



# Curriculum vitae Europass

## Personal informations

Surname / First name **BARBU-TUDORAN Lucian**  
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 E-mail [lbarbu@biolog.ubbcluj.ro](mailto:lbarbu@biolog.ubbcluj.ro)  
 Nationality Romanian  
 Birth date 16 June 1972  
 Sex male

## Work experience

From - to	10/2009 - today	02/2004 - 10/2009	11/1999 - 02/2004
Position	Lecturer	Teaching assistant	PhD-student
Responsibilities	Courses and practicals for Cell Biology and Electron Microscopy	Practicals for Cell Biology and Electron Microscopy	Research
Employer	Babes-Bolyai University, Faculty of Biology and Geology, Department for Molecular Biology and Biotechnology, 1 M. Kogalniceanu Street, cod 400648, Cluj-Napoca, Romania		
Activities	Teaching	Teaching	Research

## Education

From - to	17-23 02/2008	10-15 06/2007	15-19 05/2006	07-10/2003, 2004, 2005, 2007, 2008	11/2001- 05/2002	11/1999- 11/2007	09/1995- 07/1999	09/1993- 07/1995	09/1991- 07/1994	09/1986- 07/1990
Subjects	Combination of Electron Microscopy and X-Ray Crystallography for structure determination	<u>Cryo Electron Microscopy of Vitreous Sections (CEMOVIS)</u>	<u>Cryo Electron Microscopy in Life Science</u>	<u>Modern Methods in Structural Molecular Biology</u> Negative staining and image processing of single molecule, CryoEM, and time-resolutionEM	PhD-student fellowship "Nanoparticles - drug delivery system for Paclitaxel in restenosis"	PhD-student, "Contributii privind structura ultrastructurii a si functiile corpusculului de glicogen la pasari"				
Organization	EMBO Course, CNRS Gif-sur-Yvette, France	Course at the Max Planck Institute of Biochemistry Department of Molecular Structural Biology, Martinsried, Germany	Course at the FEI Application Laboratory in Eindhoven, The Netherlands	Marie Curie Training Site at the University of Leeds, UK	Philips Marburg University, Faculty of Electron Microscopy Center, Marburg, Germany	Babes-Bolyai University, Faculty of Biology and Geology, Department for Molecular Biology and Biotechnology	Babes-Bolyai University, Faculty of Biology and Geology, Department for Molecular Biology and Biotechnology	Medical University "Spiru Haret", Cluj-Napoca (Romania)	Balneofiziote rapie, Colegiul "Victor Babeș", Cluj-Napoca (Romania)	"Horea, Cloșca și Crișan", High School, Alba-Iulia (Romania)

## Other language

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C2	Very good	C2	Very good	C2	Very good	C2	Very good	C2	Good

Research projects (member):

1. PNCDI Ecocol 23/2004 : 45.000 lei, 2004-2006.
2. PNCDI Aeroșpațial 2288/2004 : 33.000 lei, 2004-2006.
3. CEEX Digintex 23/2005 : 100.000 lei, 2005-2007.
4. CEEX Adexplant 99/2006 : 536.000 lei, 2006-2008.
5. CEEX Nanomagmetnob 59/2006 : 150.000 lei, 2006-2008.
6. CEEX Nanoel 75/2006 : 50.000 lei, 2006-2008.
7. CEEX Biofuelmark 71/2006 : 2006-2008.
8. CEEX Moldivciano 59/2006 : 2006-2008.
9. CNCSIS 15/366/2006 : 50.000 lei, 2006.
10. CEEX Nanobiospec 71/2006 : 50.000 lei, 2006-2008.
11. CEEX Nanoin 5/2005 : 50.000 lei, 2005-2008.
12. CEEX Optolum 31/2005 : 75.000 lei, 2005-2008.
13. CEEX Nanelpol 68/2006 : 150.000 lei, 2005-2008.
14. PNII Nanomagpoli 71/068/2007 : 200.000 lei, 2007-2010.
15. PNII Ordonanomag 71/119/2007 : 200.000 lei, 2007-2010.
16. PNII Maminal 71/122/2007 : 100.000 lei, 2007-2010.
17. PNII Imunonanomat 70/2007 : 150.000 lei, 2007-2010.
18. PNII Polmedjiu 32/150/2008 : 200.000 lei, 2008-2011.
19. PNII Nanohepat 62/072/2008 : 200.000 lei, 2008-2011.
20. PNII ElcatCO<sub>2</sub> 32/114/2008 : 30.000 lei, 2008-2011.
21. IDEI Pîrvu /2008 : 100.000 lei, 2008-2011.
22. IDEI Berciu /2008 : 100.000 lei, 2008-2011.
23. IDEI Popovici /2008 : 50.000 lei, 2008-2011.

