

Lista lucrărilor științifice ale angajaților UTM indexate în Scopus și/sau Web of Science, inclusiv în reviste cu Factor de Impact (IF) în 2024 pentru care se stabilește spor lunar în 2025.

Nr.	Articole în reviste WoS/SCOPUS (UTM 2024)	FI
1.	NGUYEN, H.D., NGUYEN, Q.-H., DANG, D.K., VAN, C.P., TRUONG, Q.H., PHAM, S.D., BUI, Q.-T., PETRISOR, A.-I. A Novel Flood Risk Management Approach Based on Future Climate and Land Use Change Scenarios. În: Sci. Total Environ. 2024, Vol. 921, doi:10.1016/j.scitotenv.2024.171204.	8,20
2.	NGUYEN, V.G., SHARMA, P., BORA, B.J., BUI, T.M.T., EFREMOV, C., TRAN, M.H., KOWALSKI, J., OSMAN, S.M., CAO, D.N., DONG, V.H. Techno-Economic Analysis of a Hybrid Energy System for Electrification Using an off-Grid Solar/Biogas/Battery System Employing HOMER: A Case Study in Vietnam. În: Process Saf. Environ. Prot. 2024, Vol. 191, p. 1353–1367, doi:10.1016/j.psep.2024.09.046.	6,90
3.	ARUN, M., EFREMOV, C., NGUYEN, V.N., BARIK, D., SHARMA, P., BORA, B.J., KOWALSKI, J., LE, H.C., TRUONG, T.H., CAO, D.N. Fuzzy Logic-Supported Building Design for Low-Energy Consumption in Urban Environments. În: Case Stud. Therm. Eng. 2024, Vol. 64, doi:10.1016/j.csite.2024.105384.	6,40
4.	BULGARU, V., GUREV, A., BAERLE, A., DRAGANCEA, V., BALAN, G., COJOCARI, D., STURZA, R., SORAN, M.-L., GHENDOV-MOSANU, A. Phytochemical, Antimicrobial, and Antioxidant Activity of Different Extracts from Frozen, Freeze-Dried, and Oven-Dried Jostaberries Grown in Moldova. În: Antioxidants 2024, Vol. 13, doi:10.3390/antiox13080890.	6,00
5.	CHAKRABORTY, B., LITRA, D., MISHRA, A.K., LUPAN, C., NAGPAL, R., MISHRA, S., QIU, H., RAILEAN, S., LUPAN, O., DE LEEUW, N.H., ADELUNG, R., SIEBERT, L. Ultra-Selective Hydrogen Sensors Based on CuO - ZnO Hetero-Structures Grown by Surface Conversion. În: J Alloys Compd 2024, Vol. 1002, doi:10.1016/j.jallcom.2024.175385.	5,80
6.	NGUYEN, H.D., DANG, D.K., NGUYEN, Q.-H., PHAN-VAN, T., BUI, Q.-T., PETRISOR, A.-I., NGHIEM, S.V. Monitoring the Effects of Climate, Land Cover and Land Use Changes on Multi-Hazards in the Gianh River Watershed, Vietnam. În: Environ.Res.Lett. 2024, Vol. 19, doi:10.1088/1748-9326/ad7278.	5,80
7.	NAGPAL, R., LUPAN, C., BÎRNAZ, A., SEREACOV, A., GREVE, E., GRONENBERG, M., SIEBERT, L., ADELUNG, R., LUPAN, O. Multifunctional Three-in-One Sensor on t-ZnO for Ultraviolet and VOC Sensing for Bioengineering Applications. În: Biosensors 2024, Vol. 14, doi:10.3390/bios14060293.	4,90
8.	RUDI, L., CEPOI, L., CHIRIAC, T., DJUR, S., VALUTA, A., MISCU, V. Effects of Silver Nanoparticles on the Red Microalga Porphyridium Purpureum CNMN-AR-02, Cultivated on Two Nutrient Media. În: Mar. Drugs 2024, Vol. 22, doi:10.3390/md22050208.	4,90
