

**UNIVERSITATEA „ALEXANDRU IOAN CUZA” din IAȘI****FACULTATEA DE BIOLOGIE****DEPARTAMENTUL DE BIOLOGIE****POZIȚIA POSTULUI: Profesor universitar, poziția 7****Post publicat în Monitorul Oficial al României, nr. 402, partea a III-a, din data de 28.04.2015**

## LISTĂ DE LUCRĂRI

A) Lista lucrări relevante (maximum 10)
B) Teza de doctorat
C) Cărți și capitole de cărți
D) Articole/studii publicate <i>in extenso</i> , în reviste din circuitul științific internațional
E) Articole/studii publicate <i>in extenso</i> , în volumele conferințelor internaționale de specialitate
F) Alte lucrări și contribuții științifice

### A) LISTA LUCRĂRI RELEVANTE (maximum 10)

- A.1. Hritcu L., Noumedem JA, Cioanca O, Hancianu M, Postu P, Mihasan M, 2015, Anxiolytic and antidepressant profile of the methanolic extract of *Piper nigrum* fruits in beta-amyloid (1–42) rat model of Alzheimer's disease, *Behavioral and Brain Functions* 11(1):13, doi:10.1186/s12993-015-0059-7.  
(IF: 2,00; AI: 0,9992)
- A.2. Cioanca O., Hancianu M., Mihasan M., Hritcu L., 2015, Anti-acetylcholinesterase and antioxidant activities of inhaled juniper oil on amyloid beta (1–42)-induced oxidative stress in the rat hippocampus, *Neurochemical Research*, 40(5):952-960.  
(IF: 2,551; AI: 0,6253)
- A.3. Cioanca O., Hritcu L., Mihasan M., Trifan A., Hancianu M., 2014, Inhalation of coriander volatile oil increased anxiolytic-antidepressant-like behaviors and decreased oxidative status in beta-amyloid (1-42) rat model of Alzheimer's disease, *Physiology & Behavior*, 131: 68-74.  
(IF 3,033; AI 1,0084)
- A.4. Beppe G.J., Dongmo A.B., Foyet H.S., Tsabang N., Olteanu Z., Cioanca O., Hancianu M., Dimo T., Hritcu L., 2014, Memory-enhancing activities of the aqueous extract of *Albizia adianthifolia* leaves in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease, *BMC Complementary and Alternative Medicine*, 14:142: 1-11.  
(IF 1,88; AI 0,775)
- A.5. Hritcu L., Gorgan DL, 2014, Intranigral lipopolysaccharide induced anxiety and depression by altered BDNF mRNA expression in rat hippocampus, *Progress in Neuropsychopharmacology & Biological Psychiatry*, 51:126-132.  
(IF 4,025; AI 0,7859)
- A.6. Gradinaru V., Cioanca O., Hritcu L., Trifan A., Gille E., Hancianu M., 2014, Comparative efficacy of *Ocimum sanctum* L. and *Ocimum basilicum* L. essential oils against amyloid beta (142)-induced anxiety and depression in laboratory rats, *Phytochemistry Reviews*, DOI 10.1007/s11101-014-9389-6.  
(IF 2,894; AI 2,6989)
- A.7. Hritcu L., Ciobica A., 2013, Intranigral lipopolysaccharide administration induced behavioral deficits and oxidative stress damage in laboratory rats: Relevance for Parkinson's disease, *Behavioural Brain Research*, 253, 25-31.  
(IF: 3,391; AI:0,9647)
- A.8. Hancianu M., Cioanca O., Mihasan M., Hritcu L. 2013, Neuroprotective effects of inhaled lavender oil on scopolamine-induced dementia via anti-oxidative activities in rats, *Phytomedicine*, 20(5):446-452.  
(IF: 2,877; AI: 0,6511)
- A.9. Hritcu L., Cioanca O., Hancianu M. 2012, Effects of lavender oil inhalation on improving scopolamine-induced spatial memory impairment in laboratory rats, *Phytomedicine*, 19(6): 529-534.  
(IF: 2,877; AI: 0,6511)



- A.10. Benosman S., Meng Y., Von Grabovicki Y., Palamiuc L., Gross I., Taya Y., Hritcu L., Loeffler J.P., Gaiddon C. 2011, Complex regulation of p73 isoforms after alteration of the amyloid precursor polypeptide (APP) function and DNA damages in neurons, *Journal of Biological Chemistry*, 286(50):43013-43025.

