

LISTA DE LUCRĂRI ȘTIINȚIFICE
Prof. univ. dr. Gabriela-Eugenia IACOBESCU

i. Teza de doctorat

Titlul tezei: "Efecte induse de câmpuri exterioare în mixturi de cristale lichide/External field effects in liquid crystal mixtures "

Instituția: Universitatea "Politehnica" București

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ii. Cărți

1. O. Bunescu, D. Murtaza, **G. E. Iacobescu**, Lucrari practice de Fizica Solidului, Tipografia Universitatii din Craiova, 2003, 154 pag
2. C. Motoc, **G. E. Iacobescu**, Cristale Lichide - Proprietati Fizice si Aplicatii, Editura Universitaria Craiova, 2004, 396 pag, ISBN 973-8043-443-3
3. G. Stoenescu, **G. E. Iacobescu**, Notiuni de Fizica, Agrometeorologie si Protectia Mediului, vol. I, vol. II, Editura Universitaria Craiova, 2006, vol. I-II, ISBN 973-742-433-6, 978-973-742-433-4, 973-742-434-4, 978-973-742-434-1, 685 pag
4. **G. E. Iacobescu**, Materiale semiconductoare, Editura Universitaria Craiova, 2008, ISBN978-606-510-206-4, 120 pag
5. **G. E. Iacobescu**, Efecte electrice si magnetooptice in cristale lichide dopate cu coloranti azoderivati, Editura Universitaria Craiova, 2009, 153 pag, ISBN978-606-510-357-3
6. **G. E. Iacobescu**, C. Cirtoaje, E. Petrescu, Introducere in biofizica, Editura Universitaria Craiova, 2011, ISBN978-606-14-0288-5, 287 pag
7. **G. E. Iacobescu**, E. Morintale, Caiet de laborator de biofizica, Editura Sitech, 2015, ISBN 978-606-11-4878-3, 121 pag
8. **G. E. Iacobescu**, Fizica solidului și semiconductori, Editura Sitech, 2018, ISBN 978-606-11-6636-7, 127 pag

iii. Lista articolelor în extenso, publicate în reviste din fluxul științific internațional principal (cotate ISI)

1. M. Socaciu, M. Ursache, E. Petrescu, **G. Iacobescu**, Order parameter from (p-ethoxybenzylidene-)-p-n-butylaniline channeled spectra, Mod Phys Lett B 15(25), 1131-1139, 2001. <https://doi.org/10.1142/S0217984901002932>
2. G. Rau, **G. Iacobescu**, V. Meltzer, A serie of new azoderivatives -synthesis and liquid crystal properties, Rev Roum Chem. 50(2), 119-124, 2005.
3. G. Stoenescu, **G. Iacobescu***, Fast electron irradiation effects on mos transistor microscopic parameters- experimental data and theoretical models, J. Optoelectron Adv M, 7(3), 1629-1634, 2005.

