

**Autorul tezei de abilitare: Conf. Dr. LAURA FLOROIAN**

**Titlul tezei de abilitare: ASPECTE GENERALE ȘI PARTICULARE ÎN MĂSURĂTORILE ELECTRONICE DIN DOMENIUL NANOMATERIALELOR**

**Domeniul: Inginerie electronică, telecomunicații și tehnologii informaționale**

## LISTA DE LUCRĂRI

### LUCRĂRI RELEVANTE

1. Floroian L., Ristoscu C., Candiani G., Pastori N., Moscatelli M., Mihailescu N., Negut I., Badea M., Gilca M., Chiesa R., Mihailescu I.N., Antimicrobial thin films based on ayurvedic plants extracts embedded in a bioactive glass matrix, *Applied Surface Science*, , ISSN:0169-4332 (Factor Impact ISI: 4,439) rosu, <http://dx.doi.org/10.1016/j.apsusc.2017.02.197>
2. Floroian L., Craciun D., Socol G., Dorcioman G., Socol M., Badea M., Craciun V., Titanium implants' surface functionalization by pulsed laser deposition of TiN, ZrC and ZrN hard films, *Applied Surface Science*, ISSN:0169-4332 (Factor Impact ISI: 4,439) rosu, <http://dx.doi.org/10.1016/j.apsusc.2017.03.068>
3. Floroian L., Samoila C., Badea M., Munteanu D., Ristoscu C., Sima F., Negut I., Chifiriuc M. C., Mihailescu I. N., Stainless steel surface biofunctionalization with PMMA-bioglass coatings: compositional, electrochemical corrosion studies and microbiological assay, *Journal of Materials Science: Materials in Medicine*, 2015, vol 26, pp. 195-209, ISSN: 0957-4530, (Factor Impact ISI: 2,448) galben, <https://www.ncbi.nlm.nih.gov/pubmed/26085116>.
4. Cotfas D.T., Cotfas P. A., Floroian D., Floroian L., Accelerated life test for photovoltaic cells using concentrated light, *International Journal of Photoenergy*, Volume 2016 (2016), Article ID 9825683, 7 pages, ISSN:1110-662X, (Factor Impact ISI: 1,547), <http://dx.doi.org/10.1155/2016/98256832016>
5. Floroian, D., Floroian, L., Rubin, R., Lieberman, D., Cotfas, P., Cotfas, D., Ursuțiu, D., Samoilă, C., Measurements in concentrated sun using a remote controlled robot, *International Journal of Online Engineering*, vol.4., pp. 50-55, 2013, ISSN: 1868-1646, <http://online-journals.org/i-joe/article/view/2544>
6. Cotfas, D.T., Floroian, L., Cotfas, P.A., Floroian, D., Rubin, R., Lieberman, D., The study of the photovoltaic cells parameters in concentrated sunlight, *IEEEExplore*, mai 2014, DOI: 10.1109/OPTIM.2014.6850916, Print ISSN: 1842-0133, <https://ieeexplore.ieee.org/document/6850916>
7. D.T. Cotfas ; P.A Cotfas ; D. Floroian ; L. Floroian ; Mihai Cernat, Ageing of Photovoltaic Cells Under Concentrated Light, *IEEEExplore*, 2015, DOI:10.1109/OPTIM.2015.7427048, <https://ieeexplore.ieee.org/document/7427048>
8. D. Floroian, L. Floroian, R. Rubin, D. Lieberman, P. Cotfas, D. Cotfas, D. Ursutiu, C. Samoila: Remote Controlled Robot for Automatic Measurements in Concentrated Sun, 10th International Conference on Remote Engineering and Virtual Instrumentation REV 2013, 6 - 8 February 2013, Sydney, Australia, [www.rev-conference.org/REV2013/](http://www.rev-conference.org/REV2013/)
9. Badea M., Floroian L., Restani P., Moga M., Simple surface functionalization strategy for immunosensing detection of aflatoxin B1, *International Journal of Electrochemical Science*, 11, 2016, pp. 6719 - 6734, ISSN:1452-3981, (Factor Impact ISI: 1,369) <http://www.electrochemsci.org/papers/vol11/110806719.pdf>

10. S. Coman, C. Boldisor, L. Floroian, Fractional adaptive control for a fractional - order insuline - glucose dynamic model, IEEEExplore, 2017, DOI: 10.1109/OPTIM.2017.7975082, ISBN:978-1-5090-4489-4, <https://ieeexplore.ieee.org/document/7975082>

