

Lista de lucrări științifice

a) Lista celor maximum 10 lucrări considerate a fi cele mai relevante pentru domeniul disciplinelor postului pentru care se candidează:

1. Rusu A. **Oancea O.-L.** Donici E. Uncu L. Recent Developments in Penem Antibiotics: Structural and Therapeutic Perspectives. *Molecules* 2025, 30: 2126, doi.org/10.3390/molecules30102126, ISSN: 1420-3049, FI: 4,6, Q2; autor corespondent.
2. **Oancea O.-L.** Ciurea C.N. Mare A.D. Man A. Stefanescu R. Rusu A. In Vitro Evaluation of the Antibacterial Effect and Influence on the Bacterial Biofilm Formation of Glutamic Acid and Some Structural Analogues. *Antibiotics* 2025, 14: 415, doi.org/10.3390/antibiotics14040415, ISSN: 2079-6382, FI: 4,6, Q1.
3. **Oancea O.-L.** Gâz Ș.A. Marc G. Lungu I.-A. Rusu A. In Silico Evaluation of Some Computer-Designed Fluoroquinolone–Glutamic Acid Hybrids as Potential Topoisomerase II Inhibitors with Anti-Cancer Effect. *Pharmaceutics* 2024, 17: 1593, doi.org/10.3390/ph17121593, ISSN: 1424-8247, FI: 4,8, Q1; autor corespondent.
4. Rusu A. **Oancea O.-L.** Tanase C. Uncu L. Unlocking the Potential of Pyrrole: Recent Advances in New Pyrrole-Containing Compounds with Antibacterial Potential. *IJMS* 2024, 25: 12873, doi.org/10.3390/ijms252312873, ISSN: 1422-0067, FI: 4,9, Q1.
5. Lungu I.-A. **Oancea O.-L.** Rusu A. In Silico Study of the Potential Inhibitory Effects on Escherichia coli DNA Gyrase of Some Hypothetical Fluoroquinolone–Tetracycline Hybrids. *Pharmaceutics* 2024, 17: 1540, doi.org/10.3390/ph17111540, ISSN: 1424-8247, FI: 4,8, Q1.
6. **Moldovan O.-L.** Vari C.-E. Tero-Vescan A. Cotoi O. S. Cocuz I. G. Tăbăran F. A. Pop R. Fülöp I. Chiș R. F. Lungu I.-A. Rusu A. Potential Defence Mechanisms Triggered by Monosodium Glutamate Sub-Chronic Consumption in Two-Year-Old Wistar Rats. *Nutrients* 2023, 15: 4436, doi: 10.3390/nu15204436, ISSN: 2072-6643, FI: 5,9, Q1; autor corespondent.
7. **Moldovan O.-L.** Sandulea A. Lungu I.-A. Gâz Ș. A. Rusu A. Identification of Some Glutamic Acid Derivatives with Biological Potential by Computational Methods. *Molecules* 2023, 28: 4123, doi: 10.3390/molecules28104123, ISSN: 1420-3049, FI: 4,6, Q2; autor corespondent.
8. Lungu I.-A. **Moldovan O.-L.** Biriș V. Rusu A. Fluoroquinolones Hybrid Molecules as Promising Antibacterial Agents in the Fight against Antibacterial Resistance. *Pharmaceutics* 2022, 14: 1749, doi: 10.3390/pharmaceutics14081749, ISSN: 1999-4923, FI: 5,4, Q1; autor corespondent.
9. Rusu A. Lungu I.-A. **Moldovan O.-L.** Tănase C. Hancu G. Structural Characterization of the Millennial Antibacterial (Fluoro)Quinolones—Shaping the Fifth Generation. *Pharmaceutics*

2021, 13: 1289, doi: 10.3390/pharmaceutics1308128, ISSN: 1999-4923, FI: 6,525, Q1.

