

INFORMAȚII PERSONALE

Mihai Boni

 Vanatorilor, 43B, 077125 Magurele (România)

 +4 0214575739  +4 0749615357

 mihai.boni@inflpr.ro

Sexul Masculin | Data nașterii 24/09/1987 | Naționalitatea română

EXPERIENȚA PROFESIONALĂ

22/01/2013–Prezent

Cercetator Științific

Institutul Național de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei și Radiației
Str. Atomistilor, nr. 409, C.P. MG-36, 077125 Măgurele (România)
www.inflpr.ro

Tipul sau sectorul de activitate Cercetare

04/01/2009–21/01/2013

Asistent Cercetare Științific

Institutul Național de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei și Radiației
Str. Atomistilor, nr. 409 C.P. MG-36, 077125 Măgurele (România)
www.inflpr.ro

Tipul sau sectorul de activitate Cercetare

EDUCAȚIE ȘI FORMARE

01/10/2011–Prezent

Doctorand

Facultatea de Fizică, Universitatea din București
Str. Atomistilor, nr. 405, 077125 Măgurele (România)

01/10/2009–30/06/2011

Diplomă de Master

Facultatea de Fizică, Universitatea din București
Str. Atomistilor, Nr. 405, CP MG - 11, 077125 Măgurele (România)

01/10/2006–30/06/2009

Diplomă de Licență

Facultatea de Fizică, Universitatea din București
Str. Atomistilor, nr. 405, CP MG - 11, 077125 Magurele (România)

06/05/2014–08/05/2014

International Advanced Course in Liquid Interfaces, Drops and Sprays (LIDESP)

Training School - Cost Action MP 1106 - Technische Universität Darmstadt, Darmstadt (Germania)

02/04/2014–05/04/2014

Particles at Liquid Interfaces-Fundamentals and Applications

Training School - COST Action CM1101, Bonassola (Italia)

04/10/2013–02/11/2013

Interaction of the laser beams with microdroplets having a controlled content

Stagiu de lucru - Consiglio Nazionale delle Ricerche Istituto per l' Energetica e le Interfasi, Genova (Italia)

- 24/09/2012–28/09/2012 **Seventeenth International School on Quantum Electronics: "Laser Physics and Applications"**
Nessebar (Bulgaria)

- 09/07/2012–13/07/2012 **Lab VIEW Core 1 și Lab VIEW Core 2**
National Instruments, Magurele (România)

- 27/11/2011–10/12/2011 **Ultra Short and Intense Laser Technology and Metrology**
Cursul Intensiv Erasmus - Universitatea din Bordeaux, Bordeaux (Franța)

- 12/04/2011–15/04/2011 **Fluid and Solid Interfaces**
Training School - COST Action D43, Universitatea din Sofia, Sofia (Bulgaria)

COMPETENȚE PERSONALE

Limba(i) maternă(e) română

Alte limbi străine cunoscute

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	B2	B2	B2	B1	B1
Franceza	A2	A2	A2	A2	A1

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe organizaționale/manageriale

- Președinte Chapter SPIE România (The International Society for Optical Engineering) 2011-2012;
- Secretar Chapter SPIE România (The International Society for Optical Engineering) 2010-2011;
- Vicepreședinte al Asociației Studenților Fizicieni (ASF)2008/2009; 2006/2007.

- Organizator - "International Student Conference on Photonics (ISCP)", Mai 2012, Sinaia, Romania;
- Membru în comisia de organizare a conferinței "International Student Workshop on Laser Applications", editia 2010, 2011, Bran, Romania;
- Membru în comisia de organizare a Târgului Educațional pentru Facultatea de Fizică (perioada 2008/2009, 2007/2008, 2006/2007), la Universitatea București.

Competențele digitale

Atestat profesional informatică- programator PC
O bună stăpânire a instrumentelor Microsoft Office (Word, Excel și PowerPoint), Origin
Abilitate în folosirea limbajelor de programare: C,C++,Labview, Mathematica
Cunoștințe elementare ale aplicațiilor de grafică pe calculator(3DMax™, PhotoShop™).