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## TEZA DE DOCTORAT

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*Studii asupra nanostructurilor de biosticlă obținute prin procesare laser, folosind tehnici optice de înaltă rezoluție, realizată în cadrul Universității POLITEHNICA din București, Facultatea de Electronică, Telecomunicații și Tehnologia Informației, conducător științific prof. dr. fiz. Gheorghe Stanciu.*

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## BREVETE - propuneri

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1. D. T. Cotfas, P. A. Cotfas, D. Floroian, L. Floroian, *Metodă și dispozitiv de testare accelerată a timpului de îmbătrânire a celulelor fotovoltaice* – ARCL, CBI A/00557/31.07.15 (BI RO 130952 A0).
2. L. Floroian, M. Badea, C. Samoilă, D. Floroian, C. Ristoscu, N. Mihailescu, I. Negut, I. N. Mihailescu, *Structură de implant, nanocompoziție de acoperire și procedeu de funcționalizare a suprafeței implanturilor dentare și osoase*, CBI A/00981/08.12.15 (BI RO 131045 A0).
3. L. Floroian, C. Ristoscu, N. Mihailescu, *Structură de implant, film subțire de acoperire dublu-strat și procedeu de funcționalizare a suprafeței implanturilor osoase și dentare*, CBI A00333/2017 (BPI 81/24.05.2017).

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## CĂRȚI / CAPITOLE DE CĂRȚI

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1. Floroian L., Popescu A., Serban N., Mihailescu I. N., *Polymer-Bioglass Composite Coatings: A Promising Alternative For Advanced Biomedical Implants*, in John Cuppoletti (Ed.), *Metal, Ceramic and Polymeric Composites for Various Uses*, INTECH, 2011, 28 pg., ISBN 978-953-307-353-8, <http://www.intechopen.com/books/metal-ceramic-and-polymeric-composites-for-various-uses/polymer-bioglass-composite-coatings-a-promising-alternative-for-advanced-biomedical-implants>.
2. Floroian D., Floroian L., *Hardware and software systems for variables and automatic register monitoring in embedded systems*, in *New trends in monitoring and diagnosis for health sciences*, ed. Lambert Academic Publishing, M. Badea, L. Floroian (eds.), 2015, ISBN: 978-3-659-77699-1.
3. Iordache N., Jufa A., Irimie M., Idomir M., Pascu A., Floroian L., Nunes G.S., Badea M., *The ultraviolet radiation effects on biological systems*, in *New trends in monitoring and diagnosis for health sciences*, ed. Lambert Academic Publishing, M. Badea, L. Floroian (eds.), 2015, ISBN: 978-3-659-77699-1.
4. Floroian L., Boer A., *Spectroscopie*, Editura Universității Transilvania, 2009, 220 pg.
5. Floroian L., Moldoveanu F., *Electronică digitală. Logică combinațională*, Editura Universității Transilvania, 2013, 200 pg.
6. Floroian L., *Fizică generală-lucrări de laborator*, Editura Universității Transilvania, 2013, 134 pg

7. N.C. Zoita, L. Floroian, Hybrid design of a PC-based multiparameter multichannel analyzer for x-ray and gamma-ray spectrometry, in Sensing- Monitoring- Telediagnosis for Life Sciences, Vol II Food and Environmental, Ed. Universității Transilvania, 2014, ISBN: 978-606-19-0390-0.
8. A. Jufa, N. Iordache, L. Floroian, A. Pascu, M. Badea, Microwaves – help for people or source of health problems?, in Challenges in medicine, food control and environmental, eds: L. Floroian, M. Badea, Ed. Universității Transilvania, 74-89, 2015, ISBN: 987-606-19-0591-1.
9. L. Chelmea, C. Faraian, L. Floroian, Gh. Coman, G.S. Nunes, M. Moga, M. Badea, Cadmium and lead detection using electrochemical methods, in Sensing- Monitoring- Telediagnosis for Life Sciences, Vol II Food and Environmental, Ed. Universității Transilvania, 156-167, 2014, ISBN: 978-606-19-0390-0
10. L. Floroian, N.C. Zoita, D. Floroian, C. Samoila, Polymers in controlled drug delivery systems, in Sensing- Monitoring- Telediagnosis for Life Sciences, Vol I Medical Science, Ed. Universității Transilvania, 151-163, 2014, ISBN: 978-606-19-0389-4.
11. M. Simon, M. Moga, M. Buzescu, L. Floroian, M. Badea, Study on respiratory allergens, in Sensing- Monitoring- Telediagnosis for Life Sciences, Vol I Medical Science, Ed. Universității Transilvania, 208-213, 2014, ISBN: 978-606-19-0389-4.
12. M. Badea, A. Iacob, J.L. Marty, I. Agache, C. Gavris, A. Pascu, Gh. Coman, L. Floroian, M. Moga, M. Radoi, The impact of environmental air pollution on public health, in Challenges in medicine, food control and environmental, eds: L. Floroian, M. Badea, Ed. Universității Transilvania, 90-108, 2015, ISBN: 987-606-19-0591-1.
13. R. Szuhaneck, L. Floroian, M. Moga, Risk assessment in transport of critically ill patients, in Sensing- Monitoring- Telediagnosis for Life Sciences, Vol I Medical Science, Ed. Universității Transilvania, 164-179, 2014, ISBN: 978-606-19-0389-4.