(IF: 4,600; AI: 2,0307)

## B) TEZA DE DOCTORAT

- B.1. **„ROLUL UNOR ZONE NERVOASE ȘI AL UNOR NEUROTRANSMIȚĂTORI ÎN REGLAREA FUNCȚIEI DE APĂRARE A ORGANISMULUI ANIMAL”**, susținută public la 8/07/2006, distincția *Cum laudae* în baza Ordinului Ministrului Educației și Cercetării nr. 5764/28.11.2006, Conducător de doctorat: **Prof. dr. Ion BĂRA**.

## C) CĂRȚI ȘI CAPITOLE DE CĂRȚI

### C.1. CĂRȚI PUBLICATE LA EDITURI ACADEMICE NAȚIONALE

- C.1.1. Hritcu L. 2011, *Neurofiziologie – Rolul unor neurotransmițatori și zone nervoase în modularea proceselor cognitive și imunitare*, Editura Universității „Alexandru Ioan Cuza” din Iași, ISBN 978-973-640-670-6, 231 pagini, Tiraj: 70 exemplare.
- C.1.2. Hritcu L. 2012, *Fiziologie animală experimentală*, Editura Universității „Alexandru Ioan Cuza” din Iași, ISBN: 978-973-703-849-4, 130 pagini, Tiraj: 70 exemplare.

### C.2. CĂRȚI PUBLICATE LA EDITURI NAȚIONALE, RECUNOSCUTE DE CNCIS

- C.2.1. Hritcu L., Hefco V. 2007, *Elemente de fiziologia animalelor și a omului – funcții de relație*. Editura PIM (acreditată CNCIS, cod CNCIS 66), Iași, ISBN 978-973-716-695-1, 301 pagini, Tiraj: 70 exemplare.
- C.2.2. Hritcu L. 2010, *Fiziologia animalelor și a omului – sistemul endocrin, reproducerea și funcțiile de nutriție*. Editura Tehnopress (acreditată CNCIS, cod CNCIS 89), Iași, ISBN 978-973-702-580-7, 392 pagini, Editată cu sprijinul Autorității Naționale pentru Cercetare Științifică (ANCS), Tiraj 100 exemplare.

### C.3. CAPITOLE DE CARTE, PUBLICATE LA EDITURI INTERNAȚIONALE

- C.3.1. Hritcu L., Foyet H.S. 2012, *Neuroprotective effects of the methanolic extract of Hibiscus Asper leaves against a 6-hydroxydopamine-induced rodent model of Parkinson's disease*. In: Yoshida C. and Ito A.(eds.), *Parkinson's disease: Diagnosis, Treatment and Prognosis*, Nova Science Publishers, Inc., New York, USA, pp. 209-216, ISBN: 978-1-61942-830-0.

### C.4. CAPITOLE DE CARTE, PUBLICATE LA EDITURI ACADEMICE NAȚIONALE

- C.4.1. Mihasan M., Hritcu L., Stefan M., 2014, *New biotechnological applications of the metabolic derivatives from *Arhrobacter nicotinovorans**. In: Stefan M. (ed.), *Applied microbiology: from plant growth promotion to new neuroprotective drugs*, Editura Universității „Alexandru Ioan Cuza” din Iași, ISBN 978-606-714-091-0, pp. 140-169.



## D) ARTICOLE / STUDII PUBLICATE *IN EXTENSO*, ÎN REVISTE DIN CIRCUITUL ȘTIINȚIFIC INTERNAȚIONAL

### D.1. ARTICOLE PUBLICATE *IN EXTENSO* ÎN REVISTE COTATE ISI

(Factor impact cumulat= 90,697; Număr total de citări=409)