Alte competențe

Abilitati in: redactarea propunerilor de proiecte de cercetare si in coordonarea unor pachete de lucru

ale acestora; redactarea lucrarilor stiintifice;
Participare la elaborarea documentatiei de faze ale proiectelor nationale;

Atestat profesional de Agent de turism

Permis de conducere A, B

INFORMAȚII SUPLIMENTARE

Activitate științifică Hirsch index: 7

Număr de citări fără auto-citări: 70

ARTICOLE

21. **Boni, M.**, A. Staicu, I. R. Andrei, A. Smarandache, V. Nastasa, M. Comor, Z. Saponjic, and M. L. Pascu. "Y Studies on Laser Induced Emission of Microdroplets Containing Rhodamine 6g Solutions in Water Doped with Tio2 Nanoparticles." *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 519 (Apr 2017): 238-44. **(AIS:0,5600)**
20. Smarandache, A., **M. Boni**, I. R. Andrei, J. Handzlik, K. Kiec-Kononowicz, A. Staicu, and M. L. Pascu. "Spectroscopic Investigations of Novel Pharmaceuticals: Stability and Resonant Interaction with Laser Beam." *Applied Surface Science* 417 (Sep 2017): 143-48. **(AIS:0,5880)**
19. Andrei, I. R., T. Tozar, A. Dinache, **M. Boni**, V. Nastasa, and M. L. Pascu. "Chlorpromazine Transformation by Exposure to Ultraviolet Laser Beams in Droplet and Bulk." *European Journal of Pharmaceutical Sciences* 81 (Jan 2016): 27-35. **(AIS:0,8040)**
18. Moran, M. C., T. Tozar, A. Simon, A. Dinache, A. Smarandache, I. R. Andrei, **M. Boni**, et al. "Toxicity Study in Blood and Tumor Cells of Laser Produced Medicines for Application in Fabrics." *Colloids and Surfaces B-Biointerfaces* 137 (Jan 2016): 91-103. **(AIS:0,7670)**
17. Nastasa, V., A. Pascu, **M. Boni**, A. Smarandache, A. Staicu, and M. L. Pascu. "Insights into the Photophysics of Zinc Phthalocyanine and Photogenerated Singlet Oxygen in Dms0-Water Mixture." *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 505 (Sep 2016): 197-203. **(AIS:0,5600)**
16. Smarandache, A., V. Nastasa, **M. Boni**, A. Staicu, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, and M. L. Pascu. "Laser Beam Resonant Interaction of New Hydantoin Derivatives Droplets for Possible Biomedical Applications." *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 505 (Sep 2016): 37-46. **(AIS:0,5600)**
15. Alexandru, T., A. Staicu, A. Pascu, E. Radu, A. Stoicu, V. Nastasa, **M. Boni**, et al. "Characterization of Mixtures of Compounds Produced in Chlorpromazine Aqueous Solutions by Ultraviolet Laser Irradiation: Their Applications in Antimicrobial Assays." *Journal of Biomedical Optics* 20, no. 5 (May 2015). **(AIS:0,6850)**
14. **Boni, M.**, V. Nastasa, A. Staicu, I. R. Andrei, and M. L. Pascu. "Characterisation of Fluorescent Pendant Droplets." *Romanian Reports in Physics* 67, no. 4 (2015): 1278-87. **(AIS:0,1840)**
13. **Boni, M.**, V. Nastasa, I. R. Andrei, A. Staicu, and M. L. Pascu. "Enhanced Fluorescence Emitted by Microdroplets Containing Organic Dye Emulsions." *Biomicrofluidics* 9, no. 1 (Jan 2015). **(AIS:0,7750)**
12. Dinache, A., **M. Boni**, T. Alexandru, E. Radu, A. Stoicu, I. R. Andrei, A. Staicu, et al. "Surface Properties of Vancomycin after Interaction with Laser Beams." *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 480 (Sep 2015): 328-35. **(AIS:0,5920)**
11. Simon, A., T. Alexandru, **M. Boni**, V. Damian, A. Stoicu, V. Dutschk, and M. L. Pascu. "Interaction of Solutions Containing Phenothiazines Exposed to Laser Radiation with Materials Surfaces, in View of Biomedical Applications." *International Journal of Pharmaceutics* 475, no. 1-2 (Nov 2014): 270-81. **(AIS:0,1290)**
10. Alexandru, T., M. L. Pascu, B. Danko, V. Nastasa, **M. Boni**, A. Militaru, I. R. Andrei, et al.

"Generation and Biological Evaluation of the Products Formed from the Exposure of Phenothiazine to a 266 Nm Laser Beam." In *Romopto 2012: Tenth Conference on Optics: Micro- to Nanophotonics Iii*, edited by V. I. Vlad. Proceedings of Spie, 2013.