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4. C. Motoc, **G. Iacobescu***, The influence of UV irradiation on magneto-optical effects in azo-derivative doped liquid crystals, *J. Optoelectron Adv M*, 7(6), 3111-3120, 2005.
5. C. Motoc, **G. Iacobescu***, Birefringence of azo-dye doped nematic liquid crystals, *J. Optoelectron Adv M*, 8(1), 295-298, 2006.
6. C. Motoc, **G. Iacobescu***, Magneto-optic effects in nematic liquid crystal doped with azo-dyes, *Mod Phys Lett B*, 20(17) 1015-1022, 2006. <https://doi.org/10.1142/S0217984906011013>
7. C. Rosu, **G. Iacobescu**, C. Motoc, C. Topala, Thermally stimulated depolarization currents in a new cholesteric liquid crystal, *Mod Phys Lett B*, 20(13), 777-785, 2006. <https://doi.org/10.1142/S0217984906011050>
8. C. Motoc, **G. Iacobescu***, Magnetic field effects on the optical properties of an azo-dye doped liquid crystal, *J Magn Magn Mater*, 306(1), 103-107, 2006. <https://doi.org/10.1016/j.jmmm.2006.02.230>
9. N. Iutes-Petrescu, **G. Iacobescu**, M. Damian, T. Iutes-Petrescu, Rheological behaviour of the structure of products containing hydrocarbons with high molecular weight, *Rev Chim*, 57(1), 91-95, 2006.
10. C. Topala, **G. Iacobescu**, B. Oprescu, C. Ducu, Optical and thermo-electrical effects in newly synthesized cholesteric compounds, *Mat Sci Eng C*, 27 1171-1173, 2007.
11. G. Rau, **G. Iacobescu**, S. Radu, V. Meltzer, G. D. Mogosanu, Synthesis of novel azoderivatives with mesomorphic properties, *Rev Chim*, 58(8), 782-785, 2007.
12. **G. Iacobescu***, A. L. Paun, C. Cartoaje, Magnetically induced Freedericksz transition and relaxation phenomena in nematic liquid crystals doped with azo-dyes, *J Magn Magn Mater*, 320(17), 2180-2184, 2008. <https://doi.org/10.1016/j.jmmm.2008.03.050>
13. **G. Iacobescu***, P. Badea, The thermo-electro-optical effect: influence of the external and material parameters on the colours' succession, *Optoelectron Adv M – RC*, 2(4), 216-218, 2008.
14. C. Topală, S. Anghel, B. Oprescu, **G. Iacobescu**, Optical method for studying phase transitions of thermotropic mesogeneous substances, *Optoelectron Adv M – RC*, 2(8), 482 – 487, 2008.
15. O G Pompilian, M Osiac, **G. E. Iacobescu***, C P Lungu, Layer coatings of Re and Re-NiCr obtained by thermionic vacuum arc technique, *J. Optoelectron Adv M*, 11(11), 1779 – 1782, 2009.
16. I. Palarie, C. Dascalu, **G. E. Iacobescu**, Study on laser-induced ripple structures in dye-doped liquid crystal films in high-intensity regime, *J. Optoelectron Adv M*, 12(1), 115 – 118, 2010.
17. I. Palarie, C. Dascalu, **G.E. Iacobescu**, Controlling the orientation of microgrooves and the depth of the ripple structure in dye-doped liquid crystal cells, *Liq Cryst*, 37(2), 195 – 199, 2010. <https://doi.org/10.1080/02678290903484222>
18. V. Ionescu, M. Osiac, C.P. Lungu, O.G. Pompilian, I. Jepu, I. Mustata, **G.E. Iacobescu**, Morphological and structural investigations of Co – MgF₂ granular thin films grown by thermionic vacuum arc, *Thin Solid Films*, 518(14), 3945-3948, 2010. <https://doi.org/10.1016/j.tsf.2010.02.035>
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20. I. Jepu, C. Porosnicu, I. Mustata, C. P. Lungu, V. Kunkser, M.; Osiac, **G. Iacobescu**; V. Ionescu, T. Tudor, Simultaneously Thermionic Vacuum Arc Discharges In Obtaining Ferromagnetic Thin Films, *Rom Rep Phys*, 63(3), 804-816, 2011.
21. I. Palarie, C. Dascalu, **G. E. Iacobescu**, M.C. Varut, Surface morphology of doped nematic liquid crystals: role of dye concentration, *Liq Cryst*, 39(7), 833-837, 2012. <https://doi.org/10.1080/02678292.2012.684072>
22. C. P. Lungu, A. Marcu, C. Porosnicu, I. Jepu, A. M. Lungu, P. Chiru, C. Luculescu, R. Banici, D. Ursescu, R. Dabu, I. D. Feraru, C. E. A. Grigorescu, **G. Iacobescu**, M. Osiac, J. Kovač, V. Nemanič, I. Hinkov, S.

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23. **G. E. Iacobescu***, M. Balasoiu, I. Bica, Investigation of Surface Properties of Magnetorheological Elastomers by Atomic Force Microscopy, *J Supercond Nov Magn*, 26, 785–792, 2013. <https://doi.org/10.1007/s10948-012-1903-8>
24. V. Ionescu, C. P. Lungu, I. Jepu, M. Osiac, **G.E. Iacobescu**, Characterization of thermionic vacuum arc deposited Co-MgF₂ granular thin films using X-ray diffraction and microscopy techniques, *Rom Rep Phys*, 65(4), 1390-1397, 2013.
25. I. Jepu, C. Porosnicu, C.P. Lungu, I. Mustata, C. Luculescu, V. Kuncser, **G. Iacobescu**, A. Marin, V. Ciupina, Combinatorial Fe-Co thin film magnetic structures obtained by Thermionic Vacuum Arc Method, *Surf Coat Technol*, 240, 344-352, 2014. <https://doi.org/10.1016/j.surfcoat.2013.12.050>
26. M. Osiac, V. Tiron, **G. E. Iacobescu**, G. Popa, A comparative study of GeSb₂Te₄ films deposited by radiofrequency and pulsed direct-current and magnetron sputtering high power impulse magnetron sputtering, *Dig J Nanomater Biostruct*, 9(2), 451-45, 2014.
27. M. Osiac, V. Tiron, **G. E. Iacobescu***, The effect of nitrogen doping on the structure of Ge₁Sb₂Te₄ film, *J Optoelectron Adv M*, 17 (9-10), 1471-1475, 2015.
28. A. Samide, **G. E. Iacobescu***, B. Tutunaru, C. Tigae, Electrochemical and AFM study of inhibitory properties of thin film formed by tartrazine food additive on 304L stainless steel in saline solution, *Int J Electrochem Sci*, 12(3), 2088-2101, 2017. <https://doi.org/10.20964/2017.03.62>
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31. **G. E. Iacobescu***, Freedericksz transitions of twisted ferronematics in magnetic field, *J Magn Magn Mater*, 468, 65-68, 2018. <https://doi.org/10.1016/j.jmmm.2018.07.081>
32. A. Samide, S. Iordache, **G. E. Iacobescu**, C. Tigae, C. Spinu, Titanium Implant Surface Modification in Physiological Serum Containing New Mixed Inhibitor Based on Poly(vinyl) Alcohol/Silver Nanoparticles/Epirubicin, *Int J Electrochem Sci*, 13(12), 12125-12139, 2018. <https://doi.org/10.20964/2018.12.61>
33. **G. E. Iacobescu***, Dynamic evolution of the nematic liquid crystal director in magnetic field, *U.P.B. Sci Bull, Series A*, 80(4), 279-290, 2018.
34. G. Florian, A. R. Gabor, C. A. Nicolae, **G. E. Iacobescu**, N. Stanica, P. Marasescu, I. Petrisor, M. Leulescu, S. Degeratu, O. Gingu, P. Rotaru, Physical properties (thermal, thermomechanical, magnetic, and adhesive) of some smart orthodontic wires, *J Therm Anal Calorim*, 134, 189-208, 2018. <https://doi.org/10.1007/s10973-018-7580-5>
35. M. Leulescu, **G. E. Iacobescu**, M. Bojan, P. Rotaru, Ponceau 4R azoic red dye. Thermal behavior, optical anisotropy and terahertz spectroscopy study, *Journal of Thermal Analysis and Calorimetry*, 138, 2091-2101, 2019. <https://doi.org/10.1007/s10973-019-08680-0>
36. G. Florian, A. R. Gabor, C. A. Nicolae, A. Rotaru, C. A. Marinescu, **G. E. Iacobescu**, N. Stanica, S. Degeratu, O. Gingu, P. Rotaru, Physical and thermophysical properties of a commercial Ni-Ti shape memory alloy strip, *J Therm Anal Calorim*, 138, 2103-2122, 2019. <https://doi.org/10.1007/s10973-019-08615-9>
37. R. Grecu, A. Samide, **G. E. Iacobescu**, N. Cioatera, A. Popescu, Copper corrosion inhibitors based on polyvinyl alcohol and silver nanoparticles, *Chemical Industry and Chemical Engineering Quarterly*, 25(3), 267-275, 2019. <https://doi.org/10.2298/CICEQ181027005G>