## ARTICOLE ÎN REVISTE

### I. Reviste ISI

1. Floroian L., Savu B., Sima F., Mihailescu I. N., Tanaskovic D., Janackovic D., Synthesis and characterisation of bioglass thin films, Digest Journal of Nanomaterials and Biostructures, vol 2, nr 3, pp. 285-291, 2007, ISSN 1842-3582 (Factor Impact: 0,673), <http://chalcogen.ro/Floroian.pdf>
2. Floroian, L., Savu, B., Stanciu, G., Popescu, A.C., Sima, F., Mihailescu, I. N., Mustata, R., Sima, L.E., Petrescu, S.M., Tanaskovic, D., Janackovic, D., Nanostructured bioglass thin films synthesized by pulsed laser deposition: CLSM, Ftir investigations and in vitro biotests, Applied Surface Science, Elsevier, Nederland, vol. 255, 2008, pp. 3056-3062, ISSN: 0169-4332 (Factor Impact: 4,439), roșu, <http://www.sciencedirect.com/science/article/pii/S0169433208019442>
3. Floroian, L., Mihailescu, I.N., Sima, F., Stanciu, G., Savu, B., Evaluation of biocompatibility and bioactivity for pmma – bioactive glass nanocomposite films obtained by MAPLE, Scientific Bulletin University Politehnica of Bucharest, Romania, Series A, Vol. 72, Iss.2, 2010, pp. 133-148, ISSN: 1223-7027 (Factor Impact: 0,461), [http://www.scientificbulletin.upb.ro/rev\\_docs\\_arhiva/full6149.pdf](http://www.scientificbulletin.upb.ro/rev_docs_arhiva/full6149.pdf)
4. Floroian, L., Sima, F., Florescu, M., Badea, M., Popescu, A.C., Serban, N, Mihailescu, I.N., Double layered nanostructured composite coatings with bioactive silicate glass and polymethylmetacrylate for biomimetic implant applications, Journal of Electroanalytical Chemistry, Elsevier, Nederland, vol. 648, 2010, pp. 111-118, ISSN: 1572-6657 (Factor Impact: 3.235), roșu <http://www.sciencedirect.com/science/article/pii/S157266571000336X>
5. Floroian, L., Florescu, M., Sima F., Popescu-Pelin, G., Ristoscu, C., Mihailescu, I.N., Synthesis of biomaterial thin films by pulsed laser technologies: electrochemical evaluation of bioactive glass-