09. Armada, A. M., T. Alexandru, D. Machado, B. Danko, A. Hunyadi, A. Dinache, **M. Boni**, et al. "The in Vitro Activity of Products Formed from Exposure of Chlorpromazine to a 266nm Laser Beam against Species of Mycobacteria of Human Interest." *In Vivo* 27, no. 5 (Sep-Oct 2013): 605-10. **(AIS:0,2830)**

08. Dinache, A., **M. Boni**, and M. L. Pascu. "Phenothiazine Derivatives Interaction with Laser Radiation." *Romanian Reports in Physics* 65, no. 3 (2013): 1078-91. **(AIS-0.1330)**

07. Pascu, M. L., B. Danko, A. Martins, N. Jedlinski, T. Alexandru, V. Nastasa, **M. Boni**, et al. "Exposure of Chlorpromazine to 266 Nm Laser Beam Generates New Species with Antibacterial Properties: Contributions to Development of a New Process for Drug Discovery." *Plos One* 8, no. 2 (Feb 2013). **(AIS:1,3700)**

06. Staicu, A., A. Pascu, **M. Boni**, M. L. Pascu, and M. Enescu. "Photophysical Study of Zn Phthalocyanine in Binary Solvent Mixtures." *Journal of Molecular Structure* 1044 (Jul 2013): 188-93. **(AIS:0,2890)**

05. **Boni, M.**, V. Nastasa, A. Militaru, A. Smarandache, I. R. Andrei, A. Staicu, and M. L. Pascu. "Laser Beams Interaction with Liquids in Optofluidic Experiments." *Romanian Reports in Physics* 64 (2012): 1179-94. **(AIS:0,1250)**

04. Hunyadi, A., B. Danko, **M. Boni**, A. Militaru, T. Alexandru, V. Nastasa, I. R. Andrei, M. L. Pascu, and L. Amaral. "Rapid, Laser-Induced Conversion of 20-Hydroxyecdysone and Its Diacetonide - Experimental Set-up of a System for Photochemical Transformation of Bioactive Substances." *Anticancer Research* 32, no. 4 (Apr 2012): 1291-97. **(AIS:0,4370)**

03. Nastasa, V., **M. Boni**, I. R. Andrei, L. Amaral, A. Staicu, and M. L. Pascu. "Optical Investigation of Medicine Solutions in Micro-Droplets Form at Interaction with Laser Radiation." In *Physical Chemistry of Interfaces and Nanomaterials X*, edited by C. Silva. Proceedings of Spie, 2011.

02. Nastasa, V., V. Pradines, I. R. Andrei, **M. Boni**, M. L. Pascu, and R. Miller. "Studies About the Generation and Characterisation of Microdroplets with a Controlled Content." *Optoelectronics and Advanced Materials-Rapid Communications* 4, no. 11 (Nov 2010): 1916-19. **(AIS:0,0780)**

01. Pascu, M. L., A. Smarandache, **M. Boni**, J. Kristiansen, V. Nastasa, and I. R. Andrei. "Spectral Properties of Some Molecular Solutions." *Romanian Reports in Physics* 63 (2011): 1267-84. **(AI:0,1250)**

PREZENTĂRI ORALE

43. Staicu, A, **M. Boni**; I. R. Andrei; A. Smarandache; V. Nastasa; Z. Saponjic; M.L. Pascu; "Studies on the laser induced emission of pendant droplets of dye water solutions containing TiO2 nanoparticles"; Smart and Green Interfaces Conference 2016, , Athens, Greece; 04 – 06 May 2016

42. **Boni, M**; Andrei,IR; Staicu, A; Pascu, ML; "Lasing effects in microvolumetric droplets pumped by laser beams", EMN Meeting On Droplets 2016, , Donostia-San Sebastián, Spain; 10 – 13 May 2016.

41. **M. Boni**, V. Nastasa, I.R. Andrei, A. Staicu, M.L. Pascu, Emission spectra of pendant droplets containing dye solutions and emulsions, 116th Annual Meeting of DGaO, Brno, Republica Cehă, 27 - 29 mai 2015

40. **M. Boni**, V. Nastasa, I.R. Andrei, A. Staicu, M.L. Pascu, Resonant interaction of laser beams with pendant droplets of emulsions, 3rd EOS Conference on Optofluidics (EOSOF 2015), Munchen, Germania, 21 - 24 iunie 2015.

39. **M. Boni**, V. Nastasa, I.R. Andrei, A. Staicu, M.L. Pascu, Lasing emission by microdroplets of emulsion, Smart and green interfaces- Conference 2015, Belgrade, Serbia March 2015.