#### Lucrări de la ultima promovare (D.1.1.-D.1.13)

- D.1.1 Cioanca O., Hancianu M., Mihasan M., Hritcu L., 2015, Anti-acetylcholinesterase and antioxidant activities of inhaled juniper oil on amyloid beta (1–42)-induced oxidative stress in the rat hippocampus, *Neurochemical Research*, 40(5):952-960.  
(IF: 2,551; AI: 0,6253)
- D.1.2 Hritcu L., Stefan M., Brandsch R., Mihasan M., 2015, Enhanced behavioral response by decreasing brain oxidative stress to 6-hydroxy-L-nicotine in Alzheimer's disease rat model, *Neuroscience Letters*, 591, 41-47.  
(IF: 2,055; AI: 0,6336)
- D.1.3 Hritcu L., Noumedem JA, Cioanca O, Hancianu M, Postu P, Mihasan M, 2015, Anxiolytic and antidepressant profile of the methanolic extract of *Piper nigrum* fruits in beta-amyloid (1–42) rat model of Alzheimer's disease, *Behavioral and Brain Functions* 11(1):13, doi:10.1186/s12993-015-0059-7.  
(IF: 2,00; AI: 0,9992)
- D.1.4 Cioanca O., Mircea C., Hritcu L., Trifan A., Mihasan M., Aprotosoiaie A.C., Robu S., Gille E., Hancianu M., 2015, *In vitro* – *In vivo* correlation of the antioxidant capacity of salviae aetheroleum essential oil, *FARMACIA*, 63(1): 34-39.  
(IF: 1,251; AI: 0,0432)
- D.1.5 Matiut S.D., Hritcu L., 2015, The pathogenic role of *Blastocystis* isolated from patients with irritable bowel syndrome and colitis from Iasi, Romania, *Acta Parasitologica*, 60(1), 116–123.  
(IF: 0,965; AI:0,264)
- D.1.6 Gradinariu V., Cioanca O., Hritcu L., Trifan A., Gille E., Hancianu M., 2014, Comparative efficacy of *Ocimum sanctum* L. and *Ocimum basilicum* L. essential oils against amyloid beta (142)-induced anxiety and depression in laboratory rats, *Phytochemistry Reviews*, DOI 10.1007/s11101-014-9389-6.  
(IF 2,894; AI 2,6989)
- D.1.7 Cioanca O., Hritcu L., Mihasan M., Trifan A., Hancianu M., 2014, Inhalation of coriander volatile oil increased anxiolytic-antidepressant-like behaviors and decreased oxidative status in beta-amyloid (1-42) rat model of Alzheimer's disease, *Physiology & Behavior*, 131: 68-74.  
(IF 3,033; AI 1,0084)
- D.1.8 Hritcu L., Bild V., Foyet H.S., Ciobica A., Serban I.L., Timofte D., Anton E., 2014, Antioxidative effects of the methanolic extract of *Hibiscus asper* leaves in mice, *Romanian Biotechnological Letters*, 19(3): 9376-9383.  
(IF 0,351; AI 0,05)
- D.1.9 Beppe G.J., Dongmo A.B., Foyet H.S., Tsabang N., Olteanu Z., Cioanca O., Hancianu M., Dimo T., Hritcu L., 2014, Memory-enhancing activities of the aqueous extract of *Albizia adianthifolia* leaves in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease, *BMC Complementary and Alternative Medicine*, 14:142: 1-11.  
(IF 1,88; AI 0,775)
- D.1.10 Hritcu L., Noumedem JA, Cioanca O, Hancianu M, Kuete V, Mihasan M, 2014, Methanolic extract of *Piper nigrum* fruits improves memory impairment by decreasing brain oxidative stress in amyloid beta(1-42) rat model of Alzheimer's disease, *Cellular and Molecular Neurobiology*, 34(3): 437-449.  
(IF 2,201; AI 0,6685)
- D.1.11 Hritcu L., Gorgan DL, 2014, Intranigral lipopolysaccharide induced anxiety and depression by altered BDNF mRNA expression in rat hippocampus, *Progress in Neuropsychopharmacology & Biological Psychiatry*, 51:126-132.  
(IF 4,025; AI 0,7859)
- D.1.12 Cioanca O., Mircea C., Trifan A., Aprotosoiaie A.C., Hritcu L., Hancianu M., 2014, Improvement of amyloid- $\beta$ -induced memory deficits by *Juniperus communis* L. volatile oil in a rat model of Alzheimer's disease, *FARMACIA*, 62(3): 506-512.  
(IF 1,225; AI 0,0432)
- D.1.13 Cioanca O., Hritcu L., Mihasan M., Hancianu M., 2013, Cognitive-enhancing and antioxidant activities of inhaled coriander volatile oil in amyloid  $\beta$ (1-42) rat model of Alzheimer's disease, *Physiology and Behavior*, 120: 193-202.  
(IF 3,033; AI 1,0084)



