Publicații ISI 2022 – 2025

An	Categorie/ Quartilă	Articol
2025	Q1	Domnariu H., Trippe K.M., Botez F., Partal E., Postolache C., ”Long-term impact of tillage on microbial communities of an Eastern European Chernozem”, SCIENTIFIC REPORTS, Volume 15, Issue 1, DOI10.1038/s41598-024-84590-y, WOS:001390118900002.
2025	Q2	Paltineanu C., Domnariu H., Mocanu V., Dumitru S., ”Assessing soils' health by using soil organic carbon (SOC) content, SOC/clay ratio and mean SOC reference values: a case study on Romanian mineral soils”, Journal of Agricultural Science, Volume 163, Issue 3, pp. 307-319, DOI10.1017/S0021859625000280, WOS:001493397600001.
2025	Q2	Paltineanu C., Mocanu V., Vizitiu O., Domnariu H., Dumitru S., ”Soil organic carbon to clay ratio and bulk density related to some basic soil variables in Romania”, Soil Use and Management, Volume 41, Issue 1, DOI10.1111/sum.70065, WOS:001454339200001.
2025	Q3	Anghel V.A., Dumitrascu M., Burtan L., Lungu M., Petcu V., ”The Main Physical and Chemical Characteristics of the Soil, Influenced by Conventional and Conservative Systems in Areas Susceptible to Aridification”, Romanian Agricultural Research, Volume 42, pp.141-150, DOI10.59665/rar4212, WOS:001422890600003.
2025	Q3	Marin N., Calciu I.C., Partal E., ”Soil health assessment under the conditions of practicing the conservative farming system”, Romanian Agricultural Research, Volume 42, pp. 293-302, DOI10.59665/rar4225, WOS:001429337900007.
2025	Q3	Oprea B.S., Motelica D.M., Vrînceanu N.O., Carabulea V., Plopeanu G.I., Costea M., ”Bioaccumulation of cadmium, lead, zinc and copper in red fescue (*Festuca rubra* L.) grown in polluted meadows in Copşa Mică”, Scientific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, Volume 14, pp. 368-376, WOS:001692506600028.
2025	Q3	Sandu M.A., Preda M., Tanase V., Mihailescu D., Virsta A., Ivanescu V., ”Trends in Polychlorinated Biphenyl Contamination in Bucharest's Urban Soils: A Two-Decade Perspective (2002-2022)”, PROCESSES, Volume 13, Issue 5, DOI10.3390/pr13051357, WOS:001496316000001.
2025	Q4	Costea M., Vrinceanu N.O., Motelica D.M., Tanase V., Sandu M.A., Ciontu C., ”A comparative study of the bentonites and natural zeolites capacities to reduce the bioavailability of heavy metals in a contaminated soil”, Scientific Papers-Series A-Agronomy, Volume 68, Issue 1, pp. 65-72, WOS:001598862000007.
2025	Q4	Costea M., Vrînceanu N.O., Motelica D.M., Paraschiv (Jafri) F., Ciontu C., ”The assessment of heavy metal bioaccumulation in pepper plants (*Capsicum annuum*) cultivated in green-house conditions, using contaminated soils from the industrial area of Copsa Mică”, Scientific

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2025	Q4	Leonte A., Isticioaia SF., Pintilie A.S., Popa L.D., Stanciu D., Pintilie P.L., Drutu A.C., Vrinceanu N., ”Research on the impact of nitrogen and phosphorus fertilizers on winter wheat yield and quality under the pedoclimatic conditions of Central Moldova”, Scientific Papers-Series A-Agronomy, Volume 68, Issue 1, pp. 465-470, WOS:001598862000055.
2025	Q4	Matei GM., Matei S., Urechescu L.L., Draghici E.M., ”Differences in microbial diversity and community structure among two vermicompost granulations”, Scientific Papers-Series B-Horticulture, Volume 69, Issue 2, pp. 841-852, WOS:001665467600038.
2025	Q4	Matei S., Matei G.M., Dumitru S., Mocanu V., Dumitrascu M., ”Carbon stabilization and sequestration processes in soil through synthetic microbiomes”, Scientific Papers-Series B-Horticulture, Volume 69, Issue 2, WOS:001603564300099.
2025	Q4	Paraschiv (Jafri) F., Boiu-Sicuia O.A., Iacomi B.M., ”The inhibitory effect of lavender compost extracts on various pathogens”, Scientific Papers-Series A-Agronomy, Volume 68, Issue 2, pp. 1016-1026, WOS:001665724300044.
