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Gradul didactic: Conf.univ.dr.

Instituția unde este titular: Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: Științe, Educație Fizică și Informatică

Departamentul: Științe ale Naturii

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

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 publicate în ultimii 10 ani

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. Springer, Cham, pp 329-357 DOI10.1007/978-3-319-75103-0_16, https://doi.org/10.1007/978-3-319-75103-0_16, Online ISBN 978-3-319-75103-0, Print ISBN 978-3-319-75102-3, Publisher: Springer Nature. (TC_5_2018_DSN)
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. (TC_3_2018_DSN)
3. 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 (TC_4_2021_DSN)
4. 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 (TC_4_2021_DSN)
5. 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 (TC_3_2018_DSN)
6. Khan Z., Șutan N.A., 2023. Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation, CABI, ISBN: 978-1-80062-307-1, 240 pages (TC_16_2023_DSN)

7. Vîlcoci 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> (TC_16_2023_DSN)
 8. Ponepal, C., Șuțan, N., Bărbuceanu, D., Păunescu, A., Stegăruș, D., **Soare, L.** (2024). Freshwater Toxicity Tests and Experimental Environment Procedures. In: Atamanalp, M., Alak, G., Uçar, A., Parlak, V. (eds) Aquatic Toxicology in Freshwater. Springer Water. Springer, Cham. https://doi.org/10.1007/978-3-031-56669-1_4 (TC_1_2024_DSN)
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C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

Articole în reviste cotate ISI Thomson Reuters

1. **Șuțan N.A.**, Fierăscu I., Fierăscu R.C., Manolescu D.S., Soare C.L., 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 <http://dx.doi.org/10.1016/j.indcrop.2016.01.011> (TC_12_2016_DSN)
2. Fierăscu I., Milen I.G., Ortan A., Fierăscu R.C., Avramescu S.M., Ionescu D., **Șuțan 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 (TC_4_2017_DSN)
3. Fierascu R.C., Georgiev M.I., Fierascu I., Ungureanu C., Avramescu S.M., Ortan A., Georgescu M.I., **Sutan N.A.**, Zangfirescu 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 (TC_3_2018_DSN)
4. Fierascu I., Ungureanu C., Avramescu S.M., Cimpeanu C., Georgescu M.I., Fierascu R. C., Ortan A., **Sutan A.N.**, Anuta V., Zangfirescu 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 (TC_3_2018_DSN)
5. **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, International Journal of Cytology, Cytosystematics and Cytogenetics, 1-9, DOI: 10.1080/00087114.2018.1486117, <https://doi.org/10.1080/00087114.2018.1486117> (TC_3_2018_DSN)
6. **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, <https://doi.org/10.1016/j.msec.2018.08.042> (TC_3_2018_DSN)
7. 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: International Journal of Cytology, Cytosystematics and Cytogenetics, 71(3): 191-209, <https://doi.org/10.1080/00087114.2018.1503496> (TC_3_2018_DSN)
8. 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 (TC_3_2018_DSN)

9. **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. <https://doi.org/10.1007/s10876-019-01524-9> (TC_11_2019_DSN)
10. **Şuţan 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/cayologia-255; WOS:000516775100007; ISSN 0008-7114; eISSN 2165-5391. (TC_11_2019_DSN)
11. 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. (TC_3_2019_DSN)
12. Fierascu R.C., Fierascu I., Lungulescu E.M., Nicula N., Somoghi R., Diţu 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 (TC_4_2020_DSN)
13. **Şuţan 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 (TC_4_2021_DSN)
14. Heikal Y.M., **Şuţan 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 (TC_4_2021_DSN)
15. 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 (TC_3_2020_DSN)
16. Fierascu I., Ditu L.M., **Sutan A.N.**, Drăghiceanu O.A., Fierascu 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 (TC_4_2021_DSN)
17. Şuţan NA, Fierăscu I, Şuţan C, **Soare LC**, Neblea AM, Somoghi R, Fierăscu RC, 2021. *In vitro* mitodepressive activity of phytofabricated silver oxide nanoparticles (Ag₂O-NPs) by leaves extract of *Helleborus odorus* Waldst. & Kit. ex Willd, Materials Letters, 286: 129194, **FI=3.574**, <https://doi.org/10.1016/j.matlet.2020.129194>, WOS:000615986100001, ISSN 0167-577X, eISSN 1873-4979. (TC_4_2021_DSN)
18. Popescu, D.I.; Lengyel, E.; Apostolescu, F.G.; Soare, L.C.; Botoran, O.R.; **Şuţan, 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 (TC_3_2022_DSN)
19. Bonciu E., Paraschivu M., **Şuţan 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:

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20. Uță G., Manolescu D., **Șuțan 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 (TC_3_2022_DSN)
21. Mukhopadhyay M., Mukherjee A., Ganguli S., Chakraborti A., Roy S., Choudhury S.S., Subramaniyan V., Kumarasamy V., Sayed A., El-Demerdash F.M., Almutairi M., **Șuțan N.A.**, Dhara B., Mitra A.K., 2023. Marvels of bacilli in soil amendment for plant-growth promotion towards sustainable development having futuristic socio-economic implications. *Frontiers in Microbiology*, 2023: 1293302 (TC_3_2023_DSN)
22. Popescu (Stegăruș) 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 (TC_3_2023_DSN)
23. 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 (TC_3_2023_DSN)
24. 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 (TC_3_2023_DSN)
25. Ponopal C.M., Soare L.C., Draghiceanu O.A., Mihaescu C.F., **Șuțan N.A.**, Tânțu 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 (TC_15_2023_DSN)
26. Kara A., Akkose A., Gelen S.U., Uçar A., Parlak V., Kocaman E.M., Atamanalp M., **Șuțan 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*, DOI: <https://doi.org/10.1016/j.heliyon.2024.e31146> (TC_2_2024_DSN)
27. Turkez H., Alak G., Ozgeris F.B., Cilingir Yeltekin A., Ucar A., Parlak V., **Șuțan 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*, 1–10. <https://doi.org/10.1080/01480545.2024.2370916> (TC_1_2024_DSN)
28. Mitoi E.M., Aldea F., Helepciuc F.E., Ciocan A.-G., Frum A., Popescu D.I., Luțu O.A., **Șuțan N.A.**, Soare L.C. The production of useful phenol compounds with antioxidant potential in gametophytes and sporophytes from *in vitro* cultures in four ornamental ferns species. *Horticulturae* **2024**, 10, 799. <https://doi.org/10.3390/horticulturae10080799> (TC_2_2024_DSN)
29. **Șuțan N.A.**, Paunescu A., Topala, C., Dobrescu C., Ponopal M.C., Popescu (Stegarus) D.I., Soare L.C., Tamaian R. Aconitine in synergistic, additive and antagonistic approaches. *Toxins* **2024**, 16, 460. <https://doi.org/10.3390/toxins16110460> (TC_3_2024_DSN)
30. 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> (TC_10_2024_DSN)

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31. **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.
32. **Șuțan N.A.**, Isac V., Duminică 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 (TC_4_2017_DSN)
33. **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 (TC_3_2018_DSN)
34. **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 (TC_3_2018_DSN)
35. Din A., Vîlcoci D.Ș., Ducu C., **Șuțan A.N.**, Sumedrea D.I., Biță A., Bejenaru L.E., Moga S., Mogoșanu 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, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub] (TC_1_2021_DSN)
36. Soare L.C., Fierăscu I., Fierăscu R.C., Dobrescu C.M., **Șuțan 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, SCPIO, DOAJ, Crossref, CAB Abstracts, EBSCO Essentials, EuroPub] (TC_4_2020_DSN)
37. **Șuțan N.A.**, Soare L.C., Mutlu E., Dobre R., Yanik T., Șuțan 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, SCPIO, DOAJ, [Crossref](#), CAB Abstracts, EBSCO Essentials, EuroPub] (TC_4_2020_DSN)
38. Drăghiceanu O.A., Dobrescu C.M., **Șuțan A.N.**, Soare L.C. 2022. The effect of spores extracts with green synthesized bimetallic nanoparticles on *Cucumis sativus* L. Studii și 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, SCPIOPlatform] (TC_3_2022_DSN)
39. 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, SCPIOPlatform] (TC_8_2022_DSN)
40. **Șuțan 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> (TC_2_2024_DSN)
41. Luțu O.A., Soare L.C., Fierăscu I., Fierăscu R.-C., Dobrescu C.M., Păunescu A., Ponopal

C.M., Topală C.M., Vișan L.E., Deliu I., Negrea A.D., Vîlcoci D.Ș., Cîrstea G., Aldea F., Honțaru S.O., **Șuțan, 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> (TC_2_2024_DSN)

D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

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Selecție cu maximum 20 lucrări în volume de conferințe

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.
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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30.10.2024

Semnătura:

Conf.univ.dr. Anca Șuțan