

## LISTA DE LUCRĂRI ȘTIINȚIFICE

Conf.univ.dr. Șuțan Nicoleta Anca

### A. Teza de doctorat

1. Cercetări privind capacitatea de multiplicare *in vitro* și stabilitatea genetică a unor hibrizi intergenerici *Fragaria x Potentilla*, Domeniul Biologie, Universitatea Babeș-Bolyai, Cluj-Napoca (04.01.2011)

### B. Cărți și capitole în cărți

#### B.1. Cărți publicate la edituri Universitare

1. **Șuțan N.A.**, Popescu A., 2011. Lucrări practice de genetică. Editura Universității din Pitești, ISBN 978-606-560-211-6.
2. **Șuțan N.A.**, Popescu A., 2011. Multiplicarea *in vitro* a căpșunului ornamental. Editura Universității din Pitești. ISBN 978-606-560-211-3.

#### B.2. Capitole în volume la edituri internaționale de prestigiu

1. Soare L.C., **Șuțan N.A.**, 2018. Current Trends in Pteridophyte Extracts: From Plant to Nanoparticles. In: Fernández H. (Eds.), *Current Advances in Fern Research*, pp 329-357, Springer, Cham. [https://doi.org/10.1007/978-3-319-75103-0\\_16](https://doi.org/10.1007/978-3-319-75103-0_16), Print ISBN 978-3-319-75102-3, online ISBN 978-3-319-75103-0.
2. Heikal Y. M., **Șuțan N.A.**, 2021. Mechanisms of Genotoxicity and Oxidative Stress Induced by Engineered Nanoparticles in Plants. In: Khan Z., Ansari MY.K., Shahwar D. (Eds), *Induced Genotoxicity and Oxidative Stress in Plants* Springer, Singapore. DOI: 10.1007/978-981-16-2074-4, eBook ISBN 978-981-16-2074-4, Hardcover ISBN: 978-981-16-2073-7, pp. 151-197.

#### B.3. Capitole în volume la alte edituri internaționale

1. Drăghiceanu O.A., Soare L.C., **Șuțan A.N.**, Fierascu I., Fierascu R.C., Dobrescu C.M., 2021. The use of *Triticum* test in the evaluation of the materials' phytotoxicity, In: Fierăscu I., Fierăscu R., Soare L.C. (Eds), *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*, pp.87-116, Ruse Press. ISBN 978-619-91466-2-0
2. **Șuțan A.N.**, Șuțan C., Fierăscu I., Fierăscu R.C., Drăghiceanu O.A., **Soare L.C.**, 2021. Applications of the *Allium* test in the evaluation of cytogenotoxicity, In: *Development of plant extracts and innovative phytosynthesized nanostructures mixtures with phytotherapeutic applications, in order to reduce biocenotic stress in horticultural crops*. pp.141-170, Ruse Press. ISBN 978-619-91466-2-0.
3. **Șuțan N.A.**, Popescu A., 2023. Genome editing by different site-specific nucleases and their applications in improving horticultural crops. In: Khan, Z., Shahwar, D., & Heikal, Y. (Eds.), *Genome Editing and Global Food Security: Molecular Engineering Technologies for Sustainable Agriculture (1st ed.)*. Routledge, <https://doi.org/10.4324/9781003382102> eBook ISBN 9781003382102, 34 pages
4. Vilcoci D.Ș., **Sutan N.A.\***, Drăghiceanu O.A., Soare L.C., Cîrstea G., 2023. Nanoformulation Synthesis and Mechanisms of Interactions with Biological Systems. In: Khan Z., **Șuțan N.A.** (Eds.), *Nanoformulations for Sustainable Agriculture and*

*Environmental Risk Mitigation*, CABI, pp. 18-35, ISBN: 978-1-80062-307-1, <https://doi.org/10.1079/9781800623095.0002> \*Autor corespondent

#### **B.4. Editor/redactor/coordonator cărți la alte edituri internaționale**

1. Khan Z., Sutan N.A., 2023. *Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation*, CABI, ISBN: 978-1-80062-307-1, 240 pages.

