

**PERSONAL INFORMATION**

First name / Surname **Moleriu Lavinia Cristina**

Adress  Department III, Medical Informatics and Statistics, Str. Tudor Vladimirescu, Nr. 14, Timisoara, Romania

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 [moleriu.lavinia@umft.ro](mailto:moleriu.lavinia@umft.ro)

Date of birth

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**WORK EXPERIENCE**

October 2017 – present Associate Professor  
University of Medicine and Pharmacy “Victor Babes,” Timisoara, Timis, Romania, Department of Medical Informatics and Statistics

October 2013 – October 2017 University Assistant  
University of Medicine and Pharmacy “Victor Babes,” Timisoara, Timis, Romania, Department of Medical Informatics and Statistics

**EDUCATION AND TRAINING**

From October 2010 – December 2013 PhD in Computer Science with the title „Identification techniques for compartmental models with application in immunology”

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production		Writing	
<b>English</b>	C2	Advanced	C2	Advanced	C1	Advanced	C1	Advanced	C2	Advanced
<b>Spanish</b>	B2	Intermediate	B2	Intermediate	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate
<b>Hungarian</b>	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate
<b>German</b>	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate	A2	Pre-intermediate

**RESEARCH**

- H-index=12,
- 70 ISI Web of Science articles,
- 466 citations in ISI Web of Science

**PROJECTS**

2012 – 2015 research grant PN-II-ID-PCE cod 2011-3-0571, “Modelling and simulating the thymocytes populations and components of thymic medulla in normal and pathological conditions” as a member

**DOMAIN OF RESEARCH**

- Mathematical Statistics, Biostatistics
- Applied Informatics

Publications  
Presentations  
Projects  
Conferences  
Seminars  
Honours and awards  
Memberships  
References

## MAIN PUBLICATIONS

### I. ISI

1. Lupusoru R, **Moleriu LC** et al., AI-Guided Multi-Omic Microbiome Modulation Improves Clinical and Inflammatory Outcomes in Refractory IBD: A Real-World Study, *International Journal Of Molecular Sciences*, Vol27, Issue 1, DOI 10.3390/ijms27010201, 2025;
2. Radu AF; Radu A; Nistor-Cseppento CD; Tit DM; **Moleriu LC**; Pascalau NA ; Moleriu RD; Bungau SG, Challenging the One-Size-Fits-All Approach in Rheumatoid Arthritis Management by Addressing Serostatus-Driven Differences, *BALNEO AND PRM RESEARCH JOURNAL*, Vol.16, Issue 2, DOI 10.12680/balneo.2025.803, 2025;
3. Burciu OM; Sas I ; Popoiu TA ; Merce AG ; **Moleriu L** ; Cobec IM, Correlations of Imaging and Therapy in Breast Cancer Based on Molecular Patterns: An Important Issue in the Diagnosis of Breast Cancer, *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, Vol. 25, Issue 15, DOI 10.3390/ijms25158506, 2024;
4. Dragomir RE; Toader DO; Mutu DEG; Dogaru IA; Raducu L; Tomescu LC; **Moleriu LC**; Bordianu A; Petre I; Stanculescu R, Consequences of Maternal Vitamin D Deficiency on Newborn Health, *LIFE-BASEL*, Vol.14, Issue 6, DOI 10.3390/life14060714, 2024;
5. Bungau AF; Tit DM; Stoicescu M; **Moleriu LC**; Muresan M; Radu A; Brisc MC; Ghitea, TC, Exploring a New Pathophysiological Association in Acne Vulgaris and Metabolic Syndrome: The Role of Biogenic Amines and Glutathione Peroxidase, *MEDICINA-LITHUANIA*, Vol.60, Issue 3, DOI 10.3390/medicina60030513, 2024;
6. Bungau AF; Tit DM; Bungau SG; Vesa CM; Radu AF; Marin RC; Endres LM; **Moleriu LC**, Preconditioning Associated with Thyroid Disorders: Risk Assessment and Association with Acne Severity, *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, Vol. 25, Issue 2, DOI 10.3390/ijms25020721, 2024;
7. Plotuna IS; Balas M; Golu I ; Amzar D; Vlad A; **Moleriu LC**; Vlad M, The Experience of a Single Tertiary Center Regarding Benign and Malignant Tumors in Acromegalic Patients, *MEDICINA-LITHUANIA*, Vol. 59, Issue 6, DOI 10.3390/medicina59061148, 2023;
8. Samfireag M; Potre C ; Potre O; **Moleriu LC**; Petre I; Borsi E; Hoinoiu T; Preda M; Popoiu TA; Anghel A, Assessment of the Particularities of Thrombophilia in the Management of Pregnant Women in the Western Part of Romania, *MEDICINA-LITHUANIA*, Vol. 59, Issue 5, DOI 10.3390/medicina59050851, 2023;
9. Toma FR; **Moleriu LC** ; Porojan L, Micro-CT Marginal and Internal Fit Evaluation of CAD/CAM High-Performance Polymer Onlay Restorations, *POLYMERS*, Vol. 15, Issue 7, DOI 10.3390/polym15071715, 2023;

