

Listă de lucrări

Articole științifice ISI publicate in extenso în reviste Web of Science

1. **R. Jijie**, V. Pohoata and I. Topala, *Thermal behavior of bovine serum albumin after exposure to barrier discharge helium plasma jet*, Applied Physics Letters, 101 (2012) 144103.
(IF = 3.495, AIS = 0.927, Citări: 9)
- 2 **R. Jijie**, C. Luca, V. Pohoata and I. Topala, *Effects of Atmospheric Pressure Plasma Jet on Pepsin Structure and Function*, IEEE Transactions On Plasma Science, 40 (11) (2012) 2980-2985.
(IF = 1.253, AIS = 0.297, Citări: 3)
- 3 K. Hensel, K. Kučerová, B. Tarabová, M. Janda, Z. Machala, K. Sano, C. T. Mihai, M. Ciorpac, L. D. Gorgan, **R. Jijie**, V. Pohoata and I. Topala, *Effects of air transient spark discharge and helium plasma jet on water, bacteria, cells and biomolecules*, Biointerphases 10 (2) (2015) 029515.
(IF = 2.455, AIS = 0.601, Citări: 29)
- 4 V. Turcheniuk, V. Raks, R. Issa, R. Cooper, P. J. Cragg, **R. Jijie**, N. Dumitrascu, Mikhalovska, A. Barras, V. Zaitsev, R. Boukherroub, S. Szunerits, *Antimicrobial activity of menthol modified nanodiamond particles*, Diamond & Related Materials 57(2015) 2-8
(IF = 2.232, AIS = 0.442, Citări: 13).
- 5 **R. Jijie**, T. Dumych, L. Chengnang, J. Bouckaert, K. Turcheniuk, C. Hage, L. Heliot, B. Cudennec, N. Dumitrascu, R. Boukherroub and S. Szunerits, *Particle-based photodynamic therapy based on Indocyanine green modified plasmonic nanostructures for inactivation of Crohn's disease-associated Escherichia coli*, Journal of Materials Chemistry B, 4 (2016) 2598-2605.
(IF: 4.776, AIS: 0.961, Citări: 5)
- 6 M. Houcem, **R. Jijie**, G. Pan, D. Drider, D. Caly, J. Bouckaert, N. Dumitrascu, R. Chtourou, S. Szuneritz and R. Boukherroub, *A 980 nm driven photothermal ablation of virulent and antibiotic resistant Gram-positive and Gram-negative bacteria strains using Prussian blue nanoparticles*, Journal of Colloid and Interface Science, 480 (2016) 63-68.
(IF: 5.091, AIS: 0.785, Citări: 6)
- 7 I. Mihaila, V. Pohoata, **R. Jijie**, A.V. Nastuta, I. Rusu and I. Topala, *Formation of positive ions in hydrocarbon containing dielectric barrier discharge plasma*, Advances in Space Research 58 (11) (2016) 2416-2423.
(IF: 1.529, AIS: 0.440, Citări: 1)