#### **C. Articole publicate în reviste cotate ISI și BDI**

##### **C.1. Articole publicate în reviste cotate ISI (autor principal)**

1. Șuțan N.A., Popescu A., Isac V., 2010. *In vitro* culture medium and explant type effect on callogenesis and shoot regeneration in two genotypes of ornamental strawberry. *Romanian Biotechnological Letters*, 15(2) (Supplement): 12-18. <https://rombio.unibuc.ro/wp-content/uploads/2022/05/15-2-3-sup.pdf>; WOS:000277232600003; ISSN 1224-5984.
2. Șuțan A.N., Fierăscu I., Fierăscu R.C., Manolescu D.Ș., Soare L.C., 2016. Comparative analytical characterization and *in vitro* cytogenotoxic activity evaluation of *Asplenium scolopendrium* L. leaves and rhizome extracts prior to and after Ag nanoparticles phytosynthesis. *Industrial Crops and Products*, 83: 379-386. DOI: 10.1016/j.indcrop.2016.01.011; WOS:000370894000048; ISSN 0926-6690; eISSN 1872-633X.
3. Mutlu E., Demir T., Yanik T., Șuțan N.A., 2016. Determination of environmentally relevant water quality parameters in Serefiye Dam-Turkey. *Fresenius Environmental Bulletin*, 25(12A): 5812-5818. WOS:000392555800022; ISSN 1018-4619; eISSN 1610-2304.
4. Șuțan N.A., Uță G., Bărbuceanu D., 2018. Oxidative stress and cytogenetic effects in root tip cells of *Allium cepa* L. induced by alcoholic extracts of *Leptinotarsa decemlineata* (Say). *Caryologia*, 71(4): 405-413. DOI: 10.1080/00087114.2018.1486117; WOS:000451826900015; ISSN 0008-7114; eISSN 2165-5391.
5. Sutan N.A., Manolescu D.S., Fierascu I., Neblea A.M., Sutan C., Ducu C., Soare L. C., Negrea D., Avramescu S.M., Fierascu R.C., 2018. Phytosynthesis of gold and silver nanoparticles enhance *in vitro* antioxidant and mitostimulatory activity of *Aconitum toxicum* Reichenb. rhizomes alcoholic extracts. *Materials Science & Engineering C*, 93: 746-758. DOI: 10.1016/j.msec.2018.08.042; WOS:000447569400071; ISSN 0928-4931; eISSN 1873-0191.
6. Sutan A.N., Vilcoci D.S., Fierascu I., Neblea A.M., Sutan C., Ducu C., Soare L.C., Negrea D., Avramescu S.M., Fierascu R.C., 2019. Influence of the phytosynthesis of noble metal nanoparticles on the cytotoxic and genotoxic effects of *Aconitum toxicum* Reichenb. leaves alcoholic extract. *Journal of Cluster Science*, 30: 647-660. DOI: 10.1007/s10876-019-01524-9; WOS:000468527400013; ISSN 1040-7278, eISSN 1572-8862
7. Șuțan N.A., Fierăscu I., Fierăscu R., Deliu I., Soare L.C., 2019. Phytochemical analysis and *in vitro* assessment of *Polystichum setiferum* extracts for their cytotoxic and antimicrobial activities. *Caryologia*, 72(2): 53-61. DOI: 10.13128/caryologia-255; WOS:000516775100007; ISSN 0008-7114; eISSN 2165-5391.
8. Șuțan N.A., Matei A.N., Oprea E., Tecuceanu V., Tătaru L.D., Moga S.G., Manolescu D.S., Topală C.M., 2020. Chemical composition, antioxidant and cytogenotoxic effects of *Ligularia sibirica* (L.) Cass. roots and rhizomes extracts. *Caryologia*, 73(1): 83-92. DOI: 10.13128/caryologia-116; WOS:000556004400009; ISSN 0008-7114; eISSN 2165-5391.
9. Șuțan N.A., Fierascu I., Șuțan C., Soare L.C., Neblea A.M., Raluca Somoghi, Fierăscu R.C., 2021. *In vitro* mitodepressive activity of phytofabricated silver oxide nanoparticles (Ag<sub>2</sub>O-