- based nanocomposites coatings for biomedical applications, *Materials Science and Engineering C*, Elsevier, Nederland, vol. 32, issue 5, march, 2012, pp. 1152 – 1157, ISSN: 0928-4931 (Factor Impact: 5,08), - rosu <http://www.sciencedirect.com/science/article/pii/S0928493112001038>
6. Floroian, D., Floroian, L., Moldoveanu, F., Multiagent System for Monitoring Chronic Diseases, Vol. 36, 2011, Springer, Heidelberg, Germany, IFMBE (The International Federation for Medical and Biological Engineering) Proceedings 00360067, S. Vlad, R.V. Ciupa, A. I. Nicu (Eds.), pp. 26-31, ISSN: 1680-0737, DOI: 10.1007/978-3-642-22586-4-7, [http://link.springer.com/chapter/10.1007%2F978-3-642-22586-4\\_7](http://link.springer.com/chapter/10.1007%2F978-3-642-22586-4_7)
  7. Floroian, D., Moldoveanu, F., Floroian, L., Multi-Agent Model for a Mobile Hospital Logistic System, Vol. 26, 2009, Springer, Heidelberg, Germany, IFMBE (The International Federation for Medical and Biological Engineering) Proceedings 00260067, S. Vlad, R.V. Ciupa, A. I. Nicu (Eds.), pp. 67-72, ISSN: 1680-0737, DOI: 10.1007/978-3-642-04292-8, [http://link.springer.com/chapter/10.1007%2F978-3-642-04292-8\\_15](http://link.springer.com/chapter/10.1007%2F978-3-642-04292-8_15)
  8. Cotfas, D.T., Floroian, L., Cotfas, P.A., Floroian, D., Rubin, R., Lieberman, D., The study of the photovoltaic cells parameters in concentrated sunlight, *IEEEExplore*, mai 2014, DOI: 10.1109/OPTIM.2014.6850916, Print ISSN: 1842-0133, <https://ieeexplore.ieee.org/document/6850916>
  9. Floroian, L., Florescu, M., Munteanu, D, Badea, M., Popescu-Pelin, G., Ristoscu, C., Sima, F., Chifiriuc, C.M., Mihailescu, I.N., A new concept of stainless steel medical implant based upon composite nanostructures coating, *Digest Journal of Nanomaterials and Biostructures*, vol 9, nr 4, oct-dec, 2014, pp. 1555-1568, ISSN:1842-3582 (Factor Impact ISI: 0,673) [http://www.chalcogen.ro/1555\\_Floroian.pdf](http://www.chalcogen.ro/1555_Floroian.pdf)
  10. Cotfas P.A., Cotfas D. T., Floroian L., Floroian D., General Physics Remote Laboratory based on the NI ELVIS Platform and Moodle, *IEEEExplore*, apr. 2014, ISBN: 978-1-4799-2024-2, DOI: 10.1109/REV.2014.6784244, <https://ieeexplore.ieee.org/document/6784244>
  11. Floroian L., Samoila C., Badea M., Munteanu D., Ristoscu C., Sima F., Negut I., Chifiriuc M. C., Mihailescu I. N., Stainless steel surface biofunctionalization with PMMA-bioglass coatings: compositional, electrochemical corrosion studies and microbiological assay, *Journal of Materials Science: Materials in Medicine*, 2015, vol 26, pp. 195-209, ISSN: 0957-4530, (Factor Impact ISI: 2,448) galben, <https://www.ncbi.nlm.nih.gov/pubmed/26085116>.
  12. Popescu-Pelin G., Craciun D., Socol G., Cristea D., Floroian L., Badea M., Socol M., Craciun V., Investigations of pulsed laser deposited TiN thin films for titanium implants, *Romanian Reports in Physics*, Vol. 67, No. 4, pp. 1491–1502, 2015, ISSN:1221-1451, (Factor Impact ISI: 1,582) [http://www.rrp.infim.ro/2015\\_67\\_4/A28.pdf](http://www.rrp.infim.ro/2015_67_4/A28.pdf)
  13. Floroian L., Ristoscu C., Mihailescu N., Negut I., Badea M., Ursutiu D., Chifiriuc M.C., Urzica I., Dya H.M., Bleotu C., Mihailescu I.N., Functionalized antimicrobial composite thin films printing for stainless steel implant coatings, *Molecules*, 2016, 21, pp. 740-758, ISSN:1420-3049, (Factor Impact ISI: 3,098) galben, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6274373/>
  14. Badea M., Floroian L., Restani P., Moga M., Simple surface functionalization strategy for immunosensing detection of aflatoxin B1, *International Journal of Electrochemical Science*, 11, 2016, pp. 6719 – 6734, ISSN:1452-3981, (Factor Impact ISI: 1,369) <http://www.electrochemsci.org/papers/vol11/110806719.pdf>
  15. Ciuca S., Badea M., Pozna E., Pana I., Kiss A., Floroian L., Semenescu A., Cotrut C.M., Moga M., Vladescu A., Evaluation of Ag containing hydroxyapatite coatings to the *Candida albicans* infection, *Journal of Microbiological Methods*, 2016, vol 125, pp. 12-18, ISSN:0167-7012, (Factor Impact ISI: 1,701), <https://www.sciencedirect.com/science/article/pii/S0167701216300471>

