

List of publications and book chapters

Articles in ISI Journals

* Green background – Articles published as First Author

<u>Nr.</u>	<u>Title</u>	<u>Authors</u>	<u>Journal</u>	<u>Year</u>	<u>IF</u>	<u>AIS</u>	<u>DOI</u>	<u>Category Quartile</u>
1.	<i>Portable Microfluidic Plasmonic Chip for Fast Real-Time Cardiac Troponin I Biomarker Localized Surface Plasmon Resonance Detection</i>	A. Campu , I. Muresan, M. Potara, D. R. Lazar, F. L. Lazar, S. Cainap, D. M. Olinic, D. Maniu, S. Astilean, M. Focsan	Journal of Materials Chemistry B	2024	7	0.955	10.1039/D3TB02190D	<i>Q1</i>
2.	<i>Innovative, Flexible and Miniaturized Microfluidic Paper-based Plasmonic Chip for Efficient Near-Infrared Metal Enhanced Fluorescence Biosensing and Imaging</i>	A. Campu , I. Muresan, A. M. Craciun, A. Vulpoi, S. Astilean, M. Focsan	ACS Applied Materials & Interfaces	2023	9.5	1.660	10.1021/acsam.i.3c08658	<i>Q1</i>
3.	<i>No country for old antibiotics! Antimicrobial peptides (AMPs) as next-generation treatment for skin and soft tissue infection</i>	M. Raileanu, R. Borlan, A. Campu , L. Janosi, I. Turcu, M. Focsan, M. Bacalum	International Journal of Pharmaceutics	2023	5.8	0.715	10.1016/j.ijpharm.2023.123169	<i>Q1</i>
4.	<i>NIR photothermal-activable drug-conjugated microcapsules for in vitro targeted delivery and release: an alternative treatment of diabetic retinopathy</i>	D. Stoia, M. Nistor, M. Suci, R. Borlan, A. Campu , D. Rugina, D. Maniu, S. Astilean, M. Focsan	International Journal of Pharmaceutics	2023	5.8	0.715	10.1016/j.ijpharm.2023.122700	<i>Q1</i>
5.	<i>Assessing the Efficiency of Triangular Gold Nanoparticles as NIR Photothermal Agents In Vitro and Melanoma Tumor Model</i>	S. Suarasan, A. Campu , A. Vulpoi, M. Banciu, S. Astilean	International Journal of Molecular Sciences	2022	5.6	1.028	10.3390/ijms232213724	<i>Q1</i>
6.	<i>Hybrid Polymeric Therapeutic Microcarriers for Thermoplasmonic-Triggered Release of Resveratrol</i>	D. Stoia, R. Pop, A. Campu , M. Nistor, S. Astilean, A. Pintea, M. Suci, D. Rugina, M. Focsan	Colloids and Surfaces B: Biointerfaces	2022	5.8	0.693	10.1016/j.colsurfb.2022.112915	<i>Q1</i>

7.	<i>Cardiac Troponin Biosensor Designs: Current Developments and Remaining Challenges</i>	A. Campu, I. Muresan, A. M. Craciun, S. Cainap, S. Astilean, M. Focsan	International Journal of Molecular Sciences	2022	5.6	1.028	10.3390/ijms23147728	Q1
8.	<i>Fluorescent phthalocyanine-encapsulated bovine serum albumin nanoparticles: their deployment as therapeutic agents in the NIR region</i>	R. Borlan, D. Stoia, L. Gaina, A. Campu, G. Marc, M. Perde-Schrepler, M. Sillion, D. Maniu, M. Focsan, S. Astilean	Molecules	2021	4.927	0.671	10.3390/molecules26154679	Q2
9.	<i>Ultrasensitive SEIRA Detection using Gold Nanobipyramids: toward Efficient Multimodal Immunosensor</i>	A. Campu, F. Lerouge, D. Maniu, K. Magyari, M. Focsan	Journal of Molecular Structure	2021	3.841	0.315	10.1016/j.molstruc.2021.131160	Q3
10.	<i>Antibody Functionalized Theranostic Protein Nanoparticles for Synergistic Deep Red Fluorescence Imaging and Multimodal Therapy of Ovarian Cancer</i>	R. Borlan, M. Focsan, M. Perde-Schrepler, O. Soritau, A. Campu, L. Gaina, E. Pall, B. Pop, O. Baldasici, C. Gherman, D. Stoia, D. Maniu, S. Astilean	Biomaterials Science	2021	7.59	1.079	10.1039/D1BM01002F	Q1
11.	<i>Versatile Polypeptide-Functionalized Plasmonic Paper as Synergistic Biocompatible and Antimicrobial Nanoplatfrom</i>	L. Tie, M. Răileanu, M. Bacalum, I. Codita, S. M. Negrea, C. S. Caracoti, E.-C. Drăgulescu, A. Campu, S. Astilean, M. Focsan	Molecules	2020	4.411	0.694	10.3390/molecules25143182	Q2
12.	<i>ICG-loaded gold bipyramids with NIR activatable dual PTT-PDT therapeutic potential in melanoma cells</i>	A. Campu, M. Focsan, F. Lerouge, R. Borlan, L. Tie, D. O. Rugina, S. Astilean	Colloids and Surfaces B: Biointerfaces	2020	5.268	0.711	10.1016/j.colsurfb.2020.111213	Q1
13.	<i>Calligraphed Selective Plasmonic Array on Paper Platform for Complementary Dual Optical "ON/OFF Switch" Sensing</i>	L. Susu, A. Campu, S. Astilean, M. Focsan	Nanomaterials	2020	5.076	0.759	10.3390/nano10061025	Q1
14.	<i>Microfluidic Platform for Integrated Plasmonic Dual Detection</i>	A. Campu, F. Lerouge, A. M. Craciun, T. Murariu, I. Turcu, S. Astilean, M. Focsan	Nanotechnology	2020	3.874	0.680	10.1088/1361-6528/ab8e72	Q2
15.	<i>Controlling the End-To-End Assembly of Gold Nanorods to Enhance the Plasmonic Response in Near Infrared</i>	L. Tie, M. Focsan, J. Bosson, C. Tira, A. Campu, A. Vulpoi, S. Astilean	Materials Research Express	2019	1.929	0.229	10.1088/2053-1591/ab2eb0	Q4

