

## Lista de lucrări

### Lista celor mai relevante 10 lucrări științifice publicate

1. Gordan, M.I.; **Popescu, C.A.\***; Calina, J.; Adamov, T.C.; Manescu, C.M.; Iancu, T., Spatial Analysis of Seasonal and Trend Patterns in Romanian Agritourism Arrivals Using Seasonal-Trend Decomposition Using LOESS, *Agriculture-Basel* **2024**, *14*(2), 229, eISSN: 2077-0472, ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agriculture14020229>, WOS: 001172384500001
2. Cojocariu, L.L.; Copacean, L.; Ursu, A.; Sarateanu, V.; **Popescu, C.A.**; Horablaga, M.N.; Bordean, D.M.; Horablaga, A.; Bostan, C., Assessment of the Impact of Population Reduction on Grasslands with a New "Tool": A Case Study on the "Mountainous Banat" Area of Romania, *Land* **2024**, *13*(2), 134, eISSN: 2073-445X, ISI(2023)=3.2/Q2, <https://doi.org/10.3390/land13020134>, WOS: 0011701151000017
3. **Popescu, C.A.**; Iancu, T.; Popescu, G.; Croitoru, I.M.; Adamov, T.; Ciolac, R., Rural Tourism in Mountain Rural Communities-Possible Direction/Strategies: Case Study Mountain Area from Bihor County, *Sustainability* **2024**, *16*(3), 1127, eISSN: 2071-1050, ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su16031127>, WOS: 001160304300001
4. Smuleac, A.; Smuleac, L.; **Popescu, C.A.**; Herban, S.; Man, T.E.; Imbrea, F.; Horablaga, A.; Mihai, S.; Pascalau, R.; Safar, T., Geospatial Technologies Used in the Management of Water Resources in West of Romania, *Water* **2022**, *14*(22), 3729, eISSN: 2073-4441, ISI(2022)=3.4/Q2; ISI(2023)=3.0/Q2, <https://doi.org/10.3390/w14223729>, WOS: 000887768100001
5. Popescu, G.; **Popescu, C.A.\***; Iancu, T.; Brad, I.; Pet, E.; Adamov, T.; Ciolac, R., Sustainability through Rural Tourism in Moieciu Area-Development Analysis and Future Proposals, *Sustainability* **2022**, *14*(7), 4221, eISSN: 2071-1050, ISI(2022)=3.9/Q2; ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su14074221>, WOS: 000780503400001
6. Smuleac, A.; Smuleac, L.; Man, T.E.; **Popescu, C.A.**; Imbrea, F.; Radulov, I.; Adamov, T.; Pascalau, R., Use of Modern Technologies for the Conservation of Historical Heritage in Water Management, *Water* **2020**, *12*(10), 2895, eISSN: 2073-4441, ISI(2020)=3.103/Q2; ISI(2023)=3/Q2, <https://doi.org/10.3390/w12102895>, WOS: 000586984100001
7. Sumalan, R.L.; Stroia, N.; Moga, D.; Muresan, V.; Lodin, A.; Vintila, T.; **Popescu, C.A.**, A Cost-Effective Embedded Platform for Greenhouse Environment Control and Remote Monitoring, *Agronomy-Basel* **2020**, *10*(7), 936, eISSN: 2073-4395, ISI(2020)=3.417/Q1; ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agronomy10070936>, WOS: 000558715800001
8. **Popescu, C.A.**; Herbei, M.V.; Sala, F., Remote sensing in the analysis and characterization of spatial variability of the territory. A study case in Timis county, Romania, *Scientific Papers-Series Management, Economic Engineering in Agriculture and Rural Development* **2020**, *20*(1), 505-514, ISSN: 2284-7995, eISSN: 2285-3952, ISI(2020)=N/A; ISI(2023)=1.0/Q3, WOS: 000521743100062
9. Herbei, M.V.; **Popescu, C.A.**; Bertici, R.; Sala, F., Estimation of sunflower crop production based on remote sensing techniques, *Agrolife Scientific Journal* **2023**, *12*(1), 87-96, ISSN: 2285-5718, eISSN: 2286-0126, ISI(2023)=0.6/Q4, WOS: 001025664100011
10. Sala, F.; **Popescu, C.A.**; Herbei, M.V.; Rujescu, C., Model of Color Parameters Variation and Correction in Relation to "Time-View" Image Acquisition Effects in Wheat Crop, *Sustainability* **2020**, *12*(6), 2470, eISSN: 2071-1050, ISI(2020)=3.251/Q2; ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su12062470>, WOS: 000523751400317