- 8 S. Boulahneche, **R. Jijie**, A. Barras, F. Chekin, S. K. Singh, J. Bouckaert, M. Medjram, S. Kurungot, R. Boukherroub and S. Szunerits, *On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes*, Journal of Materials Chemistry B 5(32) (2017) 6557-6565.
(IF: 4.776, AIS: 0.961, Citări: 2, Cover Page)
- 9 C. Gerber, I. Mihaila, D. Hein, A. Nastuta, **R. Jijie**, V. Pohoata and I. Topala, *Time Behaviour of Helium Atmospheric Pressure Plasma Jet Electrical and Optical Parameters*, Applied Sciences 7(8) (2017), p.812
(IF: 1.689, AIS: 0.338, Citări: 0).
- 10 F. Halouane¹, **R. Jijie**¹, D. Meziane, C. Li, SK Singh, J Bouckaert, J Jurazek, S Kurungot, A Barras, M. Li, R. Boukherroub, S. Szunerits, *Selective isolation and eradication of E. coli associated with urinary tract infections using anti-fimbrial modified magnetic reduced graphene oxide nanoheaters*, Journal of Materials Chemistry B 5.40 (2017): 8133-8142.
(IF: 4.776, AIS: 0.961, Cover Page, Citări: 2)
- 11 K. Kanlouche¹ **R. Jijie**¹, R. Jijie¹, I Hosu, A. Barras, T. Gharbi, R. Yahiaoui, G. Herlem, M. Ferhat, S. Szunerits, R. Boukherroub, *Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples*, Talanta 178 (2018): 432-440.
(IF: 4.244, AIS: 0.738)
- 12 **R. Jijie**, A. Barras, R. Boukherroub, S. Szunerits, *Nanomaterials for transdermal drug delivery: beyond the state of the art of liposomal structures*, Journal of Materials Chemistry B, 5 (44) (2017), 8653-8675.
(IF: 4.776, AIS: 0.961, Citări: 1).
- 13 **R. Jijie**, K. Kahlouche, A. Barras, N. Yamakawa, J. Bouckaert, T. Gharbi, S. Szunerits, R. Boukherroub, *Reduced graphene oxide/polyethylenimine based immunosensor for the selective and sensitive electrochemical detection of uropathogenic Escherichia coli*, Sensors and Actuators B: Chemical 260(2018)255-263.
(IF: 5.667, AIS: 0.787, Citări: 1).
- 14 **R. Jijie**, A. Barras, F. Teodorescu, R. Boukherroub and S. Szunerits, *Advancements on the molecular design of nanoantibiotics: current level of development and future challenges*, Molecular Systems Design & Engineering 2.4 (2017): 349-369.
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- 15** A. Vasilescu, R. Ye, S. Boulahneche, S. Lamraoui, **R. Jijie**, M. Medjram, S. Gaspar, S. Singh, S. Kurungot, S. Melinte, R. Boukherroub, S. Szunerits, *Porous reduced graphene oxide modified electrodes for the analysis of calcitonin containing pharmaceutical formulation*, *Electrochimica Acta* 266(2018) 364-372.
(**IF: 5.116, AIS: 0.832**).
- 16** F. Chekin, K. Bagga, P. Subramanian, **R. Jijie**, S. Kurungot, R. Boukherroub, S. Szunerits, *Nucleic aptamer modified porous reduced graphene oxide/ MoS₂ based electrodes for viral detection: Application to human papillomavirus*, *Sensors and Actuators B: Chemical* 262(2018) 991-1000.
(**IF: 5.667, AIS: 0.787, Citări: 1**).
- 17** F. Chekin, A. Vasilescu, **R. Jijie**, S. Singh, S. Kurungot, M. Iancu, G. Badea, R. Boukherroub, S. Szunerits, *Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode*, *Sensors and Actuators B: Chemical* 262(2018) 180-17.
(**IF: 5.667, AIS: 0.787, Citări: 1**).
- 18** **R. Jijie**, A Barras, T. Teslaru, I. Topala, V. Pohata, M. Dobromir, T. Dumych, J. Bouckaert, S. Szunerits, N. Dumitrascu, R. Boukherroub, *Aqueous Medium-Induced Micropore Formation in Plasma Polymerized Polystyrene: An effective route to Inhibit Bacteria Adhesion*, *Journal of Materials Chemistry B* 6(2018) 3674-3683.
(**IF: 4.776, AIS: 0.961**).
- 19** **R. Jijie**, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, *Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects*, *Colloids and Surfaces B: Biointerfaces* 170 (2018) 347-354.
(**IF: 3.997, AIS: 0.739, Cover Page**).
- 20.** M. Amiri, M. Fallahi, A. Bezaatpour, R. Jijie, M. Nozari, M. Rouhi, R. Boukherroub, S. Szunerits, "A Solution Processable Cu (II) macrocycle for the Formation of Cu₂O Thin Film on ITO and its Application for Water Oxidation" *The Journal of Physical Chemistry C* (2018) in press.
(**IF: 4.484, AIS: 1.105**).