16.	<i>Assessment of the Photothermal Conversion Efficiencies of Tunable Gold Bipyramids under Irradiation by Two Laser Lines in NIR Biological Window</i>	A. Campu , A. M. Craciun, M. Focsan, S. Astilean	Nanotechnology	2019	3.551	0.706	10.1088/1361-6528/ab2d90	<i>Q2</i>
17.	<i>Multimodal Biosensing on Paper-Based Platform Fabricated by Plasmonic Calligraphy Using Gold Nanobipyramids Ink</i>	A. Campu , L. Susu, F. Orzan, D. Maniu, A.M. Craciun, A. Vulpoi, L. Roiban, M. Focsan, S. Astilean	Frontiers in Chemistry	2019	3.693	0.869	10.3389/fchem.2019.00055	<i>Q2</i>
18.	<i>Designing Efficient Low-Cost Paper-Based Sensing Plasmonic Nanoplatfoms</i>	L. Susu*, A. Campu* , A.M. Craciun, A. Vulpoi, S. Astilean, M. Focsan	Sensors	2018	3.031	0.517	10.3390/s18093035	<i>Q2</i>
19.	<i>Gold NanoBipyramids Performing as Highly Sensitive Dual-Modal Optical Immunosensors</i>	A. Campu , F. Lerouge, D. Chateau, F. Chaput, P. Baldeck, S. Parola, D. Maniu, A.M. Craciun, A. Vulpoi, S. Simion, M. Focsan	Analytical Chemistry	2018	6.35	1.348	10.1021/acs.analchem.8b01689	<i>Q1</i>
20.	<i>A simple and efficient design to improve the detection of biotin-streptavidin interaction with plasmonic nanobiosensors</i>	M. Focsan, A. Campu , C. Leordean, M. Potara, A. Gabudean, D. Maniu, S. Astilean	Biosensors and Bioelectronics	2016	7.78	1.178	10.1016/j.bios.2016.07.054	<i>Q1, Top 1</i>

Articles in NON-ISI Journals

<u>Nr.</u>	<u>Title</u>	<u>Authors</u>	<u>Journal</u>	<u>Year</u>	<u>IF</u>	<u>AIS</u>	<u>DOI</u>	<u>Category Quartile</u>
1.	<i>Engineered Paper Platform loaded with Gold Nanospheres to improve SERS Performance for Analyte Detection</i>	F. Orzan, A. Campu , S. Suarasan, S. Astilean, M. Focsan	Studia UBB Physica	2018	-	-	10.24193/subbphys.2018.15	-

Book Chapters

** Green background – Articles published as First Author*

<u>Nr.</u>	<u>Title</u>	<u>Authors</u>	<u>Publisher</u>	<u>Year</u>	<u>ISBN</u>	<u>DOI</u>
1.	<i>Chapter 8. Advanced nanostructures for microbial contaminants detection by means of spectroscopic methods</i>	M. Potara*, A. Campu* , D. Maniu*, M. Focsan*, I. Botiz*, S. Astilean*	Elsevier	2020	978-0-12-815882-1	10.1016/B978-0-12-815882-1.00008-2

Resulting scientific visibility:

Hirsch Index: 9 (Scholar)\ 9 (WoS)\ 8 (Scopus)

Citations: 276 (Scholar)\ 230 (WoS)\ 238 (Scopus)