10. Marin RC ; Streinu-Cercel A; **Moleriu LC**; Bungau SG, Analysis of virological response to therapy and resistance profile in treatment-experienced and naive HIV-1 infected Romanian patients receiving regimens containing darunavir boosted with ritonavir or cobicistat, BIOMEDICINE & PHARMACOTHERAPY, Vol. 150, DOI 10.1016/j.biopha.2022.113077, 2022;
11. Toma FR; Birdeanu MI; Utu ID; Vasiliu RD; **Moleriu LC**; Porojan L, Surface Characteristics of High Translucent Multilayered Dental Zirconia Related to Aging, MATERIALS, Vol. 15, Issue 10, DOI 10.3390/ma15103606, 2022;
12. Cobec, IM ; Sas, I ; Moatar, AE ; **Moleriu, L** ; Rempen, A , Ovarian cancer health politics in Romania and Germany: A comparative study, EXPERIMENTAL AND THERAPEUTIC MEDICINE, Vol. 22, Issue 5, DOI 10.3892/etm.2021.10651, 2021;
13. Cobec IM; **Moleriu L**; Moatar AE; Rempen A, First clinical experience with CDK4/6 inhibitors in breast cancer therapy, EXPERIMENTAL AND THERAPEUTIC MEDICINE, Vol. 21, Issue 5, DOI 10.3892/etm.2021.9954, 2021;
14. Hussain N; Bungau S; Behl T; Sehgal A; Mahmood M; Manzoor S; Qayyum MA; Khan MI; **Moleriu LC**; Bilal M , Distribution of hepatitis C virus genotypes in Punjab region, Pakistan, based on a study of 4177 specimens, INFECTION GENETICS AND EVOLUTION, Vol. 91, DOI10.1016/j.meegid.2021.104811, 2021;
15. Turi V; Dragan S; Iurciuc M; **Moleriu L**; Bungau S; Tit DM; Toader DO; Diaconu CC; Behl T; Petre I , Arterial Function in Healthy Pregnant Women vs. Non-Pregnant Women-A 10-Year Study, DIAGNOSTICS, Vol. 10, Issue 6, DOI 10.3390/diagnostics10060374, 2020;
16. Putnoky S ; Banu AM; **Moleriu LC**; Putnoky S; Serban, DM ; Niculescu MD; Serban CL, Reliability and validity of a General Nutrition Knowledge Questionnaire for adults in a Romanian population, EUROPEAN JOURNAL OF CLINICAL NUTRITION, Vol. 74, Issue 11, DOI 10.1038/s41430-020-0616-5, 2020;
17. Ilea CDN ; Daina LG; Bungau S; Tit DM; Uivarosan D; **Moleriu L**; Petre I; Bungau C; Petre I, Sustainable Management, Instable Legislation Regarding Wages, and Employee Satisfaction/Motivation in Two Romanian Hospitals, SUSTAINABILITY, Vol.12, Issue 3, DOI 10.3390/su12030909, 2020;
18. Furau A; Craina ML; Furau C; Luca TC; Andor BC; Radu D; **Moleriu LC**; Bonte DC; Toader DO; Furau G, The Association of Body Mass Index and Ki67 Values in Patients with Endometrial Carcinoma, REVISTA DE CHIMIE, Vol. 70, Issue 9, 2019;
19. Uivarosan D; Tit DM; Iovan C; Nistor-Cseppento DC; Delia Carmen; Endres L; Lazar L ; Sava C; Sabau AM; Buhac C; **Moleriu LC**; Bungau S; Aleya L, Effects of combining modern recovery techniques with neurotrophic medication and standard treatment in stroke patients, SCIENCE OF THE TOTAL ENVIRONMENT, Vol. 679, DOI 10.1016/ j.scitotenv.2019.05.070, 2019;