Award:

*European Journal of Pharmaceutics & Biopharmaceutics*  
*Best Paper Award for 2004*

Ulrich Westedt, **Lucian Barbu-Tudoran**, Andreas K. Schaper, Marc Kalinowski, Heiko Alfke and Thomas Kissel:  
*Effects of different application parameters on penetration characteristics and arterial vessel wall integrity after local nanoparticle delivery using a porous balloon catheter (EJPB 58/1, July 2004)*

Presented at the 5th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology  
Geneva, Switzerland, 27 March 2006

PUBLICATII:

1. Ibrahim Mutlay, **Lucian Barbu-Tudoran**: *Cholrosulfonic acid-based room temperature chemical expansion route for the bulk production of graphite nanoplatelets*. In: Fullerenes, Nanotubes and Carbon Nanostructures, 21(2), 149-157, 2013.
2. Ibrahim Mutlay, **Lucian Barbu Tudoran**: *Percolation Behavior of Electrically Conductive Graphene nanoplatelets/Polymer Nanocomposites: Theory and Experiment* In: Fullerenes, Nanotubes and Carbon Nanostructures, pp. 1-31, accepted in 25.02.2012 (*in print*)
3. O. M. Gui, A. Falamas, **L. Barbu-Tudoran**, M. Aluas, B. Giambra, S. Cinta Pinzaru: *Surface-enhanced Raman scattering (SERS) and complementary techniques applied for the investigation of an Italian cultural heritage canvas*. In: J. Of Raman Spectroscopy, 2012.
4. **Lucian Barbu-Tudoran**, Oana I. Gavriliuc, Virgil Paunescu, Felix A. Mic: *Accumulation of tissue macrophages and depletion of resident macrophages in the diabetic thymus in response to hyperglycemia-induced thymocyte apoptosis*. In: J. Diabetes and Its Complication, 2012.
5. Andrada Soanca, Alexandra Roman, Marioara Moldovan, Ioana Perhaita, **Lucian Barbu-Tudoran**, Mihai Rominu: *Study on thermal behaviour, structure and filler morphology of some indirect composite resins*. In: Digest J. Of Nanomat. And Biostruct., 7(3), 1071-81, 2012.
6. Marcela Stoia, Paul Barvinschi, **Lucian Barbu-Tudoran**, Mirela Barbu, Mircea Stefanescu: *Synthesis of nanocrystalline nickel ferrite by thermal decomposition of organic precursors*. In: J. Therm. Anal. Calorim., 108(3), 1033-39, 2012.
7. Marcela Stoia, Mircea Stefanescu, Mirela Barbu, Paul Barvinschi, **Lucian Barbu-Tudoran**: *Studies regarding the formation from metal nitrates and diol of NiM<sub>2</sub>O<sub>4</sub> spinels, inside a silica matrix*. In: J. Therm. Anal. Calorim., 108(3), 1041-49, 2012.
8. Marcela Stoia, Mirela Barbu, Mircea Stefanescu, Paul Barvinschi, **Lucian Barbu-Tudoran**: *Synthesis of nanosized zinc and magnesium chromites starting from PVA-metal nitrate solution*. In: J. Therm. Anal. Calorim., 110(1), 85-92, 2012.
9. C. Craciun, **L. Barbu-Tudoran**: *Identification of new structural elements within 'porosomes' of the exocrine pancreas: a detailed study using high-resolution electron microscopy*. In: Micron, 2012, DOI: 10.1016/j.micron.2012.05.01 (*sri-0,923*)
10. Teodora Radu, Diana Benea, Raluca Ciceo-Lucacel, **Barbu-Tudoran Lucian**, Simion Simon: *X-ray Photoelectron Spectroscopic Characterization of Ag Nanoparticles Embedded Bioglasses*. In: J. Phys. Chem. C, 2012, DOI: 10.1021/jp306035n (*sri-2,997*)