38. A. Staicu , A. Dinache, A. Smarandache, T. Tozar, A. Pascu, V. Nastasa, **M. Boni**, A. Simon , I. R. Andrei , M. Enescu , M. L. Pascu, Photophysical studies of some compounds of interest in targeted drug delivery , International Conference on Optics "Micro- to Nano-Photonics IV - ROMOPTO 2015, Bucharest, Romania, September 1 - 4, 2015.

37. A. Dinache, T. Tozar, **M. Boni**, A. Staicu, V. Nastasa, A. Stoicu, I.R. Andrei, V. Damian, E. Radu, M. Ferrari, M. L. Pascu (2015), Smart and green interfaces- Conference 2015, Belgrade, Serbia, 31 March - 1 April 2015.

36. A. Smarandache, A. Pascu, **M. Boni**, I. Andrei, J. Handzlik, K. Kiec-Kononowicz, A. Staicu, M.-L. Pascu, Spectroscopic investigations of new hydantoin derivatives and their behavior under laser beam exposure for further biomedical applications, 6th Congress of International PhotoTherapy Association, , Nice, France, 9-10 July 2015.

35. **M. Boni**, A. Staicu, I. R. Andrei, A. Smarandache, V. Nastasa, Z. Saponjic, M.L. Pascu, Studies on

- the laser induced emission of microdroplets containing Rhodamine 6G solutions in water doped with TiO₂ nanoparticles, Smart and green interfaces- Conference , 29-31 October, Sofia, 2015.
34. T. Tozar, M. C. Morán, A. Dinache, A. Smarandache, I. R. Andrei, A. Simon, **M. Boni**, F. Cirisano, M. Ferrari, M. L. Pascu, Spectroscopic and analytical studies of Thioridazine exposed to UV laser radiation and susceptibility of bacteria to the mixture of photo-products assay , 11 th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", Bucuresti, Romania, 1-4 septembrie 2015.
33. Mihail Lucian Pascu, Ionut Relu Andrei, **Mihai Boni**, Viorel Nastasa, Ruxandra Pirvulescu, Interaction of laser beams with single droplets in pendant position, 3rd EOS Conference on Optofluidics (EOSOF 2015)", Munchen, Germania, 21 - 24 iunie 2015.
32. Agota Simon, Tatiana Tozar, **M. Boni**, V. Damian, Victoria Dutschk, M.L. Pascu, Biomedical applications of non-antibiotics exposed to uv laser radiation and their interaction with fabric surfaces, ISRMS, , Bucharest, Romania, 12 - 16 May 2015.
31. A. Simon, T. Alexandru, **M. Boni**, V. Damian, A. Stoicu, V. Dutschk, M.L. Pascu, Phenothiazines exposed to 266 nm laser beam in interaction with fabric surfaces, in view of biomedical applications, 116th Annual Meeting of DGaO, , Brno, Czech Republic, 27 - 29 May 2015.
30. A. Simon, T. Tozar, A. Stoicu, **M. Boni**, V. Damian, M.L. Pascu, Interaction of laser exposed non-antibiotic solutions with target surfaces, in view of biomedical applications: ESA "Spin Your Thesis!" campaign, 11th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", Bucharest, Romania, 1-4 September 2015.
29. M.L. Pascu, R. Pirvulescu, **M. Boni**, I.R. Andrei, Laser beams interaction with droplets in view of biomedical applications, 6th Congress of International PhotoTherapy Association, , Nice, France, 9-10 July 2015.
28. M.L. Pascu, **M. Boni**, I.R. Andrei, Emission of laser/lasing radiation by optically pumped droplets in pendant position, "Advances in optofluidics: Integration of optical control and photonics with microfluidics" COST Action MP1205 Conference and MC meeting, , Porto, Portugal, 7-8 May 2015.
27. M.L. Pascu, T. Alexandru, **M. Boni**, A. Dinache, V. Nastasa, I. Andrei, Laser irradiation interaction with droplets that contain medicines, Smart and green interface- Cost Action MP 1106 and 5th International Conference on "Heat transfer and fluid flow in microscale", Marseille, France, 22-24 April 2014.
26. A. Dinache, **M. Boni**, V. Nastasa, T. Alexandru, A. Stoicu, I. Andrei, E. Radu, M. L. Pascu, Mechanisms and photoproducts involved in foam production starting from Vancomycin solutions exposed to laser radiation, 20th International Symposium on Surfactants in Solution, Coimbra, Portugal, 22-27 June 2014.
25. I. R. Andrei, T. Alexandru, **M. Boni**, A. Dinache, V. Nastasa, M.L. Pascu, Characterization of laser radiation interaction with liquid droplets and bulk that contain solution of chlorpromazine in water, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26.09.2014.
24. A. Simon, T. Alexandru, **M. Boni**, V. Damian, V. Dutschk, M.L. Pascu, Interaction of solutions containing phenothiazines exposed to laser radiation with materials surfaces, in view of biomedical applications, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26.09.2014.
23. A. Dinache, **M. Boni**, A. Staicu, T. Alexandru, E. Radu, V. Nastasa, A. Stoicu, I. Andrei, V. Damian, M. Ferrari, M.L. Pascu, Spectral evidence of Vancomycin's modification under exposure to laser radiation, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26.09.2014.
22. A. Staicu, A. Dinache, T. Alexandru, A. Pascu, A. Smarandache, V. Nastasa, **M. Boni**, A. Simon, F. Sima, M. Enescu, M. L. Pascu Photodynamic studies of some molecules of interest in drug carrier systems, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26.09.2014.
21. **M. Boni**, I.R. Andrei, V. Nastasa, A. Staicu, M.L. Pascu, Study of the dynamic effects at the laser beam - pendant droplet interaction, INDLAS 2014, 19-23 May 2014, Bran, Romania
20. **M. Boni**, I.R. Andrei, A. Staicu, M.L. Pascu, Lasing emission by pending micro-droplets that contain laser dye, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26 September 2014.
19. **M. Boni**, V. Nastasa, I.R. Andrei, A. Staicu, M.L. Pascu, Enhanced fluorescence in pending micro-droplets that contain emulsions, 5th edition of International Student Conference on Photonics (ISCP 2014), Orastie, 23-26 September 2014.
18. M.L. Pascu, Agota Simon, Victoria Dutschk, Tatiana Alexandru, V. Nastasa, **M. Boni**, Andra Dinache, Ruxandra Angela Pirvulescu, Overview on the interaction between medicines exposed to laser radiation and materials of medical interest, Laser Florence, Florenta, Italia 2013.
17. A. Stoicu, E. Radu, V. Nastasa, A. Dinache, T. Alexandru, **M. Boni**, G. Popescu, A. Staicu, M.-L. Pascu, Spectrochemical Study about the Photoreaction Products Obtained by Chlorpromazine Exposure to UV Laser Beam, ISCP, Bran, Romania, 20-24 May 2013.
16. Andrei, I R; Alexandru, T; Dinache, A; **Boni, M**; Nastasa, V ; Simion, S; Ticos, C; Pascu, M L; "Interaction of laser beams with microdroplets containing medicines solutions in water", 2nd EOS Conference on Optofluidics, Munich, Germany, 13-15 May 2013.