- NPs) by leaves extract of *Helleborus odoratus* Waldst. & Kit. ex Willd. Materials Letters, 286: 129194. DOI: 10.1016/j.matlet.2020.129194; WOS:000615986100001; ISSN 0167-577x; eISSN 1873-4979.
10. Popescu, D.I.; Lengyel, E.; Apostolescu, F.G.; Soare, L.C.; Botoran, O.R.; **Șuțan, N.A.\***, 2022. Volatile compounds and antioxidant and antifungal activity of bud and needle extracts from three populations of *Pinus mugo* Turra growing in Romania. Horticulturae, 8: 952. DOI: 10.3390/horticulturae8100952; WOS:000875118700001; eISSN 2311-7524
  11. Popescu (Stegărus) D.I., Botoran O.R., Cristea R., Mihăescu C., **Șuțan N.A.**, 2023. Effects of Geographical Area and Harvest Times on Chemical Composition and Antibacterial Activity of *Juniperus communis* L. Pseudo-Fruits Extracts: A Statistical Approach. Horticulturae, 9(3): 325. DOI: 10.3390/horticulturae9030325; WOS:000958909800001; eISSN 2311-7524.
  12. Apostolescu G.F., Popescu (Stegarus) D.I., Botoran O., Sandru D., **Șuțan N.A.\***, Neamtu J., 2023. Chemical and Antioxidant Profile of Hydroalcoholic Extracts of *Stachys Officinalis* L., *Stachys Palustris* L., *Stachys Sylvatica* L. from Romania. Acta Chimica Slovenica, 70: 231–239. DOI: 10.17344/acsi.2023.8046; WOS:001020833100007; ISSN 1318-0207; eISSN 1580-3155.
  13. Mareș C., Udrea A.-M., **Șuțan N.A.\***, Avram S., 2023. Bioinformatics Tools for the Analysis of Active Compounds Identified in Ranunculaceae Species. Pharmaceuticals, 16(6), 842. DOI:10.3390/ph16060842; WOS:001017754500001; eISSN 1424-8247.
  14. **Șuțan N.A.**, Paunescu A., Topala C., Dobrescu C., Ponopal M.C., Popescu D.I., Soare L.C., Tamaian R., 2024. Aconitine in Synergistic, Additive and Antagonistic Approaches. Toxins, 16, 460. <https://doi.org/10.3390/toxins16110460>
  15. Dumitrache (Păunescu) A., **Ionescu (Șuțan) N.A.\***, Țîntu M.M., Ponopal M.C., Soare L.C., Țîntu A.C., Atamanalp M., Baniță I.M., Pisoschi C.G., 2025. Evaluating the Discriminative Performance of Noninvasive Biomarkers in Chronic Hepatitis B/C, Alcoholic Cirrhosis, and Nonalcoholic Cirrhosis: A Comparative Analysis. Diagnostics, 15, 1575. <https://doi.org/10.3390/diagnostics15131575>; WOS: 001526330000001
  16. Popescu D.I., Nasture A.-M., Niculescu V.-C., Oprita C.M., **Șuțan N.A.**, 2025. Pesticide Surveillance in Fruits and Vegetables from Romanian Supply: A Data-Driven Approach. Journal of Xenobiotics, 15, 104. <https://doi.org/10.3390/jox15040104>; WOS: 001557786200001
  17. Pisculungeanu S.E., Soare L.C., Luțu O.A., Păunescu A., Cîrstea G., Negrea A.D., Dobrescu C.M., **Ionescu (Șuțan) N.A.**, 2025. Integrated Assessment of Silver Nanoparticles on Plant Growth and Cytogenotoxicity Using Triticum and Allium Bioassays. Journal of Xenobiotics, 15(5), 147. <https://doi.org/10.3390/jox15050147>;
  18. Popescu D.I., Wilhelmine C.N.\*, Țița O., Niculescu V.-C.\*, **Ionescu (Șuțan) N.A.**, 2025. Antioxidant Potential and Volatile Aroma Profiling of Red Wines from the Tarnave Vineyard. Molecules, 30(19), 3853. <https://doi.org/10.3390/molecules30193853>
  19. Dumitrache A., **Șuțan N.A.\***, Popescu D.I., Soare L.C., Ponopal M.C., Mihăescu C.F., Bondoc M.D., Atamanalp M., Țîntu A.C., Pisoschi C.G., Baniță I.M., Țîntu M.M., 2026. A Retrospective Analysis of Hepatic Disease Burden and Progression in a Hospital-Based Romanian Cohort Using Integrated Cross-Sectional and Longitudinal Data (2019–2023). Journal of Clinical Medicine, 15(2), 454. <https://doi.org/10.3390/jcm15020454>

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## C.2. Articole publicate în reviste cotate ISI (coautor)