Cumulated Impact Factor: 106

Cumulated Article Influence Score: 17

Date
27.03.2024

PhD Andreea-Maria CÂMPU



List of patent applications

* Red background – Granted Patents

<u>Nr.</u>	<u>Title</u>	<u>Authors</u>	<u>Publisher</u>	<u>Number</u>	<u>Status</u>	<u>Year</u>
1.	<i>Miniaturized electrochemical sensor based on integrated gold electrodes on a flexible support (ro. “Senzor electrochimic miniaturizat cu electrozi de aur integrați pe suport flexibil”)</i>	M. Moruz, A. Campu , S. Astilean, M. Focsan	National O.S.I.M. Patent	RO A100091	Submitted application	2024
2.	<i>Metallized micro-rough flexible polydimethylsiloxane substrate for dual SPR-SERS detection (ro. “Substrat flexibil micro-rugos de polidimetilsiloxan metalizat pentru detecție duală SPR-SERS”)</i>	A. Campu , M. Moruz, M.Potara, S. Astilean, M. Focsan	National O.S.I.M. Patent	RO 137390 A0	Submitted application	2022
3.	<i>Efficient plasmonic nanosensor based on gold nanopyramids for the multimodal detection of cardiac troponin I (ro. “Nanosenzor plasmonic eficient pe bază de nanobipiramide de aur pentru detecția multimodală a biomarker-ului cardiac troponină I”)</i>	A. Campu , I. Muresan, M.Potara, S. Astilean, S. Cainap, M. Focsan	National O.S.I.M. Patent	RO 136059 A0	Submitted application	2022
4.	<i>Microfluidic plasmonic detection device developed through the integration of calligraphed plasmonic paper into polydimethylsiloxane (ro. “Dispozitiv microfluidic de detecție fabricat prin integrare de hârtie plasmonică caligrafiată în polidimetilsiloxan”)</i>	M. Focsan, A. Campu , A. M. Craciun, S. Astilean	National O.S.I.M. Patent	RO 135233 A0	Granted	2023
5.	<i>Microfluidic device based on gold bipyramidal nanoparticles (ro. “Dispozitiv microfluidic plasmonic pe bază de nanoparticule bipyramidice de aur”)</i>	M. Focsan, A. Campu , S. Astilean, T. Murariu, I. Turcu	National O.S.I.M. Patent	RO 133447 B1	Granted	2021

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List of research projects

* Green background – Grants awarded by competition as Project Leader

Nr.	Project Title	Project Type – Funding Agency	Project Leader	Position	Period
1.	Hybrid plasmonic sensor empowered by artificial neural network for the non-invasive detection of cortisol in simulated biological fluids (SensStress)	AOȘR-TEAMS-III “Digital Transformation in Science” – Academy of Romanian Scientists	Assist. Univ. PhD A. Campu	Project Leader	April 2024 – December 2025
2.	Surface Analysis of Hybrid Plasmonic Sensor for Enhanced Surface Plasmon Resonance Detection (SPRSens)	Open Access to JRC Research Infrastructures Project – European Commission’s Joint Research Centre (Call ID 2022-1-RD-Nanobiotech)	PhD. A. Campu	Project Leader	August 2023 – July 2024
3.	Plasmonic Nanoplatfoms: Efficient Heat Generators for Thermoplasmonic Detection (ThermoPlasDet)	UBB Starting Research Grant – Babes-Bolyai University	PhD. A. Campu	Project Leader	July 2023 – June 2024
4.	Flexible Plasmonic PDMS-based Sensor for SPR Detection Empowered by SERS Molecular Identification of the Formalin Contaminant	STAR-UBB Postdoctoral Advanced Fellowship – Babes-Bolyai University	PhD. A. Campu	Experienced Researcher	Mar – June 2023
5.	Ready-to-use flexible wound dressing with synergistic photothermal and antimicrobial capabilities (SmartWoundPatch), project number PN-III-P2-2.1-PED-2021-3342	Demonstration Experimental Project (PED) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Research Assistant/ Postdoctoral Researcher	2022 – 2024
6.	Flexible Plasmonic Chip for Non-Invasive Real-Time Glucose Monitoring (Chip4GluDet), project number PN-III-P1-1.1-PD-2021-0175	Post-Doctoral Research Project (PD) – UEFISCDI Romania	PhD. A. Campu	Project Leader – Postdoctoral Researcher	2022 – 2024
7.	Portable Plasmonic Nanochip for Fast-On-Site Cardiac Troponin Biomarker Quantitative Diagnostic Test (NanoFastDiag), project number PN-III-P2-2.1-PED-2019-3345	Demonstration Experimental Project (PED) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Research Assistant/ PhD Student and Postdoctoral Researcher	2020 – 2022

8.	<i>Theranostic microplatforms for multimodal therapy of human ocular pathologies, a new paradigm in biomedical applications (MicroPlatThera)</i> , project number PN-III-P2-2.1-PED-2019-4558	Demonstration Experimental Project (PED) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Research Assistant/ PhD Student and Postdoctoral Researcher	2020 – 2022
9.	<i>“Flexible PDMS-integrated Plasmonic Paper as Versatile Nanochip for Metal Enhanced Fluorescence Biosensing (Chip4MEF)</i> , project number PN-III-P1-1.1-TE-2019-1959	Research projects to stimulate young independent teams (TE) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Research Assistant/ PhD Student and Postdoctoral Researcher	2020 – 2022
10.	<i>New Targeted Optical Imaging NanoProbes for Near-Infrared (NIR) Real-Time (RT) Image-Guided Surgery of Ovarian Cancer (NanoNIRSurgery)</i> , project number PN-III-P4-ID-PCCF-2016-0142	Complex Frontier Research Projects (PCCF) – UEFISCDI Romania	Prof. PhD. S. Astilean	Key Member – Research Assistant/ PhD Student and Postdoctoral Researcher	2018 – 2022
11.	<i>Emerging molecular technologies based on micro and nano-structured systems with biomedical applications (TehnoBioMed)</i> , project number PN-III-P1-1.2-PCCDI-2017-0010	Complex projects carried out in RDI consortia (PCCDI) – UEFISCDI Romania	Prof. PhD. S. Astilean	Key Member – Research Assistant/ PhD Student	2018 – 2020
12.	<i>Designing new, flexible and low-cost paper-based sensing nanoplatfoms through plasmonic calligraphy for performing multiplexed ultrasensitive detection of cancer biomarkers (NanoDet4ALL)</i> , project number PN-III-P1-1.1-TE-2016-2095	Research projects to stimulate young independent teams (TE) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Research Assistant/ PhD Student	2018 – 2020