### Teză de doctorat

1. *Cercetări cantitative și calitative asupra unor resurse de sol din România prin metode clasice și moderne*, Universitatea de Științe Agricole și Medicină Veterinară a Banatului din Timișoara (IOSUD), domeniul "Agronomie", **2005** (Diplomă de Doctor seria D, nr. 0004937 din 24.01.2006).

### Cărți și capitole de carte publicate în străinătate

1. Fîță, N.D.; **Popescu, C.A.**; Kálmán, I., *Security Concepts*, Lambert Academic Publishing, London, **2023**, pp. 227, ISBN: 978-620-6-16236-0, <https://lap-publishing.com/#>
2. Șmuleac, L.; Botănoiu, D.; Imbrea, F.; **Popescu, C.A.**; Iancu, T.; Șmuleac, A.; Adamov, T.; Gavra, L.; Pașcalău, R., *Impact of COVID in Agriculture (Ch.9)*, In: Goyal, M.K.; Gupta, A.K. (Eds.), *Integrated Risk of Pandemic: Covid-19 Impacts, Resilience and Recommendations. Disaster Resilience and Green Growth*, Springer, Singapore, **2020**, pp. 197-216, ISSN: 978-981-15-7678-2, [https://link.springer.com/chapter/10.1007/978-981-15-7679-9\\_9](https://link.springer.com/chapter/10.1007/978-981-15-7679-9_9)

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1. **Popescu, C.A.**, *Looking Toward the Earth. Land Patrimony and Life Support (Part I. Sustainable Management of Grasslands)*, pp. 21-42. In: Samfira, I.; Popescu, C.A. (Eds.), *Sustainable management of grasslands: a guide for the maintenance of ecosystem services. Case studies – grasslands management, applied methodology and legislation*, Mirton, Timișoara, **2021**, pp. 301, ISBN: 978-973-52-1997-0
2. Șmuleac, A.; **Popescu, C.A.**; Șmuleac, L., *Tehnologii geospațiale utilizate în managementul resurselor de apă*, Mirton, Timișoara, **2021**, pp. 419, ISBN: 978-973-52-1949-9
3. Popescu, G.; **Popescu C.A.**; Dragomir, L.; Herbei, M.V., *Aplicații ale tehnologiei UAV în măsurătorile inginerești*, Eurobit, Timișoara, **2020**, ISSN: 978-973-132-691-7
4. Camen, D.; Iancu, T.; Moater, M.; Dragomir, N.; **Popescu, C.A.**; Dobrei, A.; Iordanescu, O.; Velicevici, G.; Petcov, A.; Dragomir, N.; Petolescu, C.; Dobrei, A.; Moisa, S.; Chet, C.; Nistor, E.; Dulakovic, V.; Stojicevic, D.; Sekulic, T.; Milovanovic, M.; Stupar, V.; Medic, R.; Miladinovic, V.V., *Resurse genetice vegetale pomivitice din arealul transfrontalier româno-sârb*, Eurobit, Timișoara, **2018**, ISSN: 978-973-132-475-3
5. Herbei, M.V.; Șmuleac, A.; **Popescu, C.A.**, *Cartografie digitală & Mobile GIS*, Mirton, Timișoara, **2018**, ISBN: 978-973-52-1839-3
6. Șmuleac, L.; Herbei, M.V.; **Popescu, C.A.**, *Metode moderne de achiziție și prelucrare a datelor topogeodezice*, Mirton, Timișoara, **2018**, ISBN: 978-973-52-1840-9
7. **Popescu, C.A.**; Copacean, L.; Herbei, M.V., *Teledetecție - fundamente teoretice*, Eurostampa, Timișoara, **2015**, ISBN 978-606-32-0080-9
8. Samfira, I.; Crăciunescu, A.; **Popescu, C.A.**; Dragomir, L.; Bârliba, C., *Studii de conservare descriptivă a unor arii naturale protejate din județul Timiș*, Eurobit, Timișoara, **2013**, ISBN: 978-973-132-208-7
9. Samfira, I.; Moisuc, A.; Sărățeanu, V.; Marușca, T.; Hărmănescu, M.; **Popescu, C.A.**; Herbei, M., *Elemente metodologice aplicate în cercetarea pajștilor*, Mirton, Timișoara, **2011**, ISBN: 978-973-52-1028-1
10. **Popescu, C.A.**, *Teledetecție și sisteme informatice geografice în agricultură*, Eurobit, Timișoara, **2007**, ISBN: 978-973-620-274-2