20. Dumitru C ; Petre I ; Craina M; **Moleriu LC**; Suci N; Gobjila C; Pop E; Sisu A; Radu D; Oancea R, The Study of Placental Vascularization Using Type AGO II Plastic Substances, *MATERIALE PLASTICE*, Vol. 56, Issue 1, 2019;
21. Pirtea L ; Secosan C; Margan M; **Moleriu L**; Balint O ; Grigoras D; Sas I; Horhat F ; Jianu A; Ilina R, p16/Ki-67 dual staining has a better accuracy than human papillomavirus (HPV) testing in women with abnormal cytology under 30 years old, *BOSNIAN JOURNAL OF BASIC MEDICAL SCIENCES*, Vol. 19, Issue 4, DOI 10.17305/bjbms.2018.3560, 2019;
22. Dumitru C; Mladin NC; Craina M; Petre I; **Moleriu LC**; Bardan R; Bonte DC; Ungureanu E; Stefaniga SA; Susan R; Pop E; Suci N, Can be Considered the CA-125 and Neutrophil-to-lymphocyte Ratio Values as a Diagnostic Value in Ovarian Endometriosis?, *REVISTA DE CHIMIE*, Vol. 69, Issue 12, 2018;
23. Stelea L ; Chiriac VD ; Craina M ; Petre I ; Popa Z ; Vlaicu B ; Iacob D ; **Moleriu LC** ; Ivan MV; Pop E; Fulger L, Transvaginal Cystocele Repair Using Tension-free Polypropylene Mesh (Tension-free Vaginal Tape), *MATERIALE PLASTICE*, Vol. 55, Issue 2, 2018;
24. Ivan MV; Petre I ; Vlaicu B ; Apostol A; Tesloianu D ; Munteanu M ; Costachescu R ; **Moleriu LC** ; Fulger L, The Use of Pulse Wave Velocity in Predicting Pre-Eclampsia in High-Risk Women, *REVISTA DE CHIMIE*, Vol. 69, Issue 5, 2018;
25. Mladin NC ; **Moleriu LC**; Morariu S, Highlighting Considerations About Predisposing Factors In The Dynamics Of Ethanol Dependence Syndrome, *Medical-Surgical Journal-Revista Medico-Chirurgicala*, *REVISTA DE CHIMIE*, Vol. 122, Issue 1, 2018;
26. Ursoiu F; **Moleriu L**; Lungeanu D; Puschita M, The association between HIV clinical disease severity and psychiatric disorders as seen in Western Romania, *AIDS CARE-PSYCHOLOGICAL AND SOCIO-MEDICAL ASPECTS OF AIDS/HIV*, Vol. 30, Issue 11, DOI 10.1080/09540121.2018.1455959, 2018
27. Fulvia Ursoiu, **Lavinia Cristina Moleriu**, Diana Lungeanu, Maria Puschiță, “The association between HIV clinical disease severity and psychiatric disorders as seen in Western Romania” Published in *AIDS Care, Psychological and Socio-medical Aspects of AIDS/HIV*, <https://doi.org/10.1080/09540121.2018.1455959>, March **2018**;
28. Amelia Milulescu, Florin Dorneanu, Daniela Iacob, Dana Stoian, Izabella Petre, Veronica Daniela Chiriac, Roxana Margan, Ioana Ionita, Daniela Marti, **Lavinia Cristina Moleriu**, “Procalcitonina - Diagnostic Marker in Neonatal Sepsis”, Published in *Revista Materiale Plastice*, Vol. 54, Nr.4, pag. 752 – 753, December **2017**;
29. Diana Camelia Bonte, Olivera Iordache, Izabella Petre, Marius Craina, Veronica Daniela Chiriac, Dana Stoian, **Lavinia Cristina Moleriu**, Alina Sisu, „Macroscopic Examination of Placental Vascularization with a Corrosive, Agent in Pregnant Women Diagnosed with Thrombophilia”, Published in *Revista Materiale Plastice*, Vol. 54, Nr.4, pag. 678 – 681, December **2017**;