15. T. Alexandru, M. L. Pascu, A. Armada, B. Danko, V. Nastasa, **M. Boni**, A. Militaru, I. R. Andrei, A. Staicu, A. Hunyadi, M. Viveiros, L. Amaral, "Activity of irradiated Chlorpromazine with a 266 nm laser beam against efflux pumps system", Exploratory workshop 2012 "Emerging analytical tools to investigate Nitro-Oxidative stress", Bucuresti, Romania, 24-26 iulie 2012.
14. T. Alexandru, M.-L. Pascu, B. Danko, A. A. Martins, N. N. Jedlinski, V. Nastasa, **M. Boni**, A. Militaru, I. R. Andrei, A. Staicu, A. Hunyadi, S. Fanning, L. Amaral, Exposure of chlorpromazine to 266 nm laser beam generates new species with antibacterial properties: the dawn of a new process for drug discovery, ISCP, Sinaia, Romania, 8-11 mai 2012.
13. T. Alexandru, A. Hunyadi, B. Danko, **M. Boni**, A. Militaru, V. Nastasa, I. R. Andrei, M. L. Pascu, L. Amaral, Molecular modifications of 20-hydroxyecdysone by exposure to laser beams, ATOM, Constanta, Romania, 23-26 august 2012.
12. M. L. Pascu, V.V. Nastasa, **M. Boni**, T. Alexandru, A. Smarandache, A. Militaru. Laser methods used to fight the multiple drug resistance (MDR) developed by bacteria. Exploratory Workshop 2012 „Emerging Analytical to Investigate Nitro-oxidative Stress, Bucuresti, Romania, iulie 2012.
11. V. Nastasa, **M. Boni**, I.R.Andrei, M.L. Pascu, "Study of the properties of micro- and nano- droplets by using the interaction with laser radiation", International Student Conference on Photonics, Sinaia, May 2012."
10. M.L. Pascu, A. Militaru, M. Boni, T. Alexandru, V. Nastasa, I.R. Andrei. "Laser Methods Used to Fight Multiple Drug Resistance to Treatment". Laser Florence 2012, Florenta, Italia, 9-10 noiembrie 2012
9. **M. Boni**, V. Nastasa, A. Pascu, Angela Staicu, M. L. Pascu, "Measurements of Raman Spectra induce by laser beams on droplets", International Student Conference on Photonics, Sinaia, May 2012.
8. **M. Boni**, V. Nastasa, A. Staicu, I.R. Andrei, M.-L. Pascu, "Lasing effects on optically pumped micro-droplets", Seventeenth International School on Quantum Electronics: Laser Physics and Applications (ISQE'12), Nessebar, Bulgaria, 24 – 28, September, 2012.
7. A. Militaru (Dinache), M. Martins, M. P. McCusker, T. Alexandru, V. Nastasa, **M. Boni**, S. Fanning, M. L. Pascu, "Laser modified medicines: new alternatives in fighting MDR bacteria", International Conference on Antimicrobial Research - ICAR2012, Lisabona, Portugalia, noiembrie 2012.
6. M.L. Pascu, V. Nastasa, **M. Boni**, G.V. Popescu, I.R. Andrei, Studies on the interaction of laser beams with pendant droplets, EOSAM 2012, Aberdeen, Scotland, UK, 25-28 sept. 2012.
5. Angela Staicu, M. Enescu, A. Pascu, S. Foley, **M. Boni**, M.L. Pascu, „Photophysical studies on amino acids and proteins oxidation", International Student Workshop on Laser Applications, Bran, Mai 31-Iunie 4, 2011.
4. Laser Radiation Interaction with Fluorophores In Micro-/Nano-Droplets Of Solutions, M. L. Pascu, I. R. Andrei, V. Nastasa, **M. Boni**, G. V. Popescu, LASER FLORENCE 2100, Florence, 3-6 november 2011.
3. Pascu M.L.; Nastasa V.; Smarandache A.; Militaru A.; Martins A.; Viveiros M.; **Boni M.**; Andrei I.; Pascu A.; Staicu A.; Molnar J.; Fanning S.; Amaral L., Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation, Recent Patents on Anti-Infective Drug Discovery, Volume 6, Number 2, pp. 147-157(11), May 2011.
2. Laser Radiation Interaction With Fluorophores In Micro-/Nano-Droplets Of Solutions, M. L. Pascu, I. R. Andrei, V. Nastasa, **M. Boni**, G. V. Popescu, Lasers Med Sci 26 , Suppl 1: S16, 2011.
1. Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation V. Nastasa, **M. Boni**, I.R. Andrei, C.M. Ticos, M.L. Pascu SPIE Optics and Photonics conference, august 2011.