11. **Popescu, C.A.**; Ciolac, V.; Ciolac, L.; Fazakas, P., *Topografie, Fotogrammetrie și Teledetecție*, Eurobit, Timișoara, **2005**, ISBN: 973-620-185-6
12. Ciolac, V.; **Popescu, C.A.**; Bârlă, G.A.; Ciotlăuș, A.; Rață, G., *Tehnologia GPS în agricultură*, Mirton, Timișoara, **2003**, ISBN: 973-661-026-8
13. Ciolac, V.; Ritt, C.; **Popescu, C.A.**, *Măsurători terestre în agricultură*, Mirton, Timișoara, **2001**, ISBN: 973-585-580-1

#### Cărți publicate în calitate de coordonator

1. Csoz, I.; Bodnar, K.; Pîrșan, P.; Imbrea, F.; Botoș, L.; **Popescu, C.A.**; Imbrea, I., et al., Programe gastronomice și evenimente culturale pe lângă frontiera ungaro-română, Inovariant Nyomdaipari Kft. Szeged, **2013**, 207 pagini, ISBN: 978-963-306-209-8
2. Trașcă, T.; Bodnar, K.; Skobrak E.; Imbrea, F.; Imbrea, I.; **Popescu, C.A.**; Pîrșan, P.; Botoș, L.; et al., Gastronomie pe lângă frontiera ungaro-română, Inovariant Nyomdaipari Kft. Szeged, **2013**, 208 pagini, ISBN: 978-963-306-207-4
3. Bodnar, K.; Csoz, I.; Imbrea, F.; Imbrea, I.; **Popescu, C.A.**; Pîrșan, P.; Botoș, L., et al., Gasztronomiai es kulturualis programok a magyar – roman hatar menten, Inovariant Nyomdaipari Kft. Szeged, **2013**, 209 pagini, ISBN: 978-963-306-209-8
4. Pîrșan, P.; Jozsef, H.; Imbrea, F.; Imbrea, I.; Bodnar, K.; Botoș, L.; **Popescu, C.A.**, et al., Restaurante si cazare pe langa frontiera ungaro-romana, Inovariant Nyomdaipari Kft. Szeged, **2013**, 210 pagini, ISBN: 978-963-306-208-1

#### Suport didactic – manuale, cursuri

1. Popescu, G.; **Popescu C.A.**; Dragomir, L.; Herbei, M.V., *Tehnologia UAV. Noțiuni fundamentale*, Eurobit, Timișoara, **2020**, 200 pagini, ISSN: 978-973-132-690-0
2. **Popescu, C.A.**, *Cadastru general. Înregistrarea sistematică a imobilelor*, Eurostampa, Timișoara, **2015**, 155 pagini, ISBN: 978-606-32-0133-2
3. **Popescu, C.A.**; Copăcean, L.; Herbei, M.V., *Teledetecție – Note de curs*, Eurostampa, Timișoara, **2014**, 142 pagini.