11. Alexandra T. Gruia, **Lucian Barbu-Tudoran**, Ani. A. Mic, Valentin L. Orod, Virgil Paunescu, Felix A. Mic: *Arachidonic acid accumulates in the stromal macrophages during thymus involution in diabetes*. In: Histochemistry and Cell Biology, in press, 2011. (3.062)(sri-1.631)
12. Rahela Carpa, **Lucian Barbu-Tudoran**: *Investigation of the poly- $\beta$ -hydroxybutyrate (PHB) producing in mountain bacterial strains by transmission electron microscopy*. In: Rom. Biotechn. Lett., 16(2), 2011. (0.152)
13. T. Tamas, F. Kristaly, **L. Barbu-Tudoran**: *Mineralogy of Iza Cave, Rodnei Mountains, N. Romania*. In: International Journal of Speleology, 40(2), 1-15, 2011. (0.67)
14. L. Baia, L. Diamandescu, **L. Barbu-Tudoran**, A. Peter, G. Melinte, V. Danciu, M. Baia: *Efficient dual functionality of highly porous nanocomposites based on TiO<sub>2</sub> and noble metal particles*. In: J. Alloys and Compounds, 509(6), 2672-2678, 2011. (2.15)
15. Sanda Boca, Dumitrita Rugina, Adela Pinteau, **Lucian Barbu-Tudoran**, Simion Astilean: *Flower-shaped gold nanoparticles: synthesis, characterization and their application as SERS-active tags inside living cells*. In: Nanotechnology, 22(5), 2010 (3.137)
16. A.-I. Cadis, E.-J. Popovici, E. Bica, I. Perhaita, **L. Barbu-Tudoran**, E. Indrea: *On the preparation of manganese-doped zinc sulphide nanocrystalline powder using the wet-chemical synthesis route*. In: Chalcogenide Letters, 7(11), 631-640, 2010.()
17. Marcel Parvu, Alina Elena Parvu, Constantin Craciun, **Lucian Barbu-Tudoran**, Laurian Vlase, Mircea Tamas, Oana Rosca-Casian, Ovidiu Perseca, Ana-Maria Molnar: *Changes in Botrytis cinerea Conidia Caused by Berberis vulgaris Extract*. In: Not. Bot. Hort. Agrobot. Cluj 38 (3), 15-20, 2010.
18. Marcela Stoia, Costica Caizer, Mircea Stefanescu, Paul Barvinschi, **Lucian Barbu-Tudoran**: *Characterisation of nickel-zinc ferrite/silica nanocomposites with low ferrite concentration obtained by improved modified sol-gel method*. In: J Sol-Gel Sci Technol, DOI 10.1007/s10971-010-2365-8, 2010.
19. Elisabeth-Jeanne Popovici, Mihail Nazarov, Laura Muresan, Do Young Noh, **Lucian Barbu Tudoran**, Ecaterina Bica, Emil Indrea: *Synthesis and characterisation of terbium activated yttrium tantalate phosphor*. J. Alloys and Compounds, 497, 201–209, 2010. (1.510)
20. Elisabeth-Jeanne Popovici, Maria Stefan, Florica Imre-Lucaci, Laura Muresan, Ecaterina Bica, Emil Indrea, **Lucian Barbu-Tudoran**: *Studies on the synthesis of cerium activated yttrium aluminate phosphor by wet-chemical route*. In: Physics Procedia, 2, 603-616, 2010. ()
21. Cristian Coman, Adriana Bica, Bogdan Druga, **Lucian Barbu-Tudoran**, Nicolae Dragos: *Methodological constrains in the molecular biodiversity study of a thermomineral spring cyanobacterial mat: a case study*. In: Antonie van Leeuwenhoek, DOI 10.1007/s10482-010-9486-5, 2010. ()
22. Marcela Achim, Calin Precup, Daniel Gongonau-Nitu, **Lucian Barbu-Tudoran**, Alina Silvia Porfire, Razvan Scurtu, Constantin Ciuce: *Thermosensitive liposomes containing Doxorubicin. Preparation and „in vitro” evaluation*. In: Farmacia, 57(6), 703-710, 2009. (0.064)
