

Articole publicate

Lista lucrărilor publicate în calitate de autor principal

1. **Stache, A.B.**; Mihăilă, I.; Gerber, I.C.; Dragoș, L.M.; Mihai, C.T.; Ivanov, I.C.; Topală, I.; Gorgan, D.-L., 2023. Optimization of Indirect CAP Exposure as an Effective Osteosarcoma Cells Treatment with Cytotoxic Effects. Appl. Sci., 13, 7803. <https://doi.org/10.3390/app13137803> (I.F. 2,7; AIS. 0,413).
2. **Stache, A.B.**; Mihăilă, I.; Gerber, I.C.; Dragoș, L.M.; Mihai, C.T.; Ivanov, I.C.; Topală, I.; Gorgan, D.-L., 2023. Cold atmospheric plasma treatment modulates the expression of cdk1, tnf α and tp53 genes in human osteosarcoma cells. J Exp Molec Biol 24(3):x-xx. <https://doi.org/10.47743/jemb-2023-100> (Articol BDI).

Lista lucrărilor publicate în calitate de co-autor

1. Dragoș, M.L.; Ivanov, I.C.; Mențel, M.; Văcărean-Trandafir, I.C.; Sireteanu, A.; Titianu, A.A.; Dăscălescu, A.S.; **Stache, A.B.**; Jitaru, D.; Gorgan, D.L., 2022. Prognostic Value of Association of Copy Number Alterations and Cell-Surface Expression Markers in Newly Diagnosed Multiple Myeloma Patients. Int. J. Mol. Sci., 23, 7530. <https://doi.org/10.3390/ijms23147530> (I.F. 5,6; AIS 1,028)
2. Boiangiu, R.S.; Mihasan, M.; Gorgan, D.L.; **Stache, B.A.**; Hritcu, L., 2021. Anxiolytic, Promnesic, Anti-Acetylcholinesterase and Antioxidant Effects of Cotinine and 6-Hydroxy-L-Nicotine in Scopolamine-Induced Zebrafish (*Danio rerio*) Model of Alzheimer's Disease. Antioxidants, 10, 212. <https://doi.org/10.3390/antiox10020212> (I.F. 7,675; AIS 0,92)
3. Boiangiu, R.S.; Mihasan, M.; Gorgan, D.L.; **Stache, B.A.**; Petre, B.A.; Hritcu, L., 2020. Cotinine and 6-Hydroxy-L-Nicotine Reverses Memory Deficits and Reduces Oxidative Stress in A β 25-35-Induced Rat Model of Alzheimer's Disease. Antioxidants, 9, 768. <https://doi.org/10.3390/antiox9080768> (I.F. 6,313; AIS 0,91)

Participări la manifestări științifice

Lista lucrărilor susținute la conferințe internaționale

1. **Stache A.B.**, Dragoș M.L., Ivanov I.C., Mihăilă I., Topală I., Mihai C.T., Gorgan D.L., The impact of two different cold atmospheric plasma-exposed media treatments on the osteosarcoma cells viability. *CONFER 2020*, November 19th-22nd, 2020, Iași, România.
2. **Stache A.B.**, Dragoș M.L., Ivanov I.C., Topală I., Mihăilă I., Mihai C.T., Gorgan D.L., Cold atmospheric plasma indirect treatment generates different anti-apoptotic genetic response in osteoblasts and osteosarcoma cells. *CONFER 2021*, November 18th-21st, 2021, Iași, România.
3. **Stache A.B.**, Dragoș M.L., Ivanov I.C., Topală I., Mihăilă I., Mihai C.T., Gorgan D.L., Evaluation of the intracellular reactive oxygen and nitrogen species induced by cold atmospheric plasma treatment. *CONFER 2022*, November 24th-26th, 2022, Iași, România.
4. Gherghel D., Cădinoiu A.N., Atanase L.I., Popa M., Sande A.S., Mihai C.T., **Stache A.B.**, Vochița G., In vitro biocompatibility assessment of new functionalized chitosan-coated liposome nanoparticles. *XXXIth edition of the International Congress of "Apollonia" University of Iasi "By promoting excellence, we prepare the future"*, March 2nd-5th, 2023, Iași, România.
5. Brînza I., **Stache A. B.**, Omayma E., Gorgan D.L., Mihășan M., Hrițcu L., Sweroside supports memory function by increasing mRNA expression of bdnf, creb, npy and decreasing AChE activity and brain oxidative stress in the scopolamine induced zebrafish model (*Danio rerio*). *YSF congressis*. July 6th-9th, 2022, Vimeiro, Portugal,.
6. Brînza I., **Stache A. B.**, Omayma E., Gorgan D.L., Mihășan M., Hrițcu L., Sweroside supports memory function by increasing mRNA expression of bdnf, creb, npy and decreasing AChE activity and brain oxidative stress in the scopolamine induced zebrafish model (*Danio rerio*). *IUBMB-FEBS-PABMB congressis*, July 9th-14th, 2022, Lisbon, Portugal.
7. Brînza I., **Stache A. B.**, Omayma E., Gorgan D.L., Mihășan M., Hrițcu L., Baicalein Prevent Scopolamine-Induced Memory Impairment in Zebra Fish by Increasing the

Creb Protein Level and the mRNA Expression Of Bdnf and Creb1 Gene. „*Life sciences in the dialogue of generations: connections between universities, academia and business community*”, September 29th-30th, 2022, Chisinau, Republica Moldova.

8. Brînză I., **Stache A. B.**, Omayma E., Gorgan D.L., Mihășan M., Hrițcu L., Sweroside supports memory function in the scopolamine-induced zebrafish model (*Danio rerio*) of Alzheimer disease, International conference and XXXIXth scientific session of the Romanian Society for Cell Biology, 21st-23rd, 2022, Cluj-Napoca, Romania.

Lista lucrărilor susținute la conferințe naționale

1. **Stache A.B.**, Dragoș M.L., Mihăilă I., Topală I., Gorgan D.L., Cold plasma-induced apoptosis in osteosarcoma cells. *11th national congress with international participation and 37th annual scientific session of Romanian Society for Cell Biology*, June 20th-23rd, 2019, Constanța, România.
2. **Stache A.B.**, Dragoș M.L., Mihăilă I., Topală I., Gorgan D.L., CAP treatment modulates the apoptosis and cell cycle control in a human osteosarcoma cell line. *Conferința școlilor doctorale din cadrul Universității „Alexandru Ioan Cuza” din Iași*, October 22nd-23rd, 2020, Iași, România.
3. **Stache A.B.**, Dragoș M.L., Topală I., Mihăilă I., Mihai C.T., Gorgan D.L., Impactul tratamentului cu plasmă non-termică la presiune atmosferică asupra expresiei genelor asociate controlului apoptozei. *Sesiunea științifică a Facultății de Biologie - Tendințe în biologie: de la molecule la sisteme complexe*. October 28th-29th, 2021, Iași, România.