#### Suport didactic – îndrumătoare de laborator / aplicații

1. **Popescu, C.A.**; Copăcean, L.; Herbei, M., *Teledetecție – Aplicații practice*, Eurostampa, Timișoara, **2015**, 120 pages, ISBN: 978-606-32-0134-9
2. **Popescu, C.A.**; Popescu, G., *Îndrumător pentru elaborarea unui proiect de cadastru - Aspecte teoretice și practice*, Eurobit, Timișoara, **2015**, 195 pages, ISBN: 978-973-132-276-6
3. Ciolac, V.; Ritt, C.; **Popescu, C.A.**; Șmuleac, A., *Lucrări practice de Topografie agricolă*, Eurobit, Timișoara, **2007**, ISBN: 978-973-620-275-9
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1. Alexa, E.; Radulov, I.; **Popescu, C.A.**; Raba, D.N.; Poiana, M.A.; Cocan, I.; Negrea, M.; Misca, C.; Obistioiu, D.; Dragomir, C.; Dossa, S.; Suster, G., Premixuri biofuncționale (PMXBF) pe bază de grâu spelta cu aplicabilitate în industria alimentelor făinoase (Biofunctional

premixes (PMXBF) based on spelta wheat with applicability in farinaceous food industry), Cerere de brevet de invenție OSIM RO137741 (A0) din 29.11.2023 (nr. cerere a 2023 00408/ 27.07.2023),

<https://patentimages.storage.googleapis.com/46/d6/37/15446a0ff48aba/RO137741A0.pdf>

2. Imbrea, F.; Marinkovic, B.; Tăbără, V.; Pirșan, P.; David, G.; Imbrea, I.M.; Palicica, R.; Botoș, L.; **Popescu, C.A.**, Metodă de stimulare a producției și calității la porumb prin expunerea semințelor unui câmp magnetic scăzut (Method for stimulating the yield and quality in maize by exposing the seeds to a low magnetic field), Cerere de brevet de invenție OSIM RO127151 (A0) din 30.03.2012 (nr. cerere a 2011 00593 / 22.06.2011),  
<https://patentimages.storage.googleapis.com/29/8e/96/872575285263f3/RO127151A0.pdf>

### Articole *in extenso*, publicate în reviste cotate ISI cu factor de impact – quartila Q1 (zona roșie)

1. Bundurus, I.A.; Balta, I.; Pet, I.; Stef, L.; **Popescu, C.A.**; McCleery, D.; Lemon, J.; Callaway, T.; Douglas, A.; Corcionivoschi, N., Mechanistic concepts involved in biofilm associated processes of *Campylobacter jejuni*: persistence and inhibition in poultry environments, *Poultry Science* **2024**, *103*(12), 104328, ISI(2023)=3.8/Q1, <https://doi.org/10.1016/j.psj.2024.104328>, WOS: 001331695100001
2. Tenche-Constantinescu, A.M.; Lalescu, D.V.; Popescu, S.; Sarac, I.; Petolescu, C.; Camen, D.; Horablaga, A.; **Popescu, C.A.**; Herbei, M.V.; Dragomir, L.; Popescu, G.; Iordanescu, O.A.; Becherescu, A.; Onisan, E., *Juglans regia* as Urban Trees: Genetic Diversity and Walnut Kernel Quality Assessment, *Horticulturae* **2024**, *10*(10), 1027, ISI(2023)=3.1/Q1, <https://doi.org/10.3390/horticulturae10101027>, WOS: 001342020900001
3. Gordan, M.I.; Tudor, V.C.; **Popescu, C.A.**; Adamov, T.C.; Pet, E.; Milin, I.A.; Iancu, T., Hedonic Pricing Models in Rural Tourism: Analyzing Factors Influencing Accommodation Pricing in Romania Using Geographically Weighted Regression, *Agriculture-Basel* **2024**, *14*(8), 1259, ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agriculture14081259>, WOS: 001305096900001
4. Balasoiu, R.A.C.; Obistoiu, D.; Hulea, A.; Suleiman, M.A.; Popescu, I.; Floares, D.; Imbrea, I.M.; Neacsu, A.G.; Smuleac, L.; Pascalau, R.; Crista, L.; **Popescu, C.A.**; Samfira, I.; Imbrea, F., Analysing the Antibacterial Synergistic Interactions of Romanian Lavender Essential Oils via Gas Chromatography-Mass Spectrometry: *In Vitro* and *In Silico* Approaches, *Plants-Basel* **2024**, *13*(15), 2136, ISI(2023)=4.0/Q1, <https://doi.org/10.3390/plants13152136>, WOS: 001287806800001
5. Tenche-Constantinescu, A.M.; Lalescu, D.V.; Popescu, S.; Sarac, I.; Petrescu, I.; Petolescu, C.; Camen, D.; Horablaga, A.; **Popescu, C.A.**; Berar, C.; Onisan, E., Exploring the Genetic Landscape of *Tilia* Spp. With Molecular and Statistical Tools, *Horticulturae* **2024**, *10*(6), 596, eISSN: 2311-7524, ISI(2023)=3.1/Q1, <https://doi.org/10.3390/horticulturae10060596>, WOS: 001257333500001
6. Gordan, M.I.; **Popescu, C.A.\***; Calina, J.; Adamov, T.C.; Manescu, C.M.; Iancu, T., Spatial Analysis of Seasonal and Trend Patterns in Romanian Agritourism Arrivals Using Seasonal-Trend Decomposition Using LOESS, *Agriculture-Basel* **2024**, *14*(2), 229, eISSN: 2077-0472, ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agriculture14020229>, WOS: 001172384500001
7. Bundurus, I.A.; Balta, I.; Butucel, E.; Callaway, T.; **Popescu, C.A.**; Iancu, T.; Pet, I.; Stef, L.; Corcionivoschi, N., Natural Antimicrobials Block the Host NF- $\kappa$ B Pathway and Reduce