POSTERE

27. Smarandache A.; Pascu; **M. Boni**; I. Andrei; J. Handzlik; K. Kiec-Kononowicz; A. Staicu; M.-L. Pascu; "Spectroscopic investigations of novel pharmaceuticals: stability and laser beam resonant interaction"; ICPEPA10, , Brasov, Romania; P46, 29.08. - 02.09.2016
26. Andrei I.R.; **M. Boni**; A. Staicu; M.L. Pascu; Fluorescence emission structure of a side-pumped Rh6G dye-doped micro-droplet"; ICPEPA10, , Brasov, Romania; P70, 29.08 - 02.09.2016
25. Nastasa V.; **M. Boni**; I.R. Andrei; A. Staicu; M.L. Pascu; ENHANCED FLUORESCENCE EMISSION OF PENDANT MICRO-DROPLETS CONTAINING EMULSIONS, Bubble and Drop 2015, Potsdam, Germany, 06-10 July 2015.
24. V. Nastasa, **M. Boni**, A. Smarandache, T. Alexandru, A. Staicu, I.R. Andrei, A. Dinache, Z. Saponjic, M.L. Pascu, Laser photocatalytic effect of TiO2 nanoparticles for water pollutants removal, Smart and green interfaces- Conference 2015, Belgrade, Serbia , March 2015.
23. I.R. Andrei , **M. Boni**, A. Staicu, M.L. Pascu, Lasing emission by side-pumped dye-doped droplets in pendant positions: modal structure, International Conference on Optics "Micro- to Nano-Photonics

IV - ROMOPTO 2015, Bucharest, Romania, September 1 - 4, 2015.