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2025	Q4	Paltineanu C., Mocanu V., Dumitru S., Domnariu H., ”Soil functions depending on soil indicators in various environments and land uses - A case study of Romania”, Carpathian Journal of Earth and Environmental Sciences, Volume 20, Issue 1, pp. 27-46, DOI10.26471/cjees/2025/020/311, WOS:001439483100003
2025	Q4	Plopeanu G., Vrînceanu N., Rozsnyai M, Carabulea V., Oprea B., Costea M., Motelica D.M., ”Correlation between heavy metals in soil and *Lotus corniculatus* in a study achieved in Copsa Mică”, Scientific Papers-Series A-Agronomy, Volume 68, Issue 2, pp. 160-165, WOS:001665724300012.
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2024	Q1	Domnariu H., Reardon Catherine L., Manning Viola A., Gollany H.T., Trippe Kristin M., ”Legume cover cropping and nitrogen fertilization influence soil prokaryotes and increase carbon content in dryland wheat systems”, Agriculture Ecosystems & Environment, Volume 367, 2024, Article Number 108959, WOS:001210262500001.
2024	Q1	Păltineanu C., Dumitru Sorina, Vizitiu Olga, Mocanu Victoria, Lăcătușu Anca-Rovena, Ion, Stelian, Domnariu H., ”Soil organic carbon and total nitrogen stocks related to land use and basic environmental properties - assessment of soil carbon sequestration potential in different ecosystems”, Catena, Volume 246, 2024, Article Number 108435, WOS:001333989900001.
2024	Q2	Dumitru S., Păltineanu C., Vizitiu O., Domnariu H., ”Soil available phosphorous and potassium stocks related to environmental properties, land uses and soils”, Journal of Agricultural Science, 162(3), 2024, pp. 201-214, WOS:001348175300001.
2024	Q2	Lacatusu A.R., Domnariu H., Paltineanu C., Dumitru S., Vrîceanu A., Moraru I., Anghel A., Marica D., ” Influence of some environmental variables on organic carbon and nitrogen stocks in grassland mineral soils from various temperate-climate ecosystems”, Environmental and Experimental Botany, 217, 2024, Article Number 105554, WOS:001111892100001.
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2024	Q3	Carabulea V., Motelică D.M., Vrînceanu N.O., Plopeanu G., Oprea B.Ș., Costea M., Luchian V., ”Accumulation of heavy metals in *Dactylis glomerata* L. plants in correlation with soil in permanent meadows in the Copsa Mică area of Romania”, Scientific Papers-Series E-land Reclamation Earth Observation & Surveying Environmental Engineering, 13, 2024, pp. 684-691, WOS:001411932900048.
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2024	Q3	Lungu M., Lăcătușu R., Vrînceanu A., Lazăr, R., Calciu I., ”Soil and sludge samples chemical properties and vegetation mineral composition monitorization on the Iasi sewage treatment-plant ponds precinct (Tomesti)”, Scientific Papers-Series E-land Reclamation Earth Observation & Surveying Environmental Engineering, 13, 2024, pp. 712-718, WOS:001335679300004.
2024	Q3	Matei G.M., Matei S., Dumitrașcu M., Burtan L., Anghel V.A., Petcu V., ”The effect of conventional and conservative tillage systems on microbial community composition and physiological activity in soils

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		from Baragan Plain", Romanian Agricultural Research, 41, 2024, pp. 413-428, WOS:001335753100011.
2024	Q3	Oprea B.S., Vrînceanu N.O., Carabulea V., Motelică D.M., Costea M., Plopeanu G.I., "Soil heavy metals content variation depending on the distance from pollution source and uptake by the Trifolium pratense L. species harvested from Copsa Mică area, Central Romania", Scientific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, 13, 2024, pp. 719-726, WOS:001335679300005.
2024	Q3	Oroian F.C., Odagiu A., Vizitiu O., "What carbon storage farming activities adopted by farmers? A survey from the North-Western region of Romania", Agrolife Scientific Journal, 13(2), 2024, pp. 192-199, WOS:001391256600017.
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2024	Q3	Raducu D., Lacatusu A.R., Calciu C.I., Gherghina C.A., Manea A., Vizitiu O., "Biota functionality in providing ecosystem services in a highly sensitive mountain soil environment", Present Environment and Sustainable Development, 18(1), 2024, pp. 255-264, WOS: WOS:001293169100018.
2024	Q3	Saftoiu G.V., Constantin C., Nicoara A.I., Pelin G., Ficai D., Ficai A., "Glass Fibre-Reinforced Composite Materials Used in the Aeronautical Transport Sector: A Critical Circular Economy Point of View", Sustainability, 16(11), 2024, Article Number 4632, WOS:001246774800001.