1. Fierăscu I., Milen I.G., Ortan A., Fierăscu R.C., Avramescu S.M., Ionescu D., **Sutan A.**, Brînzan A., Ditu L.M., 2017. Phyto-mediated metallic nanoarchitectures *via Melissa officinalis* L.: synthesis, characterization and biological properties. *Scientific Reports*, 7: 12428. DOI: 10.1038/s41598-017-12804-7; WOS:000413526600001; ISSN 2045-2322.
2. Fierăscu R.C., Georgiev M.I., Fierăscu I., Ungureanu C., Avramescu S.M., Ortan A., Georgescu M.I., **Sutan N.A.**, Zăncărescu A., Dinu-Pirvu C.E., Velescu B.S., Anuta V., 2017. Mitodepressive, antioxidant, antifungal and anti-inflammatory effects of wild-growing Romanian native *Arctium lappa* L. (Asteraceae) and *Veronica persica* Poiret (Plantaginaceae). *Food and Chemical Toxicology*, 111: 44–52. DOI: 10.1016/j.fct.2017.11.008; WOS:000423248100005; ISSN 0278-6915; eISSN 1873-6351
3. Fierăscu I., Ungureanu C., Avramescu S.M., Cimpeanu C., Georgescu M.I., Fierăscu R. C., Ortan A., **Sutan A.N.**, Anuta V., Zăncărescu A., Dinu-Pirvu C.E., Velescu B.S., 2018. Genoprotective, antioxidant, antifungal and anti-inflammatory evaluation of hydroalcoholic extract of wild-growing *Juniperus communis* L. (Cupressaceae) native to Romanian southern sub-Carpathian hills. *BMC Complementary and Alternative Medicine*, 18:3. DOI: 10.1186/s12906-017-2066-8; WOS:000419623100001; ISSN 1472-6882.
4. Rusea I., Popescu A., Isac V., **Sutan A.N.**, Hoza D., 2018. Adventitious shoot regeneration from petiole explants in black chokeberry (*Aronia melanocarpa*). *Scientific Papers-Series B-Horticulture*, 62: 83-91. WOS:000449533400014, ISSN 2285-5653; eISSN 2286-1580.
5. Bonciu E., Firbas P., Fontanetti C.S., Wusheng J., Karaismailoğlu M.C., Liu D., Menicucci F., Pesnya D.S., Popescu A., Romanovsky A.V., Schiff S., Ślusarczyk J., de Souza C.P., Srivastava A., **Sutan A.**, Papini A., 2018. An evaluation for the standardization of the *Allium cepa* test as cytotoxicity and genotoxicity assay. *Caryologia*, 71(3): 191–209. DOI: 10.1080/00087114.2018.1503496; WOS:000444990100001; ISSN 0008-7114; eISSN 2165-5391.
6. Rusea I., Popescu A., Isac V., **Sutan A.N.**, Hoza D., 2019. High efficiency shoot multiplication from *in vitro* cultured meristems of *Aronia melanocarpa* cv. Nero. *Scientific Papers-Series B-Horticulture*, 63 (1): 65-74. WOS:000489993900009, ISSN 2285-5653; eISSN 2286-1580.
7. Fierăscu R.C., Fierăscu I., Lungulescu E.M., Nicula N., Somoghi R., Dițu L.M., Ungureanu C., **Sutan A.N.**, Draghiceanu O.A., Paunescu A., Soare L.C., 2020. Phytosynthesis and radiation-assisted methods for obtaining metal nanoparticles. *Journal of Materials Science*, 55(5): 1915–1932. DOI: 10.1007/s10853-019-03713-3; WOS:000501006500003; ISSN 0022-2461; eISSN 1573-4803.
8. Heikal Y.M., **Sutan N.A.**, Rizwan M., Elsayed A., 2020. Green synthesized silver nanoparticles induced cytogenotoxic and genotoxic changes in *Allium cepa* L. varies with nanoparticles doses and duration of exposure. *Chemosphere*, 243: 125430. DOI: 10.1016/j.chemosphere.2019.125430; WOS:000512221100115; ISSN 0045-6535; eISSN 1879-1298
9. Valu M.V., Soare L.C., **Sutan N.A.**, Ducu C., Moga S., Hritcu L., Boiangiu R.S., Carradori S., 2020. Optimization of ultrasonic extraction to obtain erinacine a and polyphenols with antioxidant activity from the fungal biomass of *Hericium erinaceus*. *Foods*, 9(12): 1889. DOI: 10.3390/foods9121889. WOS:000602079200001; eISSN 2304-8158.
10. Fierăscu I., Ditu L.M., **Sutan A.N.**, Drăghiceanu O.A., Fierăscu R.C., Avramescu S.M., Lungulescu E.M., Nicula N., Soare L.C., 2021. Influence of gamma irradiation on the

- biological properties of *Asplenium scolopendrium* L. hydroalcoholic extracts. *Radiation Physics and Chemistry*, 181: 109175. DOI: 10.1016/j.radphyschem.2020.109175. WOS:000618757400001. ISSN 0969-806X; eISSN 1879-0895.
11. Bonciu E., Paraschiv M., **Şutan N.A.**, Olaru A.L., 2022. Cytotoxicity of Sunset Yellow and Brilliant Blue food dyes in a plant test system. *Caryologia*, 75(2): 143-149. DOI: 10.36253/caryologia-1579. WOS:000919222600008; ISSN 0008-7114; eISSN 2165-5391
  12. Uță G., Manolescu D., **Şutan A.**, Ducu C., Din A., Moga S., Negrea D., Biță A., Bejenaru L., Bejenaru C., Avram S. (2022). Biogenic synthesis of noble metal nanoparticles using *Melissa officinalis* L. and *Salvia officinalis* L. extracts and evaluation of their biosafety potential. *Caryologia*, 75(3): 65-83. DOI: 10.36253/caryologia-1774; WOS:000969216800007; ISSN 0008-7114; eISSN 2165-5391
  13. Ponopal C.M., Soare L.C., Draghiceanu O.A., Mihaescu C.F., **Şutan N.A.**, Tântu M.M., Paunescu A., 2023. Evaluation of the Morphological, Physiological and Biochemical Effects Induced by Coragen 20 SC in Some Non-Target Species. *Toxics*, 11(7): 618. DOI: 10.3390/toxics11070618; WOS:001038907400001; eISSN 2305-6304
  14. Popescu D.I., Frum A., Dobrea C.M., Cristea R., Gligor F.G., Vicas L.G., Ionete R.E., **Sutan N.A.**, Georgescu, C. 2024. Comparative Antioxidant and Antimicrobial Activities of Several Conifer Needles and Bark Extracts. *Pharmaceutics*, 16(1): 52. DOI: 10.3390/pharmaceutics16010052; WOS: 001150908200001; e-ISSN 1999-4923
  15. Popescu D.I., Botoran O.R., Ionete R.E., Sandru D., **Sutan N.A.**, Niculescu V.-C. 2024. Highlighting the Terroir Influence on the Aromatic Profile of Two Romanian White Wines. *Applied Sciences*, 14(1): 19. DOI:10.3390/app14010019 WOS:001139251200001; eISSN 2076-3417
  16. Kara A., Akkose A., Gelen S.U., Uçar A., Parlak V., Kocaman E.M., Atamanalp M., **Şutan N.A.**, Albadrani G.M., Al -Ghadi M.Q., Abdel-Daim M.M., Alak G., 2024. A solution for fillet quality: Slaughter age's effect on protein mechanism and oxidation. *Heliyon*, 10(10): e31146, DOI: <https://doi.org/10.1016/j.heliyon.2024.e31146>; WOS: 001298403700001
  17. Turkez H., Alak G., Ozgeris F.B., Cilingir Yeltekin A., Ucar A., Parlak V., **Şutan N.A.**, Atamanalp M. (2024). Borax attenuates oxidative stress, inflammation, and apoptosis by modulating Nrf2/ROS balance in acrylamide-induced neurotoxicity in rainbow trout. *Drug and Chemical Toxicology*, 48(1):27-36. <https://doi.org/10.1080/01480545.2024.2370916>; WOS: 001257393100001
  18. Mitoi E.M., Aldea F., Helepciuc F.E., Ciocan A.-G., Frum A., Popescu D.I., Luțu O.A., **Şutan N.A.**, Soare L.C., 2024. The Production of Useful Phenol Compounds with Antioxidant Potential in Gametophytes and Sporophytes from In Vitro Cultures in Four Ornamental Ferns Species. *Horticulturae*, 10(8):799. <https://doi.org/10.3390/horticulturae10080799>; WOS: 001307349900001
  19. Niculescu V.-C., Sandru D., Botoran O.R.; **Sutan N.A.**, Popescu D.I., 2024. Red Wines from Consecrated Wine-Growing Area: Aromas Evolution Under Indigenous and Commercial Yeasts. *Appl. Sci.*, 14:10239. <https://doi.org/10.3390/app142210239>; WOS: 001366759500001

