

Memoriu de activitate științifică

Date privind doctorandul:	
Nume / Prenume	Onaciu Anca (căs. Ghent)

1. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection, cu factor de impact - autor principal

Nr. Crt.	Titlul	Autorii	Calitatea autorului	Revista, volum, nr. pagini	Factorul de impact	Quartila	Anul	Link al lucrării
1	Nanoscale Investigation of DNA Demethylation in Leukemia Cells by Means of Ultrasensitive Vibrational Spectroscopy	Onaciu A, Toma V, Moldovan C, Țigu A B, Cenariu D, Culic C, Borșa R M, David L, Știufiuc G F, Tetean R, Tomuleasa C, Știufiuc R I	Prim autor	Sensors, 23, 13	3,4	2	2022	https://www.mdpi.com/1424-8220/23/1/346
2	Investigating Nanoscale Interactions of Host-Guest Complexes Formed Between CB[7] and Atenolol by Quantum Chemistry and Ultrasensitive Vibrational Spectroscopy	Onaciu A, Toma V, Borșa R M, Chiș V, Știufiuc G F, Culic C, Lucaciu C M, Știufiuc R I	Prim autor, autor corespondent	Sensors, 24, 16	3,5	2	2024	https://www.mdpi.com/1424-8220/24/22/7156

2. Articole publicate in extenso în reviste și volumele unor manifestari științifice indexate ISI, Web of Science, Core collection, cu factor de impact - coautor

Nr. Crt.	Titlul	Autorii	Revista, volum, nr. pagini	Factorul de impact	Quartila	Anul	Link al lucrării
1	Hsa-miR-125b Therapeutic Role in Colon Cancer Is Dependent on the Mutation Status of the TP53 Gene	Cenariu D, Zimta A A, Munteanu R, Onaciu A, Moldovan C S, Jurj A, Raduly L, Moldovan A, Florea A, Budisan L, Pop L A, Magdo L, Albu m T, Tonea R B, Muresan M S, Ionescu C, Petrut B, Buiga R, Irimie A, Gulei D, Berindan-Neagoe I	Pharmaceutics, 13, 20	6,321	1	2021	https://www.mdpi.com/1999-4923/13/5/664
2	Quantifying cytosolic cytochrome c concentration using carbon quantum dots as a powerful method for apoptosis detection	Moldovan C S, Onaciu A, Toma V, Marginean R, Moldovan A, Tigu A B, Stiufiuc G F, Lucaciu C M, Stiufiuc R I	Pharmaceutics, 13, 18	6,321	1	2021	https://www.mdpi.com/1999-4923/13/10/1556
3	Proving Nanoscale Chiral Interactions of Cyclodextrins and Propranolol	Știufiuc G F, Toma V, Onaciu A, Chiș V, Lucaciu C M, Știufiuc R I	Pharmaceutics, 13, 13	6,321	1	2021	https://www.mdpi.com/1999-4923/13/10/1594

	Enantiomers by Means of SERS Measurements Performed on a Solid Plasmonic Substrate						
4	New Insights into the Multivariate Analysis of SER Spectra Collected on Blood Samples for Prostate Cancer Detection: Towards a Better Understanding of the Role Played by Different Biomolecules on Cancer Screening: A Preliminary Study	Munteanu V C, Munteanu R A, Gulei D, Mărginean R, Schițcu V H, Onaciu A, Toma V, Știufiuc G F, Coman I, Știufiuc R I	Cancers, 14, 17	5,2	2	2022	https://www.mdpi.com/2072-6694/14/13/3227
5	Facile microwave assisted synthesis of silver nanostars for ultrasensitive detection of biological analytes by SERS	Revnic R N, Știufiuc G F, Toma V, Onaciu A, Moldovan A, Țigu A B, Fischer-Fodor E, Tetean R, Burzo E, Știufiuc R I	International Journal of Molecular Sciences, 23, 15	5,6	1	2022	https://www.mdpi.com/1422-0067/23/15/8830
6	Hybrid lipid nanoformulations for hepatoma therapy: sorafenib	Bartos A, Iancu I, Ciobanu L, Onaciu A, Moldovan C, Moldovan A,	Nanomaterials, 12, 13	5,3	2	2022	https://www.mdpi.com/2079-4991/12/16/2833

	loaded nanoliposomes —a preliminary study	Moldovan R C, Tigu A B, Stiufiuc G F, Toma V, Iancu C, Al Hajjar N, Stiufiuc R I					
7	Current trends in luminescence-based assessment of apoptosis	Moldovan C, Onaciu A, Toma V, Munteanu R A, Gulei D, Moldovan A I, Stiufiuc G F, Feder R I, Cenariu D, Iuga C A, Stiufiuc R I	RSC Advances, 13, 18	3,9	2	2023	https://pubs.rsc.org/en/content/articlehtml/2023/ra/d3ra05809c
8	A new detection method of oral and oropharyngeal squamous cell carcinoma based on multivariate analysis of surface enhanced raman spectra of salivary exosomes	Faur C I, Dinu C, Toma V, Jurj A, Mărginean R, Onaciu A, Roman R C, Culic C, Chirilă M, Rotar H, Fălămaș A, Știufiuc G F, Hedeșiu M, Almășan O, Știufiuc R I	Journal of Personalized Medicine, 13, 16	3,0	1	2023	https://www.mdpi.com/2075-4426/13/5/762
9	Insights into the human microbiome and its connections with prostate cancer	Munteanu R, Feder R I, Onaciu A, Munteanu V C, Iuga C A, Gulei D	Cancers, 15, 20	4,5	1	2023	https://www.mdpi.com/2072-6694/15/9/2539
10	Developing new diagnostic tools based on sers analysis of filtered salivary	Borșa R M, Toma V, Onaciu A, Moldovan C S, Mărginean R, Cenariu D,	International Journal of Molecular Sciences, 15, 12	4,9	1	2023	https://www.mdpi.com/1422-0067/24/15/12125