- D.1.14 Hritcu L., Ciobica A., 2013, Intranigral lipopolysaccharide administration induced behavioral deficits and oxidative stress damage in laboratory rats: Relevance for Parkinson's disease, *Behavioural Brain Research*, 253, 25-31.  
(IF: 3,391; AI:0,9647)
- D.1.15 Lefter R., Ciobica A., Hritcu L., Stoica B., Cojocaru D., Olteanu Z., 2013, The effects of a 6-OHDA induced lesion in murine nucleus accumbens on memory and oxidative stress status, *Central European Journal of Medicine*, 8: 443-449.  
(IF: 0,209; AI:0,0699)
- D.1.16 Mihasan M., Capatina L., Neagu E., Stefan M., Hritcu L., 2013, *In-silico* identification of 6-hydroxy-L-nicotine as a novel neuroprotective drug, *Romanian Biotechnological Letters*, 18, 8333-8340.  
(IF: 0,351; AI:0,05)
- D.1.17 Gradinariu V., Cioanca O., Gille E., Apotrosoaie A.C., Hritcu L., Hancianu M., 2013, The chemical profile of basil biovarieties and its implication on the biological activity, *FARMACIA*, 61: 632-639.  
(IF: 1,251; AI:0,0432)
- D.1.18 Bild W., Hritcu L., Stefanescu C., Ciobica A. 2013, Inhibition of central angiotensin II enhances memory function and reduces oxidative stress status in rat hippocampus, *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 43, 79-88.  
(IF: 4,025; AI:0,7859)
- D.1.19 Mihasan M., Stefan M., Hritcu L., Artenie V., Brandsch R. 2013, Evidence of a plasmid-encoded oxidative xylose-catabolic pathway in *Arthrobacter nicotinovorans* pAO1, *Research in Microbiology*, 164: 22-30.  
(IF: 2,826; AI: 0,9796)
- D.1.20 Hritcu L., Stefan M., Brandsch R., Mihasan M. 2013, 6-hydroxy-L: -nicotine from *Arthrobacter nicotinovorans* sustain spatial memory formation by decreasing brain oxidative stress in rats, *Journal of Physiology and Biochemistry*, 69: 25-34  
(IF: 2,496; AI: 0,3364)
- D.1.21 Stefan M., Melnig V., Pricop D., Neagu A., Mihasan M., Tartau L., Hritcu L. 2013, Attenuated effects of chitosan-capped gold nanoparticles on LPS-induced toxicity in laboratory rats, *Materials Science and Engineering C*, 33: 550-556.  
(IF: 2,736; AI: 0,6067).
- D.1.22 Hancianu M., Cioanca O., Mihasan M., Hritcu L. 2013, Neuroprotective effects of inhaled lavender oil on scopolamine-induced dementia via anti-oxidative activities in rats, *Phytomedicine*, 20(5):446-452.  
(IF: 2, 877; AI: 0,6511)
- D.1.23 Arcan O., Ciobica A., Bild W., Hritcu L., Cojocaru D. 2013, The effects of central angiotensin II and its specific blockers on nociception. Possible interactions with oxidative stress status, *Journal of Medical Biochemistry*, 32: 52-58.  
(IF: 0,721; AI: 0).
- D.1.24 Stefan M., Munteanu N., Stoleru V., Mihasan M., Hritcu L. 2013, Seed inoculation with plant growth promoting rhizobacteria enhances photosynthesis and yield of runner bean (*Phaseolus coccineus* L.), *Scientia Horticulturae*, 151: 22-29.  
(IF: 1,504; AI: 0,3462).
- D.1.25 Ciobica A., Padurariu M., Hritcu L. 2012, The effects of short-term nicotine administration on behavioral and oxidative stress deficiencies induced in a rat model of Parkinson's disease, *Psychiatria Danubina*, 24(2):194-205.  
(IF: 0,653; AI: 0,0893).
- D.1.26 Hritcu L., Cioanca O., Hancianu M. 2012, Effects of lavender oil inhalation on improving scopolamine-induced spatial memory impairment in laboratory rats, *Phytomedicine* 19(6): 529-534.  
(IF: 2,877; AI: 0,6511)
- D.1.27. Ciobica A., Olteanu Z., Padurariu M., Hritcu L. 2012, The effects of low-dose pergolide on memory and oxidative stress in a 6-OHDA induced rat model of Parkinson's disease, *Journal of Physiology and Biochemistry*, 68(1): 59-69.  
(IF: 2,496; AI: 0,3364)
- D.1.28. Benosman S., Meng Y., Von Grabovicky Y., Palamiuc L., Gross I., Taya Y., Hritcu L., Loeffler J.P., Gaiddon C. 2011, Complex regulation of p73 isoforms after alteration of the amyloid precursor polypeptide (APP) function and DNA damages in neurons, *Journal of Biological Chemistry*, 286(50):43013-43025.