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38. A. Samide, C. Merisanu, B. Tutunaru, **G. E. Iacobescu**, Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) coating performance on copper corrosion in saline environment, *Molecules* 25 (3), 439, 2020. <https://doi.org/10.3390/molecules25030439>
39. C. Cirtoaje, **G Iacobescu***, E Petrescu, Freedericksz Transitions in Twisted Ferronematics Subjected to Magnetic and Laser Field, *Crystals* 10(7), 567, 2020. <https://doi.org/10.3390/cryst10070567>
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41. **G. E. Iacobescu***, I. Bica, Application of atomic force microscopy for magnetic and mechanical investigation of new magnetorheological elastomers, *U.P.B. Sci. Bull., Series A*, 82(4), 259, 2020.
42. C. A. Carabet, A. Moanta, I. Palarie, **G. Iacobescu**, A. Rotaru, M. Leulescu, M. Popescu, P. Rotaru, Physical, Thermal and Biological Properties of Yellow Dyes with Two Azodiphenylether Groups of Anthracene, *Molecules*, 148(10), 4615-4639, 2020. <https://doi.org/10.1007/s10973-023-12016-4>
43. M. Leulescu, A. Rotaru, A. Moanță, **G. Iacobescu**, I. Pălărie, N. Cioateră, M. Popescu, M. C. Criveanu, E. Morîntale, M. Bojan, P. Rotaru, Azorubine: physical, thermal and bioactive properties of the widely employed food, pharmaceutical and cosmetic red azo dye material, *J Therm Anal Calorim*, 143 (6), 3945-3967, 2021. <https://doi.org/10.1007/s10973-021-10618-4>
44. **G. E. Iacobescu***, I. Bica, Larisa-Marina-Elisbeth Chirigiu, Physical Mechanisms of Magnetic Field Effects on the Dielectric Function of Hybrid Magnetorheological Suspensions, *Materials*, 14(21), 6498, 2021. <https://doi.org/10.3390/ma14216498>
45. A. Samide, **G. E. Iacobescu**, Bogdan Tutunaru, Simona Iordache, Silver nanoparticles/polyvinyl alcohol film: studies of thermal characterization, AFM and corrosion protection by electrodeposition on 304L stainless steel, *J Therm Anal Calorim*, 147 (2), 1041-1051, 2022. <https://doi.org/10.1007/s10973-020-10444-0>
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48. M. Leulescu, I. Pălărie, A. Rotaru, A. Moanță, N. Cioateră, M. Popescu, **G. Iacobescu**, E. Morîntale, M. Bojan, M. Ciocîlteu, I. Petrișor, P. Rotaru, Sunset Yellow Physical, thermal and bioactive properties of the widely employed food, pharmaceutical and cosmetic orange azo-dye material, *J Therm Anal Calorim*, 148, 1265–1287, 2023. <https://doi.org/10.1007/s10973-022-11617-9>
49. I. Bica, **G.-E. Iacobescu***, The Influence of Magnetic Field on the Electrical Conductivity of Membranes based on Cotton Fabric, Honey, and Microparticles of Carbonyl Iron and Silver, *Materials*, 16(5), 1995, 2023. <https://doi.org/10.3390/ma16051995>
50. I Bica, **GE Iacobescu***, Composites Based on Cotton Microfibers Impregnated with Magnetic Liquid for Magneto-Tactile Sensors, *Materials*, 16(8), 3222, 2023. <https://doi.org/10.3390/ma16083222>
51. A. Moanță, A.C. Carabet, I. Pălărie, A. Rotaru, M. Popescu, M. Leulescu, **G. Iacobescu**, M. Stoicescu, P. Rotaru, Thermal, physical and biological properties of new etheric dyes with chlorine and two azo groups of anthracene, *J Therm Anal Calorim*, 148(10), 4615-4639, 2023. <https://doi.org/10.1007/s10973-023-12016-4>
52. **G.-E. Iacobescu***, M. Bunoiu, I. Bica, P. Sfirloaga, L.-M.-E. Chirigiu, A Cotton Fabric Composite with Light Mineral Oil and Magnetite Nanoparticles: Effects of a Magnetic Field and Uniform Compressions on Electrical Conductivity. *Micromachines*, 14, 1113, 2023. <https://doi.org/10.3390/mi14061113>

