

Candidat: Stache Alexandru Bogdan

Facultatea de Biologie

Postul: Asistent universitar

Poziția în Statul de funcții: 75

Listă de lucrări

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>.
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, tnfa and tp53 genes in human osteosarcoma cells*. J Exp Molec Biol 24(3), 175–194. <https://doi.org/10.47743/jemb-2023-100>.
3. Ion Brinza, **Bogdan Alexandru Stache**, Marius Mihasan, Dragos Lucian Gorgan, Mohamed A. El Raey, Walaa El-Kashak, Omayma A. Eldahshan and Lucian Hritcu. *Sweroside Modulates Oxidative Stress and Neuroplasticity-Related Gene Expression in Scopolamine-Treated Zebrafish*. CNS & Neurological Disorders - Drug Targets, 2025, in press. <https://doi.org/10.2174/0118715273345712250119200430>.
4. Postu, P.A.; Boiangiu, R.S.; Mihasan, M.; **Stache, A.B.**; Tiron, A.; Hritcu, L. *The Distinct Biological Effects of 6-Hydroxy-L-Nicotine in Representative Cancer Cell Lines*. Molecules 2024, 29, 5593. <https://doi.org/10.3390/molecules29235593>.
5. Brinza, I.; Boiangiu, R.S.; Mihasan, M.; Gorgan, D.L.; **Stache, A.B.**; Abd-Alkhalek, A.; El-Nashar, H.; Ayoub, I.; Mostafa, N.; Eldahshan, O.; et al. *Rhoifolin, Baicalein 5,6-Dimethyl Ether and Agathisflavone Prevent Amnesia Induced in Scopolamine Zebrafish (Danio Rerio) Model by Increasing the MRNA Expression of Bdnf, Npy, Egr-1, Nfr2a, and Creb1* Genes. Eur. J. Pharmacol. 2024, 984, 177013. <https://doi.org/10.1016/j.ejphar.2024.177013>.
6. Vochița, G.; Cadinoiu, A.N.; Rață, D.-M.; Atanase, L.I.; Popa, M.; Mahdieh, A.; Mihai, C.-T.; **Stache, A.-B.**; Moldovan, C.-V.; Băcăiță, E.S.; et al. *Comparative In Vitro Study between Biocompatible Chitosan-Based Magnetic Nanocapsules and Liposome Formulations with Potential Application in Anti-Inflammatory Therapy*. Int. J. Mol. Sci. 2024, 25, 8454. <https://doi.org/10.3390/ijms25158454>.
7. 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. *Prognostic Value of Association of Copy Number Alterations and Cell-Surface Expression Markers in Newly*

Diagnosed Multiple Myeloma Patients. Int. J. Mol. Sci. 2022, 23, 7530. <https://doi.org/10.3390/ijms23147530>.

8. Boianuiu, R.S.; Mihasan, M.; Gorgan, D.L.; **Stache, B.A.**; Hritcu, L. *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 2021, 10, 212. <https://doi.org/10.3390/antiox10020212>.
9. Boianuiu, R.S.; Mihasan, M.; Gorgan, D.L.; **Stache, B.A.**; Petre, B.A.; Hritcu, L. *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 2020, 9, 768. <https://doi.org/10.3390/antiox9080768>.

Teza de doctorat: *Evaluarea efectelor tratamentului cu plasmă non-termică la presiune atmosferică pe modele celulare in vitro*