(IF: 4,60, AI: 2,0307).

- D.1.29 Hogas M., Ciobica A., Hogas S., Bild V., **Hritcu L.** 2011, The effects of the administration of two different doses of manganese on short-term spatial memory and anxiety-like behavior in rats, *Archives of Biological Sciences Belgrade*, 63 (4), 1031-1036.

(IF: 0,607, AI: 0,0853).

- D.1.30 Foyet H.S., **Hritcu L.**, Ciobica A., Stefan M., Kamtchouing P., Cojocaru D. 2011, Methanolic extract of *Hibiscus asper* leaves improves spatial memory deficits in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease, *Journal of Ethnopharmacology*, 133(2):773-779.

(IF: 2,939, AI: 0,587).

- D.1.31 **Hritcu L.**, Foyet H.S., Stefan M., Mihasan M., Asongalem A.E., Kamtchouing P. 2011, Neuroprotective effect of the methanolic extract of *Hibiscus asper* leaves in 6-hydroxydopamine-lesioned rat model of Parkinson's disease, *Journal of Ethnopharmacology*, 137: 585-591.

(IF: 2,939, AI: 0,587).

- D.1.32 **Hritcu L.**, Ciobica A., Stefan M., Mihasan M., Palamiuc L., Nabeshima T. 2011, Spatial memory deficits and oxidative stress damage following exposure to lipopolysaccharide in a rodent model of Parkinson's disease, *Neuroscience Research*, 71: 35-43.

(IF: 2,145, AI: 0,7842).

- D.1.33 Stefan M., **Hritcu L.**, Mihasan M., Pricop D., Gostin I., Olariu R.-I., Dunca S., Melnig V. 2011, Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly (amidehydroxyurethane) media, *Journal of Materials Science: Materials in Medicine*, 22: 789-796.

(IF: 2,379, AI: 0,6435).

- D.1.34 **Hritcu L.**, Stefan M., Misaila C., Ciobica A., Dumitru G. 2011, Effects of bacterial lipopolysaccharide exposure on immune responsiveness in a rodent model of Parkinson's disease, *Archives of Biological Sciences Belgrad* 63(1), 99-105.

(IF: 0,607, AI: 0,0853).

- D.1.35 Ciobica A., Bild V., **Hritcu L.**, Padurariu M., Bild W. 2011, Effects of angiotensin II antagonists on anxiety and oxidative stress in rat, *Central European Journal of Medicine* 6(3): 331-340.

(IF: 0,209, AI: 0,0699)

- D.1.36 **Hritcu L.**, Stefan M., Ursu L., Neagu A., Mihasan M., Tartau L., Melnig V. 2011, Exposure to silver nanoparticles induces oxidative stress and memory deficits in laboratory rats, *Central European Journal of Biology* 6(4):497-509.

(IF: 0,633, AI: 0,2258)

- D.1.37 Ciobica A., **Hritcu L.**, Nastasa V., Padurariu M., Bild W. 2011, Inhibition of central angiotensin converting enzyme exerts anxiolytic effects by decreasing brain oxidative stress, *Journal of Medical Biochemistry*, 30(2): 109-114.

(IF: 0,721, AI: 0).

- D.1.38 Ciobica A., **Hritcu L.**, Padurariu M., Dobrin R., Bild V. 2010, Effects of serotonin depletion on behavior and neuronal oxidative stress status in rat: relevance for anxiety and affective disorders. *Advances in Medical Sciences*, 2010, 8:1-8.