### C.3. Articole publicate în reviste cotate BDI (autor principal)

1. **Şutan N.A.**, Popescu A., Isac V., Corneanu G., 2008. Studies on micropropagation efficiency in ornamental strawberry varieties (*Fragaria x Potentilla*). *Lucrări Ştiinţifice, USAMV “Ion*

- Ionescu de la Brad”, Seria Horticultură, LI(51): 747-752. [https://www.uaiasi.ro/revista\\_horti/files/Nr\\_2008/Vol\\_51\\_2008%20\(138\).pdf](https://www.uaiasi.ro/revista_horti/files/Nr_2008/Vol_51_2008%20(138).pdf) [CABI INTERNATIONAL, EBSCO ȘI GOOGLE SCHOLAR]
2. **Șuțan N.A.**, Popescu A., Coman M., 2008. Studies on the reproductive behavior of some ornamental strawberry varieties (*Fragaria x Potentilla*). *Lucrări Științifice, USAMV “Ion Ionescu de la Brad”, Seria Horticultură, LI(51): 753-758.* [https://www.uaiasi.ro/revista\\_horti/files/Nr\\_2008/Vol\\_51\\_2008%20\(139\).pdf](https://www.uaiasi.ro/revista_horti/files/Nr_2008/Vol_51_2008%20(139).pdf) [CABI INTERNATIONAL, EBSCO ȘI GOOGLE SCHOLAR]
  3. **Șuțan N.A.**, Popescu A., Gheorghe R., Popescu C.F., Isac V., 2009. Molecular markers for genetic stability of intergeneric hybrids *Fragaria x Potentilla* derived from tissue culture. *Analele Universității din Oradea, Fascicula Biologie, XVI(2): 146-149.* <https://www.bioresearch.ro/2009-2/146-149%20Sutan.pdf> [CABI, DOAJ, Ex Libris, Index Copernicus, EBSCO]
  4. **Șuțan N.A.**, Popescu A., Gheorghe R., Popescu C.F., Isac V., 2009. *In vitro* micropropagation of ornamental strawberry cvs. ‘Serenata’ and the assessment of genetic stability by RAPD markers. *Analele Universității din Craiova, Agricultură Montanologie Cadastru, XXXIX/B: 366-372.* [https://cis01.ucv.ro/analele\\_universitatii/agricultura/2009/vol\\_XXXIX\\_B\\_2009.pdf](https://cis01.ucv.ro/analele_universitatii/agricultura/2009/vol_XXXIX_B_2009.pdf) [Index Copernicus]
  5. **Șuțan N.A.**, Popescu A., Isac V., 2009. The effect of culture medium composition on *in vitro* rooting of two intergeneric hybrids *Fragaria x Potentilla*. *Analele Universității din Oradea, Fascicula Biologie, XVI(2): 150-154.* <https://www.bioresearch.ro/2009-2/150-154%20Sutan.pdf> [CABI, DOAJ, Ex Libris, Index Copernicus, EBSCO]
  6. **Șuțan N.A.**, Popescu A., Isac V., 2010. The influence of the season and culture medium on micropropagation of two intergeneric *Fragaria x Potentilla* varieties. *Analele Universității din Oradea, Fascicula Biologie, XVII(1): 190-195.* <https://www.bioresearch.ro/2010-1/190-195%20-%20SUTAN%20A.N.%20-%20U.Pitesti.Stiinte.Biol.%20-%20The%20Influence%20of%20the.pdf> [CABI, DOAJ, Ex Libris, Index Copernicus, EBSCO]
  7. **Șuțan N.A.**, Popescu A., Isac V., 2010. Efficiency of the *in vitro* rooting in two intergeneric hybrids *Fragaria x Potentilla*. *Lucrări Științifice, USAMV “Ion Ionescu de la Brad”, Seria Horticultură, LIII/53(1): 363-368, ISSN: 1454-7376.* [https://www.uaiasi.ro/revista\\_horti/files/Nr1\\_2010/vol\\_53\\_1\\_2010%20\(60\).pdf](https://www.uaiasi.ro/revista_horti/files/Nr1_2010/vol_53_1_2010%20(60).pdf) [CABI INTERNATIONAL, EBSCO ȘI GOOGLE SCHOLAR]
  8. **Șuțan N.A.**, 2010. Regeneration capacity of leaf and petiole derived callus cultured on liquid medium provided with filter paper bridges in ‘Pink Panda’ and ‘Serenata’ genotypes of ornamental strawberry. *Muzeul Olteniei Craiova. Oltenia. Studii și Comunicări. Științele Naturii, 26(1): 29-33.* [http://olteniastudiisicomunicaristiintelenaturii.ro/cont/26\\_1/B05-Sutan.pdf](http://olteniastudiisicomunicaristiintelenaturii.ro/cont/26_1/B05-Sutan.pdf) [THOMSON REUTERS - ZOOLOGICAL RECORD, CAB ABSTRACTS, EBSCO]
  9. **Șuțan N.A.**, Popescu A., Isac V., 2012. Studies on the major factors affecting *in vitro* micropropagation of two intergeneric hybrids *Fragaria x Potentilla*. *Current Trends in Natural Sciences, 1(1): 210-216.* <https://www.natsci.upit.ro/media/1426/paper-36.pdf> [Index Copernicus, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
  10. **Șuțan N.A.**, Dinuță M.V., Popescu A., Deliu I., 2012. The effect of plant growth regulators on *in vitro* micropropagation of two intergeneric hybrids *Fragaria x Potentilla*. *Analele Universității din Craiova, XVII (LIII): 389-396.* [https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2012/anale\\_2012\\_vol1.pdf](https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2012/anale_2012_vol1.pdf) [Index Copernicus]