16. Badea M., Floroian L., Restani P., Cobzac S.C., Moga M., Ochratoin A Detection on Antibody-Immobilized on BSA-Functionalized Gold Electrodes, PLoS ONE 2016, ISSN:1932-6203, 11(7): e0160021. doi:10.1371/journal.pone.0160021, (Factor Impact ISI: 2,766) rosu, <https://www.ncbi.nlm.nih.gov/pubmed/27467684>
17. Cotfas D.T., Cotfas P. A., Floroian D., Floroian L., Accelerated life test for photovoltaic cells using concentrated light, International Journal of Photoenergy, Volume 2016 (2016), Article ID 9825683, 7 pages, ISSN:1110-662X, (Factor Impact ISI: 1,547) <http://dx.doi.org/10.1155/2016/98256832016>
18. Floroian L., Ristoscu C., Candiani G., Pastori N., Moscatelli M., Mihailescu N., Negut I., Badea M., Gilca M., Chiesa R., Mihailescu I.N., Antimicrobial thin films based on ayurvedic plants extracts embedded in a bioactive glass matrix, Applied Surface Science, , ISSN:0169-4332 (Factor Impact ISI: 4,439) rosu <http://dx.doi.org/10.1016/j.apsusc.2017.02.197>
19. Floroian L., Craciun D., Socol G., Dorcioman G., Socol M., Badea M., Craciun V., Titanium implants' surface functionalization by pulsed laser deposition of TiN, ZrC and ZrN hard films, Applied Surface Science, , ISSN:0169-4332 (Factor Impact ISI: 4,439) rosu <http://dx.doi.org/10.1016/j.apsusc.2017.03.068>
20. M. Badea, A. G. Antuña, M. Zumbado, L. Rogozea, L. Floroian, D. Alexandrescu, M. Moga, L. Gaman, M. Radoi; L. D Boada, L. A. Henríquez-Hernández, Body burden of toxic metals and rare earth elements in non-smokers, cigarette smokers and electronic cigarette users, Environmental Research, vol 166, pg. 269-275, 2018, ISSN:0013-9351 (Factor Impact ISI: 4,732). rosu <https://www.sciencedirect.com/science/article/pii/S0013935118303098>
21. O. P. Luzardo, M. Badea, M. Zumbado, L. Rogozea, L. Floroian, A. Ilea, M. Moga, G. Sechel, L. D. Boada, L. A. Henríquez-Hernández Body burden of organohalogenated pollutants and polycyclic aromatic hydrocarbons in Romanian population: influence of age, gender, body mass index, and habitat, Journal: Science of the Total Environment, 656 (2019) 709–716, ISSN:0048-9697, (Factor Impact ISI: 4,61). - rosu <https://www.sciencedirect.com/science/article/pii/S0048969718347594>
22. A. Miccoli, P. Restani, L. Floroian, N.Taus, M. Badea, G. Cioca, S. Bungau, Sensitive electrochemical detection method of melatonin in food supplements, REV.CHIM.(Bucharest), 69, No. 4, 2018, ISBN:0034-7752, (Factor Impact ISI: 1,412) <http://www.revistadechimie.ro/pdf/21%20MICCOLI%204%2018.pdf>
23. Badea, M.; Chiperea, S.; Balan, M.; Floroian, L.; Restani, P.; Marty, J.-L.; Iovan, C.; Tit, D. M.; Bungau, S.; Taus, N, New approaches for electrochemical detection of ascorbic acid, Farmacia, vol. 66, pp. 83-87, 2018, ISBN:0014-8237, (Factor Impact ISI: 1,507). [http://www.revistafarmacia.ro/201801/art-11-Badea\\_Iovan\\_Taus\\_83-87.pdf](http://www.revistafarmacia.ro/201801/art-11-Badea_Iovan_Taus_83-87.pdf)
24. S. Coman, C. Boldisor, L. Floroian, Fractional adaptive control for a fractional - order insuline - glucose dynamic model, IEEEExplore, 2017, DOI: 10.1109/OPTIM.2017.7975082, ISBN:978-1-5090-4489-4, <https://ieeexplore.ieee.org/document/7975082>
25. D.T. Cotfas ; P.A Cotfas ; D. Floroian ; L. Floroian ; Mihai Cernat, Ageing of Photovoltaic Cells Under Concentrated Light, 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), DOI:10.1109/OPTIM.2015.7427048, <https://ieeexplore.ieee.org/document/7427048>

