

Lucrări științifice (selecție):

- Iuliana Motrescu, Constantin Lungoci, Tincuta Marta Gocan, Anca Elena Calistru, Cristina Mihaela Rimbu, Camelia Elena Luchian, Emilian Bulgariu, Mihai Alexandru Ciolan and Gerard Jitareanu (coordonator), 2024 - *Non-Thermal Plasma (NTP) Treatment of Alfalfa Seeds in Different Voltage Conditions Leads to Both Positive and Inhibitory Outcomes Related to Sprout Growth and Nutraceutical Properties*. Plants 2024, 13, 1140. <https://doi.org/10.3390/plants13081140>, Factor de impact: 4.5 (2022); 5-Year Impact Factor: 4.8 (2022)
- Motrescu I., Lungoci C., Ciolan M. A., Jițăreanu G. (coordonator), 2024 - *Non-thermal plasma (NTP) treatment of Trigonella foenum-graecum L. seeds stimulates the sprout growth and the production of nutraceutical compounds*. BMC Plant Biology, 24(1), 33. DOI10.1186/s12870-023-04710-0. Factor de impact (2021): 5,3 (zona Q1- zona roșie). Accession Number WOS: 001137119900001
- Stoleru V., Mangalagiu I., Amăriucăi-Mantu D., Teliban G. C., Cojocaru A., Rusu O. R., Jițăreanu G. (coordonator), 2023 - *Enhancing the nutritional value of sweet pepper through sustainable fertilization management*. Frontiers in Nutrition, 10, 1264999. DOI10.3389/fnut.2023.1264999. Factor de impact (2022): 5,0 (zona Q2- zona galbena). Accession Number WOS: 001127288700001
- Motrescu I., Ciolan M. A., Calistru A. E., Jițăreanu G. (coordonator), 2023 - *Germination and growth improvement of some micro-greens under the influence of reactive species produced in a non-thermal plasma (NTP)*. Agronomy, 13(1), 150. Factor de impact (2022): 3,7 (zona Q1- zona roșie). Accession Number WOS: 000916524300001
- Cara IG, Țopa D, Puiu I, Jițăreanu G. (coordonator), 2022 - *Biochar a Promising Strategy for Pesticide-Contaminated Soils*. Agriculture, 12 (10), 1579. <https://doi.org/10.3390/agriculture12101579>, eISSN 2077-0472. Factor de impact (2022): 3,6 (zona Q1- zona roșie). Accession Number WOS: 000874171300001
- Stoleru V., Jacobsen S.E., Vitanescu M., Jițăreanu G., Butnariu M., Munteanu N., Stan T., Teliban G. C., Cojocaru A., Mihalache G., 2022 - *Nutritional and antinutritional compounds in leaves of quinoa*. Food bioscience, 45, 101494, DOI 10.1016/j.fbio.2021.101494, eISSN: 2212-4306. Factor de impact (2021): 5,318 (zona Q1- zona roșie). Accession Number WOS: 000730423200004
- Cara I.G., Filip M., Bulgariu L., Raus L., Topa D., Jițăreanu G. (coordonator), 2021- *Environmental Remediation of Metribuzin Herbicide by Mesoporous Carbon-Rich from Wheat Straw*. Applied Sciences-Basel, 11(11), 4935, DOI 10.3390/app11114935. eISSN 2076-3417. Factor de impact (2021): 2,838 (zona Q2- zona galbenă). Accession Number WOS: 000659600400001
- Cara I.G., Topa D., Raus L., Calistru A.E., Filipov F., Jițăreanu G. (coordonator), 2021 – *Selective and Sensitive Quantification of Acetochlor and S-Metolachlor in Maize and Soybean Plant Samples by Gas Chromatography - Tandem Mass Spectrometry*. Agriculture, 11 (4), 283, DOI 10.3390/agriculture11040283, eISSN 2077-0472. Factor

de impact (2021): 3,408 (zona Q1- zona roșie). Accession Number WOS:000642620800001