13.	<i>The development of nanoplatfoms with enhanced therapeutic potential by the synergistic integration of multiple anticancer nanotherapies which are optically activated in the near-infrared region (NIR) (NanoSynTher), project number PN-III-P4-ID-PCE-2016-0837</i>	Exploratory Research Projects (PCE) – UEFISCDI Romania	Prof. PhD. S. Astilean	Key Member – Research Assistant/ PhD Student	2017 – 2019
14.	<i>Development of highly sensitive and specific nanobiosensors based on vibrational spectroscopic methods for the in vitro detection of proteins used in diagnostic (NanoBioSensor), project number PN-III-CEI-BIM-PM-2016-2018</i>	Bilateral Research Project “Constantin Brancusi”– UEFISCDI Romania	Prof. PhD. S. Astilean	Key Member – Research Assistant/ PhD Student	2017 – 2018
15.	Project number PN-III-P1-1.1-MC-2017-3573	Mobility projects for researchers (MC) – UEFISCDI Romania	A. Campu	Project Leader – Doctoral Student	2017
16.	<i>FRET process modulation in core-shell plasmonic nanoparticles in order to obtain efficient light sources, project number PN-II-RU-TE-2014-4-2102</i>	Research projects to stimulate young independent teams (TE) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Technician – Research Assistant/ Master – PhD Student	2016 – 2018
17.	<i>Microfluidic-plasmonic biosensor for the detection in real time of relevant biomarkers (NanoFlu), project number PN-II-PT-PCCA-2013-4-1961</i>	Collaborative Project for Applicative Research (PCCA) – UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Technician – Research Assistant/ Master – PhD Student	2016 – 2018
18.	<i>Microfluidic platform for integrated plasmonic detection (2PlaMiDet), project number PN-II-CT-RO-FR-2014-2-0049</i>	Bilateral Research Project “Constantin Brancusi”– UEFISCDI Romania	CS I. Habil. PhD. M. Focsan	Key Member – Technician/ Master Student	2015 – 2016

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List of conference communications

* Green background – Presenting/ First Author

Nr.	Title	Authors	Conference	Presentation type
1.	<i>Innovative Plasmonic Nanobiosensors for Fast Real-Time Biomarker Detection: From Simulated to Real Sample Application</i>	A. Campu , M. Potara, A. Craciun, S. Astilean, <u>M. Focsan</u>	Advanced Research Workshop (ARW) Biotechnology and Human Enhancement: Present Research and Future Perspectives, 3 – 5 October 2023, San Felice Circeo, Latina, Italy	Invited Lecture
2.	<i>Novel hybrid microcapsules for targeted delivery and release of therapeutic molecules under NIR-light stimulation at retina level</i>	<u>D. Stoia</u> , M. Nistor, M. Suciu, R. Borlan, A. Campu , D. Rugina, D. Maniu, S. Astilean, M. Focsan	Advanced Research Workshop (ARW) Biotechnology and Human Enhancement: Present Research and Future Perspectives, 3 – 5 October 2023, San Felice Circeo, Latina, Italy	Oral Presentation
3.	<i>Novel smart wound patch: the next generation of wound dressing</i>	<u>D. Stoia</u> , R. Borlan, A. Campu , F. Zorila, M. Alexandru, M. Raileanu, M. Bacalum, M. Focsan	14 th International Conference Processes in Isotopes and Molecules, 19 – 22 September 2023, Cluj-Napoca, Romania	Oral Presentation
4.	<i>Novel hybrid microcapsules for targeted delivery and NIR-light stimulated release of therapeutic molecules at retina level</i>	<u>D. Stoia</u> , M. Nistor, M. Suciu, R. Borlan, A. Campu , D. Maniu, S. Astilean, M. Focsan	6 th Grandmaster Early-Career Workshop in Physics (GEWP2023), 3 – 8 September 2023, Cluj-Napoca, Romania	Oral Presentation
5.	<i>Miniaturized electrochemical biosensor for troponin I protein - cardiac biomarker detection</i>	<u>M. Moruz</u> , A. Campu , S. Astilean, M. Focsan	The Annual International Conference of Romanian Society of Biochemistry and Molecular Biology (RSBMB), 13 – 15 September 2023, Cluj-Napoca, Romania	Poster Presentation
6.	<i>Flexible electrochemical - SERS plasmonic chip for the non-invasive real-time glucose monitoring in artificial sweat</i>	A. Campu , M. Potara, S. Astilean, M. Focsan	4 th International Conference on NanoMaterials for Health, Energy and the Environment (ICNM2023), 27 – 31 August 2023, Caloundra, Australia.	Oral Presentation
7.	<i>3D micro-imprinted flexible plasmonic PDMS-based platform for SPR-SERS detection of the formalin contaminant</i>	A. Campu , M. Potara, S. Astilean, <u>M. Focsan</u>	META 2023 – 13 th International Conference on Metamaterials, Photonic Crystals and Plasmonics, 18 – 21 July 2023, Paris, France	Poster Presentation