9.	ABSIL, P.-A., COJUHARI, I., FIODOROV, I., TITS, A.L. Strong Versions of Impulsive Controllability and Sampled Observability. În: Automatica 2024, Vol. 169, doi:10.1016/j.automatica.2024.111865.	4,80
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11.	KRAVTSOVA, A., ZINICOVSCAIA, I., PESHKOVA, A., NEKHOROSHKOV, P., CEPOI, L., CHIRIAC, T., RUDI, L. Impact of Metal-Containing Industrial Effluents on Leafy Vegetables and Associated Human Health Risk. În: Foods 2024, Vol. 13, doi:10.3390/foods13213420.	4,70
12.	CHIORU, A., CHIRSANOVA, A., DABIJA, A., AVRĂMIA, I., BOIȘTEAN, A., CHETRARIU, A. Extraction Methods and Characterization of β -Glucans from Yeast Lees of Wines Produced Using Different Technologies. În: Foods 2024, Vol. 13, doi:10.3390/foods13243982.	4,70

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13.	COVALIOV, E., CAPCANARI, T., REȘITCA, V., CHIRSANOVA, A., BOIȘTEAN, A., STURZA, R., PATRAS, A., POCOL, C.B., RUSEVA, O., CHIORU, A. Exploring the Biological Value of Red Grape Skin: Its Incorporation and Impact on Yogurt Quality. În: Foods 2024, Vol. 13, doi:10.3390/foods13203254.	4,70
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15.	BATIRU, G., LÜBBERSTEDT, T. Polyploidy in Maize: From Evolution to Breeding. În: Theor. Appl. Genet. 2024, Vol. 137, doi:10.1007/s00122-024-04688-9.	4,40
16.	PESHKOVA, A., ZINICOVSCAIA, I., CEPOI, L., RUDI, L., CHIRIAC, T., YUSHIN, N., GANEA, L. Evaluation of the Effects of High Silver and Copper Nanoparticle Concentrations on Vaccinium Myrtillus L. under Field Conditions. În: Nanomaterials 2024, Vol. 14, doi:10.3390/nano14191545.	4,40
17.	PESHKOVA, A., ZINICOVSCAIA, I., CEPOI, L., RUDI, L., CHIRIAC, T., YUSHIN, N., ANH, T.T., MANH DUNG, H., CORCIMARU, S. Effects of Gold Nanoparticles on Mentha Spicata L., Soil Microbiota, and Human Health Risks: Impact of Exposure Routes. În: Nanomaterials 2024, Vol. 14, doi:10.3390/nano14110955.	4,40
18.	HORTOLOMEU, A., MIRILA, D.C., ROȘU, A.-M., NEDEFF, F.M., SCUTARU, I., URECHE, D., STURZA, R., FÎNARU, A.-L., NISTOR, I.D. Chemically Modified Clay Adsorbents Used in the Retention of Protein and Polyphenolic Compounds from Sauvignon Blanc White Wine. În: Nanomaterials 2024, Vol. 14, doi:10.3390/nano14070588.	4,40
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20.	SPRINCEAN, V., QIU, H., LUPAN, O., TJARDTS, T., PETERSEN, D., VEZIROGLU, S., ADELUNG, R., CARAMAN, M. Synthesis and Properties of β -Ga ₂ O ₃ Nanowires and Nanosheets on Doped GaS:Mn Substrates. În: Mater Sci Semicond Process 2024, Vol. 172, doi:10.1016/j.mssp.2023.108040.	4,20
21.	ZINICOVSCAIA, I., CEPOI, L., RUDI, L., CHIRIAC, T., GROZDOV, D. Evaluation of Holmium(III), Erbium(III), and Gadolinium(III) Accumulation by Cyanobacteria Arthrospira Platensis Using Neutron Activation Analysis and Elements' Effects on Biomass Quantity and Biochemical Composition. În: Microorg. 2024, Vol. 12, doi:10.3390/microorganisms12010122.	4,10