22. **M. Boni**, V. Nastasa, I.R. Andrei, Angela Staicu, M.L. Pascu, Comparison of lasing emission of pendant droplets containing dye solutions and emulsions, International Conference on Optics "Micro to Nano-Photonics IV - ROMOPTO 2015, Bucharest, Romania, September 1 - 4, 2015.
21. **Boni M.**; I.R. Andrei; V. Nastasa; Angela Staicu; M.L. Pascu; Lasing Emission by Side-pumped Emulsion Droplets in Pendant Positions. PIERS Prague, July, 2015.
20. Tozar T.; A. Dinache; V. Nastasa; **M. Boni**; Á. Simon; M.L.Pascu; Antimicrobial activity of UV photogenerated non-antibiotic drug in fighting multidrug resistance bacteria, "New frontiers in regenerative medicine and surgery. Interdisciplinarity, research and clinical applications" Congress, Bucuresti, Romania, 12, 15- 16 May 2015.
19. Smarandache, A., **M. Boni**, V. Nastasa, I. R. Andrei, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, M.L. Pascu; Laser beam resonant interaction of new hydantoin derivatives droplets for biomedical applications; B&D 2015, Potsdam, Germany, 06-10 July 2015.
18. A. Smarandache, V. Nastasa, **M. Boni**, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, M.L. Pascu; Light exposure influence on the wetting properties of new imidazolidine derivatives solutions; 5th International Colloids Conference 2015 "Colloid and Interface Sciences for a Brighter Future", Amsterdam, Olanda, 21-24 June 2015.
17. I.R. Andrei, T. Alexandru, **M. Boni**, A. Dinache, V. Nastasa, M.L. Pascu, Resonant effects on medicine solutions irradiated at two different UV laser beams: droplets and bulk experiments, INDLAS 2014, Bran, Romania, 19-23 May 2014.
16. A. Dinache, **M. Boni**, I. Andrei, T. Alexandru, V. Nastasa, M. L. Pascu, Spectroscopic evidence of antibiotic solutions modifications at interaction with laser radiation, INDLAS 2014, Bran, Romania, 19-23 May 2014.
15. A. Simon, T. Alexandru, **M. Boni**, V. Damian, V. Dutschk, M.L. Pascu, Phenothiazines solutions exposed to laser radiation in interaction with special surfaces, in view of biomedical applications, INDLAS 2014, Bran, Romania, 19-23 May 2014.
14. V. Nastasa, **M. Boni**, T. Alexandru, A. Stoicu, A. Simon, A. Dinache, A. Smarandache, I. R. Andrei, A. Staicu, M. L. Pascu, Contributions to medical applications of lasers, 2014 Biophotonics Summer School, University of Illinois at Urbana-Champaign, Urbana, USA, 19 – 30 May 2014.
13. T. Alexandru, A. Armada, V. Nastasa, **M. Boni**, A. Dinache, L. Amaral, M. L. Pascu, Antimicrobial activity of irradiated CPZ against Gram-Negative and Gram-Positive bacteria, International Student Conference on Photonics (ISCP 2014), Orastie, Romania, 23-26.09.2014.
12. **M. Boni**, A. Dinache, V. Nastasa, I. R. Andrei, A. Staicu, M. L. Pascu, Enhance fluorescence in micro droplets containing emulsions, 20th International Symposium on Surfactants in Solution, Coimbra, Portugal, 22-27 June 2014
11. **M. Boni**, A. Dinache, V. Nastasa, M. L. Pascu, Optical studies of Vancomycin modification during foam generation at interaction with laser beams, COST Actions MP1106 and CM1101 Joint Training School Particles at Liquid Interfaces: Fundamentals and Applications, Bonassola (Italy), 2nd – 5th April 2014.
10. **M. Boni**, I.R. Andrei; V. Nastasa, M.L. Pascu, Interaction of laser beams with pendant droplets containing laser dyes, Smart and Green Interfaces Conference, Marseille, France, 22-24 April, 2014.
9. **Boni M.**; Nastasa V.; Andrei I.R., Dinache A.; Pascu M.-L.; "Measurements of the volume stability of the pendant droplets which contain different solutions", 1st International Workshop on Wetting and evaporation droplets of pure and complex fluids, Marseilles (France), June 17-20th, 2013
8. T. Alexandru, M. L. Pascu, B. Danko, V. Nastasa, **M. Boni**, A. Militaru, I. R. Andrei, A. Staicu, A. Hunyadi, A. Armada, M. Viveiros, L. Amaral, "Generation and biological evaluation of the products formed from the exposure of Chlorpromazine to a 266 nm laser beam", Intl. Conference "Micro to Nano-Photonics III ROMOPTO 2012", Bucuresti, Romania, 3-6 septembrie 2012
7. A. Staicu, A. Pascu, **M. Boni**, T. Alexandru, M. Enescu, M.L. Pascu. "Spectroscopical studies of zinc phthalocyanine in binary solvent mixtures". International Conference on Optics "Micro- to Nano-Photonics III- ROMOPTO 2012", Bucharest, Romania, septembrie 2012.
6. V. Nastasa, **M. Boni**, I. R. Andrei, M. L. Pascu, "Laser induced modifications on drugs and their use as transport vectors to biological targets", Micro- to Nano-Photonics III, ROMOPTO 2012, 10th International Conference on Optics, Bucharest, 3-6 September 2012
5. **M. Boni**, V. Nastasa, I. R. Andrei, Angela Staicu, M. L. Pascu, "Lasing effects in micro droplets", Micro- to Nano-Photonics III, ROMOPTO 2012, 10th International Conference on Optics, Bucharest, 3-6 September 2012.
4. **M. Boni**, V. Nastasa, I.R. Andrei, Angela Staicu, M. L. Pascu, "Laser beams interaction on droplets", International Student Conference on Photonics, Sinaia, May 2012
3. **M. Boni**, V. Nastasa, A. Staicu, I.R. Andrei, M.-L. Pascu, "Lasing effects on optically pumped micro-droplets", Seventeenth International School on Quantum Electronics: Laser Physics and Applications (ISQE'12), Nessebar, Bulgaria, 24 – 28, September, 2012"
2. **M. Boni**, V. Nastasa, I.R. Andrei, C. Lungu, M.L. Pascu, "Calorimetric measurements on micro-droplets", Central and Eastern European Conference on Thermal Analysis and Calorimetry, 7-10 Septembrie 2011, Craiova, Romania, 7-10 Septembrie 2011