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54. Adriana Samide, Gabriela Eugenia Iacobescu, Bogdan Tutunaru, Cristian Tigae, Cezar Ionuț Spînu, Bogdan Oprea, New Inhibitor Based on Hydrolyzed Keratin Peptides for Stainless Steel Corrosion in Physiological Serum: An Electrochemical and Thermodynamic Study, Polymers 16 (5), 669, 2024. <https://doi.org/10.3390/polym16050669>
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58. A Harabor, NA Harabor, P Rotaru, D Marconi, G-E Iacobescu, A Rotaru, Surface alignment, critical current transitions, dimensionality and thermal behaviour of a (Bi,Pb)-2223 ceramic superconductor, Ceramics International, 2025, ISSN 0272-8842 <https://doi.org/10.1016/j.ceramint.2025.07.073>

ISI proceedings

59. **Gabriela-Eugenia Iacobescu***, NEEDS FOR MOBILE TECHNOLOGY TO EXPAND TRAINING OPPORTUNITIES OF PEOPLE WITH MUSCULOSKELETAL DISORDERS, ICERI2016 Proceedings, pp.6269-6269, ISBN 978-84-617-5895-1.
60. M. Balasoiu, S.V. Kozhevnikov, Yu.V. Nikitenko, **Gabriela-Eugenia Iacobescu***, M. Bunoiu, I. Bica, Silicone rubber based magnetorheological elastomer: Magnetic structure tested by means of neutron depolarization and magnetic force microscopy methods, Journal of Physics: Conference Series 848(1), 2017, 012016
61. **Gabriela-Eugenia Iacobescu***, ADAPTIVE PERSONALIZED SYSTEM FOR CREATING EXPRESSION TOOLS IN SOCIAL INCLUSION OF LEARNERS WITH VERBAL COMMUNICATION DISABILITIES - TESI PROJECT, INTED2018 Proceedings, pp.3425-3428, ISBN: 978-84-697-9480-7.
62. **Gabriela-Eugenia Iacobescu***, N. V. Pavlov, TESI MODEL - ASSISTIVE COMMUNICATION TOOL FOR PEOPLE WITH READING, WRITING AND VERBAL COMMUNICATION DIFFICULTIES, INTED2019 Proceedings, pp.2996-3000, ISBN: 978-84-09-08619-1.
63. **Gabriela-Eugenia Iacobescu***, TESI - MOBILE APPLICATION FOR EDUCATION AND SOCIAL INCLUSION OF PEOPLE WITH COMMUNICATION DIFFICULTIES, ICERI2019 Proceedings, pp.3872-3875, ISBN 978-84-09-14755-7.
64. E. M. Sorescu, **Gabriela-Eugenia Iacobescu***, Promoting Mobile Learning in the Social Work for Children with Communication Disabilities, Conference: 9th International Conference on Future of Education Location: Florence, ITALY Date: JUN 27-28, 2019, ISBN 978-88-85813-45-8.

iv. Lista lucrurilor prezentate la conferințe internaționale de specialitate (Selecție)