22.	CHALIGAVA, O., ZINICOVSCAIA, I., PESHKOVA, A., YUSHIN, N., FRONTASYEVA, M., VERGEL, K., NURKASSIMOVA, M., CEPOI, L. Major and Trace Airborne Elements and Ecological Risk Assessment: Georgia Moss Survey 2019–2023. În: Plants 2024, Vol. 13, doi:10.3390/plants13233298.	4,00
23.	CRISTEA, E., TIRON, A.V., RUSU, E.V., DOROGAN, A.V., ZALAMAI, V.V. Photoluminescence and Absorption of Emission by Phonons of Indirect Transitions in Layered GaS Single Crystals. În: Opt Mater 2024, Vol. 157, doi:10.1016/j.optmat.2024.116395.	3,80
24.	CIOBANU, V., GALATONOVA, T., BRANISTE, T., URBANEK, P., LEHMANN, S., HANULIKOVA, B., NIELSCH, K., KURITKA, I., SEDLARİK, V., TIGINYANU, I. Aero-TiO ₂ Three-Dimensional Nanoarchitecture for Photocatalytic Degradation of Tetracycline. În: Sci. Rep. 2024, Vol. 14, doi:10.1038/s41598-024-82574-6.	3,80
25.	LUPAN, O., BRINZA, M., PIEHL, J., ABABII, N., MAGARIU, N., ZIMOCHE, L., STRUNSKUS, T., PAUPORTE, T., ADELUNG, R., FAUPEL, F., SCHRÖDER, S. Influence of Silsesquioxane-Containing Ultra-Thin Polymer Films on Metal Oxide Gas Sensor Performance for the Tunable Detection of Biomarkers. În: Chemosensors 2024, Vol. 12, doi:10.3390/chemosensors12050076.	3,70
26.	SHARMA, N.K., AYYALA, R., DESHPANDE, D., PATEL, Y., MUNTEANU, V., CIORBA, D., BOSTAN, V., FISCUTEAN, A., VAHED, M., SARKAR, A., GUO, R., MOORE, A., DARCI-MAHER, N., NOGOY, N., ABEDALTHAGAFI, M., MANGUL, S. Analytical Code Sharing Practices in Biomedical Research. În: PeerJ Comput. Sci. 2024, Vol. 10, doi:10.7717/peerj-cs.2066.	3,50

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28.	LITRA, D., CHIRIAC, M., ABABII, N., LUPAN, O. Acetone Sensors Based on Al-Coated and Ni-Doped Copper Oxide Nanocrystalline Thin Films. În: <i>Sensors</i> 2024, Vol. 24, doi:10.3390/s24206550.	3,40
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30.	NGOSSAHA, J.M., NGOUNA, R.H., ARCHIMÉDE, B., NEGULESCU, M.-H., PETRIȘOR, A.-I. Toward Sustainable Urban Mobility: A Multidimensional Ontology-Based Framework for Assessment and Consensus Decision-Making Using DS-AHP. În: <i>Sustainability</i> 2024, Vol. 16, doi:10.3390/su16114458.	3,30
31.	TALPĂ, N., LOZAN, A., HĂLĂLIȘAN, A.-F., SFECLĂ, V., POPA, B. Enhancing Forest Conservation Efforts: Mapping of High Conservation Value Forests in the Republic of Moldova. În: <i>Sustainability</i> 2024, Vol. 16, doi:10.3390/su16166988.	3,30
32.	MARIAN, G., ALEXIOU IVANOVA, T., GUDÎMA, A., NAZAR, B., MALAI, L., MARIAN, T., PAVLENCO, A. Biomass Resources from Vineyard Residues for the Production of Densified Solid Biofuels in the Republic of Moldova. În: <i>Agronomy</i> 2024, Vol. 14, doi:10.3390/agronomy14102183.	3,30