- Topa D., Cara I.G., Jităreanu G. (coordonator), 2021 - *Long term impact of different tillage systems on carbon pools and stocks, soil bulk density, aggregation and nutrients: A field meta-analysis*. Catena, 199, 105102. DOI10.1016/j.catena.2020.105102. eISSN 1872-6887. Factor de impact (2021): 6,367 (zona Q1- zona roșie). Accession Number WOS:000608022600018
- Cara I.G., Topa D., Calistru A.E., Bulgariu L., Motrescu I., Jităreanu G. (coordonator), 2020 - *Agri-Wastes as a Low-Cost Adsorbent for Nicosulfuron Herbicide*. Environmental Engineering and Management Journal, 19(2): 335-343. eISSN: 1843-3707. Factor de impact (2020): 1,186 (zona Q4). Accession Number WOS: 000531733600015
- Burtan L., Topa D., Jităreanu G., Calistru A.E., Raus L., Cara I.G., Sirbu C., Cioroianu, 2020 - *The Influence of Conservative Tillage Systems on Physico-Chemical Properties And Yield Under a Cambic Chernozem From Northeastern Part of Romania*. Romanian Agricultural Research, 37:141-149, ISSN 1222-4227. Factor de impact (2020): 0,500 (zona Q4). Accession Number WOS: 000640525700018
- Ciobanita MM, Jităreanu G, Andriescu P, Gherasim PM, Filip M, Ailincăi C, 2020 - *The Effects of Strip Cropping Systems on Physico-Chemical Properties of Soil in the Moldavian Plain*. 18th International Conference on Global Research and Education Inter-Academia, Hungary; Engineering For Sustainable Future. Book Series Lecture Notes in Networks and Systems. Volume 101, Page 3-18. DOI 10.1007/978-3-030-36841-8_1, ISSN 2367-3370, eISSN 2367-3389. Accession Number WOS: 000656863600001
- Motrescu I, Calistru AE, Jităreanu G, Miron LD, 2020 - *Monitoring the Environmental Quality of Marine Waters Through the Analysis of Biomineralization in Bivalve Shells*. 18th International Conference on Global Research and Education Inter-Academia, Hungary; Engineering For Sustainable Future. Book Series Lecture Notes in Networks and Systems, Volume 101, Page 269-277. DOI 10.1007/978-3-030-36841-8_26, ISSN 2367-3370. eISSN 2367-3389. Accession Number WOS: 000656863600026
- Motrescu I, Filip M, Herciu FP, Jităreanu G. (coordonator), 2020 - *Utilization of Atmospheric Plasmas for Agricultural Applications*. 18th International Conference on Global Research and Education Inter-Academia, Hungary; Engineering For Sustainable Future. Volume 101, Page 278-287. DOI 10.1007/978-3-030-36841-8_27, ISSN 2367-3370. eISSN 2367-3389. Accession Number WOS: 000656863600027
- Cara IG, Topa D, Jitareanu G. (coordonator), 2019 - *Assessment of Biochar Derived Agri-Waste on the Sorption of Metribuzin Pesticide*. Proceedings Of The International Scientific Congress - Life Sciences, A Challenge For The Future, Romania; pag 33-37. ISBN 978-88-85813-63-2. Accession Number WOS:000747623800004
- Cuconoiu C, Topa D, Calistru AE, Jitareanu G. (coordonator), 2019 - *Soil Properties Analysed Under Different Tillage Systems at Ezareni Research Station*. Proceedings Of

The International Scientific Congress - Life Sciences, A Challenge For The Future, Romania; pag 55-59. ISBN 978-88-85813-63-2, Accession Number WOS: 000747623800008

- Filipov F, Mihai A, Calistru AE, Jitareanu G. (coordonator), 2019 - *Sodisation and Alkalinisation of Soils Developed on Saline Deposits from Slope Land of Bejeneasa Farm-Cotnari*. Proceedings Of The International Scientific Congress - Life Sciences, A Challenge For The Future, Romania; pag 60-63. ISBN 978-88-85813-63-2. Accession Number WOS: 000747623800009
- Topa D, Ailincăi C, Cara IG, Calistru AE, Cuconoiu C, Capsuna S, Jitareanu G. (coordonator), 2019 - *Effects of Conservative Tillage on Soil Quality and Crop Productivity in Moldavian Plateau*. Proceedings Of The International Scientific Congress - Life Sciences, A Challenge For The Future, Romania; pag 140-145. ISBN 978-88-85813-63-2. Accession Number WOS: 000747623800023
- Rusu BG, Postolache V, Cara IG, Pohoata V, Mihaila I, Topala I, Jitareanu G. (coordonator), 2018 - *Method of Fungal Wheat Seeds Disease Inhibition Using Direct Exposure to Air Cold Plasma*. Romanian Journal of Physics, 63(7-8), 905. ISSN 1221-146X. Factor de impact (2018): 1,460 (zona Q3- zona gri). Accession Number WOS: 000444838700013
- Cara IG, Rusu GB, Raus L, Jitareanu G. (coordonator), 2017 - *Sorption potential of alkaline treated straw and a soil for sulfonylurea herbicide removal from aqueous solutions: An environmental management strategy*. Chemosphere, 186:360-366, DOI10.1016/j.chemosphere.2017.07.140. eISSN: 1879-1298. Factor de impact (2017): 5,08 (zona Q1- zona roșie). Accession Number WOS: 000411846900042
- Cara IG, Lipsa FD, Cara MS, Burtan L, Topa D, Jităreanu G. (coordonator), 2017 – *Dissipation of acetochlor and residue analysis in maize and soil under field conditions*. Agrolife Scientific Journal, 6(1):48-55, ISSN: 2285-5718, eISSN: 2286-0126. Accession Number - WOS:000404437800006
- Galeș DC, Trincă LC, Cazacu A, Peptu CA, Jităreanu G. (coordonator), 2016 - *Effects of a hydrogel on the cambic chernozem soil's hydrophysic indicators and plant morphophysiological parameters*. Geoderma, 267:102–111. DOI 10.1016/j.geoderma.2015.12.008, eISSN: 1872-6259. Factor de impact (2016): 4,036 (zona Q1- zona roșie). Accession Number WOS: 000369473100012
- Răus L, Jităreanu G, Ailincăi C, Pârvan L, Țopa D, 2016 - *Impact of different soil tillage systems and organo-mineral fertilization on physical properties of the soil and on crops yield in pedoclimatical conditions of Moldavian Plateau*. Romanian Agricultural Research, 33:111-123. Print ISSN 1222-4227. Factor de impact (2016): 0,410 (zona Q4). Accession Number WOS: 000387093600013
- Calistru AE, Țopa D, Rostek J, Uteau Puschmann D, Peth S, Horn R, Jităreanu G. (coordonator), 2016 - *Soil physical properties and winter wheat yield as affected by different tillage systems*. Journal of Environmental Protection and Ecology, 17(3):978-