Articole științifice în volumul unor manifestări științifice naționale și internaționale

1. D. Ciubotaru, **R. Jijie**, V. Pohoata, I. Mihaila, A. Nastuta, M. Dobromir, I. Topala, *Spectroscopic studies of gas phase and deposited films in He/H₂/CnH_{2n+2} atmospheric pressure plasmas*, 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (2016).
2. **R. Jijie**, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, *Copolymerization and Water Stability of Atmospheric Pressure Plasma Polymerized Films from Allylamine and Styrene*, ISPC 22 – 22nd International Symposium on Plasma Chemistry (2015).
3. I. Topala, **R. Jijie**, A. Nastuta, I. Rusu, I. Mihaila and V. Pohoata, *Considerations on the use of atmospheric pressure plasma to generate complex molecular environments with relevance for molecular astrophysics*, ISPC 22 – 22nd International Symposium on Plasma Chemistry (2015).
4. **R. Jijie**, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, A. Barras, R. Boukherroub, N. Dumitrascu, *Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media*, Proceedings of the XXXII International Conference on Phenomena in Ionized Gases - ICPIG (2015).
5. T. Teslaru, **R. Jijie**, M. Dobromir, V. Pohoata, I. Topala, V. Antoci, C.-I. Ciobanu, N. Dumitrascu, *On the polymerization reactions of thiophene monomers under atmospheric plasma conditions*, Proceedings of the XXXII International Conference on Phenomena in Ionized Gases - ICPIG (2015).
6. **R. Jijie**, L. Curecheriu, G. Rusu, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, *Copolymerization of ethylene glycol with styrene: synthesis, characterization and stability in biological media*, JNRDM, 26-28 May 2014, Lille, France.
7. **R. Jijie**, V. Pohoată, I. Topală, *Rayleigh scattering study of bovine serum albumin thermal aggregation after exposure to barrier discharge helium plasma jet*, Proceedings of the 11th International Conference on Global Research and Education-INTER-ACADEMIA (2012).
8. **R. Jijie**, A. Demeter, V. Pohoată, I. Topală, *Effects of helium atmospheric pressure plasma jet on the BSA structure and thermal induced aggregation*, Proceedings of the XXXI International Conference on Phenomena in Ionized Gases - ICPIG (2013).
9. **R. Jijie**, I. Topală, *Study of protein thermal denaturation using UV-VIS spectroscopy*, Revista Științifică „V. Adamachi” (2011).
10. **R. Jijie**, V. Pohoată, I. Topală, *Study of protein thermal aggregation process by Rayleigh Scattering*, Revista Științifică „V. Adamachi” (2012).

Lucrări prezentate la conferințe internaționale

1. **R. Jijie**, I. Topala, G. Rusu, M. Dobromir, V. Pohoata, N. Dumitrascu, *Atmospheric pressure plasma treatments of protein films and powders*, 10th International Conference on Global Research and Education (inter-Academia), 26-29 September 2011, Sucevita, Romania (poster).
2. **R. Jijie**, G. Bogdan Rusu, I. Topala, V. Pohoata and N. Dumitrascu, *Study of protein aggregation and enzymatic activity after exposure to dielectric barrier plasma jet in helium*, 4th International Conference on Plasma Medicine, Orléans, France, from June 17 to June 21, 2012 (poster).
3. I. Topala, A. Nastuta, **R. Jijie**, V. Pohoata, N. Dumitrascu, *Temporal kinetics of light emission from plasma at the interface with animal tissues*, 4th International Conference on Plasma Medicine, Orléans, France, from June 17 to June 21, 2012 (poster).
4. **R. Jijie**, V. Pohoata and I. Topala, *Rayleigh scattering study of bovine serum albumin thermal aggregation after exposure to barrier discharge helium plasma jet*, 11th International Conference on Global Research and Education (inter-Academia), 27-30 August 2012, Budapest, Hungary (prezentare orală)
5. **R. Jijie**, V. Pohoata and I. Topala, *Application of spectroscopic techniques for studying the effects of non-thermal plasma on biomacromolecules*, 9th International Conference On Physics Of Advanced Materials (ICPAM-9), 20-23 September 2012, Iasi, Romania (poster).
6. **R. Jijie**, V. Pohoata and I. Topala, *Modification of protein properties in aqueous solutions by direct helium plasma treatment*, 16th International Conference on Plasma Physics and Applications (CPPA), 20-25 June 2013, Magurele, Bucharest, Romania (poster).
7. A. Demeter, C. Lazarou, **R. Jijie**, A. V. Nastuta, V. Pohoata, I. Mihaila, G. Georghiou, I. Topala, *Experimental investigation and modeling of atmospheric pressure helium plasma jet for direct treatment of living tissues*, 16th International Conference on Plasma Physics and Applications (CPPA), 20-25 June 2013, Magurele, Bucharest, Romania (prezenntare orală).
8. **R. Jijie**, A. Demeter, V. Pohoata and I. Topala, *Effects of helium atmospheric pressure plasma jet on the BSA structure and thermal induced aggregation*, XXXI edition of the International Conference on Phenomena in Ionized Gases (ICPIG), 14-19 July 2013, Granada, Spain (poster).