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2024	Q4	Bălănică-Dragomir M.C., Cioromele G.A., Axinti N., Voicu V., "The consequences of the use of fertilizers on the production of the main cultivated plants, in the South-East Region, Romania", Scientific Papers-Series A-Agronomy, 67(2), 2024, pp. 197-203, WOS:001369756100026.
2024	Q4	Burcea M., Oltenacu V.C., Burcea C.A., Oltenacu N., "Study on the influence of organic manure on soil fertility", Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development, 24(4), 2024, pp. 115-120, WOS:001436601400007.
2024	Q4	Costea M., Motelică D.M., Vrînceanu N.O., Sandu M.A., Ciontu C., "Application of amendments obtained through processing limestones for the immobilization of heavy metals in contaminated soils", Scientific Papers-Series A-Agronomy, 68(1), 2024, pp. 48-56, WOS:001305979800005.

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2024	Q4	Grafu A.I., Creangă I., Lungu M., ”Soil acidity and exchangeable aluminium in soil of the high Pitesti Plain, Arges County, Romania”, Scientific Papers-Series A-Agronomy, 68(1), 2024, pp. 107-112, WOS:001305979800012.
2024	Q4	Ignat G.A., Dușa M., Vrînceanu N., Staicu M.M., ”The effect of the use of compost as a fertilizer material for the crop of lettuce (*Lactuca sativa L.*)”, Scientific Papers-Series A-Agronomy, 67(2), 2024, pp. 201-508, WOS:001369756100067.
2024	Q4	Isticioaia S.F., Leonte A., Gheorghe M., Popa L.D., Carabulea V., Pintilie P.L., Enea A., Pintilie A.S., Vlăduț V., Nenciu F., ”The economic efficiency of some cereals under the influence of climate changes in the central area of Moldova, Romania”, Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development, 24(1), 2024, pp. 501-510, WOS:001229070600091.
2024	Q4	Manu M., Nicoară R.G., Chiriac (Mihai) L.S., Lăcătușu A.R., Onete M., ”Structural characteristics of the predatory mite populations (Acari: Mesostigmata) at local scale from two types of grassland ecosystems in the Fagaraș Mountains -Romania”, Scientific Papers-Series D-Animal Science, 67(1), 2024, pp. 722-728, WOS:001304632500088.
2024	Q4	Matei G.M., Matei S., ”The influence of tomato root exudates on structure and diversity of rhizosphere communities of bacteria and fungi”, Scientific Papers-Series B-Horticulture, 68(1), 2024, pp. 824-835, WOS:001368682800102.
2024	Q4	Matei S., Matei G.M., Dumitru S., Mocanu V., ”The influence of the synthetic microbiomes on the characteristics of biodiversity and carbon sequestration in the soil”, Scientific Papers-Series B-Horticulture, 68(1), 2024, pp. 836-847, WOS:001368682800103.
2024	Q4	Musat M., Madjar R., Burtan L., Nițu A., ”Pedological and agrochemical study on the area in Perisoru area, Calarasi County”, Scientific Papers-Series A-Agronomy, 67(2), 2024, pp. 44-50, WOS:001369756100005.
2024	Q4	Paraschiv (Jafri) F., Dușa E.M., Vrînceanu N.O., Stan V., ”Compost quality and nitrogen mineralization dynamics during the maturity stage of lavender waste compost”, Scientific Papers-Series A-Agronomy, Scientific Papers-Series A-Agronomy, 67(2), 2024, pp. 570-578, WOS:001369756100075.
2024	Q4	Raducu D., Calciu I.C., Gherghina A.C., Manea A., Vizitiu O., Lăcătușu A.R., ”The impure clay coatings as important pedofeatures of the phaeozem fertility bearing”, Scientific Papers-Series A-Agronomy, 68(1), 2024, pp. 197-202, WOS:001305979800024.
2024	Q4	Raducu D., Calciu I.C., Vizitiu O., Gherghina A.C., Manea A., Lăcătușu A.R., ”The calcium carbonate evolution influencing the phisico-chemical characteristics of the long term irrigated chernozems and their classification”, Scientific Papers-Series A-Agronomy, 67(2), 2024, pp. 88-93, WOS:001369756100010.

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2023	Q1	Constantin C., Ștefan D.S., Manea-Saghin A.M., Menghea I., ”Innovative collagen based biopolymers tested as fertilizers for poor soils amendment”, Polymers, 15(9), 2023, Article Number 2085, WOS:000987405900001.