33.	BRAN, E., RUGHINIȘ, R., ȚURCANU, D., RADOVICI, A. AI Leads, Cybersecurity Follows: Unveiling Research Priorities in Sustainable Development Goal-Relevant Technologies across Nations. În: <i>Sustainability</i> 2024, Vol. 16, doi:10.3390/su16208886.	3,30
34.	DOGARU, D., PETRISOR, A.-I., ANGEARU, C.-V., LUPU, L., BĂLTEANU, D. Land Governance and Fragmentation Patterns of Agricultural Land Use in Southern Romania during 1990–2020. În: <i>Land</i> 2024, Vol. 13, doi:10.3390/land13071084.	3,20
35.	DEBICHE, F., BENBOURAS, M.A., PETRISOR, A.-I., BABA ALI, L.M., LEGHOUCHI, A. Advancing Landslide Susceptibility Mapping in the Medea Region Using a Hybrid Metaheuristic ANFIS Approach. În: <i>Land</i> 2024, Vol. 13, doi:10.3390/land13060889.	3,20
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37.	CRISTEA, E., GHENDOV-MOSANU, A., PINTEA, A., STURZA, R., PATRAS, A. Color Stability and Antioxidant Capacity of Crataegus Monogyna Jacq. Berry Extract Influenced by Different Conditions. În: <i>Hortic.</i> 2024, Vol. 10, doi:10.3390/horticulturae10111184.	3,10
38.	NETREBA, N., SANDULACHI, E., MACARI, A., POPA, S., RIBINTEV, I., SANDU, I., BOESTEAN, O., DIANU, I. A Study on the Fruiting and Correlation between the Chemical Indicators and Antimicrobial Properties of Hippophae Rhamnoides L. În: <i>Hortic.</i> 2024, Vol. 10, doi:10.3390/horticulturae10020137.	3,10
39.	MONAICO, E.V., MORARI, V., BUIUCLI, S., ZALAMAI, V.V., URSAKI, V.V., TIGINYANU, I.M. Impact of Substrate upon Morphology, Luminescence, and Wettability of ZnMgO Layers Deposited by Spray Pyrolysis. În: <i>Coatings</i> 2024, Vol. 14, doi:10.3390/coatings14111395.	2,90
40.	NETREBA, N., SERGHEEVA, E., GUREV, A., DRAGANCEA, V., CODINĂ, G.G., STURZA, R., GHENDOV-MOSANU, A. The Influence of Pomace Powder of Musky Squash on the Characteristics of Foamy Confectionery Products during Storage. În: <i>Appl. Sci.</i> 2024, Vol. 14, doi:10.3390/app14156671.	2,80
41.	DEBELEAC, C.N., BURAGA, A., MIRON, D.S. Predictive Models for Correlation of Compaction Characteristics of Weakly Cohesive Soils. În: <i>Appl. Sci.</i> 2024, Vol. 14, doi:10.3390/app142411647.	2,80
42.	DÍAZ-SALDAÑA, G., CUREÑO-OSORNIO, J., ZAMUDIO-RAMÍREZ, I., OSORNIO-RÍOS, R.A., DUNAI, L., SAVA, L., ANTONINO-DAVIU, J.A. Methodology for the Detection of Contamination and Gradual Outer Race Faults in Bearings by Fusion of	2,80

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44.	BRAN, E., RUGHINIŞ, R., ȚURCANU, D., NADOLEANU, G. Technical Innovations and Social Implications: Mapping Global Research Focus in AI, Blockchain, Cybersecurity, and Privacy. În: Comput. 2024, Vol. 13, doi:10.3390/computers13100254.	2,60