10. **Moldovan O.-L.** Rusu A. Tănase C. Vari C.-E. Glutamate - A multifaceted molecule: Endogenous neurotransmitter, controversial food additive, design compound for anti-cancer drugs. A critical appraisal. Food and Chemical Toxicology 2021, 153: 112290, doi: 10.1016/j.fct.2021.112290, ISSN: 0278-6915, FI: 5,572, Q1.

b) Titlul tezei de doctorat: Contribuții la studiul metabolismului monoglutamatului de sodiu și la identificarea altor potențiale efecte biologice ale acidului glutamic și ale unor derivați structurali prin metode *in silico* și *in vitro* (teză de doctorat finalizată și susținută în 30.09.2024; titlul științific de doctor obținut în baza Ordinului Ministrului Educației nr. 3002 din 08.01.2025; conducător științific Prof. univ. dr. Rusu Aura, Școala doctorală de Medicină și Farmacie a I.O.S.U.D. din cadrul UMFST G. E. Palade din Târgu Mureș, calificativul Magna cum laude).

c) Cărți de specialitate: Rusu A. **Oancea O.-L.** Uncu L. Cercetarea fundamentală în descoperirea medicamentelor: fundamente, strategii și metode moderne. Editura University Press Târgu Mureș, 2025, 366 pg, ISBN 978-973-169-937-0.

d) Articole publicate in extenso:

i. Articole în reviste cotate ISI:

1. Rusu A. Mazilu R.-D. Szekely-Szentmiklosi B. **Oancea O.-L.** Tanase C. Lungu I.-A. Hancu G. Bioactive Compounds for Topical and Minimally Invasive Cellulite Treatment and Skin Rejuvenation. Cosmetics 2026, 13: 35, doi.org/10.3390/cosmetics13010035, ISSN: 2079-9284, FI: 3,2, Q1; autor corespondent.
2. Rusu A. Farcas A.-M. **Oancea O.-L.** Tanase C. Cannabidiol in Skin Health: A Comprehensive Review of Topical Applications in Dermatology and Cosmetic Science. Biomolecules 2025, 15: 1219, doi.org/10.3390/biom15091219, ISSN: 2218-273X, FI: 4,8, Q1; autor corespondent.
3. Rusu A. **Oancea O.-L.** Donici E. Uncu L. Recent Developments in Penem Antibiotics: Structural and Therapeutic Perspectives. Molecules 2025, 30: 2126, doi.org/10.3390/molecules30102126, ISSN: 1420-3049, FI: 4,6, Q2; autor corespondent.
4. **Oancea O.-L.** Ciurea C.N. Mare A.D. Man A. Stefanescu R. Rusu A. In Vitro Evaluation of the Antibacterial Effect and Influence on the Bacterial Biofilm Formation of Glutamic Acid and Some Structural Analogues. Antibiotics 2025, 14: 415, doi.org/10.3390/antibiotics14040415, ISSN: 2079-6382, FI: 4,6, Q1.
5. **Oancea O.-L.** Gâz Ș.A. Marc G. Lungu I.-A. Rusu A. In Silico Evaluation of Some Computer-Designed Fluoroquinolone–Glutamic Acid Hybrids as Potential Topoisomerase II Inhibitors with Anti-Cancer Effect. Pharmaceutics 2024, 17: 1593, doi.org/10.3390/ph17121593,

ISSN: 1424-8247, FI: 4,8, Q1; autor corespondent.