11. Marinescu M.V., Teodorescu A., **Șuțan N.A.**, 2013. Preliminary results on the *in vitro* propagation by leaf explants and axillary buds of *Iris aphylla* L. Journal of Horticulture, Forestry and Biotechnology, 17(1): 279-282. [https://journal-hfb.usab-tm.ro/engleza/2013/Lista%20Lucrari%20PDF/Volum%2017\(1\)%20PDF/53Marinescu%20Maria%20Violeta.pdf](https://journal-hfb.usab-tm.ro/engleza/2013/Lista%20Lucrari%20PDF/Volum%2017(1)%20PDF/53Marinescu%20Maria%20Violeta.pdf) [CABI, INDEX COPERNICUS, EBSCO Publishing]
12. **Șuțan N.A.**, Gheorghe R.N., Popescu A, Popescu C., Deliu I, 2013. Assessment of genetic stability in micropropagated plants of some ornamental strawberry varieties. Analele Științifice ale Universității Al. I. Cuza, Iași, Genetică și Biologie Moleculară, XIII (4): 1-8. <https://www.proquest.com/docview/1316277664> [PROQUEST, Index Copernicus, DOAJ, Google Scholar].
13. Soare L.C., Dobrescu C.M., Burtescu L., **Șuțan A.N.**, 2013. Research on the influence of two insecticides on the gametophyte of some leptosporangiate pteridophytes. Analele Științifice ale Universității „Al. I. Cuza” Iași, s.IIa. Biologie vegetală, 59(2): 5-12 [http://cercetare.bio.uaic.ro/publicatii/anale\\_vegetala/issue/2013F2/01-2013F2.pdf](http://cercetare.bio.uaic.ro/publicatii/anale_vegetala/issue/2013F2/01-2013F2.pdf) [PROQUEST, Index Copernicus, DOAJ, ULRICHS WEB].
14. Mihăescu C., **Șuțan N.A.**, 2013. Research *in vitro* action of fungicides of dynamic neperfect pathogens of *Tubercularia vulgaris* Tode and *Alternaria solani* Sorauer. Annals of the University of Craiova, Series Biology, Horticulture, Food Produce Processing Technology, Environmental Engineering, XVIII(LIV):565-570. [https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2013/anale\\_2013.pdf](https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2013/anale_2013.pdf)
15. Dinuță M.V., **Șuțan N.A.**, 2013. *In vitro* micropropagation methods of some *Iris* species. Annals of the University of Craiova, Series Biology, Horticulture, Food Produce Processing Technology, Environmental Engineering, XVIII(LIV): 247-254. [https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2013/anale\\_2013.pdf](https://horticultura.ucv.ro/horticultura/sites/default/files/horticultura/Reviste/Analele/2013/anale_2013.pdf)
16. **Șuțan A.N.**, Popescu A., Mihăescu C., Soare L.C., Marinescu M.V., 2014. Evaluation of cytotoxic and genotoxic potential of the fungicide Ridomil in *Allium cepa* L. Analele Științifice ale Universității „Al. I. Cuza” Iași s. II a. Biologie vegetală, 60(1): 5-12. [http://cercetare.bio.uaic.ro/publicatii/anale\\_vegetala/issue/2014F1/01-2014F1.pdf](http://cercetare.bio.uaic.ro/publicatii/anale_vegetala/issue/2014F1/01-2014F1.pdf) [PROQUEST, INDEX COPERNICUS, DOAJ, ULRICHS WEB].
17. **Șuțan N.A.**, Mihăescu C., Popescu A., Cioran R., 2015. Preliminary results regarding the sensitivity of *Tulipa gesneriana* L. meristematic root cells to fungicide Folpan. Current Trends in Natural Sciences 4(7): 113-117, ISSN 2284-9521 <https://www.natsci.upit.ro/media/1528/paper-15.pdf> [Index Copernicus, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
18. **Șuțan N.A.**, Isac V., Dumnică C., Popescu A., 2017. Studies on the *in vitro* micropropagation ability of *Aronia melanocarpa* (Michx.) Elliot. Current Trends in Natural Sciences, 6(11): 85-92. <https://www.natsci.upit.ro/media/1342/paper-14.pdf> [Index Copernicus, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
19. Mutlu E., Yanik T., **Sutan N.A.**, 2017. Evaluation of the water quality of Topalyurdu Dam (Yildizeli -Sivas). Current Trends in Natural Sciences, 6(12): 277-286. <https://www.natsci.upit.ro/media/1619/paper-42.pdf> [Index Copernicus, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
20. **Șuțan N.A.**, Blănaru R.G., Șuțan C., 2018. Cytogenotoxic potential of surface water – a case study of Argeș River, Romania. Current Trends in Natural Sciences, 7(13): 312-318. <https://www.natsci.upit.ro/media/1678/paper-44.pdf> [Index Copernicus, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
21. **Sutan, N.A.**, 2018. Phytochemical constituents and biological properties of extracts from *Aconitum* sp. - a short review. Current Trends in Natural Sciences, 7(14): 28-39.