45.	CUREÑO-OSORNIO, J., ALVAREZ-UGALDE, C.A., ZAMUDIO-RAMIREZ, I., OSORNIO-RIOS, R.A., DUNAI, L., TURCANU, D., ANTONINO-DAVIU, J.A. Start-Up and Steady-State Regimes Automatic Separation in Induction Motors by Means of Short-Time Statistics. În: Electronics (Switzerland) 2024, Vol. 13, doi:10.3390/electronics13193850.	2,60
46.	REVIN, L.S., PIMANOV, D.A., CHIGINEV, A.V., BLAGODATKIN, A.V., ZBROZHEK, V.O., SAMARTSEV, A.V., ORLOVA, A.N., MASTEROV, D.V., PARAFIN, A.E., SAFONOVA, V.Y., GORDEEVA, A.V., PANKRATOV, A.L., KUZMIN, L.S., SIDORENKO, A.S., MASI, S., DE BERNARDIS, P. Measurements of Dichroic Bow-Tie Antenna Arrays with Integrated Cold-Electron Bolometers Using YBCO Oscillators. În: Beilstein J. Nanotechnology 2024, Vol. 15, p. 26–36, doi:10.3762/bjnano.15.3.	2,60
47.	KAZARYAN, S.A., OGANIAN, S.A., VARDANYAN, G.S., SIDORENKO, A.S., HOVHANNISYAN, A.A. Liver-Targeting Iron Oxide Nanoparticles and Their Complexes with Plant Extracts for Biocompatibility. În: Beilstein J. Nanotechnology 2024, Vol. 15, p. 1593–1602, doi:10.3762/bjnano.15.125.	2,60
48.	URSAKI, V., BRANISTE, T., ZALAMAI, V., RUSU, E., CIOBANU, V., MORARI, V., PODGORNII, D., RICCI, P.C., ADELUNG, R., TIGINYANU, I. Aero-ZnS Prepared by Physical Vapor Transport on Three-Dimensional Networks of Sacrificial ZnO Microtetrapods. În: Beilstein J. Nanotechnology 2024, Vol. 15, p. 490–499, doi:10.3762/BJNANO.15.44.	2,60
49.	VERGEL, K., ZINICOVSCAIA, I., YUSHIN, N., CHALIGAVA, O., CEPOL, L., KRAVTSOVA, A. Moss Biomonitoring in the Evaluation of Air Pollution in the Tver Region, Russia. În: Atmosphere 2024, Vol. 15, doi:10.3390/atmos15101191.	2,50
50.	DEBELEAC, C.N., BURAGA, A., NASTAC, S.M. Experimental and Numerical Study in Dynamic Compaction of Weakly-Cohesive Soils. În: Appl. Sci. 2024, Vol. 14, doi:10.3390/app142210129.	2,50
51.	DANILESCU, O., BOUROSH, P., BULHAC, I., SHOVA, S., CH. KRAVTSOV, V., NICOLETA CARABA, M., VALERIU CARABA, I., POPESCU, R., CRISAN, M., HAIDU, D., KULIKOVA, O., COSTRIUCOVA, N.V., PETUHOV, O., CROITOR, L. Laminated Dihydrazone Zn(II) Coordination Polymer with Prospects for Sensory and Multifunctional Biomedical Applications. În: Polyhedron 2024, Vol. 258, doi:10.1016/j.poly.2024.117039.	2,40
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55.	BATIR, V., ZALAMAI, V. OPTICAL PROPERTIES OF Cu ₂ ZnSnS ₄ AND Cu ₂ CdSnS ₄ QUATERNARY COMPOUNDS. În: Rom. Rep. Phys. 2024, Vol. 76, doi:10.59277/RomRepPhys.2024.76.506.	2,10
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7	7. DULGHERU, V., SLOBODEANIUC, S. ASPECTS REGARDING OPTIMIZATION OF MECHANICAL CONTACT BETWEEN TEETH WITH NON-STANDARD PROFILE IN PRESSIONAL GEAR. În: ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 2024, Vol. 67, p. 1597–1604. https://atna-mam.utcluj.ro/index.php/Acta/article/view/2674/2094	0,10

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