1. M. Mateescu, **Gabriela-Eugenia Iacobescu**, "Studies on air quality in the region 4 S-W Oltenia, during 1999-2006", International Symposium "Chemistry, Environment, Clean Technologies", 2007, Pitesti, Romania
2. Carmen Topala, **Gabriela-Eugenia Iacobescu**, „Textures of newly synthesized cholesteric liquid crystals”, Simpozionul „Rolul chimiei la creșterea calitatii învățământului și dezvoltarea socio-economică”, 2008, Pitesti, Romania
3. Carmen Topala, **Gabriela-Eugenia Iacobescu**, „Liquid crystal behaviour of a newly synthesized cholesteric compound”, Simpozionul „Chimie și tehnologii curate”, 2009, Pitesti, Romania
4. **Gabriela-Eugenia Iacobescu**, Radu Constantinescu, Marcela Ursache, Gyorgy Steinbrecher, „Lifelong Learning within the academic postgraduate programmes at the University of Craiova”, EUPEN's 11th General Forum - EGF2009 "PHYSICS AFTER BOLOGNA, VILNIUS (LITHUANIA): 10-13 September 2009
5. Ion Palarie, Constanta Dascalu, **Gabriela-Eugenia Iacobescu**, „Study on Laser-Induced Ripple Structures in Dye-Doped Liquid Crystal Films in High-Intensity Regime”, International Conference “Micro- to Nano-Photonics II - ROMOPTO 2009”, 31 aug. – 3 sept. 2009, Sibiu, Romania
6. Ion PALARIE, Constanta DASCALU and **Gabriela-Eugenia Iacobescu**, “Photoalignment in dye-doped liquid crystal films induced by polarized laser beam”, 10th International Balkan Workshop on Applied Physics, July 6-8, 2009, Constanta, Romania
7. Marcela Ursache, **Gabriela-Eugenia Iacobescu**, „Teaching design in terms of using an integrated curriculum in science teaching”, 4th Informal Training Session “European Opportunities and Trends in Science Careers”, Ramnicu Valcea, Romania, 26 - 27 April 2011
8. C.P. Lungu, C. Porosnicu, I. Jepu, A. M. Lungu, P. Chiru, A. Marcu, C. Luculescu, R. Banici, D. Ursescu, R. Dabu, I. D. Feraru, C. E. A. Grigorescu, **Gabriela-Eugenia Iacobescu**, M. Osiac, J. Kovač, V. Nemanič, „Nanocomposite Tungsten-Carbon Film Formation by Terawatt Laser System Irradiation”, E-MRS 2012 Spring Meeting - The European Material Conference, 2012, Strasbourg, France
9. **Gabriela-Eugenia Iacobescu**, „History of science in Romania – brief review of education and research”, Workshop of the Network of History Science and Technology in Southeastern Europe, 2012, Athens, Greece
10. **Gabriela-Eugenia Iacobescu**, “Russian influences on Physics education and research in Romania after the Second World War: a case study on the Joint Institute for Nuclear Research, Dubna”, 5th International Conference of the European Society of History of Science, 2012, Athens, Greece
11. **Gabriela-Eugenia Iacobescu**, I. Bica, M. Balasoiu, „Atomic Force Microscopy used to investigate the magnetic and elastic properties of magnetorheological silicone rubber based elastomers”, International Workshop "Complex and Magnetic Soft Matter Systems: Physico-Mechanical Properties and Structure" - CMSMS2012, Alushta, Crimea, September 3-7 2012.
12. **Gabriela-Eugenia Iacobescu**, I. Bica, M. Balasoiu, „AFM investigations of magnetic elastomers with combined magnetic nano- and microparticles”, International Conference in Nanoscale Magnetism –ICNM2013, Istanbul, Turcia
13. **Gabriela-Eugenia Iacobescu**, „Education in Hadrontherapy in Romania. Current situation and future prospects”, 1st Annual Conference of the Romanian Society of Hadrontherapy (ICRSH 2013), 2013, Predeal, Romania
14. I. Jepu, D. Paul, O. G. Pompilian, C. Porosnicu, C. P. Lungu, C. Luculescu, **Gabriela-Eugenia Iacobescu**, M. Osiac, V. Kuncser, „Laser influence on multilayer Ag/Ni and Ag/Ce magnetic thin film structures prepared by Thermionic Vacuum Arc technology” Advanced workshop in nanophysics and solar energy conversion, September 1-3, 2014, Magurele – Bucuresti, Romania
15. Maria Jigau, **Gabriela-Eugenia Iacobescu**, Mariana Osiac, „Thin films of Ge₁Sb₂Te₄ prepared by pulsed laser deposition”, Physics Conference TIM-14, 2014, Timisoara, Romania