1. V. Nastasa, **M. Boni**, I.R. Andrei, C.M. Ticos, M.L. Pascu, Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation, SPIE Optics and Photonics conference, august 2011

LISTA PREZENTĂRILOR ORALE LA CONFERINȚE NAȚIONALE

5. **Boni M.**, I.R. Andrei, A. Staicu, M.-L. Pascu, Temporal resolved fluorescence emission by laser pumped microliter droplets in air, Annual Scientific Conference University of Bucharest, Faculty of Physics 2017 Meeting, Măgurele, Romania, 23-24 Iunie 2017.

4. A. Simon, **M. Boni**, T. Tozar, M. Ferrari, M.-L. Pascu, Foam generation and behaviour of unexposed and laser exposed medicine solutions in view of biomedical applications, Annual Scientific Conference University of Bucharest, Faculty of Physics 2017 Meeting, Măgurele, Romania, 23-24 Iunie 2017.

3. **Boni, M.**; Andrei, IR; Staicu, A; Pascu, ML; "Time deconvolution of lasing emission of microvolumetric droplets pumped by laser beams", Annual Scientific Conference University of Bucharest, Faculty of Physics 2016 Meeting, Măgurele, Romania, 17 Iunie 2016

2. **M. Boni**, V. Nastasa, I.R. Andrei, A. Staicu, M.L. Pascu, Comparison between emission spectra of pendant droplets containing dye solutions and emulsions, Annual Scientific Conference of Faculty of Physics, Magurele, Romania, 19 iunie 2015

1. **M. Boni**, I.R. Andrei, A. Staicu, M.L. Pascu, Tunable lasers with pendant micro-droplets active media, The 2014 Scientific Communications Session of Physics Faculty, University of Bucharest, Bucharest, Romania, 20 iunie 2014.

Link Google Scholar/Academic profile link: https://scholar.google.ro/citations?user=DP_oRZgAAAAJ&hl=ro
ResearchGate profile link: https://www.researchgate.net/profile/Mihai_Boni
ORCID identifier: 0000-0003-3010-3003
LinkedIn profile link: <https://www.linkedin.com/in/mihai-boni-61b161b7/>

Membru în organizații naționale și internaționale

4. SPIE, din 2009 până în prezent
3. The Optical Society (OSA), din 2015 până în prezent
2. European Network COST MP1106 "Smart and green interfaces - from single bubbles and drops to industrial, environmental and biomedical applications"
1. Romanian Society for Lasers in Medicine and Biology