## II. Reviste BDI

1. Floroian, L., Raman Spectroscopy in Study of Carbon Nanotubes, Bulletin of Transilvania University of Braşov, Vol. 11(46) Series B1, pp. 99-104, Braşov, 2004, ISSN 1223-964X.
2. Floroian, L. Evaluation of the acceleration of electrons by spatially modulated laser wave, Bulletin of the Transilvania University of Brasov, vol 12 (47), Series B1, pp. 167-172, Braşov, 2005, ISSN 1223-964X, [http://webbut.unitbv.ro/BU2008/Arhiva/BU2005/BULETIN%20B%20PDF/023-B-Floroian\\_05.pdf](http://webbut.unitbv.ro/BU2008/Arhiva/BU2005/BULETIN%20B%20PDF/023-B-Floroian_05.pdf)
3. Floroian, L. Molecular and cellular imaging with quantum dots, Bulletin of the Transilvania University of Brasov, vol 13 (48), Series B1, pp. 123-128, Braşov, 2006, ISSN 1223-964X, [http://webbut.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20B%20PDF/018-B-FLOROIAN\\_06.pdf](http://webbut.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20B%20PDF/018-B-FLOROIAN_06.pdf)
4. Cretu, N., Pop, M., Boer, A., Floroian, L., Stanciu, G. Law of variation of particle size with time in sol-gel powder fabrication process, Bulletin of the Transilvania University of Brasov, vol 13 (48), Series B1, pp. 135-140, Braşov, 2006, ISSN 1223-964X, [http://webbut.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20B%20PDF/020-B-CRETU\\_06.pdf](http://webbut.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20B%20PDF/020-B-CRETU_06.pdf)
5. Floroian, L., Fabrication and characterisation of the bioglass thin films, Bulletin of the Transilvania University of Brasov, vol 14 (49), Series B1, Braşov, 2007, pp. 131-136, ISSN 1223-964X, [http://webbut.unitbv.ro/BU2008/Arhiva/BU2007/BULETIN%20B%20PDF/FIZICA/05\\_Floroian\\_L.pdf](http://webbut.unitbv.ro/BU2008/Arhiva/BU2007/BULETIN%20B%20PDF/FIZICA/05_Floroian_L.pdf)
6. Floroian, L. Pulsed laser deposition of bioactive glass for biomedical applications, Bulletin of the Transilvania University of Brasov, vol 1 (50), Series III, Braşov, 2008, pp. 553-559, ISSN 2065-2151, <http://webbut.unitbv.ro/BU2008/BULETIN%20III%20PDF/Floroian-rez.pdf>
7. Floroian, L., Boer, A. In vitro studies on pmma-bioglass composite films, Bulletin of the Transilvania University of Brasov, vol 2 (51), Series III, Braşov, 2009, pp. 269-279, ISSN 2065-2151, <http://webbut.unitbv.ro/BU2009/BULETIN2009/Series%20III/BULETIN%20III%20PDF/floroian.pdf>
8. Floroian, L., Biocompatibility and physical properties of doped bioactive glass ceramics, Bulletin of the Transilvania University of Brasov, vol 3 (52), Series VI, Braşov, 2010, pp. 27-32, ISSN 2065-2151, [http://but.unitbv.ro/BU2010/Series%20VI/BULETIN%20VI%20PDF/05\\_Floroian.pdf](http://but.unitbv.ro/BU2010/Series%20VI/BULETIN%20VI%20PDF/05_Floroian.pdf)
9. Floroian, D., Ursuţiu, D., Floroian, L., Moldoveanu, F., RoboShmith: Wireless Networked Architecture, International Journal of Online Engineering, vol.4, pp. 14-19, 2010, ISSN: 1868-1646, <http://online-journals.org/i-joe/article/view/1468>
10. Floroian, D., Floroian, L., Rubin, R., Lieberman, D., Cotfas, P., Cotfas, D., Ursuţiu, D., Samoilă, C., Measurements in concentrated sun using a remote controlled robot, International Journal of Online Engineering, vol.4., pp. 50-55, 2013, ISSN: 1868-1646, <http://online-journals.org/i-joe/article/view/2544>
11. Badea, M., Floroian, L., Chelmea, L., Faraian, C., Moga, M., Rogozea, L., Marty, J.L., Restani, P., Experimental studies using the enzymatic biosensors for the electrochemical detection of heavy metals, Jurnal Medical Brasovean, vol.2, pp. 22-27, 2013, ISSN 1841-0782 <http://oaji.net/articles/2014/693-1396860121.pdf>
12. Floroian D., Moldoveanu F., Floroian L., Using dspace systems for torque control of asynchronous motor drive, Bulletin of the Transilvania University of Braşov, Series I: Engineering Sciences, Vol. 6 (55) No. 2, 2013, pp. 39-44, ISSN: 2065-2119 (Print), ISSN: 2065-2127 (CD-ROM), <http://webbut.unitbv.ro/BU2013/Series%20I/BULETIN%20I/Floroian%20D.pdf>
13. Floroian L., Floroian D., Overview on pulsed laser deposition of chalcogenide-based thin films, Bulletin of the Transilvania University of Braşov, Series I: Engineering Sciences, Vol. 6 (55) No. 2, 2013, pp. 45-50, ISSN: 2065-2119 (Print), ISSN: 2065-2127 (CD-ROM), <http://webbut.unitbv.ro/BU2013/Series%20I/BULETIN%20I/Floroian%20L.pdf>
14. M. Badea, L. Floroian, D. Floroian, M. Moga, L. Rogozea, Telemedicine and telediagnosis –general perception of young students from Romania, Bulletin of the Transilvania University of Braşov, seria