- 989, ISSN 1311-5065. Factor de impact (2016): 0,774 (zona Q4). Accession Number WOS: 000385910400017
- Cara IG, Trincă LC, Trofin AE, Cazacu A, Țopa D, Peptu CA, Jităreanu G. (coordonator), 2015 - *Assessment of some straw-derived materials for reducing the leaching potential of Metribuzin residues in the soil*. Applied Surface Science, 358:586-594. DOI 10.1016/j.apsusc.2015.08.141, eISSN 1873-5584. Factor de impact (2015): 3,150 Accession Number WOS: 000366220500012
 - Bucur D, Jităreanu G, Ailincăi C, 2011 - *Effects of long-term soil and crop management on the yield and on the fertility of eroded soil*. Journal of Food, Agriculture & Environment, 9(2):207-209, ISSN 1459-0255. Factor de impact (2011): 0,517 (zona Q4). Accession Number WOS: 000291185500039
 - Ailincăi C, Jităreanu G, Bucur D, Mercus A, 2011 - *Influence of tillage practices and fertilization on crop yields and soil properties in long-term crop rotation (soybean-wheat –maize) experiments*. Journal of Food, Agriculture & Environment, 9(1):285-289, ISSN 1459-0255. Factor de impact (2011): 0,517 (zona Q4). Accession Number WOS: 000288779300054
 - Ailincăi C, Jităreanu G, Bucur D, Mercus A, 2011 - *Protecting the soil from erosion by cropping systems and fertilization in Moldavian Plateau*. Journal of Food, Agriculture & Environment, 9(1): 570-574, ISSN 1459-0255. Factor de impact (2011): 0,517 (zona Q4). Accession Number WOS: 000288779300113
 - Țenu I, Jităreanu G, Muraru-Ionel C, Cojocariu P, Muraru VM, 2009 - *The Impact of Mechanization Technologies on Soil*. Environmental Engineering and Management Journal, 8(5):1263-1267, ISSN 1582-9596. Factor de impact (2009): 0,885 (zona Q4). Accession Number WOS: 000272499300038
 - Cara M.S, Jităreanu G, Coroi Irina, Țopa D, 2009 - *The influence of tillage systems on hydric stability of structural aggregates in winter wheat crop during 2006-2007*. Scientific Papers, Series A, 52:254-259, ISSN 1222-5339. Factor de impact (2009): 0,3 (zona Q4). Accession Number WOS: 000416368100044
 - Țopa D., Jităreanu G., Ailincăi C, 2009 - *The influence of reduced tillage systems on physical properties of a cambic chernozem from Moldavian Plateau*. Scientific Papers, Series A, 52:260-266, ISSN 1222-5339. Factor de impact (2009): 0,3 (zona Q4). Accession Number WOS: 000416368100045
 - Jităreanu G, Ailincăi C, Bucur D, 2007 - *Soil fertility management in North-East Romania*. Journal of Food, Agriculture & Environment, 5(3-4):349 – 353, ISSN 1459-0255. Factor de impact (2007): 0,232 (zona Q4). Accession Number WOS: 000251336900071
 - Bucur D, Jităreanu G, Ailincăi C, Tsadilas C, Ailincăi D, Mercus A, 2007 - *Influence of soil erosion on water, soil, humus and nutrient losses in different crop systems in the Moldavian Plateau, Romania*. Journal of Food, Agriculture and Environment, 5(2):84-87, ISSN 1459-0255. Factor de impact (2007): 0,232 (zona Q4). Accession Number WOS: 000246988700054

- Ailincăi C, Jițăreanu G, Bucur D, Ailincăi Despina, 2007 - *Influence of sewage sludge on maize yield and quality and soil chemical characteristics*. Journal of Food, Agriculture and Environment, 5(1):310-313, ISSN 1459-0255. Factor de impact (2007): 0,232 (zona Q4). Accession Number WOS: 000245665900061
- Jițăreanu G, Ailincăi C, Bucur D, 2006 - *Influence of tillage systems on soil physical and chemical characteristics and yield in soybean and maize grown in the Moldavian Plain (North-Eastern Romania)*. 17th Conference of the International-Soil-Tillage-Research-Organisation, Germany; Soil Management for Sustainability Book Series: Advances in Geocology, 38:370-379, ISSN 0722-0723, ISBN 1-59326-246-9. Accession Number WOS: 000242339000044