6. Rusu A. **Oancea O.-L.** Tanase C. Uncu L. Unlocking the Potential of Pyrrole: Recent Advances in New Pyrrole-Containing Compounds with Antibacterial Potential. *IJMS* 2024, 25: 12873, doi.org/10.3390/ijms252312873, ISSN: 1422-0067, FI: 4,9, Q1.
7. Lungu I.-A. **Oancea O.-L.** Rusu A. In Silico Study of the Potential Inhibitory Effects on Escherichia coli DNA Gyrase of Some Hypothetical Fluoroquinolone–Tetracycline Hybrids. *Pharmaceuticals* 2024, 17: 1540, doi.org/10.3390/ph17111540, ISSN: 1424-8247, FI: 4,8, Q1.
8. **Moldovan O.-L.** Vari C.-E. Tero-Vescan A. Cotoi O. S. Cocuz I. G. Tăbăran F. A. Pop R. Fülöp I. Chiş R. F. Lungu I.-A. Rusu A. Potential Defence Mechanisms Triggered by Monosodium Glutamate Sub-Chronic Consumption in Two-Year-Old Wistar Rats. *Nutrients* 2023, 15: 4436, doi: 10.3390/nu15204436, ISSN: 2072-6643, FI: 4,8, Q1; autor corespondent.
9. **Moldovan O.-L.** Sandulea A. Lungu I.-A. Gâz Ş. A. Rusu A. Identification of Some Glutamic Acid Derivatives with Biological Potential by Computational Methods. *Molecules* 2023, 28: 4123, doi: 10.3390/molecules28104123, ISSN: 1420-3049, FI: 4,2, Q2; autor corespondent.
10. Rusu A. Cherecheş M. C. Popa C. Botezatu R. Lungu I.-A. **Moldovan O.-L.** Community pharmacist's perspective regarding patient-centred communication in conjunction with pharmaceutical practice: A cross-sectional survey. *Saudi Pharmaceutical Journal* 2022, 30: 1327–1344, doi: 10.1016/j.jsps.2022.06.014, ISSN: 1319-0164, FI: 4,1, Q2.
11. Lungu I.-A. **Moldovan O.-L.** Biriş V. Rusu A. Fluoroquinolones Hybrid Molecules as Promising Antibacterial Agents in the Fight against Antibacterial Resistance. *Pharmaceutics* 2022, 14: 1749, doi: 10.3390/pharmaceutics14081749, ISSN: 1999-4923, FI: 5,4, Q1; autor corespondent.
12. Rusu A. Lungu I.-A. **Moldovan O.-L.** Tănase C. Hancu G. Structural Characterization of the Millennial Antibacterial (Fluoro)Quinolones—Shaping the Fifth Generation. *Pharmaceutics* 2021, 13: 1289, doi: 10.3390/pharmaceutics1308128, ISSN: 1999-4923, FI: 6,525, Q1.
13. **Moldovan O.-L.** Rusu A. Tănase C. Vari C.-E. Glutamate - A multifaceted molecule: Endogenous neurotransmitter, controversial food additive, design compound for anti-cancer drugs. A critical appraisal. *Food and Chemical Toxicology* 2021, 153: 112290, doi: 10.1016/j.fct.2021.112290, ISSN: 0278-6915, FI: 5,572, Q1.

ii. Articole în reviste indexate BDI:

1. Lungu I.-A. Farczádi L. Szabó Z.-I. Gâz Ş.A. **Moldovan O.-L.** Rusu A. Preliminary study to obtain some fluoroquinolone tetracycline hybrids. *Acta Medica Marisiensis* 2024, 70(4), doi: 10.2478/amma-2024-0034, ISSN: 2668-7755, Scopus: <https://www.scopus.com/sourceid/21101023830>.
2. Rusu A. Arbănaşi E.-M. Lungu I.-A. **Moldovan O.-L.** Perspectives on antiviral drugs

development in the treatment of Covid-19. Acta Biologica Marisiensis 2021, 4(1): 44-59, doi: 10.2478/abmj-2021-0005, ISSN: 2601 – 6141, Scopus: <https://www.scopus.com/sourceid/21101291058>.

3. **Moldovan O.-L.** Brihan D.-N. Todoran N. Rusu A. Thin layer chromatographic compatibility study in preformulation of new transdermal therapeutic systems. Acta Medica Marisiensis 2020, 66(1): 23-29, doi: 10.2478/amma-2020-0004, ISSN 2668-7755, Scopus: <https://www.scopus.com/sourceid/21101023830>.

e) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate:

Nu este cazul

f) Brevete de invenție și alte titluri de proprietate industrial:

Nu este cazul

g) Alte lucrări și contribuții științifice (Articole publicate în rezumat în reviste și volumele unor manifestări științifice, cu ISBN sau ISSN):