30. Mladin-Micoara Narcisa Carmen, Lungeanu Diana, Morariu Stelian Ioan, Ciacli Camelia Anisoara, **Lavinia Cristina Moleriu**, George, Stelea Lavinia, Ioana Ionita, Despina Calamar-Popovici, Puschita Maria, "Biomarkers in Diagnosing Preeclampsia and their Correlation with Blood Pressure", Published in Revista de Chimie Bucuresti, Vol.68, No. 10, pag. 2448 – 2451, **2017** ;
31. Ioana Golu, Mihaela Maria Vlad, Alis Dema., **Lavinia Cristina Moleriu**, Anca Tudor, Iacob M., Popa O., Marioara Corneanu, "The absence of CD56 expression can differentiate papillary thyroid carcinoma from other thyroid lesions", Published in Indian Journal Of Pathology and Microbiology, Vol 60, Nr.2, pag. 161 – 166, June **2017** ;
32. Ioana Golu, Ioan Sporea, **Lavinia Cristina Moleriu**, Anca Tudor, Marioara Corneanu, Adrian Vlad, Romulus Timar, Melania Balas, Daniela Amzar, Mihaela Vlad, "2D-Shear Wave Elastography in the Evaluation of Parathyroid Lesions in Patients with Hyperparathyroidism", Published in International Journal of Endocrinology, Volume **2017** , Article ID 9092120, 6 pages, <https://doi.org/10.1155/2017/9092120>;
33. **Lavinia Moleriu**, Laurențiu Pirtea, Adrian Ratiu, Marius Margan, Cristina Secosan, Razvan Ilina, Ioan Sas, Dorin Grigoraș, "HPV genotyping and p16/ki-67 dual staining in the detection on high grade cervical lesion in patients with LSIL on Pap smear" Published in Revista RJME (ROMANIAN JOURNAL of MORPHOLOGY and EMBRYOLOGY) Craiova, No.2 , Vol.58, pag. 433 – 437, **2017**;
34. **Lavinia Moleriu**, Călin Jianu, Gabriel Bujancă, Corina Mișcă, Ovidiu Călin Ilie, Adrian Cosmin Ilie „Essential oil of Hypericum perforatum: the chemical composition and antimicrobial activity”, Published in Revista de Chimie Bucuresti, Vol.68, No. 4, pag. 687-692, **2017**;
35. **Lavinia Moleriu**, Adina Octavia Dușe, Florin Borcan, Codruța Stoica, Ludovic Kurunczi, Mirela Nicolov, Marius Mioc, "Formulation and Characterization of Antibacterial Hydrogels Based on Polyurethane Microstructures and 1,2,4-Triazole Derivatives", Published in Revista Materiale Plastice, Vol. 54, No. 2, pag. 348–352, **2017**;
36. Laurențiu Pirtea, Dorin Grigoraș, Petru Matusz, Marilena Pirtea, **Lavinia Moleriu**, Anca Tudor, Răzvan Ilina, Cristina Secoșan, Florin Horhat and Octavian Mazilu "Age and HPV type as risk factors for HPV persistence after loop excision in patients with high grade cervical lesions: an observational study", Published in BMC Surgery, 6 octombrie **2016**, DOI 10.1186/s12893-016-0185-7 ;
37. Laurențiu Pirtea, Dorin Grigoraș, Petru Matusz, Marinela Pirtea, **Lavinia Moleriu**, Anca Tudor, Răzvan Ilina, Cristina Secoșan, Florin Horhat, Octavian Mazilu, "Human Papilloma Virus Persistence after Cone Excision in Women with Cervical High Grade Squamous Intraepithelial Lesion: A Prospective Study ", Published in Canadian Journal of Infectious Diseases and Medical Microbiology, Vol. 2016, Article ID 3076380, 6 pages, <http://dx.doi.org/10.1155/2016/3076380>, May **2016**;

38. Petre Preda, **Lavinia - Cristina Moatăr (Moleriu)**, Raluca Mureșan: "Admissibility and uniform dichotomy for evolution families" , Published in Semigroup Forum, August **2015**, Volume 91, Issue 1, pag. 224-237, doi: 1010007/s00233-014-9681-1;
39. Radu Dumitru Moleriu, Daniela Zaharie, **Lavinia Cristina Moatăr-Moleriu**, Alexandra Teodora Gruia, Ani Aurora Mic, Felix Aurel Mic: "Insights into the mechanisms of thymus involution and regeneration by modeling the glucocorticoid-induced perturbation of thymocyte populations dynamics", Published in Journal of Theoretical Biology, **2014** Jan 28;348C, pag. 80-99. doi: 10.1016/j.jtbi.2014.01.020;