8.	<i>Portable microfluidic plasmonic chip for fast real-time cardiac troponin I biomarker detection</i>	A. Campu , I. Muresan, M. Potara, D. R. Lazar, F. L. Lazar, S. Cainap, D. Maniu, S. Astilean, <u>M. Focsan</u>	META 2023 – 13 th International Conference on Metamaterials, Photonic Crystals and Plasmonics, 18 – 21 July 2023, Paris, France	Invited Lecture
9.	<i>Presentation of Patent RO 133447 B1 (2021) and Patent Applications RO 135233 A0 (2021) and RO 137390 A0 (2022)</i>	A. Campu	UBB InnoFair 2023, 30 May 2023, Cluj-Napoca, Romania	Poster Presentation
10.	<i>Nanosenzor plasmonic eficient pe bază de nanobipiramide de aur pentru detecția multimodală a biomarker-ului cardiac troponină I</i>	S. Cainap, M. Focsan, A. Campu , S. Astilean, M. Potara, I. Muresan	UMF Cluj Technology Transfer Days, 17 – 18 May, Cluj-Napoca, Romania	Poster and Oral Presentation
11.	<i>Correlation between Plasmonic and thermal properties of metallic nanostructures</i>	I. Abid, Q. Liu, A. Campu , G. Vaudel, P. Ruello, M. Focsan, M. Edely, <u>M. Lamy de la Chapelle</u>	Photoptics 2023 – 11 th International Conference on Photonics, Optics and Laser Technology, 16 – 18 February 2023, Lisbon, Portugal	Poster Presentation
12.	<i>NIR fluorescent hybrid microcapsules as efficient deliver agents for controlled in vitro Avastin drug release</i>	<u>D. Stoia</u> , M. Nistor, A. Campu , A. Vulpoi, M. Suciuc, D. Rugina, S. Astilean, M. Focsan	4 th International Conference on Materials: Advanced and Emerging Materials (ICM2022), 19 – 21 October 2022, Barcelona, Spain	Poster Presentation
13.	<i>Flexible and Miniaturized Microfluidic Paper-based Plasmonic Chip for Efficient NIR Metal Enhanced Fluorescence Biosensing and Imaging</i>	A. Campu , I. Muresan, A. M. Craciun, S. Astilean, <u>M. Focsan</u>	6 th International Workshop on Nano and Biophotonics (IWNBP 2022), 25 – 30 September 2022, Evian, France	Invited Lecture
14.	<i>Fabrication of a Miniaturized Flexible Metalized Micro-Rough PDMS Substrate with Dual SPR-SERS Sensing Capabilities</i>	<u>A. Campu</u> , M. Moruz, M. Potara, A. Vulpoi, S. Astilean, M. Focsan	NanoInnovation 2022, 19 – 23 September 2022, Rome, Italy	Poster Presentation
15.	<i>Multimodal resveratrol-delivery theranostic microsystem for the management of diabetic retinopathy</i>	<u>R. Pop</u> , M. Nistor, D. Stoia, A. Campu , M. Focsan, D. Rugina, A. Pinteau	21 st International Conference Life Sciences for Sustainable Development, 15 – 17 September 2022, Cluj-Napoca, Romania	Oral Presentation
16.	<i>Resveratrol theranostic microsystems designed for in vitro laser-induced treatment in diabetic retinopathy</i>	<u>R. Pop</u> , M. Nistor, D. Stoia, A. Campu , M. Focsan, A. Pinteau, D. Rugina	EuChemS Chemistry Congress, 28 August – 1 September 2022, Lisbon, Portugal	Poster Presentation

