Pielichowski, “Cellulose Dissolution in Lithium Chloride/N,NDimethylacetamide System under Microwave Irradiation”, *Buletinul Institutului Politehnic Iași. Secția Chimie și Inginerie Chimică*, 2005, Issue LI-LV (3-4), 86-97

Corina Mocanu, Sorin Ciofica, “Pulp Dissolving. Present status and future. I Pulp real solvents”, *Celuloza si hartie*, **57** (1), 27-31, 2008

Corina Mocanu, Sorin Ciofica, “Pulp Dissolving. Present status and future. II Pulp reactive solvents”, *Celuloza si hartie*, **57**(1), 41-45, 2008

Th. Măluțan, **Corina Mocanu**, "Synthesis of phosphorylated cellulose in homogeneous medium DMAc/LiCl and their characterization by FTIR spectroscopy", *Celuloza si hartie*, **56**(1), 38-43, 2007

Corina Mocanu, S.Ciofica, A. Murariu, K. Pielichowski, “Poly(Aspartic Acid)- a Biodegradable Polymer with high possibilities for Environmentally Friendly Application”, *Societatea Româna a Chimistilor Cosmetologi*, 2006, **6**(1), 42-60,

A. Murariu, K. Pielichowski, S.Ciofica, J. Pielichowski, **Corina Mocanu**, J. Polaczek, E. Tylek, “Microwave Irradiation as a Novel Alternative for Poly(Aspartic Acid) Synthesis”, *Societatea Româna a Chimistilor Cosmetologi*, 2005, **5**(2), 34-43