- Enterocytozoon hepatopenaei* Infection Both In Vitro and In Vivo, *Pharmaceutics* **2023**, 15(7), 1994, eISSN: 1999-4923, ISI(2023)=4.9/Q1, <https://doi.org/10.3390/pharmaceutics15071994>, WOS: 001039553400001
8. Butucel, E.; Balta, I.; Bundurus, I.A.; **Popescu, C.A.**; Iancu, T.; Venig, A.; Pet, I.; Stef, D.; McCleery, D.; Stef, L.; Corcionivoschi, N., Natural Antimicrobials Promote the Anti-Oxidative Inhibition of COX-2 Mediated Inflammatory Response in Primary Oral Cells Infected with *Staphylococcus aureus*, *Streptococcus pyogenes* and *Enterococcus faecalis*, *Antioxidants* **2023**, 12(5), 1017, eISSN: 2076-3921, ISI(2023)=6.0/Q1, <https://doi.org/10.3390/antiox12051017>, WOS:000994725500001
9. Butucel, E.; Balta, I.; McCleery, D.; **Popescu, C.A.**; Iancu, T.; Pet, I.; Marcu, A.; Horablaga, N.M.; Stef, L.; Corcionivoschi, N., The Effect Citrox BCL on *Legionella pneumophila* Mechanisms of Biofilm Formation, Oxidative Stress and Virulence, *Antioxidants* **2022**, 11(11), 2186, eISSN: 2076-3921, ISI(2022)=7.0/Q1; ISI(2023)=6.0/Q1, <https://doi.org/10.3390/antiox11112186>, WOS: 000880698800001
10. Butucel, E.; Balta, I.; McCleery, D.; Morariu, F.; Pet, I.; **Popescu, C.A.**; Stef, L.; Corcionivoschi, N., Farm Biosecurity Measures and Interventions with an Impact on Bacterial Biofilms, *Agriculture-Basel* **2022**, 12(8), 1251, eISSN: 2077-0472, ISI(2022)=3.6/Q1; ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agriculture12081251>, WOS: 000846317900001
11. Sumalan, R.L.; Stroia, N.; Moga, D.; Muresan, V.; Lodin, A.; Vintila, T.; **Popescu, C.A.**, A Cost-Effective Embedded Platform for Greenhouse Environment Control and Remote Monitoring, *Agronomy-Basel* **2020**, 10(7), 936, eISSN: 2073-4395, ISI(2020)=3.417/Q1; ISI(2023)=3.3/Q1, <https://doi.org/10.3390/agronomy10070936>, WOS: 000558715800001