(IF: 0,964, AI: 0,4025)

- D.1.39 Stefan M., Dunca S., Olteanu Z., Oprica L., Ungureanu E., **Hritcu L.**, Mihasan M., Cojocaru D. 2010, Soybean (Glycine Max [L] Merr.) inoculation with *Bacillus pumilus* RS3 promotes plant growth and increases seed protein yield: relevance for environmentally-friendly agricultural applications. *Carpathian Journal of Earth and Environmental Sciences*, 5: 131-138.

(IF: 0,727, AI: 0,0658)

- D.1.40 Padurariu M., Ciobica A., **Hritcu L.**, Stoica B., Bild W., Stefanescu C. 2010, Changes of some oxidative stress markers in the serum of patients with Mild Cognitive Impairment and Alzheimer's disease, *Neuroscience Letters*, 2010, 469, 6-10.

(IF: 2, 055, AI: 0,6336)

- D.1.41 Ciobica A., **Hritcu L.**, Arteni V., Stoica B., Bild V. 2009, Effects of 6-OHDA infusion into the hypothalamic paraventricular nucleus in mediating stress-induced behavioural responses and oxidative damage in rats, *Acta Endocrinologica (Bucharest)*, 5: 425-436.





(IF: 0,210, AI: 0,0103)

- D.1.42 Ciobica A., Bild W., Hritcu L., Haulica I. 2009, Brain renin-angiotensin system in cognitive function: pre-clinical findings and implications for prevention and treatment of dementia, *Acta Neurologica Belgica*, 109: 171-180.

(IF: 0,598, AI: 0,1906).

- D.1.43 Hritcu L., Ciobica A., Gorgan L. 2009, Nicotine-induced memory impairment by increasing brain oxidative stress. *Central European Journal of Biology*, 4: 335-342

(IF: 0,633, AI: 0,2258)

- D.1.44 Hritcu L., Nabeshima T. 2009, Kainic acid lesion-induced spatial memory deficits of rats, *Central European Journal of Biology*, 4(2): 179-185.

(IF: 0,633, AI: 0,2258)

- D.1.45 Hritcu L., Ciobica A., Artenie V. 2008, Effects of right-unilateral 6-hydroxydopamine infusion-induced memory impairment and oxidative stress: relevance for Parkinson's disease, *Central European Journal of Biology*, 3(3): 250-257.

(IF: 0,633, AI: 0,2258)

- D.1.46 Gurzu C., Artenie V., Hritcu L., Ciobica A. 2008, Prenatal testosterone improves the spatial learning and memory by protein synthesis in different lobes of the brain in the male and female rat. *Central European Journal of Biology*, 3(1): 39-47.

(IF: 0,633, AI: 0,2258)

- D.1.47 Hritcu L. 2008, Hematological parameters in 6-hydroxydopamine-induced rat model of Parkinson's disease, *Turkish Journal of Hematology*, 25: 140-144.

(IF: 0,340, AI: 0)

- D.1.48 Hritcu L., Clicinschi M., Nabeshima T. 2007, Brain serotonin depletion impairs short-term memory, but not long-term memory in rats, *Physiology & Behavior*, 91(5):652-657.

(IF: 3,033, AI: 1,0084)

- D.1.49 Hritcu L. 2006. Effects of beta-adrenergic receptor blockade in stress induces changes on haematological parameters of rats, *Turkish Journal of Hematology*, 23: 90-93

(IF: 0,340, AI: 0)

- D.1.50 Hefco V., Yamada K., Hefco A., Hritcu L., Tiron A., Nabeshima T., 2003, Role of mesotelencephalic dopamine system in learning and memory processes in the rat, *European Journal of Pharmacology*, 475: 55-60.

(IF: 2,684, AI: 0,7135)

- D.1.51 Hefco V., Yamada K., Hefco A., Hritcu L., Tiron A., Olariu A., Nabeshima T. 2003, Effects of nicotine on memory impairment induced by blockade of muscarinic, nicotinic and dopamine D2 receptors in rats. *European Journal of Pharmacology*, 474: 227-232.

(IF: 2,684, AI: 0,7135)

## D.2. ARTICOLE PUBLICATE *IN EXTENSO* ÎN REVISTE INDEXATE ÎN BAZE DE DATE INTERNAȚIONALE (BDI)

- D.2.1 Foyet H.S., Tsala D.E., Bouba A.A., Hritcu L. 2012, Anxiolytic and antidepressant-like effects of the aqueous extract of *Alafia multiflora* stem barks in rodents, *Advances in Pharmacological Sciences*, Article ID 912041, 8 pages.