16. Mariana OSIAC, Vasile TIRON, **Gabriela-Eugenia Iacobescu**, The effect of Ge₁Sb₂Te₄ film doped with nitrogen, Physics Conference TIM-14, 2014, Timisoara, Romania
17. **Gabriela-Eugenia Iacobescu**, I. Bica, M. Balasoiu, „Magnetic and elastic properties of magnetic elastomers with CoFe₂O₄ nanoparticles measured by AFM”, 9th International Physics Conference of the Balkan Physical Union” (BPU-9), 2015, Istanbul, Turcia
18. Mariana OSIAC, **Gabriela-Eugenia Iacobescu**, Vasile TIRON, Maria Jigau, „Chalcogenide thin films deposited by high power impulse magnetron sputtering and pulsed laser deposition”, 9th International Physics Conference of the Balkan Physical Union (BPU-9), Istanbul, Turcia
19. M. Osiac, V. Tiron, **Gabriela-Eugenia Iacobescu**, Phase change behaviour in nitrogen-doped Ge₁Sb₂Te₄, International conference on phenomena in ionized gases, 2015, Iasi, Romania
20. **Gabriela-Eugenia Iacobescu**, “Atomic Force Microscopy technique - advantages and limits in soft matter investigations”, invited at III International Conference on Small Angle Neutron Scattering dedicated to the 80th anniversary of Yu.M. Ostanevich Joint Institute for Nuclear Research, Dubna, 6-9 June, 2016, Russia
21. M. Osiac, **Gabriela-Eugenia Iacobescu**, M. Jigau, “Effects of nitrogen and Ti dopants on the electrical properties of Ge₁Sb₂Te₄ films”, 13th International Conference on Nanosciences & Nanotechnologies (NN16), 2016, Thessaloniki, Greece
22. M. Jigau, M. Osiac, **Gabriela-Eugenia Iacobescu**, N. Cioatera, „The Ti doped Ge₁Sb₂Te₄ thin films prepared by pulsed laser deposition”, 11th International Conference On Physics Of Advanced Materials (ICPAM-11), 2016, Cluj
23. **Gabriela-Eugenia Iacobescu**, “Using mobile technology to improve policy Reform for Inclusion of Disadvantaged Groups in Education / mRIDGE Project” at HOPE project annual forum in Constanta, Romania, September 7 - 10, 2016
24. **Gabriela-Eugenia Iacobescu**, “Needs for mobile technology to expand training opportunities of people with musculoskeletal disorders”, at the 9th annual International Conference of Education, Research and Innovation (ICERI2016), Sevilla, Spain, 14-17th Nov. 2016
25. **Gabriela-Eugenia Iacobescu**, “Using mobile technology to improve policy reform for inclusion of disadvantaged groups in education – mRIDGE project”, The Future of Education Conference, Florence (Italy), 8 - 9 June 2017
26. **Gabriela-Eugenia Iacobescu**, “M-learning tools for disadvantages students – mRIDGE project”, International Conference on Education and New Developments 2017 (END 2017), 24-26 June 2017, Lisbon, Portugal
27. **Gabriela-Eugenia Iacobescu**, (2018) Adaptive Personalized System for Creating Expression Tools in Social Inclusion of Learners with Verbal Communication Disabilities - TESI project, 12th annual International Technology, Education and Development Conference, Valencia, Spain.
28. **Gabriela-Eugenia Iacobescu**, Improving the social inclusion of disadvantaged learners by using a personalized software, International Conference on Education and New Developments 2018 (END 2018), 23-25 June 2018, Budapest, Hungary
29. M. Cerban, **Gabriela-Eugenia Iacobescu**, Identification of the target groups' needs for an efficient social inclusion of people with communication deficiencies by m-learning, The Future of Education Conference, Florence (Italy), 27 - 29 June 2018.
30. **Gabriela-Eugenia Iacobescu**, Pavlov, N. V. (2019) TESI model – Assistive communication tool for people with reading, writing and verbal communication difficulties, INTED2019, Valencia, Spain.
31. Sorescu E. M., **Gabriela-Eugenia Iacobescu** (2019) Promoting mobile learning in the social work for children with communication disabilities, The 9th edition of the international conference “The Future of Education”, Florence, Italy
32. **Gabriela-Eugenia Iacobescu** (2019) TESI project – needs analysis and new software for people with communication deficiencies, END2019, Porto, Portugal.

33. **Gabriela-Eugenia Iacobescu** (2019) TESI - mobile application for education and social inclusion of people with communication difficulties, ICERI2019, Seville, Spain.
34. Sorescu E. M., **Gabriela-Eugenia Iacobescu** (2019) Comparative Needs Analysis of the Target Groups of Students in the TESI Project, The 12th edition of the International Conference "STATE & SOCIETY IN EUROPE", Craiova, Romania.
35. Sorescu E. M., **Gabriela-Eugenia Iacobescu** (2019) New mobile applications in the benefit of students with verbal disabilities, 2nd International Conference on Advanced Research in Social Sciences and Humanities, Munich, Germany.
36. **Gabriela-Eugenia Iacobescu** (2021) "Physical mechanisms of the magnetic field effects on the dielectric function of hybrid magnetorheological suspensions", 18th International Conference on Nanosciences & Nanotechnologies (NN21), Thessaloniki, Greece.
37. **Gabriela-Eugenia Iacobescu** (2022) "Magnetic Force Microscopy investigation of New Hybrid Magnetorheological Suspensions", 24th International conference Materials, Methods & Technologies, Burgas, Bulgaria.

v. Proiecte câștigate prin competiție în calitate de director/responsabil din partea Universității din Craiova