**Articole in extenso, publicate în reviste cotate ISI cu factor de impact – quartila Q2 (zona galbenă)**

1. Herbei, M.V.; Badalua-Minda, C.; **Popescu, C.A.**; Horablaga, A.; Dragomir, L.O.; Popescu, G.; Kader, S.; Sestras, P., Rainfall-runoff modeling based on HEC-HMS model: a case study in an area with increased groundwater discharge potential, *Frontiers in Water* **2024**, 6, 1474990, ISI(2023)=2.6/Q2, <https://doi.org/10.3389/frwa.2024.1474990>, WOS: 001340706100001
2. Cojocariu, L.L.; Copacean, L.; Ursu, A.; Sarateanu, V.; **Popescu, C.A.**; Horablaga, M.N.; Bordean, D.M.; Horablaga, A.; Bostan, C., Assessment of the Impact of Population Reduction on Grasslands with a New "Tool": A Case Study on the "Mountainous Banat" Area of Romania, *Land* **2024**, 13(2), 134, eISSN: 2073-445X, ISI(2023)=3.2/Q2, <https://doi.org/10.3390/land13020134>, WOS: 001170115100001
3. **Popescu, C.A.**; Iancu, T.; Popescu, G.; Croitoru, I.M.; Adamov, T.; Ciolac, R., Rural Tourism in Mountain Rural Communities-Possible Direction/Strategies: Case Study Mountain Area from Bihor County, *Sustainability* **2024**, 16(3), 1127, eISSN: 2071-1050, ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su16031127>, WOS: 001160304300001
4. **Popescu, C.A.**; Iancu, T.; Popescu, G.; Adamov, T.; Ciolac, R., The Impact of Agritourism Activity on the Rural Environment: Findings from an Authentic Agritourist Area-Bukovina, Romania, *Sustainability* **2023**, 15(13), 10294, eISSN: 2071-1050, ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su151310294>, WOS: 001031056200001
5. Smuleac, A.; Smuleac, L.; **Popescu, C.A.**; Herban, S.; Man, T.E.; Imbrea, F.; Horablaga, A.; Mihai, S.; Pascalau, R.; Safar, T., Geospatial Technologies Used in the Management of Water Resources in West of Romania, *Water* **2022**, 14(22), 3729, eISSN: 2073-4441,

- ISI(2022)=3.4/Q2; ISI(2023)=3.0/Q2, <https://doi.org/10.3390/w14223729>, WOS: 000887768100001
6. Popescu, G.; **Popescu, C.A.\***; Iancu, T.; Brad, I.; Pet, E.; Adamov, T.; Ciolac, R., Sustainability through Rural Tourism in Moieciu Area-Development Analysis and Future Proposals, *Sustainability* **2022**, *14*(7), 4221, eISSN: 2071-1050, ISI(2022)=3.9/Q2; ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su14074221>, WOS: 000780503400001
  7. Smuleac, A.; Smuleac, L.; Man, T.E.; **Popescu, C.A.**; Imbrea, F.; Radulov, I.; Adamov, T.; Pascalau, R., Use of Modern Technologies for the Conservation of Historical Heritage in Water Management, *Water* **2020**, *12*(10), 2895, eISSN: 2073-4441, ISI(2020)=3.103/Q2; ISI(2023)=3/Q2, <https://doi.org/10.3390/w12102895>, WOS: 000586984100001
  8. Sala, F.; **Popescu, C.A.**; Herbei, M.V.; Rujescu, C., Model of Color Parameters Variation and Correction in Relation to "Time-View" Image Acquisition Effects in Wheat Crop, *Sustainability* **2020**, *12*(6), 2470, eISSN: 2071-1050, ISI(2020)=3.251/Q2; ISI(2023)=3.3/Q2, <https://doi.org/10.3390/su12062470>, WOS: 000523751400317

**Articole in extenso, publicate în reviste cotate ISI cu factor de impact – quartilele Q3 și Q4 (zona gri), respectiv fără factor de impact**