9. K Hensel, M. Janda, K. Tarabova, B. Tarabova, Z. Machala, **R. Jijie**, C. T. Mihai, L. Gorgan, I. Topala, *Inactivation of bacteria and cells by DC transient spark discharge*, 5th International Conference on Plasma Medicine (ICPM5), 18 -23 May 2014, Nara, Japan (poster: 19–P03-13).
10. **R. Jijie**, L. Curecheriu, G. Rusu, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, *Copolymerization of ethylene glycol with styrene: synthesis, characterization and stability in biological media*, JNRDM, 26-28 May 2014, Lille, France (poster).
11. **R. Jijie**, L. Curecheriu, G. Rusu, M. Dobromir, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, *Deposition and characterization of plasma (co)polymerized films at the interface with biological medium*, High-Tech Plasma Processes, 22-27 June 2014, Toulouse, France (poster: PS1-19).
12. **R. Jijie**, V.Pohoată, I. Topală, N. Dumitrașcu, *Study of plasma polymerization process using atyrene and ethylene glycol vapors*, 13th International Conference on Global Research and Education (inter-Academia), 10-12 September 2014, Riga, Latvia (*short oral presentation of special poster session for young researchers*, iAY 22).
13. **R. Jijie**, V. Turcheniuk, T. Filipiak, J. Bouckaert, M. Dobromir, A. Barras, S. Szunerits, R. Boukherroub, *Surface Plasmon Resonance: a useful technique for studying bacteria ashesion on menthol-functionalized surfaces*, 10th International Conference On Physics Of Advanced Materials (ICPAM-10), 22-28 September 2014, Iasi, Romania (poster: P-9).
14. K. Hensel, K. Tarabova, K. Sano, B. Tarabova, M. Janda, Z. Machala, **R. Jijie**, C. T. Mihai, L. Gorgan, V. Pohoata, I. Topala, *DC Transient Spark Discharge in Water effects on cells, DNA, proteins and enzymes*, 20th Symposium on Application of Plasma Processes, SAPP XX & COST TD1208 Workshop on Application of Gaseous Plasma with Liquids, 17-22 January 2015, Tatranska Lomnica, Slovakia (poster: P-35).
15. T. Teslaru, **R. Jijie**, I. Topala, M. Dobromir, V. Pohoata, N. Dumitrascu, *Stability of Polymers obtained in plasma reactors at atmospheric pressure*, European Winter Conference on Plasma Spectroscopy (EWCPs), 22-26 February 2015, Munster, Germany (poster: FU2-PO08).
16. I. Mihaila, **R. Jijie**, V.Pohoata, A. Nastuta, I. Rusu, I. Topala, *Mass spectrometry diagnosis of hydrocarbon containing plasmas with relevance for molecular*

astrophysics of hot cores, COST Action Our Astrochemical History CM1401, 25 – 29 May 2015, Prague, Czech Republic (poster – P16).