23. Mircea Tamas, Carmen Pop, Ada Martian, **Lucian Barbu-Tudoran**: *Morphological Research on Indigenous Sambucus Species Pollen*. In: Not. Bot. Hort. Agrobot. Cluj 37 (1), 65-69, 2009.
24. Marcel Parvu, Alina Elena Parvu, Constantin Craciun, **Lucian Barbu-Tudoran**, Mihai Puscas: *Ultrastructure and Development of Anthracoidea Elynae Ustilosporae*. In: Not. Bot. Hort. Agrobot. Cluj 37 (1), 41-44, 2009. ()
25. Laura Muresan, Elisabeth-Jeanne Popovici, Rodica Grecu, **Lucian Barbu Tudoran**: *Studies on the synthesis of europium activated yttrium oxide by wet-chemical method: 1. Influence of precursor quality on phosphor photoluminescence properties*. In: J. Alloys and Compounds, 471(1-2), 421-427, 2009. (1.510)
26. Manlio Tassieri, R.M.L. Evans, **Lucian Barbu-Tudoran**, G. Nasir Khan, John Trinick, Tom A. Waigh: *Dynamics of Semiflexible Polymer Solutions in the Highly Entangled Regime*. In: Phys. Rev. Lett. 101 (19), 2008. (7.180)
27. M. Parvu, A.E. Parvu, C. Craciun, **L. Barbu-Tudoran**, M. Tamas: *Antifungal activities of Chelidonium majus extract on Botrytis cinerea in vitro and ultrastructural changes in its conidia*. In: J. Phytopathol., 156, 550-552, 2008. (0.868)
28. L. Muresan, E.J. Popovici, A.R. Tomsa, L. Silaghi-Dumitrescu, **L. Barbu-Tudoran**, E. Indrea: *Preparation by dip coating method and characterisation of WO<sub>3</sub> thin films*. In: J. Opt. Adv. Mat., 10(9), 2261-4, 2008. (0.577)
29. **L. Barbu-Tudoran**, Gh. Tomoaia, O. Horovitz, A. Mocanu, M. Tomoaia-Cotisel: *Self-assembly characteristics of gold nanoparticles in the presence of arginine*. In: J. Opt. Adv. Mat., 10(9), 2293-7, 2008. (0.577)
30. A.R. Tomsa, E.J. Popovici, A.I. Cadis, M. Stefan, **L. Barbu-Tudoran**, S. Astilean: *Ultrasound-assisted synthesis of highly disperse zinc sulphide powders*. In: J. Opt. Adv. Mat., 10(9), 2342-5, 2008. (0.577)
31. M. Tassieri, R.M.L. Evans, **L. Barbu-Tudoran**, J. Trinick, T.A. Waigh: *The self-assembly, elasticity, and dynamics of cardiac thin filaments*. In: Biophysical J., 94, 2170-2178, 2008. (4.683)
32. M. Bogdan, A. Nan, C.V.L. Pop, **L. Barbu-Tudoran**, I. Ardelean: *Preparation and NMR characterization of polyethyl-2-cyanoacrylate nanocapsules*. In: Appl. Mang. Reson., 34, 111-119, 2008. (0.748)
33. O. Pana, C.M. Teodorescu, O. Chauvet, C. Payen, D. Macovei, R. Turcu, M.L. Soran, N. Aldea, **L. Barbu-Tudoran**: *Structure, morphology and magnetic properties of Fe–Au core-shell nanoparticles*. In: Surface Science 601, 4352–4357, 2007. (1.731)
34. Cristina Stefanescu, Mircea Tamas, **Lucian Barbu-Tudoran**: *Anatomical Studies on Scopolia carniolica Jacq. Vegetative Organs*. In: Not. Bot. Hort. Agrobot. Cluj 34, 12-17, 2006.
35. Oster C.G., Kim N., Grode L., **Barbu-Tudoran L.**, Schaper A.K., Kaufmann S.H., Kissel T.: *Cationic microparticles consisting of poly(lactide-co-glycolide) and polyethylenimine as carriers systems for parental DNA vaccination*. In: J Control Release, 18; 104(2): 359-77, 2005. (5.690)
36. Christine G. Oster, Matthias Wittmar, Florian Unger, **Lucian Barbu-Tudoran**, Andreas K. Schaper, Thomas Kissel: *Design of Amine-Modified Graft Polyesters for Effective Gene Delivery Using DNA-Loaded Nanoparticles*. In: Pharm. Res., Vol. 21, No. 6, pp. 927-931, 2004. (3.287)