1. Copacean, L.; Man, E.T.; Herban, S.; **Popescu, C.A.**; Cojocariu, L., Estimating flood susceptibility based on GIS and remote sensing. Case study: Hydrographic Basin of Crișul Alb river, *Present Environment and Sustainable Development* **2024**, *18*(1), 121-140, ISI(2023)=0.5/Q3, <https://doi.org/10.47743/pesd2024181009>, WOS: 001293169100009
2. Bertici, R.; **Popescu, C.A.**; Herbei, M.V.; Dicu, D.; Sala, F., The study of the textural elements variation in relation to the depth on the soil profile, *AIP Conference Proceedings* **2024**, *3094*, 420001, ISSN: 0094-243X, eISSN: 1551-7616, ISI(2023)=N/A, <https://doi.org/10.1063/5.0210385/5.0210363>, WOS: 001244923000080
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#### Granturi internaționale:

##### Director:

1. *Servicii suport pentru etapa de programare a Politicii Agricole Comune în România: Servicii de cercetare a fermelor familiale din Regiunea Banat (Romania Common Agriculture Policy (CAP). Programming Support - Survey of Family Farms in Banat Region)*, Banca Mondială (The World Bank Group), Nr. contract 7200050/**05.04.2021**, Valoare: 32299.21 Eur (158925.02 Lei; Curs BNR 2021: 4.9204 Lei/Eur) – **Director proiect**

##### Membru al echipei de cercetare:

1. *Joint project for conservation and sustainable use of plant genetic resurces from border areas as consequences of climate change*, Grant de cercetare, Ministerul Dezvoltarii prin BRCT, INTERREG IPA Romania Serbia, **2017-2018**, Valoare: 258142 Eur (1190241.13 lei; Curs BNR 2017-2018: 4.6108 Lei/Eur)
2. *Research regarding biology and ecology of click beetles in Western Plain of Romania*, Grant de cercetare Nr. 2310/29.03.2017, Institutte of Plant Protection, Bavarian State Research Center, **2017-2019**, Valoare: 12535 Eur (58357.95 Lei; Curs BNR 2017-2019: 4.6556 Lei/Eur)
3. *Înființarea si sprijinirea Rețelei Naționale de Dezvoltare Rurală*, Innovación y Desarrollo Local Madrid, C511/2/1/S/08/00/03/S2 / 31.07.2014, Nr. înreg. IS 040 112014/28.11.2014, **2014-2015**, 45280 Eur (201260.50 Lei; Curs BNR 2014-2015: 4.4448 Lei/Eur)

## Granturi naționale:

### Director:

1. *Analiza și strategia privind sectorul de legume fructe la nivelul județului Timiș*, Contract Nr. 14166/21.06.2017, Proiect de cercetare, Consiliul Județean Timiș, **2017**, Valoare: 14885.84 Eur (68000 Lei; Curs BNR 2017: 4.5681 Lei/Eur) – **Director proiect**
2. *Activități de cercetare pentru analiza și optimizarea metodelor și procedurilor: explicitarea și detalierea tehnică a conceptului de registru agricol, precum și propuneri de îmbunătățire; întocmirea unei baze grafice geospațiale prin georeferențierea datelor cartografice*, Contract cercetare 2188/15.04.2014 (Nr. înreg. 4739/24.07.2015), Agenția Națională de Cadastru și Publicitate Imobiliară prin S.C. Silurus S.R.L., **2015-2016**, Valoare: 25000 Eur (111120 Lei; Curs BNR 2015-2016: 4.4448 Lei/Eur) – **Director proiect**