A. Contracte internaționale

1. Titlu: Stakeholders Tune European Physics Studies – Two (STEPS TWO)
Tipul programului: Lifelong Learning Programme, Sub-programmes -- Multilateral Projects, Networks, Accompanying measures
Numarul contractului de finantare/anul: 142371-LLP-1-2008-1-BE
Perioada de derulare a contractului: 2008-2011
Calitatea: Responsabil pentru Partener 53, Universitatea din Craiova
2. Titlu: "HOPE - Horizon 2020 in Physic Education"
Tipul programului: Lifelong Learning Programme Sub-programmes - Multilateral Projects, Networks, Accompanying measures,
Numarul contractului de finantare/anul: 540130-LLP-1-2013-1-FR-ERASMUS-ENW
Perioada de derulare a contractului: 2013-2016
Calitatea: Responsabil pentru Partener 17, Universitatea din Craiova
3. Titlu: "Using mobile technology to improve policy Reform for Inclusion of Disadvantaged Groups in Education – mRIDGE",
Tipul programului: ERASMUS+ KA3 project,
Numarul contractului de finantare/anul: 562113-EPP-1-2015-1-BG-EPPKA3-PI-FORWARD
Perioada de derulare a contractului: 2015-2017
Calitatea: Responsabil pentru Partener 4, Universitatea din Craiova
4. Titlu: "Adaptive Personalized System for Creating Expression Tools in Social Inclusion of Learners with Verbal Communication Disabilities –TESI"
Tipul programului: ERASMUS+ KA3 project,
Numarul contractului de finantare/anul: 592177-EPP-1-2017-1-BG-EPPKA3-IPI-SOC-IN
Perioada de derulare a contractului: 2017-2019
Calitatea: Responsabil pentru Partener 3, Universitatea din Craiova
5. Titlu: STEM in Action; Open Educational Resources for Teachers
Tipul programului: ERASMUS+ KA203 project,
Numarul contractului de finantare/anul: 2020-1-TR01-KA203-094309
Perioada de derulare a contractului: 2020-2023

Calitatea: Responsabil pentru Partener 6, Universitatea din Craiova

6. Titlu: Strengthening Basic and Engineering Sciences Capacities in South Eastern Europe SEE
Subproiect: Map of Excellence in Physics and Mathematics in SEE
Sursa de finanțare: UNESCO Oficiul Venetia (BRESCE)
Perioada de derulare a contractului: 01-11-2009 - 31-08-2010
Coordonator: Universitatea din Nis (Serbia)
Parteneri: Universitatea din Craiova și alte 12 instituții din Sud Estul Europei (Reteaua SEENET MTP)
Calitatea: director de proiect din partea UCV

7-14. Titlu: Small angle neutron scattering and atomic force microscopy investigations of nanoscale particles
Tema: "Investigations of Nanosystems and Novel Materials by Neutron Scattering Methods"
Tipul: Cooperare JNIR Dubna, Rusia - IFIN-HH Magurele, Romania
Numerele contractelor: 26, 59, 60, 41, 85, 61/anul: No.04-4-1069-2009/2014; 89, 43 /anul: No. 04-4-1121-2015/2020,
Calitatea: director de proiect din partea UCV

15. Titlu: Neutron depolarization and atomic microscopy investigations of Hybrid Magnetoreological Elastomer Composites
Tema: 04-4-1142-2021/2025
Tipul: Cooperare JNIR Dubna, Rusia - IFIN-HH Magurele, Romania
Număr contract: 41 din Ordinul IUCN nr. 365 din 11.05.2021
Calitatea: director de proiect din partea UCV

16. Titlu: SAXS and complementary investigations of soft matter nanostructures
Tema: 04-4-1141-2020/2022
Tipul: Cooperare JNIR Dubna, Rusia - IFIN-HH Magurele, Romania
Număr contract: 69 din Ordinul IUCN nr. 365 din 11.05.2021
Calitatea: director de proiect din partea UCV

B. Contracte naționale

17. Titlu: "RIST - Ramânem împreună la științe"
Tipul contractului: Proiect privind Învățământul Secundar (ROSE)
Numărul contractului: A361/SGU/SS/III din 10.09.2020
Beneficiar: UMPFE
Directorul grantului: G. E. Iacobescu
Instituție coordonatoare: Universitatea din Craiova

18. Titlu: OPTOMATEH. Tehnologii și materiale avansate pentru aplicații în optoelectronică
Tipul contractului: PNII-CAPACITATI, Modulul I
Numărul contractului/anul: 126/2007
Beneficiar: MCT-ANCS
Directorul proiect: G. E. Iacobescu
Instituție coordonatoare: Universitatea din Craiova

vi. Membru în echipa de proiect

A. Contracte internaționale

19. Titlu: "HEInnovaSport-Building innovation capacity and fostering entrepreneurship in sports science higher education institutions"
Tipul programului: EU Horizon Europe 2021 – 2027 ("HE")

* Prim-autor și/sau autor corespondent

Număr contract: 220822
Calitatea: expert IVAP

20. Titlu: "Implementation of Education Quality Assurance System via Cooperation of University-Business-Government in HEIs (EDUQAS)"

Tipul programului: ERASMUS+ KA2 proiect,
Numarul contractului de finantare/anul: 586109-EPP-1-2017-1-RO-EPPKA2-CBHE-SP (2017-2895/001-001)
Perioada de derulare a contractului: 2018-2021
Calitatea: membru in colectivul UCV