2023	Q1	Dusa E.M., Stan V., Vrinceanu N., Mihalache M., Vasile M., Sicuia O., Voaides C., ”Soil chemical properties and microbial behavior under short-term organic and mineral fertilization within different crops”, Agronomy-Basel, 13(11), 2023, Article Number 2837, WOS:001107960500001.
2023	Q1	Lacatusu A.R., Domnariu H. Paltineanu C., Dumitru S., Vrîceanu A., Moraru I., Anghel A., Marica D., ”Influence of some environmental variables on organic carbon and nitrogen stocks in grassland mineral soils from various temperate-climate ecosystems”, Environmental and Experimental Botany, 217, 2023, Article Number 105554, WOS:001111892100001.
2023	Q1	Sirbu C.E., Desliu-Avram M., Cioroianu T.M., Constantinescu-Aruxandei D., Oancea F., ”High-temperature influences plant bio-stimulant-like effects of the combination particle film-forming materials-foliar fertilizers on apple trees”, Agriculture-Basel, 13(1), 2023, Article Number 178, WOS:000916808700001.
2023	Q2	Bancila R.I., Cogalniceanu D., Manu M., Plaiasu R., Stanescu F., Memedemin D., Skolka M., Tofan L., Lacatusu A., ”A multi-community approach in biodiversity assessment of a peat bog in the Southern Carpathians (Romania) and implications for conservation”, Environmental Entomology, 52(2), 2023, pp. 217-229, WOS:000936410100001, https://academic.oup.com/ee/article-abstract/52/2/217/7051176?redirectedFrom=fulltext&login=false
2023	Q2	Mateu M.G., Domnariu H., Moore A.D., Trippe K.M., ”Soil health, microbial communities, and annual ryegrass yield under contrasting management practices”, Agronomy Journal, 116(1), 2023, pp. 380-393, WOS:001091545500001, https://acsess.onlinelibrary.wiley.com/doi/10.1002/agj2.21484
2023	Q2	Sandu M.A., Madjar R.M., Preda M., Virsta A., Stavrescu-Bedivan M.M., Scaeteanu G.V., ”Assessment of water quality and parasitofauna, and a biometric analysis of the prussian carp of the Romanian Lentic Ecosystem in Moara Domneasca, Ilfov County”, Water, 15 (22), 2023, Article Number 3978, WOS:001119886400001, https://www.mdpi.com/2073-4441/15/22/3978
2023	Q3	Burtan L., Coronado M., Sirbu C., Ciornei L., Todirica I.C., Strateanu A.G., Popa M., ”Various soil quality parameters and humus content evolution in conventional and minimum tillage systems”. Romanian Agricultural Research, Volume 40, 2023, pp. 491-500, WOS:001012838900013.

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2023	Q3	Calciu I., Manea A., Mocanu V., Vizitiu O., Dumitru S., ”Joining the Geographic Information System of soil resources (SIGSTAR-200) with soil profiles information from the national network for soil quality monitoring 8 km x 8 km”, AgroLife Scientific Journal, 12(1), 2023, pp. 28–33, https://doi.org/10.17930/AGL202314, WOS:001025664100004.
2023	Q3	Chiurciu I.A., Dana D., Voicu V., Cofas E., Chereji A.I., Budau R., ”Management of risks for wheat contamination with Fusarium graminearum”, Romanian Agricultural Research, Volume 40, 2023, pp. 549-555, WOS:001012838900019.
2023	Q3	Matei G.M., Matei S., Dumitrascu M., Mocanu V., ”Assessing characteristics of microbial communities in soils from high natural value agricultural systems from Caras-Severin County”, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, XII, 2023, pp. 522-529, WOS:001112288100058.
2023	Q3	Paltineanu C., Chitu E., ”Soil-water excess determines land favorability for some apple and plum tree cultivars grafted on low-vigor rootstocks”, Erwerbs-Obstbau, 55(5), 2023, pp. 1393-1402, WOS:000977130700001.
2023	Q4	Cioroianu T., Sirbu C., Mihalache D., ”Biochar – a product with valuable applications”. Scientific Papers-Series A-Agronomy, 66(1), 2023, pp. 665-676, WOS:001112923300083.
2023	Q4	Ignat G.A., Duşa M., Vrînceanu N., ”Biowaste compost – an alternative source of nutrients for agricultural crops”, Scientific Papers-Series A-Agronomy, 66(1), 2023, pp. 726-732, WOS:001112923300068.