### Membru al echipei de cercetare:

1. *Cercetări privind identificarea resurselor turistice din zona Vârtoș în vederea propunerii unor soluții "SMART" de diversificare a serviciilor oferite de Cabana "Fram"*, Contract de cercetare - dezvoltare Nr. 4963/28.06.2023, Proiect de cercetare, POPA I. MARIANA P.F.A., **2023**, Valoare: 10229.46 Eur (50600 Lei; Curs BNR 2023: 4.9465 Lei/Eur)
2. *Elaborarea unui studiu cu privire la impactul activităților de transport și a serviciilor anexe transportului pe canalul navigabil Bega asupra zonelor protejate Uivar – Dinaș, respectiv Sărăturile Dinaș*, Contract cercetare Nr. 10/22.11.2021 (nr. înreg. 6766/22.11.2021), Proiect de cercetare, Ministerul Transporturilor și Infrastructurii, Administrația Canalului Navigabil Bega-R.A. Timișoara, **2021**, Valoare: 12194.13 Eur (60000 Lei; Curs BNR 2021: 4.9204 Lei/Eur)
3. *Rolul biomasei în conservarea mediului, dezvoltare rurală și reziliența fermelor agricole*, Contract consultanță Nr. 295/16.08.2021 (Nr. înreg. 4193/27.07.2021), Asociația Clubul Fermierilor Români pentru Agricultură Performantă, **2021**, Valoare: 25000 Eur (123010 Lei; Curs BNR 2021: 4.9204 Lei/Eur)
4. *Reabilitarea Clădirii Muzeului Mineritului și amenajare muzeistică. Digitizarea obiectivului de patrimoniu*, Contract servicii Nr. 10753/21.07.2017, Proiect de consultanță, Muzeul Petroșani, Primăria Petroșani, **2019**, Valoare: 11063.81 Eur (52500 Lei; Curs BNR 2019: 4.7452 Lei/Eur)
5. *Evaluarea efectului unor biofertilizanți asupra modificărilor morfologice induse la nivelul celulei vegetale*, Contract de cercetare Nr. 56/14.02.2018, Proiect de cercetare, SC Eurofins Agrosience Services SRL, **02.02.2018-02.02.2019**, Valoare: 10600 Eur (49813.64 Lei; Curs BNR 2018-2019: 4.6994 Lei/Eur)
6. *Determinarea compoziției chimice brute și a digestibilității din cereale și plante tehnice*, Contract de cercetare Nr. 1251/10.03.2017, Proiect de cercetare, SC Eurofins Agrosience Services SRL, **2017-2018**, Valoare: 10200 Eur (47030.16 Lei; Curs BNR 2017-2018: 4.6108 Lei/Eur)
7. *Evaluarea eficacității a diferite ierbicide la culturile de porumb, floarea soarelui și soia*, Contract de cercetare Nr. 460/14.12.2018, Proiect de cercetare, SC Eurofins Agrosience Services SRL, **2018-2019**, Valoare: 12000 Eur (56392.80 Lei; Curs BNR 2018-2019: 4.6994 Lei/Eur)
8. *Studiu privind strategia de dezvoltare a spațiilor verzi din comuna Giroc, jud. Timiș*, Contract de cercetare-documentare Nr. 32001/30.09.2015 (Nr. înreg. 6058/30.09.2015),

- Proiect de cercetare, Primaria Comunei Giroc, **30.09.2015-30.09.2020**, Valoare: 12400 Eur (57328.92 Lei; Curs BNR 2015-2020: 4.6233 Lei/Eur)
9. *Studiu privind Strategia de Dezvoltare a Spațiilor Verzi din Municipiul Caransebeș*, Contract de cercetare-proiectare Nr. 9450/30.12.2013 (Nr. înreg. 9450/30.12.2013), Proiect de cercetare, Primaria Municipiului Caransebeș, **30.12.2013-30.12.2016**, Valoarea: 14954.82 Eur (66700 Lei; Curs BNR 2014-2016: 4.4601 Lei/Eur)
10. *Cercetări privind analiza socio-economică la nivelul Regiunii V Vest Timiș în vederea optimizării procesului de implementare a fondurilor Europene*, Contract de cercetare științifică nr. 8858/03.12.2013, Proiect de cercetare, S.C. ALLEGRIA PRO INVEST S.R.L., **10.12.2013-10.12.2016**, Valoare: 11210.51 Eur (50000 Lei; Curs BNR 2014-2016: 4.4601 Lei/Eur)
11. *Studiul agronomic al solului. Servicii de cercetare și consultanță științifică privind determinarea (conform procedurilor agrementate), a texturii solului (% nisip, % argilă, % praf), MO (materie organică, humus), pH-ul solului din parcele compacte/necomacte, SC Eurofins Agrosience Services SRL/ Contract Nr. 658/10.02.2020/01.02.2020-01.02.2021*, Valoare: 12600 Eur (61354.44 lei Curs BNR 2020:4.8694 Lei/Eur).

Prof. dr. ing. Cosmin-Alin POPESCU