17.	<i>Laser-activated release of resveratrol from polymeric microcapsules for diabetic retinopathy therapy: an in vitro approach</i>	<u>R. Pop</u> , M. Nistor, D. Stoia, A. Campu , M. Focsan, S. Tripon, L. Barbu, A. Pintea, D. Rugina	The Biochemistry Global Summit, 25 th IUBMB Congress, 46 th FEBS Congress, 15 th PABMB Congress, 9 – 14 July 2022, Lisabon, Portugal	Poster Presentation
18.	<i>PDMS-integrated Plasmonic Sensor as Flexible Chip for Metal Enhanced Fluorescence Biosensing and Imaging</i>	<u>M. Focsan</u> , A. Campu , I. Muresan, A. Vulpoi, A. M. Craciun, S. Astilean	19 th International Conference on Nanosciences & Nanotechnologies (NN22), 5 – 8 July 2022, Thessaloniki, Greece	Oral Presentation
19.	<i>Design of Integrated Flexible Plasmonic Device for Real-Time Metal Enhanced Fluorescence Biosensing</i>	<u>I. Muresan</u> , A. Campu , S. Astilean, M. Focsan	2 nd International Conference on Materials & Nanomaterials (M&Ns), 25 – 27 July 2022, Rome, Italy	Poster Presentation
20.	<i>Microfluidic Plasmonic Device for the Sensitive Dual LSPR-Thermal Detection of the Cardiac Troponin Biomarker in Laminal Flow</i>	A. Campu , I. Muresan, S. Cainap, S. Astilean, M. Focsan	16 th International Conference on Microfluidics and Lab-on-a-Chip (ICMLC 2022), 23 – 24 June 2022, Paris, France	Oral Presentation
21.	<i>Microfluidic Paper-based Plasmonic Chip: towards Efficient Near-Infrared Metal Enhanced Fluorescence Biosensing and Imaging</i>	A. Campu , I. Muresan, A. M. Craciun, A. Vulpoi, S. Astilean, M. Focsan	7 th International Conference on Bio-Sensing Technology, 22 – 25 May 2022, Sitges, Spain	Poster Presentation
22.	<i>Flexible microfluidic chip based on plasmonic paper for efficient MEF detection of immunological reaction</i>	A. Campu , I. Muresan, A. M. Craciun, S. Astilean, M. Focsan	13 th International Conference on Physics of Advanced Materials (IC-PAM 13), 24 – 30 September 2021, Sant Feliu de Guixols, Spain	Poster Presentation
23.	<i>Theranostic microcapsules for local resveratrol delivery and its potential laser release in retina cells</i>	<u>R. Pop</u> , M. Nistor, D. Stoia, R. Borlan, A. Campu , A. Pintea, M. Focsan, D. Rugina	20 th International Conference Life Sciences for Sustainable Development, 23 – 24 September 2021, Cluj-Napoca, Romania.	Poster Presentation
24.	<i>Biomimetic gold bipyramids for plasmonic photo-thermal therapy</i>	P. Rosa, A. Campu , V. Verrina, F. Petronella, S. Miglietta, A. Calogero, R. Pani, A. Athanassiou, M. Focsan, G. Perotto, <u>L. De Sio</u>	European Optical Society Annual meeting (EOSAM) 2021, 13 – 17 September 2021, Rome, Italy	Invited Lecture
25.	<i>Resveratrol-therapeutic agent delivered and localized via fluorescent polyelectrolyte microsystems inside living cells</i>	<u>D. Stoia</u> , R. Borlan, A. Campu , A. Pintea, M. Focsan, D. Rugina,	18 th International Conference on Nanoscience & Nanotechnologies (NN21), 15 th International Summer School on N&N, OE & Nanomedicine (ISSON21), 6 – 9 July 2021, Thessaloniki, Greece	Poster Presentation

26.	<i>Portable Plasmonic Nanochip for Fast Cardiac Troponin Biomarker Detection</i>	<u>I. Muresan</u> , A. Campu , D. Lazar, S. Cainap, F. Lazar, S. Astilean, D. Maniu, M. Focsan	15 th International Summer Schools on N&N, OE & Nanomedicine (ISSON21), 3 – 10 July 2021, Thessaloniki, Greece	Poster Presentation
27.	<i>Microfluidic Plasmonic Device based on gold bipyramidal nanoparticles</i>	<u>M. Focsan</u> , A. Campu , S. Astilean, T. Murariu, I. Turcu	12 th Edition of EUROINVENT – European Exhibition of Creativity and Innovation, Inventions and Research Exhibition, 20 – 22 May 2021, Romania	Poster Presentation
28.	<i>Fabrication of Gold Nano-Bipyramids towards their Implementation as Efficient Biosensing Enhancers and Thermo-Plasmonic Generators</i>	A. Campu , M. Focsan, S. Astilean	3 rd Edition of the National Doctoral School Conference of the Universitaria Consortium (CSDCU-MIF2020), 22 – 24 October 2020, Iasi, Romania	Invited Lecture
29.	<i>Photothermal and Photodynamic Properties of ICG Containing Gold Bipyramids Towards their Therapeutic Potential in the NIR Biological Window</i>	A. Campu , M. Focsan, D.O. Rugina, F. Lerouge, S. Parola, S. Astilean	5 th International Workshop on Nano- and Biophotonics (IWNBP 2019), 22 – 27 September 2019, St Nectaire, France	Oral Presentation
30.	<i>Calligraphed Plasmonic Paper Platforms for Multiplexed Detection</i>	L. Susu, A. Campu , F. Lerouge, S. Parola, S. Astilean, <u>M. Focsan</u>	5 th International Workshop on Nano- and Biophotonics (IWNBP 2019), 22 – 27 September 2019, St Nectaire, France	Invited Lecture
31.	<i>Designing Versatile Plasmonic-Based Nanoplatfoms for Applications in Nanomedicine</i>	<u>S. Astilean</u> , M. Potara, T. Simon, S. Suarasan, M. Focsan, A. Craciun, A. Campu , S. Boca-Farcau, C. Farcau, D. Maniu	5 th International Workshop on Nano- and Biophotonics (IWNBP 2019), 22 – 27 September 2019, St Nectaire, France	Invited Lecture
32.	<i>Engineering Miniaturized Nanoplatfoms via Plasmonic Calligraphy for Efficient Multimodal Biodetection</i>	A. Campu , L. Susu, F. Orzan, L. Tie, S. Astilean, <u>M. Focsan</u>	Materials and Nanomaterials M&Ns-19, 17 – 19 July 2019, Paris, France	Oral Presentation
33.	<i>Calligraphed plasmonic lines on paper operating as a miniaturized portable biosensing device</i>	<u>L. Susu</u> , A. Campu , S. Astilean, M. Focsan	Molecular Plasmonics 2019, 23 – 25 May, Jena, Germany	Poster Presentation
34.	<i>Gold Nanobipyramid-based SEIRA Immunosensor in Solution</i>	A. Campu , D. Maniu, S. Astilean, M. Focsan	Single-Molecule Sensors and nanoSystems International Conference, 3 – 5 April 2019, Munich, Germany	Poster Presentation