37. Ulrich Westedt, **Lucian Barbu-Tudoran**, Andreas K. Schaper, Marc Kalinowski, Heiko Alfke, Thomas Kissel: *Effects of different application parameters on penetration characteristics and arterial vessel wall integrity after local nanoparticle delivery using a porous balloon catheter*. In: *Europ. J. Pharm. Biopharm.*, 58, pp. 161-168, 2004. (3.344)
38. U. Westedt, **L. Barbu-Tudoran**, A.K. Schaper, M. Kalinowski, H. Alfke, T. Kissel: *Deposition of Nanoparticles in the Arterial Vessel by Porous Balloon Catheters: Localization by Confocal Laser Scanning Microscopy and Transmission Electron Microscopy*. In: *AAPS PharmSci* 4 (4), 41, 2002. (1.445)

#### Indexate BDI

1. **L. Barbu-Tudoran**, Gh. Tomoaia, O. Horovitz, A. Mocanu, M. Tomoaia-Cotisel: *Self-assembly characteristics of gold nanoparticles in the presence of arginine*. In: *J. Opt. Adv. Mat.*, 10(9), 2293-7, 2008. (0.577)
2. A.R. Tomsa, E.J. Popovici, A.I. Cadis, M. Stefan, **L. Barbu-Tudoran**, S. Astilean: *Ultrasound-assisted synthesis of highly disperse zinc sulphide powders*. In: *J. Opt. Adv. Mat.*, 10(9), 2342-5, 2008. (0.577)
3. M. Tassieri, R.M.L. Evans, **L. Barbu-Tudoran**, J. Trinick, T.A. Waigh: *The self-assembly, elasticity, and dynamics of cardiac thin filaments*. In: *Biophysical J.*, 94, 2170-2178, 2008. (4.683)
4. M. Bogdan, A. Nan, C.V.L. Pop, **L. Barbu-Tudoran**, I. Ardelean: *Preparation and NMR characterization of polyethyl-2-cyanoacrylate nanocapsules*. In: *Appl. Mang. Reson.*, 34, 111-119, 2008. (0.748)
5. O. Pana, C.M. Teodorescu, O. Chauvet, C. Payen, D. Macovei, R. Turcu, M.L. Soran, N. Aldea, **L. Barbu-Tudoran**: *Structure, morphology and magnetic properties of Fe-Au core-shell nanoparticles*. In: *Surface Science* 601, 4352-4357, 2007. (1.731)
6. Cristina Stefanescu, Mircea Tamas, **Lucian Barbu-Tudoran**: *Anatomical Studies on *Scopolia carniolica* Jacq. Vegetative Organs*. In: *Not. Bot. Hort. Agrobot. Cluj* 34, 12-17, 2006.
7. Oster C.G., Kim N., Grode L., **Barbu-Tudoran L.**, Schaper A.K., Kaufmann S.H., Kissel T.: *Cationic microparticles consisting of poly(lactide-co-glycolide) and polyethylenimine as carriers systems for parental DNA vaccination*. In: *J Control Release*, 18; 104(2): 359-77, 2005. (5.690)
8. Christine G. Oster, Matthias Wittmar, Florian Unger, **Lucian Barbu-Tudoran**, Andreas K. Schaper, Thomas Kissel: *Design of Amine-Modified Graft Polyesters for Effective Gene Delivery Using DNA-Loaded Nanoparticles*. In: *Pharm. Res.*, Vol. 21, No. 6, pp. 927-931, 2004. (3.287)
9. Ulrich Westedt, **Lucian Barbu-Tudoran**, Andreas K. Schaper, Marc Kalinowski, Heiko Alfke, Thomas Kissel: *Effects of different application parameters on penetration characteristics and arterial vessel wall integrity after local nanoparticle delivery using a porous balloon catheter*. In: *Europ. J. Pharm. Biopharm.*, 58, pp. 161-168, 2004. (3.344)