- <https://www.natsci.upit.ro/media/1683/paper-4.pdf> [Index Copernicus, SCIOPI, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
22. **Şuţan N.A.**, Soare L.C., Mutlu E., Dobre R., Yanik T., Şuţan C., 2020. Water quality assessment through cytogenotoxic parameters – a case study of Karaçomak River, Turkey. *Current Trends in Natural Sciences*, 9(17):23-30. <https://doi.org/10.47068/ctns.2020.v9i17.003>; <https://natsci.upit.ro/media/2000/003sutan-et-al.pdf> [Index Copernicus, SCIOPI, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
  23. **Şuţan N.A.**, Popescu (Stegarus) D.I., Drăghiceanu O.A., Topală C., Şuţan C., Negrea A.D., Vîlcoci D.Ş., Cîrstea G., Moga S.G., Soare L.C., 2023. In vitro cytotoxic activity of phytosynthesized silver nanoparticles using *Clematis vitalba* L. (Ranunculaceae) aqueous decoction. *Caryologia* 76(2):67-81. doi: 10.36253/caryologia-2330
  24. Colă F., Bonciu E., Colă M., **Şuţan N.A.**, 2023. Evaluation of the antigenotoxic potential of fresh bovine whey in onion meristematic roots exposed to Quizalofop-P-tefuryl. *Caryologia*, 76(4):59–66. <https://doi.org/10.36253/caryologia-1925>.
  25. **Şuţan N.A.**, Bărbuceanu M., Barbuceanu D., Deliu I., 2024. Cytogenotoxic and antimicrobial effects of *Nezara viridula* (L.) (Hemiptera: Heteroptera: Pentatomidae) alcoholic extracts. *Caryologia*, 76(4):39–49. <https://doi.org/10.36253/caryologia-2389>
  26. Luţu, O. A., Soare, L. C., Fierăscu, I., Fierăscu, R.-C., Dobrescu, C. M., Păunescu, A., Ponepal, C. M., Topală, C. M., Vîjan L.E., Deliu I., Negrea A.D., Vîlcoci D. Ştefania, Cîrstea G., Aldea F., Honţaru S.O., **Şuţan, A.N.**, 2024. Phytotoxicity, cytogenotoxicity and antimicrobial potential of extracts with gold-silver bimetallic nanoparticles obtained from pteridophyte spores. *Caryologia*, 77(1):65–82. <https://doi.org/10.36253/caryologia-2424>