17. **R. Jijie**, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, *Copolymerization and Water Stability of Atmospheric Pressure Plasma Polymerized Films from Allylamine and Styrene*, ISPC 22 – 22nd International Symposium on Plasma Chemistry, 5 – 10 July 2015, Antwerp, Belgium (poster – P-III-6-23).
18. I. Topala, **R. Jijie**, A. Nastuta, I. Rusu, I. Mihaila and V. Pohoata, *Considerations on the use of atmospheric pressure plasma to generate complex molecular environments with relevance for molecular astrophysics*, ISPC 22 – 22nd International Symposium on Plasma Chemistry, 5 – 10 July 2015, Antwerp, Belgium (poster – P-I-2-68).
19. **R. Jijie**, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, A. Barras, R. Boukherroub, N. Dumitrascu, *Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media*, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (poster – P4.58).
20. T. Teslaru, **R. Jijie**, M. Dobromir, V. Pohoata, I. Topala, V. Antoci, C.-I. Ciobanu, N. Dumitrascu, *On the polymerization reactions of thiophene monomers under atmospheric plasma conditions*, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26-31 July 2015, Iasi, Romania (poster – P3.39).
21. I. Mihaila, V. Pohoata, **R. Jijie**, A. Nastuta, I. Rusu, I. Topala, *Influence of discharge geometry on extraction of positive ion populations from atmospheric pressure plasmas*, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (poster – P2.18).
22. I. Topala, K. Hensel, K. Kucerova, B. Tarabova, M. Janda, Z. Machala, C. T. Mihai, L. D. Gorgan, **R. Jijie**, M. Ciorpac and V. Pohoata, *Cell exposure to atmospheric pressure plasmas: modification of cell cycle and molecular structure*, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- - 31 July 2015, Iasi, Romania (invited presentation).
23. Z. Machala, K. Hensel, K. Kučerová, B. Tarabová, M. Janda, C.T. Mihai, L. Gorgan, **R. Jijie**, I. Topala, *Air transient spark discharge vs. helium plasma jet: The effects on bacteria, cells, and biomolecules*, Bioplasmas & Plasmas with Liquids - Joint Conference of COST TD1208 ‘Electrical discharges with liquids for future applications’, Bertinoro (Italy), September 13-17, p. USB (2015).

24. K. Kučerová, M. Janda, Z. Machala, K. Hensel, **R. Jijie**, C.T. Mihai, L. Gorgan, I. Topala, *Chemical and Biological Effects of Air DC Transient Spark Discharge in Water Electrode System*, 6th Central European Symposium on Plasma Chemistry CESPC, Bressanone (Italy), September 6-10, p. USB (2015).
25. K. Turcheniuk, **R. Jijie**, J. Boukaert, N. Dumitrascu, R. Boukherroub, S. Szunerits, *Plasmonic nanostructures for the inactivate of bacteria strains*, 2016 E-MRS Spring Meeting, Materials – Established and emerging nanocolloids/ from synthesis and characterization to applications II (invited presentation J.1.5).
26. **R. Jijie**, T. Dumych, K. Turcheniuk, C. Hage, L. Helio, N. Dumitrascu, J. Boukaert, R. Boukherroub, S. Szunerits, *Photodynamic inactivation of pathogenic bacteria by plasmonic nanostructures embedded with indocyanine green*, 2016 E-MRS Spring Meeting, Biomaterials – Multifunctional nanostructures for diagnostic and therapeutic of diseases (poster R.9.54).
27. H. Maaoui, **R. Jijie**, R. Chtourou, S. Szunerits and R. Boukherroub, *980-nm driven photothermal ablation of virulent and antibiotic resistant Gram-positive and Gram-negative bacteria strains*, 2016 E-MRS Spring Meeting, Biomaterials – Smart biointerfaces for functional biomaterials (oral presentation Q.10.2).
28. D. Ciubotaru, **R. Jijie**, V. Pohoata, I. Mihaila, A. Nastuta, M. Dobromir, I. Topala, *Spectroscopic studies of gas phase and deposited films in He/H₂/C_nH_{2n+2} atmospheric pressure plasmas*, 2016, 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases, July 12-16, 2016, Bratislava, Slovakia (poster P03-08-01).
29. I. Topala, C. Gerber, D. Hein, A. Nastuta, **R. Jijie**, V. Pohoata, I. Mihaila, C. Mihai, L. Gorgan, *Atmospheric pressure plasma jets for life science*, 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases, July 12-16, 2016, Bratislava, Slovakia (invited presentation TL4).
30. **R. Jijie**, T. Teslaru, V. Pohoata, M. Dobromir, J. Bouckaert, S. Szunerits, R. Boukherroub, N. Dumitrascu, *Antibiofouling properties of plasma polymerized styrene film*, 11th International Conference On Physics Of Advanced Materials (ICPAM-11), 8-14 September 2016, Cluj-Napoca, Romania (oral presentation).
31. **R. Jijie**, Delia Ciubotaru, Valentin Pohoata, Ilarion Mihaila, Andrei Vasile Nastuta, Marius Dobromir, Ionut Topala, *Characterization of carbonaceous deposits as interstellar dust analogs produced in hydrocarbon containing plasmas at atmospheric pressure*, 11th International Conference On Physics Of Advanced Materials (ICPAM-11), 8-14 September 2016, Cluj-Napoca, Romania (poster).