10. U. Westedt, **L. Barbu-Tudoran**, A.K. Schaper, M. Kalinowski, H. Alfke, T. Kissel: *Deposition of Nanoparticles in the Arterial Vessel by Porous Balloon Catheters: Localization by Confocal Laser Scanning Microscopy and Transmission Electron Microscopy*. In: *AAPS PharmSci* 4 (4), 41, 2002. (1.445)
11. M. Părvu, **L. Barbu-Tudoran**, Oana Roșca-Casian, L. Vlase, S. Tripon: *Ultrastructural changes in *Fusarium oxysporum* f. sp. *tulipae* hyphae treated in vitro with *Allium fistulosum* plant extract*. In: *Annals of RSCB*, XV (2), 65-72, 2010.
12. T. Petreus, Carmen Elena Cotrutz, A. Neamtu, Ana-Maria Oprea, **L. Barbu-Tudoran**, Mihaela Zlei, Ancuta Goriuc, D. Peptanariu: *Anti-tumor potential of some new synthesized dihydroxamic compounds*. In: *Annals of RSCB*, XV (2), 368-372, 2010.
13. Ecaterina Bica, Laura Muresan, **Lucian Barbu-Tudoran**, Emil Indrea, Ionel Popescu, Elisabeth-Jeanne Popovici: *Studies on WO<sub>3</sub> thin films prepared by dip-coating method*. In: *Studia UBB Chemia*, LIV, 3, 14-22, 2009.
14. Adrian Cadis, Adrian Tomsa, Ecaterina Bica, **Lucian Barbu-Tudoran**, Luminita Silaghi-Dumitrescu, Elisabeth-Jeanne Popovici: *Preparation and characterization of manganese doped zinc sulphide nanocrystalline powders with luminescent properties*. In: *Studia UBB Chemia*, LIV, 3, 23-29, 2009.
15. Petrescu, I., **Barbu-Tudoran, L.**, Bokor, A.: "Importanța alegerii ariei de analiză SEM-EDX de pe suprafața unei probe cu pigment, în vederea determinării corecte a compoziției elementale a pigmenților de frescă". In: *Conservarea și Restaurarea Patrimoniului Cultural* – vol. IX, p.46-52. Ed. TRINITAS, Iași, 2009. [ISBN 978-973-155-130-2].
16. Anca Peter, Monica Baia, Felicia Toderas, Mihaela Lazar, **Lucian Barbu-Tudoran**, Virginia Danciu: *Photo-catalysts based on gold-titania composites*. In: *Studia UBB. Chemia*, LIV, 3, 161-172, 2009.
17. Stela Pruneanu, Liliana Olenic, **Lucian Barbu-Tudoran**, Irina Kacso, Said A Farha Al-Said, Reda Hassanien, Andrew Houlton, Benjamin R Horrocks: *Preparation of 1D nanostructures using biomolecules*. In: *Processes in Isotopes and Molecules – Journal of Physics: Conference Series*, 182, 012014, 2009.
18. Ioan Petrescu, Alexandru Bokor, Oana Gui, **Lucian Barbu-Tudoran**: *Identificarea, caracterizarea si individualizarea unor pigmenti de fresca prin metoda microspectrofotometrica de reflexie*. In: *EcoTerra*, VI, 21, 10-11, 2009.
19. D. Cachita-Cosma, V. Turcus, A. Petrus-Vancea, **L. Barbu-Tudoran**, C. Craciun: *Drosera rotundifolia vitroculture associated with a saprophyte fungus*. In: *Studia Univ. V. Goldis Life Sci. Ser.*, 18, 103-105, 2008.
20. V. Turcus, D. Cachita-Cosma, C. Craciun, I. Stanescu, **L. Barbu-Tudoran**: *The secretory hairs present on the *Drosera rotundifolia* leaves, light microscopy and SEM aspects*. In: *Studia Univ. V. Goldis Life Sci. Ser.*, 18, 107-110, 2008.