#### C.4. Articole publicate în reviste cotate BDI (coautor)

1. Popescu A., **Şuţan N.A.**, Corneanu G., Isac V., 2008. Influence of genotype on micropropagation of two intergeneric hybrids *Fragaria x Potentilla*. *Analele Universităţii din Craiova, Agricultură Montanologie Cadastru*, XXXVIII/B: 379-384. [https://cis01.ucv.ro/analele\\_universitatii/agricultura/2008/vol\\_XXXVIII\\_B\\_2008.pdf](https://cis01.ucv.ro/analele_universitatii/agricultura/2008/vol_XXXVIII_B_2008.pdf) [Index Copernicus]
2. Marinescu M.V., **Şuţan N.A.**, Oprea M.I, 2012. Partial research concerning the behavior of the *Hepatica transsilvanica* in the process of *in vitro* micropropagation. *Journal of Horticulture, Forestry and Biotechnology*, 16(4):42-47. [https://journal-hfb.usab-tm.ro/engleza/2012/Lista%20lucrari%20PDF/Lucrari%2016\(4\)/9%20Marinescu%20Maria.pdf](https://journal-hfb.usab-tm.ro/engleza/2012/Lista%20lucrari%20PDF/Lucrari%2016(4)/9%20Marinescu%20Maria.pdf)
3. Din A., Vîlcoci D.Ş., Ducu C., **Şuţan A.N.**, Sumedrea D.I., Biţă A., Bejenaru L.E., Moga S., Mogoşanu G.D., 2020. Influence of the extraction parameters of antocianes from the fruits of *Aronia melanocarpa* (Michx.) Elliott in the extraction assisted with ultrasound. Preliminary results. *Current Trends in Natural Sciences*, 9(17):296-300, <https://doi.org/10.47068/ctns.2020.v9i17.037> [Index Copernicus, SCIOPI, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
4. Soare L.C., Fierăscu I., Fierăscu R.C., Dobrescu C.M., **Şuţan A.N.**, Drăghiceanu O.A., 2020. The toxicity of extracts with bimetallic nanoparticles on ferns spores germination. *Current Trends in Natural Sciences*, 9(18):133-138. <https://doi.org/10.47068/ctns.2020.v9i18.018>. [Index Copernicus, SCIOPI, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub]
5. Drăghiceanu O.A., Dobrescu C.M., **Şuţan A.N.**, Soare L.C. 2022. The effect of spores extracts with green synthesized bimetallic nanoparticles on *Cucumis sativus* L. *Studii şi Cercetări. Biologie* 31/1:51-56 Universitatea "Vasile Alecsandri" din Bacău, <https://pubs.ub.ro/?pg=revues&rev=scsb&num=202201&vol=31&aid=5434> [Master Journal List ISI Thomson Reuters, PROQUEST LLC, EBSCO, Index Copernicus, SCIOPIPlatform]

6. Soare L.C., **Șuțan A.N.**, Dobrescu C.M., Drăghiceanu O.A. 2022. The allelopathic potential of *Erigeron annuus* (L.) Desf. subsp. *annuus* extracts on crop species. *Studii și Cercetări, Biologie* 31/1: 39-43 Universitatea "Vasile Alecsandri" din Bacău, <https://pubs.ub.ro/?pg=revues&rev=scsb&num=202201&vol=31&aid=5432> [Master Journal List ISI Thomson Reuters, PROQUEST LLC, EBSCO, Index Copernicus, SCIPIOPlatform]

#### **D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)**

1. **Șuțan N.A.**, Yanik T., Popa E., 2015. Comparative genotoxicity of two fungicide formulations in meristematic root cells of *Narcissus pseudonarcissus* cv. 'Samantha'. Full Paper Proceeding GIMAR-2015, 1: 216-225, ISBN: 978-969-9948-09-1 [www.globalilluminators.org](http://www.globalilluminators.org).
2. **Șuțan N.A.**, Mayasari S., Popescu A., Toma A.M., Deliu I., 2015. Evaluation of genotoxic and antimicrobial effects induced by fungicide Dithane M-45. International Conference "Molecular Biology - Current Aspects and Prospects", Cluj-Napoca, 6–8 November 2015; *Studia Universitatis Babeș – Bolyai, Biologia*, Special Issue Vol. 60(LX):5-18 (TC\_5\_2015\_DSN)
3. **Șuțan N.A.**, E. Mutlu, T. Yanik, R. Dobre, 2016. A short report regarding the physicochemical properties of surface water quality in Karaçomak stream, Turkey. AIP Conf. Proc, 1726, International Conference on Advances in Natural and Applied Sciences, 21-23.04.2016, Antalya, Turkey <http://dx.doi.org/10.1063/1.4945845>.

#### **E. Brevete obținute în întreaga activitate**

1. Soare L.C, Fierăscu I., Fierăscu R.C., Ungureanu C., Călinescu M.F., Dobrescu C.M., **Șuțan N.A.** Procedeu de obținere a unei compoziții cu efect antifungic pentru combaterea tulpinilor fitopatogene care afectează culturile de măr/OSIM Nr. 134424/30.04.2024

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