1. **Oancea O.-L.** Rusu A. Evaluarea in silico a unor derivați ai acidului glutamic ca potențiali inhibitori ai glutaminazei în terapia anticanceroasă. Congresul Național de Farmacie, Ediția XX, Târgu Mureș, România, 24-26 Septembrie 2025, Volum de rezumate 2025: 65, ISBN 978-973-169-929-5.
2. Avram R.M. Ursa M. Gâz Ș.A. **Oancea O.-L.** The Importance of Acylation Reactions in Drug Synthesis. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 21-25 Mai 2025, Acta Medica Marisiensis 2025, 71(4): 408, ISSN: 2668-7755.
3. Ursa M. Avram R.M. **Oancea O.-L.** Gâz Ș.A. Organic Pollutants in Romanian Waters. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 21-25 Mai 2025, Acta Medica Marisiensis 2025, 71(4): 407, ISSN: 2668-7755.
4. Freundlich L. Gâz Ș.A. **Moldovan O.-L.** HDAC6 Inhibitors. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 22-26 Mai 2024, Acta Medica Marisiensis 2024, 70(3): 131, ISSN: 2668-7755.
5. **Moldovan O.-L.** Hancu G. Rusu A. Identificarea unor noi hibrizi ai fluorochinolonei cu acidul glutamic și evaluarea activității lor biologice prin metode computaționale. Congresul Național de Farmacie, Ediția XIX, Cluj-Napoca, România, 27-29 Septembrie 2023, Volum de rezumate – Farmacia azi – de la tradiție la interdisciplinaritate și inteligență artificială 2023: 44, ISBN 978-606-075-203-5.
6. Sandulea A. **Moldovan O.-L.** Rusu A. Shaping New Glutamic Acid Derivatives with

Anticancer Potential by Computational Methods. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 4-8 Mai 2022, Acta Medica Marisiensis 2022, 68(3): 145, ISSN: 2668-7755.

7. **Moldovan O.-L.** Rusu A. Vari C.-E. (Un)Expected dose-toxicity relationship of monosodium glutamate in rats. Between evidence and hypothesis – is there any relevance for humans?. International Conference of PhD Students and Young Doctors, Târgu Mureș, România, 8 Decembrie 2021, Book of abstracts 2021, 4: 146, ISSN: 2602-1609.
8. **Moldovan O.-L.** Sandulea A. Rusu A. A new perspective about glutamic acid: from the toxicity of monosodium glutamate to the anticancer potential of some derivatives. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 12-16 Mai 2021, Acta Medica Marisiensis 2021, 67(S1): 59, ISSN: 2668-7755.
9. **Moldovan O.-L.** Tero-Vescan A. Influence of sensory bouquet – taste, smell and color on food intake and metabolism. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 27-31 Martie 2019, Acta Medica Marisiensis 2019, 65(S1): 66, ISSN 2068 – 3324.
10. **Moldovan O.-L.** Ósz B.E. Osteoporosis – Comparative analysis between current and new therapeutic concepts. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 27-31 Martie 2019, Acta Medica Marisiensis 2019, 65(S1): 128, ISSN 2068 – 3324.
11. **Moldovan O.-L.** Tero-Vescan A. Miklos A. Filip C. Pharmaceutical counseling in lactose intolerance and milk protein allergy. The 5th National Conference on Nutrition and Dietetics “Current nutritional approaches to food allergies and intolerances”, Târgu Mureș, România, 4-5 Mai 2018, Acta Medica Marisiensis 2018, 64(S2): 12, ISSN 2068 – 3324.
12. **Moldovan O.-L.** Morariu D. Tero-Vescan A. Ósz B.E. Eating disorders caused by stress in rats. Correlations with the human species. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 28 Martie-1 Aprilie 2018, Acta Medica Marisiensis 2018, 64(S1): 78, ISSN 2068 – 3324.
13. Morariu D. **Moldovan O.-L.** Tero-Vescan A. Ósz B.E. Glutamate: Friend or foe? New biochemical metabolic aspects. International Congress for Students, Young Doctors and Pharmacists Marisiensis, Târgu Mureș, România, 28 Martie-1 Aprilie 2018, Acta Medica Marisiensis 2018, 64(S1): 85, ISSN 2068 – 3324.
14. **Moldovan O.-L.** Tero-Vescan A. Miklos A. Ósz B.E. Filip C. The use of soy proteins for junior athletes – Between benefits and risks. The 3rd International Sport Nutrition Conference “Transdisciplinary Research in Physical Therapy, Physical Activity and Sports Nutrition”, Târgu Mureș, România, 3-4 Noiembrie 2017, Acta Medica Marisiensis 2017, 63(S3): 67, ISSN 2068 – 3324.