	samples for oral cancer detection	Știufiuc G F, Dinu C M, Bran S, Opreș H O, Văcăraș S, Onișor-Gligor F, Sentea D, Băciuț M F, Iuga C A, Știufiuc R I					
11	Understanding DNA Epigenetics by Means of Raman/SERS Analysis for Cancer Detection	David L, Onaciu A, Toma V, Borșa R M, Moldovan C, Țigu A B, Cenariu D, Șimon I, Știufiuc G F, Carasevici E, Drăgoi B, Tomuleasa C, Știufiuc R I	Biosensors, 14, 15	5,6	1	2024	https://www.mdpi.com/2079-6374/14/1/41
12	Therapeutic advances of targeting receptor tyrosine kinases in cancer	Tomuleasa C, Tigu a B, Munteanu R, Moldovan C S, Kegyes D, Onaciu A, Gulei D, Ghiaur G, Einsele H, Croce C M	Signal Transduction and Targeted Therapy, 9, 51	52,7	1	2024	https://www.nature.com/articles/s41392-024-01899-w
13	Understanding the Interaction of Röntgen Radiation Employed in Computed Tomography/One Beam Computed Tomography Investigations of the Oral Cavity by	Borsa R M, Toma V, Nascutiu M T, Onaciu A, Colceriu-Simon I M, Baciut G, Bran S, Dinu C M, Onisor F, Armencea G, Culic C, Hedesiu m C, Știufiuc R I,	Sensors, 24, 12	3,5	2	2024	https://www.mdpi.com/1424-8220/24/24/8021

	Means of Surface-Enhanced Raman Spectroscopy Analysis of Saliva	Baciut M F					
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ALTE TIPURI DE PUBLICAȚII

Participări cu lucrări la manifestări științifice naționale

1. Prezentare orală: „New methods for plasmonic and magnetoplasmonic liposomes synthesis as tools for drug delivery applications”, Ghenț A, Moldovan C, Centenarul Institutului National Cantacuzino, 1-3 aprilie 2021, online
2. Prezentare poster: „A new method for DNA methylation assessment using ultrasensitive vibrational microscopy”, Onaciu A, Toma V, Moldovan C, Tigu A B, Cenariu D, Hirian R, Stiufiuc G F, Tomuleasa C, Lucaciu C M, Stiufiuc R I, Zilele UMFIH, 8 decembrie 2021, online
3. Prezentare poster: „Investigating plasmonic gold nanoparticles interactions with cellular media by means of hyperspectral microscopy”, Onaciu A, Lazorec B M, Toma V, Moldovan C, Tigu A B, Moldovan A, Stiufiuc G F, Stiufiuc R I, Zilele UMFIH, 9 decembrie 2022
4. Prezentare poster (Premiul II): „Developing a method for DNA samples spectral analysis”, Onaciu A, Toma V, David L, Moldovan C, Tigu A B, Cenariu D, Tomuleasa C, Stiufiuc R I, Zilele UMFIH, 4-8 decembrie 2023
5. Prezentare poster: „Combined quantum chemistry and ultrasensitive vibrational spectroscopy analysis of nanoscale interactions established between CB[7] and atenolol enantiomers”, Onaciu A, Toma V, Borșa R M, Moldovan C S, Feder R I, Chiș V, Știufiuc R I, Zilele UMFIH, 2-6 decembrie 2024

Participări manifestări științifice naționale

1. Insights in hematology, 6th edition, Cluj-Napoca, Romania, 18-19 septembrie 2021
2. Insights in hematology, 7th edition, Cluj-Napoca, Romania, 16-18 septembrie 2022
3. Insights in hematology, 8th edition, Cluj-Napoca, Romania, 9-10 septembrie 2023
4. Insights in hematology, 9th edition, Cluj-Napoca, Romania, 9-10 mai 2024
5. Insights in hematology, 10th edition, Cluj-Napoca, Romania, 14-15 mai 2025

Participări la mobilități internaționale de training și cercetare

1. Stagii de perfecționare la Universitatea din Islanda, Reykjavik, Islanda, perioada 29 noiembrie-02 decembrie 2022 în cadrul SEE 20-COOP-0085 Cooperation strategy for knowledge transfer, internalization and curricula innovation in the field of research education at the 3rd level of study – AURORA
2. Stagii de perfecționare la Universitatea din Oslo, Oslo, Norvegia, perioada 27 -31 martie 2023 în cadrul cadrul SEE 20-COOP-0085 Cooperation strategy for knowledge transfer, internalization and curricula innovation in the field of research education at the 3rd level of study – AURORA
3. Stagiul de perfecționare la Școala de vară NTEU - Summer School - Electron Microscopy Sample Preparation, Practical insights into tissue samples preparation for electron microscopy, Universitatea din Debrecen, Debrecen, Ungaria, 16-22 iulie 2023

20.10.2025