

**Comunicări la conferințe naționale și internaționale****Conferințe invitate**

1. *Noble-metal nanostructures fabricated via nanosphere lithography and selfassembling* 2004 Nanophotonics International School, Institut d'Optique, Paris, France
2. *Noble-metal nanostructures for controlling photons and sensing molecules*, Conferinta Invitata, 3<sup>rd</sup> Conference on the Elementary Processes in Atomic Systems, 31 Aug. - 2 Sept. 2005 University of Miskolc, Hungary (<http://www.uni-miskolc.hu/cepas2005/>)
3. *Nanosphere Lithography and Self-Assembling – Two Versatile Routes for Fabrication of NobleMetal Nanostructures*, conferință invitată la Workshop International Computational Materials Science and Nanostructures, Technische Universitat Vienna, October 5-7, 2005
4. *Noble-Metal Nanoparticles: Fabrication, Optical Properties, and Applications toward Biology and Nanotechnology*, conferință invitată la 3rd International Workshop on Amorphous and Nanocomposite Magnetic Materials (ANMM'2005) Iași, September 19 – 21, 2005. (<http://www.phys-iasi.ro/anmm2005/invited%20talks.htm>)
5. *Designing Plasmonic Nanostructures as Multifunctional Optical Sensors for Molecular Detection*, Conferinta Invitata, NanoBiotechnology: Bio-interfaces International Workshop 5-7 December 2007 EC Joint Research Centre, Ispra, Italy,
6. *Plasmonic nanostructures for molecular sensing with surface-enhanced vibrational spectroscopy*, Conferinta Invitata, The IX<sup>th</sup> ICFPAM (International Conferences on Frontiers of Polymers and Advanced Materials, Cracow, Poland, 8-12 July. 2007 (<http://www.9icfpam.pk.edu.pl/Speakers.htm>)
7. *Plasmonic Nanostructures Characterization by Combining Confocal Surface-Enhanced Raman Scattering and Atomic Force Microscopy*, Conferinta Invitata Introduction to Confocal Raman Microscopy 7- 8 October 2008 Ulm, Germany ( <http://www.witec.de/en/eventsseminars/files/FlyerRamanIntro08.pdf>)
8. *Plasmonics – a new paradigm of photonics for guiding light and enabling novel biomedical applications at nanoscale*, IInd EURYIAS 2008 International symposium on Self-Organization and Selection in Evolution of Matter, Molecules and Life April 29-May 3, 2008, București (<http://www.biodyn.ro/robios/progEURYIAS2008.pdf> )
9. *New approach to develop multifunctional plasmonic nanosensors for bioanalytical applications* 2010 European Conference on Molecular Spectroscopy (EUCMOS- 2010), 29 August – 3 September 2010, Florence, Italy
10. *Multifunctional plasmonic nanostructures for applications in biophotonics*, 2010 FrenchRomanian Topical Meeting on Nano and Biomaterials, Second International

Workshop on Advanced, Nano- and Biomaterials and Their Applications, 5-19 September 2010, Sibiu