(EMBASE, DOAJ, Google Scholar, PubMed, Scopus, Biological Sciences, Chemical Abstracts)

- D.2.2 Arcan O., Ciobica A., Hritcu L., Bild W., Lefter R., Cojocaru D. 2012, The importance of oxidative and nitrosative stress on angiotensin II-induced amnesic effects in rat, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetică și Biologie Moleculară*, TOM XIII, 1: 25-30.

(Thomson Reuters Master Journal List, Zoological Record, ProQuest, DOAJ, Index Copernicus, CNCSIS B+)

- D.2.3 Ciobica A., Hritcu L., Padurariu M., Chirita R., Dobrin R. 2011, Experimental approaches for studying the interaction between cognitive and affective functions in rats, *Bulletin of Integrative Psychiatry*, 48: 37-43.

(Index Copernicus, CNCSIS B+)



- D.2.4 Cazacu A., Bindar D., Tartau L., **Hritcu L.**, Stefan M., Nita L., Ionescu C., Nica V., Rusu G., Dobromir M. 2011, Effect on nerve structures of functionalized gold-chitosan nanoparticles obtained by one pot synthesis, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetica și Biologie Moleculară*, TOM XII, 1: 45-50.  
(Thomson Reuters Master Journal List, Zoological Record, ProQuest, DOAJ, Index Copernicus, CNCSIS B+)
- D.2.5 Ciobica A., **Hritcu L.**, Padurariu M., Stefanescu C., Bild W. 2010, Current aspects regarding the connection between Alzheimer's disease and renin-angiotensin system. Relevance of oxidative stress, *Alzheimer's Disease Research Journal*, 2(4).  
(Google Scholar)
- D.2.6 Achitei E., Stefan M., Mihasan M., **Hritcu L.**, Dunca S. 2010, Siderophores and indole-3-acetic acid production by bacterial strains isolated from soybean rizosphere, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetica și Biologie Moleculară*, TOM XI, 4: 59-65.  
(Thomson Reuters Master Journal List, Zoological Record, ProQuest, DOAJ, Index Copernicus, CNCSIS B+)
- D.2.7 Dobrin I., **Hritcu L.**, Ciobica A., Dobrin R. 2010, Spacial memory deficits induced by systemic lypopolysaccharide administration, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetica și Biologie Moleculară*, TOM XI, 4: 203-206.  
(Thomson Reuters Master Journal List, Zoological Record, ProQuest, DOAJ, Index Copernicus, CNCSIS B+)
- D.2.8 **Hritcu L.**, Stefan M., Mihasan M., Brandsch R. 2010, 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* facilitate spatial memory formation in rats, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetica și Biologie Moleculară*, TOM XI, 4: 207-211.  
(Thomson Reuters Master Journal List, Zoological Record, ProQuest, DOAJ, Index Copernicus, CNCSIS B+)
- D.2.9 Maniu C., **Hritcu L.**, 2010, Low frequency low intensity pulse electromagnetic field in vivo influence on immune capacity in rat, *Analele Științifice ale Universității Alexandru Ioan Cuza, Secțiunea Genetica și Biologie Moleculară*, TOM XI, 4: 171-176.  
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## E) ARTICOLE/STUDII PUBLICATE *IN EXTENSO*, ÎN VOLUMELE CONFERINȚELOR INTERNAȚIONALE DE SPECIALITATE

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## F) ALTE LUCRĂRI ȘI CONTRIBUȚII ȘTIINȚIFICE

### F.1. ARTICOLE PUBLICATE ÎN REZUMAT ÎN VOLUME COTATE ISI ALE UNOR MANIFESTĂRI INTERNAȚIONALE

F.1.1. Mihasan M., Stefan M., Hritcu L., Artenie V., Brandsch R., 2013, New insights into sugar catabolism of *Arthrobacter nicotinovorans*: oxidative degradation of xylose, *FEBS Journal*, Suppl. 1, 280: 598-598, SI, 38th Congress of the Federation-of-European-Biochemical-Societies (FEBS) Location: Saint Petersburg, RUSSIA Date: JUL 06-11, 2013

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#### F.4. PROIECTE DE CERCETARE-DEZVOLTARE-INOVARĂ PE BAZĂ DE CONTRACT/GRANT:

##### F.4.1. Director de proiect

- F.4.1.1. **2014-2015**, Contract 2221 TUBITAK Fellowships program for Visiting Scientists and Scientists on Sabbatical Leave, Firat University, Elazığ, Turkey
- F.4.1.2. **2005-2006** - Grant CNCSIS, tip A, nr. 639/2004 – „Interacțiunea dintre sistemele colinergic, catecolaminergic și serotoninergic în procesele de învățare și memorie la șobolani”  
[http://uefiscdi.gov.ro/UserFiles/File/granturi/2004/A\\_NOI\\_FINANTATE.htm](http://uefiscdi.gov.ro/UserFiles/File/granturi/2004/A_NOI_FINANTATE.htm)
- F.4.1.3. **2006-2007**- Grant CNCSIS, tip TD, nr. 461/2006 - "Investigarea rolului unor neurotransmitatori în reglarea funcției de apărare a organismului animal"  
[http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/REZULTATE\\_TD\\_2006\\_NOI.pdf](http://uefiscdi.gov.ro/UserFiles/File/Competitii%20derulate/REZULTATE_TD_2006_NOI.pdf)
- F.4.1.4. **2009-2011** - PNII proiecte de cercetare exploratorie IDEI, cod CNCSIS 85, nr. 1073/2009 - "Impactul unor superantigene de origine bacteriană asupra statusului fiziologic al organismului animal"  
<http://uefiscdi.gov.ro/UserFiles/File/rezultate%20finale/zoo-veterinare.pdf>



#### F.4.2. Membru în echipe de cercetare

- F.4.2.1. **2005-2008** – cercetător specialist, Grant CEEEX, nr. 252/2005 - „Caracterizarea unor principii bioactive de origine vegetala si fungica, cu actiune citostatica, imunomodulatoare, metabolica si neurotropa si valorificarea lor in alimentatia functionala”, **director de proiect: Prof. dr. Dumitru Cojocaru**
- F.4.2.2. **2006-2008** – cercetător specialist, Grant CEEEX 110/2006 - "Obținerea unor tulpini submerse de *Claviceps purpurea* cu preferențială și înaltă capacitate glucanosintetică și stabilirea domeniilor de valorificare biomedicală a unor preparate glucanice autohtone", **director de proiect: CSI dr.Pincu Rotinberg.**
- F.4.2.3. **2007-2010** - cercetător specialist, Proiect Parteneriate în domenii prioritare - 51-017/2007- „Managementul resurselor de sol si apa in agroecosistemele afectate de seceta excesiva in vederea mentinerii biodiversitatii”, **director de proiect: Prof. dr. Gerard Jitareanu**
- F.4.2.4. **2009-2011** - cercetător specialist, PNII proiecte de cercetare exploratorie IDEI, cod CNCISIS 1996 -"Sinteza in conditii blande prin nanodimensionarea particulelor metalice in matrice de copolimeri bloc amfifilici de nanoparticule active biologic - platforme in bioinginerie", **director de proiect: Prof. dr. Viorel Melnig**
- F.4.2.5. **2008-2009** - cercetător specialist, PN II CAPACITATI 195CPI/2008-2010 - "Imbunătățirea capacității de cercetare și a capacității de a utiliza și oferi servicii științifice prin dezvoltarea laboratorului de Caracterizare a Organizarii Moleculare a BioMaterialelor (COMB)", **director de proiect: Prof. dr. Viorel Melnig.**
- F.4.2.6. **2012-2015** - Proiect nr.1/2/193- "Resources pilot centre for cross-border preservation of the aquatic biodiversity of Prut River (derulat prin Programul Operațional Comun Romania-Ucraina-Republica Moldova)", **director de proiect Prof. dr. Mircea Nicoară.**
- F.4.2.7. **2013-2015** - cercetător specialist, Grant intern tip TE, nr. 1642/01/02/2013, Universitatea de Medicină și Farmacie "Gr.T.Popa" Iasi - "Caracterizarea efectelor biologice ale unor uleiuri volatile bogate in alcooli monoterpenici cu relevanță în neuroprotecție", **director de proiect: Șef de lucrări dr. Oana Cioancă**

Data.....

Candidat,  
**Conferențiar universitar dr. habil. Lucian HRIȚCU**