35.	<i>Cysteine-Mediated Linear Assemblies of Gold Nanorods for Induced SERS Hot-Spots</i>	<u>L. Tie</u> , J. Bosson, C. Tira, A. Campu , A. Vulpoi, S. Astilean, M. Focsan	6 th International Workshop on Advanced, Nano- and Biomaterials and Their Applications and Sixth French-Romanian Topical Meeting on Nano and Biomaterials, 12 – 16 May 2019, Cluj-Napoca, Romania	Oral Presentation
36.	<i>Designed Plasmonic-Based NanoSensors for Integrated Multimodal Biodetection</i>	A. Campu , L. Susu, L. Tie, A. M. Craciun, F. Lerouge, S. Parola, S. Astilean, <u>M. Focsan</u>	6 th International Workshop on Advanced, Nano- and Biomaterials and Their Applications and Sixth French-Romanian Topical Meeting on Nano and Biomaterials, 12 – 16 May 2019, Cluj-Napoca, Romania	Invited Lecture
37.	<i>Plasmonic nanoplatfoms for theranostic applications</i>	M. Potara, T. Simon, S. Suarasan, M. Focsan, A. Gabudean-Craciun, S. Boca-Farcau, A. Campu , D. Maniu, <u>S. Astilean</u>	6 th International Workshop on Advanced, Nano- and Biomaterials and Their Applications and Sixth French-Romanian Topical Meeting on Nano and Biomaterials, 12 – 16 May 2019, Cluj-Napoca, Romania	Invited Lecture
38.	<i>Enhanced multimodal biosensing using plasmonic paper-based nanoplatfoms</i>	<u>A. Campu</u> , F. Orzan, F. Lerouge, S. Parola, S. Astilean, M. Focsan	Nanophotonics and Micro/Nano Optics International Conference Nanop 2018, 1 – 3 October 2018, Rome, Italy	Oral Presentation
39.	<i>Triple dyes-labeled polyelectrolyte microcapsules@gold nanoparticles for anthocyanins delivery as topical administration for tumor skin cells</i>	<u>R. Ghiman</u> , D. Rugina, M. Focsan, A. Campu , A. Pinteaa, S. Astilean	Nanophotonics and Micro/Nano Optics International Conference Nanop 2018, 1 – 3 October 2018, Rome, Italy	Poster Presentation
40.	<i>Gold NanoBipyramids Performing as Highly Sensitive Dual-Modal Optical Immunosensors</i>	A. Campu , L. Susu, S. Astilean, <u>M. Focsan</u>	Biosensors as tools for today's challenges, 23 July 2018, Bucharest, Romania	Invited Lecture
41.	<i>Photothermal Therapy: optimal nanogold morphology for efficient heat generation</i>	<u>A. Campu</u> , L. Susu, F. Lerouge, S. Parola, S. Astilean, M. Focsan	Gold 2018, 15 – 18 July 2018, Paris, France	Oral Presentation
42.	<i>Designing light-responsive nanogold-polyelectrolyte microsystems for controlled drug release in human retinal cells</i>	<u>R. Ghiman</u> , D. Rugină, A. Campu , M. Focsan, S. Astilean	Gold 2018, 15 – 18 July 2018, Paris, France	Poster Presentation
43.	<i>Fabrication of innovative plasmonic paper-based nanosensors for label-free biodetection</i>	A. Campu , L. Susu, F. Orzan, F. Lerouge, S. Astilean, <u>M. Focsan</u>	NN18 15 th International Conference on Nanosciences & Nanotechnologies, 3 – 6 July 2018, Thessaloniki, Greece	Oral Presentation

