

1. Valu MV, Soare LC, Sutan NA, Ducu C, Moga S, Hritcu L, Boiangiu RS, Carradori S., 2020, Optimization of Ultrasonic Extraction to Obtain Erinacine A and Polyphenols with Antioxidant Activity from the Fungal Biomass of *Hericium erinaceus*, *Foods*. 2020 Dec 18;9(12):1889. doi: 10.3390/foods9121889.
2. Capatina L, Todirascu-Ciornea E, Napoli EM, Ruberto G, Hritcu L, Dumitru G., 2020, *Thymus vulgaris* Essential Oil Protects Zebrafish against Cognitive Dysfunction by Regulating Cholinergic and Antioxidants Systems, *Antioxidants (Basel)*. 2020 Nov 4;9(11):1083. doi: 10.3390/antiox9111083.
3. Postu PA, Gorgan DL, Cioanca O, Russ M, Mikkat S, Glocker MO, Hritcu L., 2020, Memory-Enhancing Effects of *Origanum majorana* Essential Oil in an Alzheimer's Amyloid beta1-42 Rat Model: A Molecular and Behavioral Study, *Antioxidants (Basel)*. 2020 Sep 26;9(10):919. doi: 10.3390/antiox9100919.
4. Boiangiu RS, Mihasan M, Gorgan DL, Stache BA, Petre BA, 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 (Basel)*. 2020 Aug 18;9(8):768. doi: 10.3390/antiox9080768.
5. Brinza I, Abd-Alkhalek AM, El-Raey MA, Boiangiu RS, Eldahshan OA, Hritcu L., 2020, Ameliorative Effects of Rhoifolin in Scopolamine-Induced Amnesic Zebrafish (*Danio rerio*) Model, *Antioxidants (Basel)*. 2020 Jul 3;9(7):580. doi: 10.3390/antiox9070580.
6. Hritcu L, Boiangiu RS, de Moraes MC, de Sousa DP., 2020, (-)- cis-Carveol, a Natural Compound, Improves β -Amyloid-Peptide 1-42-Induced Memory Impairment and Oxidative Stress in the Rat Hippocampus, *Biomed Res Int*. 2020 Apr 22;2020:8082560. doi: 10.1155/2020/8082560. eCollection 2020.
7. Abidar S, Boiangiu RS, Dumitru G, Todirascu-Ciornea E, Amakran A, Cioanca O, Hritcu L, Nhiri M., 2020, The Aqueous Extract from *Ceratonia siliqua* Leaves Protects Against 6-hydroxydopamine in Zebrafish: Understanding the Underlying Mechanism, *Antioxidants (Basel)*. 2020 Apr 8;9(4):304. doi: 10.3390/antiox9040304.
8. Boiangiu RS, Brinza I, Hancianu M, Erdogan Orhan I, Eren G, Gündüz E, Ertas H, Hritcu L, Cioanca O., 2020, Cognitive Facilitation and Antioxidant Effects of an Essential Oil Mix on Scopolamine-Induced Amnesia in Rats: Molecular Modeling of In Vitro and In Vivo Approaches, *Molecules*. 2020 Mar 27;25(7):1519. doi: 10.3390/molecules25071519.

9. Capatina L, Boianiu RS, Dumitru G, Napoli EM, Ruberto G, Hritcu L, Todirascu-Ciornea E., 2020, Rosmarinus officinalis Essential Oil Improves Scopolamine-Induced Neurobehavioral Changes via Restoration of Cholinergic Function and Brain Antioxidant Status in Zebrafish (*Danio rerio*), *Antioxidants (Basel)*. 2020 Jan 10;9(1):62. doi: 10.3390/antiox9010062.