32. S. Szunerits, **R. Jijie**, S. Boulahneche, S. K. Singh, M. S. Medjram, S. Kurungot, R. Boukherroub, “*On demand release of antibiotics from porous reduced graphene oxide modified flexible electrodes*”, Symposium 3: Electrochemical Approaches to Clinical Diagnostics and Medical Devices. The 68th Annual Meeting of the International Society of Electrochemistry, 27 August to 1 September, 2017, Providence, RI, USA (**invited presentation**).

Lucrări prezentate la conferințe naționale

1. **R. Jijie**, I. Topala and N. Dumitrascu, *Study of Protein Thermal Denaturation using UV-VIS Spectroscopy*, 40st National Conference on Physics and Modern Education Technologies (FTEM), 12-14 May 2011, Iași, Romania (**prezentare orală**).
2. **R. Jijie**, I. Topala, V. Pohoata, N. Dumitrascu, *Studiu unor biomolecule modificate în plasmă la presiune atmosferică utilizând spectroscopia de fluorescență*, Student Scientific Conference FARPHYS, 29 October 2011, Iași, Romania (poster).
3. **R. Jijie**, V. Pohoata, I. Topala, *Study of Protein Thermal Aggregation Process by Rayleigh Scattering*, 41st National Conference on Physics and Modern Education Technologies (FTEM), 17-19 May 2012, Iași, Romania (poster).
4. V. Chiriac, **R. Jijie**, I. Topala, *Spectroscopic study of hemoglobin after exposure to denaturing agents*, 41st National Conference on Physics and Modern Education Technologies (FTEM), 17-19 May 2012, Iași, Romania (poster).
5. A. Demeter, **R. Jijie**, I. Topala, *Optical properties study of human skin in the UV-Vis spectral range*, 41st National Conference on Physics and Modern Education Technologies (FTEM), 17-19 May 2012, Iași, Romania (poster).
6. **R. Jijie**, A. Demeter, V. Pohoata and I. Topala, *Albumin Aggregation Capacity After Exposure to Atmospheric Pressure Plasma, UV Laser and Pulsed Ultrasound Field*, 5th National Conference of Applied Physics, 23-24 May 2013, Iasi, Romania (poster).

7. **R. Jijie**, A. Demeter, V. Pohoata and I. Topala, *X-ray photoelectron spectroscopy study of amino acids chemical structure after exposure to helium atmospheric pressure plasma jet*, 12th National Conference on Biophysics “CNB 2013” - Biophysics for Health, with International Participation, 13-16 June 2013, Iasi Romania (poster).

8. **R. Jijie et al.**, *Modelul “Noaptea Cercetătorilor”*: o posibilă soluție pentru revitalizarea interesului elevilor pentru știință, a XLII-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 25 – 27 octombrie 2013, Iași, România (prezentare orală).

9. **R. Jijie**, T. Teslaru, M. Totolin, I. Topala, N. Dumitrascu, *Effects of cleaning method on the plasma polymerized thiophene (PPT_h) films surface characteristics*, a XLII-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 25 – 27 octombrie 2013, Iași, România (poster).