21. Titlu: Training and Mobility Program. Promotion of the excellence and growing of the youth's interest for education in Physics and Mathematics

Tipul contractului: proiect UNESCO, coordonat de Universitatea din Craiova, parteneri Universitatea din Nis (Serbia) si alte 12 institutii din sud-estul Europei (rețeaua SEENET MTP)
Numarul contractului: /anul: AFC 10-12/01-11-2009 - 31-08-2010
Calitatea: membru in colectivul UCV

22. Titlu: EU-HOU - Connecting classrooms to the Milky Way

Tipul contractului: LLP-FR-COMENIUS-CMP
Numarul contractului: /anul: 510308-2010
Valoarea contractului (pentru Univ. din Craiova): 29.258 Euro
Calitatea: membru in colectivul UCV

B. Contracte naționale

23. Titlu: „Îmbunătățirea politicilor publice în învățământul superior și creșterea calității reglementărilor prin actualizarea standardelor de calitate QAFIN (Cod SIPOCA/SMIS2014+ 16)”, implementat în parteneriat de MEN și ARACIS

Calitatea: Expert în implementarea metodologiei de evaluare a instituțiilor de învățământ superior în scopul clasificării universităților și a ierarhizării programelor de studii și elaborarea raportului de evaluare (Activitatea 2.5)

24. Titlu: Proprietati electrice si optice ale unor cristale lichide noi utilizate ca materiale pentru optoelectronica

Tipul contractului: A
Numarul contractului/anul: 4636/1999
Codul CNCSIS 84/1999, Tema nr. 10
Beneficiar: CNCSIS-MEC
Calitatea: membru

25. Titlu: Determinarea parametrului de ordonare orientationala din studii optice pentru mezofazele unor cristale lichide nou sintetizate

Tipul contractului: A
Numarul contractului/anul: 35254/2001
Codul CNCSIS 1382/2001, Tema nr. 17
Beneficiar: CNCSIS-MEC
Calitatea: membru

26. Titlu: Fenomene de suprafata si organizare in sisteme disperse cu fluide anizotrope

Tipul contractului: CERES
Numarul contractului/anul: CEx05--D11--76/2005, consortiu
Institutie coordonatoare: INCDFM, Magurele
Calitatea: membru in colectivul Partenerului 5, Universitatea "Politehnica" Bucuresti

27. Titlu: TEHNOPLAT OLTENIA. Platforma de cercetare-inovare interdisciplinara, formare si transfer de cunostinte

Tipul contractului: Platforma tehnologica

Numarul contractului/anul: 39C/2006

Codul CNCSIS: 107/2006

Beneficiar: CNCSIS-MEC

Calitatea: membru

28. Titlu: MIPROEN - Mini instalatie de productie a energiei din surse regenerabile -aplicatie pentru microunitati si ansambluri rezidentiale

Tipul contractului: PNII - PARTENERIATE

Numarul contractului/anul: 2738/2007

Beneficiar: MCT-ANCS

Institutie coordonatoare: ICSI Rm. Valcea

Calitatea: membru in colectivul Partenerului 1, Universitatea din Craiova

29. Titlu: EFES-TREL - Studiu si implementarea unei solutii tehnologice pentru sporirea eficientei energetice, a sigurantei si securitatii in transportu electric urban

Tipul contractului: PNII - PARTENERIATE

Numarul contractului/anul: 3743/2007

Beneficiar: MCT-ANCS

Institutie coordonatoare: Universitatea din Craiova

Calitatea: membru

30. Titlu: HPPMSCEN: Centru de Cercetare Fundamentala si Aplicativa in Plasme de Pulverizare Magnetica Pulsata de Inalta Putere

Tipul programului: PNII - CAPACITATI, Modulul I

Perioada de derulare a contractului: 2008-2009

Numarul contractului de finantare/anul: 180/2008

Beneficiar: MCT-ANCS

Calitatea: membru

31. Titlu: Studiul electrochimic al dizolvării monosulfurilor de fier

Tipul contractului: PNII - CAPACITATI, Modulul III

Parteneriat IFA-CEA Franta

Autoritatea contractanta: Institutul de Fizica Atomica - IFA

Contractor: Universitatea din Craiova

Perioada de derulare a contractului: 2010-2013

Numarul contractului de finantare/anul: 01.10.2010

Calitatea: membru

32. Titlu: AMS analyses of concentrations of hydrogen isotopes and other elements in tiles dismantled from the Toroidal Pump Limiter at Tore Supra Tokamak

Tipul contractului: Parteneriat IFA-CEA

Numarul contractului: /anul: C2-04/2011

Calitatea: membru in colectivul Universitatii "Politehnica" Bucuresti

33. Titlu: Process and device for thin films deposition in highly ionized pulsed plasma (PIDESS)

Tipul contractului: PN II Parteneriate

Numarul contractului/anul:174/2012; 2012-2015

Calitatea: membru

Data: 02.06.2025