- VI, Vol. 7 (56) / No. 1, pp. 139-146, ISSN: 2065-2119 (Print), 2014, ISSN: 2065-2127 (CD-ROM).  
<https://pdfs.semanticscholar.org/bc33/8990f56e980eb0a3bc69825533f89563484c.pdf>
15. D. Floroian, L. Floroian, Powering light appliances with 4-wire system for remote control or local control, Bulletin of the Transilvania University of Braşov, Vol. 7 (56) / No. 2, 2014, pp. 75-80, ISSN: 2065-2119 (Print), ISSN: 2065-2127 (CD-ROM).  
[http://webbut.unitbv.ro/BU2014/Series%20I/Contents\\_I\\_EEEA.html](http://webbut.unitbv.ro/BU2014/Series%20I/Contents_I_EEEA.html)
16. M. Badea, M. Florescu, V. Veregut, L. Chelmea, O. Corcan, L. Floroian, P. Restani, J. L. Marty, M. Moga, Optimization of electrochemical detection of l-ascorbic acid from plant food supplements using screen printed transducers, Advances in Analytical Chemistry, vol. 5(4), p. 69-73, 2015, p-ISSN: 2163-2839, e-ISSN: 2163-2847, <http://article.sapub.org/10.5923.j.aac.20150504.01.html>
17. L. Floroian, M. Badea, I. Samota, Biomaterials with applications in medicine, Jurnal Medical Braşovean, nr.1/2015, p. 14-20, Braşov, 2015, ISSN: 1841-0782, e-ISSN: 2247-4706.  
[http://webbut.unitbv.ro/jmb/JMB%202015%20nr%201/01\\_03\\_referat\\_biomateriale.pdf](http://webbut.unitbv.ro/jmb/JMB%202015%20nr%201/01_03_referat_biomateriale.pdf)
18. L. Floroian, M. Badea, I. Samota, Bioglass - the newest type of biomaterial with great potential of osteointegration, Jurnal Medical Braşovean, nr.1/2015, p. 20-24, Braşov, 2015, ISSN: 1841-0782, e-ISSN: 2247-4706.  
[http://webbut.unitbv.ro/jmb/JMB%202015%20nr%201/01\\_04\\_referat\\_biosticla.pdf](http://webbut.unitbv.ro/jmb/JMB%202015%20nr%201/01_04_referat_biosticla.pdf)
19. R.Szuhanek, L. Floroian, Modern technologies to increase energetic efficiency in hospitals, Bulletin of Transilvania University of Braşov, Vol. 8(57), no.2, Series B1, p. 179-183, Braşov, 2015, ISSN: 2065-2119 (Print), ISSN: 2065-2127 (CD-ROM).  
<http://webbut.unitbv.ro/BU2015/Series%20I/BULETIN%20I/Szuhanek%20R.pdf>
20. L. Floroian, D. Floroian, M. Badea, Advanced methods for thin layers of biomaterials obtaining with applications in implantology, Jurnal Medical Braşovean, nr.1/2016, p. 4-10, Braşov, 2016, ISSN: 1841-0782, e-ISSN: 2247-4706.  
[http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/01\\_01\\_referat\\_metode%20avansate.pdf](http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/01_01_referat_metode%20avansate.pdf)
21. A. Jufa, A. Pascu, L. Floroian, G. Nunes, M. Badea, Electromagnetic waves - viewpoints of students with medical training or engineering, Jurnal Medical Braşovean, nr.1/2016, p. 53-63, Braşov, 2016, ISSN: 1841-0782, e-ISSN: 2247-4706.  
[http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/02\\_01\\_original\\_microunde.pdf](http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/02_01_original_microunde.pdf)
22. L. Floroian, D. Floroian, M. Badea, Using a Multi-Agent System for Logistic of Mobile Hospital, Jurnal Medical Braşovean, nr.1/2016, p. 94-100, Braşov, 2016, ISSN: 1841-0782, e-ISSN: 2247-4706.  
[http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/02\\_08\\_original\\_spital%20mobil.pdf](http://webbut.unitbv.ro/jmb/JMB%202016%20nr%201/02_08_original_spital%20mobil.pdf)
23. D. Calaver, C.A. Cernat, L. Floroian, Clustered Regularly Interspaced Short Palindromic Repeats – CRISPR, Jurnal Medical Braşovean, nr.2/2016, p. 34-39, Braşov, 2016, ISSN: 1841-0782, e-ISSN: 2247-4706. [http://webbut.unitbv.ro/jmb/JMB%202016%20nr%202/01\\_06\\_referat\\_palindromuri.pdf](http://webbut.unitbv.ro/jmb/JMB%202016%20nr%202/01_06_referat_palindromuri.pdf)

#### ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAŢIONALE

1. Floroian, L., Floroian, D., Ursutiu, D., Multiagent System for E-Learning Mobile Embedded Devices, Proc. of the Sixth International Conference on Remote Engineering and Virtual Instrumentation – REV 2009, Bridgeport USA, 22-25 iunie, 2009, pp. 315-320, ISBN: 978-3-89958-480-6, [http://rev-conference.org/clearinghouse/REV\\_past-conferences.php](http://rev-conference.org/clearinghouse/REV_past-conferences.php)
2. Floroian, L., Cernat, M., Ioannidou, F., Biocompatibility study of new nanocomposite coatings used in life and health engineering, Proc. of the 5th International Conference on Interdisciplinarity in

- Education: New Higher Education Programs, Tallinn, Estonia, 16-19 Iunie, 2010, pp. 303-310, ISSN: 1790-661X. – publicat pe CD
3. Floroian, L., Floroian, D., Ursutiu, D., Spectroelectrochemical characterization of biocompatible silicate glass - materials used in medicine, Proc. of the 8th International Conference on Remote Engineering and Virtual Instrumentation – REV 2011, Braşov, Romania, 28 iunie – 1 iulie, 2011, pp. 162-165, ISBN: 978-3-89958-555-1, <http://www.rev-conference.org/REV2011/REV2011cfp3.pdf>
  4. Floroian, D., Ursutiu, D., Floroian L., ReM-GEPP: A Remote Monitoring Multiagent System for Green Energy Power Plants, Proc. of the 8th International Conference on Remote Engineering and Virtual Instrumentation – REV 2011, Braşov, Romania, 28 iunie – 1 iulie, 2011, pp. 308-312, ISBN: 978-3-89958-555-1, <http://www.rev-conference.org/REV2011/REV2011cfp3.pdf>
  5. Floroian, L., Floroian, D., Cernat, M., Biosensors Based on Nanostructured Bioglass Thin Films Synthesized by Pulsed Laser Deposition Used in Electrical Systems, Proc. of the 6th International Conference on Interdisciplinarity in Education: New Higher Education Programs – ICIE 2011, PART B: Interdisciplinary Research, Athens, Greece, 14-17 sept, 2011, pp. 83-89, ISBN: 978-960-9556-00-2, ISSN: 1790-661X, [http://portal.unitbv.ro/Portals/0/UserFiles/User684/Proc\\_ICIE11-B\\_Athens\\_Sept14-17\\_2011.pdf](http://portal.unitbv.ro/Portals/0/UserFiles/User684/Proc_ICIE11-B_Athens_Sept14-17_2011.pdf)
  6. Floroian, D., Floroian, L., Moldoveanu, F., Cernat, M., Papazis, St., Indoor Photovoltaic System for Powering Green Office Outlets, Proc. of the 6th International Conference on Interdisciplinarity in Education: New Higher Education Programs – ICIE 2011, PART B: Interdisciplinary Research, Athens, Greece, 14-17 sept, 2011, pp. 121-127, ISBN: 978-960-9556-00-2, ISSN: 1790-661X, [http://portal.unitbv.ro/Portals/0/UserFiles/User684/Proc\\_ICIE11-B\\_Athens\\_Sept14-17\\_2011.pdf](http://portal.unitbv.ro/Portals/0/UserFiles/User684/Proc_ICIE11-B_Athens_Sept14-17_2011.pdf)
  7. A. Jufă, A. Pascu, L. Floroian, D. Calaver, G. Nunes, M. Badea, Microwaves – our ally in cooking?, Journal of EcoAgriTourism, Vol. 12, no.2, pp.15-20 ref.11, 2016, Proceeding of 6th BIOATLAS Conference, ISSN: 1844-8577, [http://rosita.ro/jeat/archive/2\\_2016.pdf](http://rosita.ro/jeat/archive/2_2016.pdf)
  8. Gaceu, L., Badea, M., Floroian, L., Perini, A., Restani, P., Oprea, OB, Risc of mycotoxin in cereals and new detection methods, revista: Proc. of the 44th International Symposium on Agricultural Engineering, pp. 321-333 BDI1: issn:1848-4425, 2016, Autori:6 <https://www.agroengineering.org/index.php/jae/article/view/552/543>

Data,  
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Solicitant,  
conf. dr. fiz. FLOROIAN LAURA