44.	<i>Microfluidic Platform for Integrated Plasmonic Dual Detection</i>	A. Campu , F. Orzan, T. Murariu, I. Turcu, I. Botiz, S. Astilean, M. Focsan	<i>5th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2018), 23 – 25 May 2018, Brasov, Romania</i>	Oral Presentation
45.	<i>Designing Efficient Low-Cost Paper-based Sensing Nanoplatfoms</i>	L. Susu , A. Campu , S. Astilean, M. Focsan	<i>5th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2018), 23 – 25 May 2018, Brasov, Romania</i>	Poster Presentation
46.	<i>Controlling the End-to-End Assembly of Gold Nanorods to Enhance the Plasmonic Response in Near Infrared (NIR)</i>	L. Tie , M. Focsan, C. Tira, A. Campu , A. Vulpoi, J. Bosson, S. Astilean	<i>5th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2018), 23 – 25 May 2018, Brasov, Romania</i>	Poster Presentation
47.	<i>Plasmonic-microfluidic sensor for real-time on-site detection of ANCA antibodies</i>	A. Campu , D. Maniu, S. Astilean, M. Focsan, F. Puskas, A. R. Potra, C. C. Rusu, D. T. Moldovan, I. M. Kacso	<i>10th National Congress of Nefrology, 19 – 21 October 2017, Bucharest, Romania</i>	Poster Presentation
48.	<i>Controlling the Assembly of Colloidal Gold Bipyramids for Dual-Modal Plasmonic Biodetection</i>	A. Campu , M. Focsan, F. Lerouge, S. Parola, D. Maniu, S. Astilean	<i>16th European Student Colloid Conference 2017, 19 – 22 June, Florence, Italy</i>	Poster Presentation
49.	<i>Gold Bipyramids performing as Dual-Modal Optical Immunosensors</i>	A. Campu , M. Focsan, F. Lerouge, S. Parola, D. Maniu, S. Astilean	<i>Molecular Plasmonics 2017, 18 – 20 May, Jena, Germany</i>	Poster Presentation
50.	<i>Self-assembled Plasmonic Nanostructures for Ultrasensitive Detection</i>	M. Focsan , A. Campu , A.M. Craciun, M. Potara, C. Leordean, D. Maniu, S. Astilean	<i>2nd International Conference on NanoMaterials for health, energy and enviroment, 7 – 11 September 2016, Flic en Flac, Mauritius</i>	Invited Lecture
51.	<i>Controlling fluorescence emission by surface plasmon resonance in multilayer "core-shell" metallic nanoparticles</i>	M. Focsan , A. Campu , A. Craciun, S. Suarasan, C. Tira, A. Lazar, S. Astilean	<i>7th International Conference on Metamaterials, Photonic Crystals and Plasmonics (META16), 25 – 28 July 2016, Torremolinos-Malaga, Spain</i>	Poster Presentation

52.	<i>Sharp gold nanostructures for fluorescence enhancement</i>	<u>A. Campu</u> , M. Focsan, F. Lerouge, P. Baldeck, S. Parola	<i>3rd International Workshop on Nano and Bio-Photonics, 6 – 11 December 2015, Cabourg, France</i>	Oral Presentation
53.	<i>Plasmonic Platforms for Ultrasensitive Detection</i>	<u>M. Focsan</u> , <u>A. Campu</u> , S. Suarasan, A. Gabudean, M. Potara, D. Maniu, S. Astilean	<i>3rd International Workshop on Nano and Bio-Photonics, 6 – 11 December 2015, Cabourg, France</i>	Invited Lecture
54.	<i>Senzitivity improved Plasmonic Platform for specific Biomarkers Detection</i>	<u>M. Focsan</u> , <u>A. Campu</u> , C. Leordean, M. Potara, A. Gabudean, D. Maniu, S. Astilean	<i>3rd International Conference on BioPhotonics, 20 – 22 May 2015, Florence, Italy</i>	Poster Presentation
55.	<i>Raman Spectroscopy in Authenticity Studies, The discrimination of Inks and Stamps</i>	<u>A. Campu</u> and N. Leopold	<i>BioNanoSpec 2014, 7 – 10 September 2014, Cluj-Napoca, Romania</i>	Poster Presentation

Date
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List of attended Workshops and Webinars

<u>Nr.</u>	<u>Title</u>	<u>Type</u>	<u>Date</u>	<u>Location</u>	<u>Organizers</u>
1.	<i>ACS Publications Hybrid Summit: Innovations in Measurement Science</i>	<i>Online Summit – Hybrid Event</i>	14 March 2023	Barcelona, Spain	ACS Publications in conjunction with ACS Measurement Science Au
2.	<i>Nanosonde optice cu țintire tumorală specific pentru ghidarea în timp real a intervențiilor chirurgicale în cancerul ovarian prin imagistică de contrast în domeniul infraroșu apropiat</i>	Workshop	16 January 2023	Cluj-Napoca, Romania	“Prof. Dr. Ion Chiricuta” Oncologic Institute and Babes-Bolyai University
3.	<i>Photodynamic Therapy</i>	Online Webinar	26 September 2022	-	MDPI and Biomedicines, Biomed, and Reports
4.	<i>Grand Challenges in Measurement Science: Frontiers in Diagnostics</i>	Online Webinar	24 June 2022	London, United Kingdom	ACS Publications in conjunction with JACS Au and ACS Measurement Science Au
5.	<i>BioPhotonics Conference</i>	Virtual Conference	26 – 28 October 2021	-	Photonics Media
6.	<i>Biomedical applications of gold: in vivo applications and technologies, injectable nanoparticles and pharmacology</i>	Online Webinar	6 October 2021	-	Gold 2022 International Conference
7.	<i>Baltic Photonics 2021 MedLife</i>	Virtual Business-to-Business Event	16 September 2021	-	-
8.	<i>1st Workshop on Next Generation of Sensors (NGS-2021): The Ongoing Issues</i>	Virtual Conference	24 March 2021	-	Database Group @ Springer Nature
9.	<i>18th SymPhoTime Training Day</i>	Workshop	9 March 2018	Berlin, Germany	PicoQuant

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