2023	Q4	Manu M., Lacatusu A., Bodescu F., Nicoara R., Chiriac L.S., Onete M., ”Are habitats with Campanula romanica Săvul. preferred by the soil fauna?”, Scientific Papers-Series D-Animal Science, 66(1), 2023, pp. 105-112, WOS:001108903600076.
2023	Q4	Marin N., Kurtinetz P., Sîrbu C., Ursan P., Burtan L., ”The effects of the application of organic and mineral fertilizers in long-term experiments”, Scientific Papers-Series A-Agronomy, 66(1), 2023, pp. 116-123, WOS:001112923300022.
2023	Q4	Matei G.M., Matei S., Cogalniceanu G., ”Mycosynthesis of silver nanoparticles by Aspergillus flavus: characterization and antifungal activity”, Digest Journal Of Nanomaterials And Biostructures, 18(1), 2023, pp. 411-421, WOS:001015497300037.
2023	Q4	Matei G.M., Matei S., Enache F., Draghici E.M., ”The influence of quantum structured water on microbial diversity in rhizosphere of tomato and assessment of biological quality of plants by image-forming methods”, Scientific Papers. Series B, Horticulture, 67(1), 2023, pp. 791-798, WOS:001108672900092.
2023	Q4	Matei S., Matei G.M., ”Enhancing soil suppressiveness with conjugants realized between microbial siderophores and a fulvic acid fraction”,

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		Scientific Papers. Series B, Horticulture, 67(1), 2023, pp. 799-810, WOS:001108672900055.
2023	Q4	Matei S., Matei G.M., Dumitru S., Mocanu V., ”Soil respiration as microbial response to the endogen input of bio-synthesized organic matter and its implication in carbon sequestration”, Carpathian Journal of Earth and Environmental Sciences, 18(1), 2023, pp. 51-64, WOS:000955682500005.
2023	Q4	Mocanu V., Dumitru S., Paltineanu C., Domnariu H., ”Dynamics of soil organic carbon after more than 25 years of farming in the Danube Delta”, Carpathian Journal of Earth and Environmental Sciences, 18(1), 2023, pp. 5-14, WOS:000955682500001.
2023	Q4	Moraru I.R., Vrînceanu A., Lungu M., Lăcătușu A.R., ”Biofortification of maize with zinc”, Scientific Papers-Series A-Agronomy, 66(1), 2023, pp. 124-130, WOS:001112923300055.
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2022	Q2	Chiurciu Irina-Adriana, Dana Daniela, Chereji Aurelia-Ioana, Chereji Ioan Jr., Voicu Valentina, Firațoiu Andreea-Roxana Firat, ”Research on soil and nutrient losses through liquid runoff, in order to mitigate the climate risks to which Romania is exposed, in the context of CAP”, EARTH, Volume 3, Issue 2, 2022, pp. 639–651, WOS:001109256100001.
2022	Q2	Constantin C., Popescu (Hostuc) I.C., Oprea O., Stoica L., 2022, ”U(VI) removal from diluted aqueous systems by sorption-flotation”, Scientific Reports, 12(1), 2022, Article Number16951, WOS:000865806900016.
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		Using Soil-Improving Cropping Systems", Land, 11(2), 2022, Article number 223, WOS:000775767500001.
2022	Q3	Matei G.M., Matei S., Dumitrașcu M., "Microbial diversity in soils from high natural value agricultural systems with pastures and natural meadow in Suceava County", Scientific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, 11, 2022, pp. 222-229, WOS:000931961700025.
2022	Q3	Matei S., Matei G.M., Drăghici E.M., "Biotransformation of expanded perlite in organic-like substrate by chemotrophic consortia", Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, 11, 2022, pp. 463-474, WOS:000931961700058.
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2022	Q3	Marin N., Negrilă M., "The influence of long-term fertilization with nitrogen and phosphorus on the NPK content in soil", Agrolife Scientific Journal, 11(1), 2022, pp. 121-128, WOS:000820323400044.
2022	Q3	Moraru I.R., Lungu M., Vrînceanu A., Anghel A., Lăcătușu A.R., "Risk assessment on zinc deficiency in maize crops in southeastern part of Romania", Present Environment and Sustainable Development, 16(2), 2022, pp. 147-157, WOS:000919350600004.
2022	Q3	Petcu V., Ciornei L., Simion S.P., Gradila M., Burtan L., Partal E., "Cover crops from triticale and peas cultivated in pure stands and mixtures - soil and weed suppression benefits", Romanian Agricultural Research, 39, 2022, pp. 337-343, WOS:000797195000037.
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