21. H.D. White, Eva Forgacs, **L. Barbu-Tudoran**, and J. Trinick: *Using Pre-Steady State Enzyme Kinetics and Electron Microscopy to Study How Myosin V Moves*. In: *Analele SNBC*, XIII, 13-18, 2008.
22. D. Cadar, C. Craciun, A. Csagola, C. Mihali, **L. Barbu-Tudoran**, Marina Spinu, L. Kobolcuti, V. Miclaus, T. Tuboly: *Studiu electronomicroscopic al infectiei cu circovirusul porcin tip 2 (PCV2)*. In: *Analele SNBC*, XIII, 171-177, 2008.
23. Cosmin Farcau, Adrian Kuttesch, Traian Petrisor, **Lucian Barbu-Tudoran**, Constantin Craciun, and Simion Astilean: *Interplay between photonic and plasmonic modes in optical properties of silver-coated two dimensional colloidal crystals*. In: *Proc. of SPIE Vol. 6785*, 678518, 2007.
24. G.C. Comeanu, C. Craciun, M. Comeanu, C. Layau, I. Grozescu, I. Silosi, S. Rogoz, G.C. Prodan, **L. Barbu-Tudoran**, C. Mihali, I. Stefanescu, L.M. Comeanu: *The TiO<sub>2</sub>-Pt nanoparticles implication in the immune response and their interaction with the animal cell*. In: *Prog. in Nanosc. and Nanotechn.*, vol. 11, pp. 183-192, Ed. Acad. Rom., Bucuresti, 2007.
25. **L. Barbu-Tudoran**, V. Miclaus, C. Crăciun: *Contribuții privind structura histologică a corpusculului de glicogen la puilul de gaina*. In: *Analele SNBC*, XI, 202-214, Ed. Risoprint, Cluj-Napoca, 2006.
26. Dorina Cachiță-Cosma, Daniela Beleş, **L. Barbu-Tudoran**: *Studiu privind aspectul epidermei frunzelor de *Pistia stratiotes* L., normale sau provenite din vitrocultura, examinată la microscopul electronic cu baleiaj*. In: *Analele SNBC*, XI, 462-472, Ed. Risoprint, Cluj-Napoca, 2006.
27. Agnes Nagy, V. Cozma, **L. Barbu-Tudoran**: *Morphologic study of dog flea species by scanning electron microscopy*. In: *Bul. USAMV Vet. Med.*, 63(1-2), 2006.
28. Gy. Feszt, C. Crăciun, **L. Barbu-Tudoran**: *Studii de microscopie electronica si analiza numerica asupra unor viroze la cactusi din Gradina Botanica Cluj-Napoca*. In: *Analele SNBC*, XI, 538-553, Ed. Risoprint, Cluj-Napoca, 2006.
29. **L. Barbu-Tudoran**: *Corpusculul de glicogen la pasari. II. Functii*. In: *Scripta Ornitologica Romaniae*, Vol. 1, Nr. 2, pp. 64-75, 2005.
30. **L. Barbu-Tudoran**: *Corpusculul de glicogen la pasari. I. Structura si ultrastructura*. In: *Scripta Ornitologica Romaniae*, Vol. 1, Nr. 1, pp. 88-99, 2004.
31. **L. Barbu-Tudoran**, C. Craciun: *Studii ultrastructurale comparative ale celulelor depozitare de glicogen la moluste, reptile si pasari*. In: *Analele SNBC*, IX(2), 17-30, Ed. Risoprint, Cluj-Napoca, 2004.
32. **L. Barbu-Tudoran**, C. Craciun, A. David, R. Silasi-Mansat: *Aspecte ultrastructurale ale corpusculului de glicogen la specii de pasari cu regim trofic diferit*. In: *Analele SNBC*, IX (2), 31-50, Ed. Risoprint, Cluj-Napoca, 2004.
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