11. *Multifunctional Plasmonic Nanostructures: From Fabrication to Applications* 2010 CNCSIS: Conferința „Diaspora în Cercetarea Științifică și Învățământul Superior din București“, 21-24 Septembrie 2010 (Institutul Național pentru Fizica Materialelor)
12. *Multifunctional Plasmonic Nanosensors for Bioanalytical Applications* 2010 CNCSIS: Conferința Conferința „Diaspora în Cercetarea Științifică și Învățământul Superior din România“, București, 21-24 Septembrie 2010 (Centrul Internațional de Biodinamică)
13. *Surface Plasmon Resonances for Sensing, Imaging and Spectroscopy in Biology and Biomedicine* 2011 2nd GIST-European Universities International Workshop „Babeș-Bolyai“ University, Cluj-Napoca, 15-18 June 2011
14. *Fabrication of plasmonic nanostructures with multiple bio-functionalities from sensing to imaging and therapy*, Journées Internationales de Plasmonique Moleculaire, Illes de Porquerolles, 1-3 Octobre 2012, Porquerolles, France.
15. *Rezultate de imagistica și spectroscopie celulară combinate cu hipertermie celulară indusă prin excitare plasmonică* 2012 CNCSIS: Conferința „Diaspora în Cercetarea Științifică și Învățământul Superior din România“, București, 25-28 Septembrie 2012 (Centrul Internațional de Biodinamică)
16. *Nanoparticule plasmonice cu aplicații biomedicale* 2012 CNCSIS: Conferința „Diaspora în Cercetarea Științifică și Învățământul Superior din București“, București, 25-28 Septembrie 2012 (Institutul Național pentru Fizica Materialelor)
17. *From single-molecule spectroscopy to cancer therapy with multifunctional plasmonic nanoparticles*, “*Functionalized Surfaces and Nanobiocomposites*” COST Action CM1101, 26-28 May 2013, Szeged, Hungary.
18. *Plasmonic Nanoparticles Performing as Multifunctional Platforms in Sensing, Imaging and Therapeutic Applications*, 9Th Nanoscience and Nanotechnology Conference, Atatürk University, June 24-28, 2013, Erzurum, Turkey
19. *Plasmonic platforms for multimodal enhanced spectroscopies and combining of sensing with imaging and therapy*, Surface-Enhanced Spectroscopies, 7-10 August 2014, Technical University of Chemnitz, Germany.
20. *Multifunctional Plasmonic Nanostructures: Controlling Fabrication and Implementing Relevant Applications in Sensing, Imaging, and Therapy*, the XXIV. International Conference on Raman Spectroscopy (ICORS), 10-15 August 2014, Jena, Germany.
21. *Multifunctional Plasmonic Nanoparticles: From Fabrication to Relevant Applications in Sensing, Imaging, and Therapy* 2014 The 5th GIST- European Universities Joint Workshop, „Babeș-Bolyai“ University, Cluj-Napoca 17-18 June 2014

22. *Plasmonic-Based Nanoparticles to Provide Multiple Functionalities from Molecular Sensing, Imaging Diagnosis, and Cancer Therapy* 2015 Academia Română și INCD-Microtehnologie IMT București
23. *Plasmonic nanoplatforms with multiple functionalities: from biosensing to cell imaging and therapy*, Amorphous and Nanostructured Magnetic Materials – ANMM 2015 Iași, 21-24 September 2015 ([http://ww3.phys-iasi.ro/Invited\\_Speakers2015.htm](http://ww3.phys-iasi.ro/Invited_Speakers2015.htm))
24. *Surface plasmon resonant nanoparticles: from controlled fabrication to interesting optical properties and recent applications in nanomedicine*, The 9th International Conference on Advanced Materials, ROCAM 2017, 11-14 July 2017, University of Bucharest.
25. *Designing multifunctional plasmonic nanoplatforms for applications in nanomedicine*, The Fifth Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC-ANMBES 2018" 23rd-25th May 2018, Brașov.
26. *Plasmonic nanoparticles in nanomedicine*, 3rd International Workshop on Materials Physics, 29-30 May 2018, Bucharest.
27. *Designing Versatile Plasmonic-Based Nanoplatforms for Applications in Nanomedicine*, 5th International Workshop on Nano- and Biophotonics IWNBP, 22-27 September 2019, Saint Nectaire, France.
28. *Plasmonic nanoplatforms: from sensing to cell imaging and multimodal light-activated therapy*, International Symposium : BioDynamics – A transdisciplinary approach, Centrul Internațional de Biodinamică, 19-21 Mai, București.
29. *Versatile Plasmonic and Fluorescence-Based Nanoprobes for Optical Bioimaging and LightActivated Therapy*, 14<sup>th</sup> International Conference on Physics of Advanced Materials, 8-15 September, 2022, Dubrovnik, Croația.
30. *Plasmonic-based optical nanoprobes for light-activatbed therapy and bioimaging*, Smart Diaspora 2023, 1-13 Aprilie, Timișoara.