



Lista completă de publicații Șef lucrări dr. Mihășan Marius

Indici scientometrici:

Conform ISI WOS interogată pe 17.05.2016: H-index - **10**, Citări - **212**

Conform Google Scholar interogată pe 17.05.2016: H-index - **13**, Citări - **385**

a) 10 lucrări relevante

1. **Mihasan, M.**; Chiribau, C.-B.; Friedrich, T.; Artenie, V. & Brandsch, R. An NAD(P)H-nicotine blue oxidoreductase is part of the nicotine regulon and may protect *Arthrobacter nicotinovorans* from oxidative stress during nicotine catabolism *Applied and Environmental Microbiology*, **2007**, *73*, 2479-2485
2. Ganas, P.; Sachelaru, P.; **Mihasan, M.**; Igloi, G. L. & Brandsch, R. Two closely related pathways of nicotine catabolism in *Arthrobacter nicotinovorans* and *Nocardioides* sp strain JS614 *Archives of Microbiology*, **2008**, *189*, 511-517
3. **Mihasan, M.** In-silico evidence of a pAO1 encoded pathway for the catabolism of tagatose derivatives in *Arthrobacter nicotinovorans*, *Biologia*, **2010**, *65*, 760-767
4. **Mihasan, M.** What in silico molecular docking can do for the bench-working biologists? *J. Biosci*, **2012**, *37*, 1089-1095
5. Hritcu, L.; Stefan, M.; Brandsch, R. & **Mihasan, M.** 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* sustain spatial memory formation by decreasing brain oxidative stress in rats *Journal of Physiology and Biochemistry*, **2013**, *69*, 25-34
6. **Mihasan, M.**; Stefan, M.; Hritcu, L.; Artenie, V. & Brandsch, R., Evidence of a plasmid-encoded oxidative xylose-catabolic pathway in *Arthrobacter nicotinovorans* pAO1, 19. *Research in Microbiology*, **2013**, *164*, 22-30
7. **Mihasan M**, Roderich Brandsch, pAO1 of *Arthrobacter nicotinovorans* and the Spread of Catabolic Traits by Horizontal Gene Transfer in Gram-Positive Soil Bacteria, *Journal of Molecular Evolution*; **2013** 77(1-2):22-30
8. Hritcu, L.; Stefan, M.; Brandsch, R. & **Mihasan, M.** Enhanced behavioral response by decreasing brain oxidative stress to 6-hydroxy-l-nicotine in Alzheimer's disease rat model. *Neuroscience Letters*, 2015, 591, 41-47
9. **Mihasan, M.** Bioinformatics-based molecular classification of *Arthrobacter* plasmids. LID - 10.1515/cmb-2015-0036 *Cell Mol Biol Lett.*, **2015**, *20*(4):612-615
10. Răzvan Caliga, Călin Lucian Maniu, **Marius Mihășan** - ELF-EMF exposure decreases the peroxidase catalytic efficiency in-vitro, *Open Life Sci.* **2016**; *11*: 71–77

b) Teza de doctorat

Implicațiile moleculare ale megaplasmidului pAO1 în metabolismul microorganismului *Arthrobacter nicotinovorans*, 2009, Iași, sub coordonarea Prof. Dr. Roderich Brandsch, Albert-Ludwigs-University Freiburg și prof. Dr. Vlad Artenie, Universitatea Alexandru Ioan Cuza din Iași

**d) Cărți și capitole de cărți:**

1. **Marius Mihășan**, Lucian Hritcu, Marius Ștefan – New biotechnological applications of the metabolic derivatives from *Arthrobacter nicotinovorans*, Chapter in *Applied Microbiology – from plant growth promotion to new neuroprotective drugs*, edited by Marius Mihasa, Editura Universității Alexandru Ioan Cuza Iași, 2014;
2. Marius Ștefan, **Marius Mihășan** – Antimicrobial applications of different natural and artificial compounds, Chapter in *Applied Microbiology – from plant growth promotion to new neuroprotective drugs*, edited by Marius Mihasa, Editura Universității Alexandru Ioan Cuza Iași, 2014;
3. Zenovia Olteanu, **Marius Mihășan** - Chimie Generală – manual de lucrări practice, Editura Tehnopres, Iasi, 2014, 242 pag
4. **Mihasan, M.**, Stefan M., Olteanu Zenovia., Biologie moleculară – metode experimentale , *Editura Universitatii Alexandru Ioan Cuza din Iasi*, 2012;
5. **Mihasan, M.** Megaplasmidul pAO1 – structura și funcție *Editura Universitatii Alexandru Ioan Cuza din Iasi*, 2011;

e) Articole in extenso publicate în reviste din circuitul științific internațional:

1. Răzvan Caliga, Călin Lucian Maniu, **Marius Mihășan** - ELF-EMF exposure decreases the peroxidase catalytic efficiency in-vitro, *Open Life Sci.* 2016; 11: 71–77;
2. Babii, C.; Bahrin, L. G.; Neagu, A.-N.; Gostin, I.; **Mihasan, M.**; Birsă, L. M. & Stefan, M. Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids. *Journal of applied microbiology*, 2016, 120, 630-637;
3. Bağci, E.; Aydın, E.; **Mihasan, M.**; Maniu, C. & Hritcu, L. Anxiolytic and antidepressant-like effects of *Ferulago angulata* essential oil in the scopolamine rat model of Alzheimer's disease, *Flavour and Fragrance Journal*, 2016, 31, 70-80;
4. Beppe, G. J.; Dongmo, A. B.; Foyet, H. S.; Dimo, T.; **Mihasan, M.** & Hritcu, L. The aqueous extract of *Albizia adianthifolia* leaves attenuates 6-hydroxydopamine-induced anxiety, depression and oxidative stress in rat amygdala *BMC Complementary and Alternative Medicine, BioMed Central Ltd*, 2015, 15, 374 ;
5. Cioanca, O.; Hancianu, M.; **Mihasan, M.** & Hritcu, L. Anti-acetylcholinesterase and Antioxidant Activities of Inhaled Juniper Oil on Amyloid Beta (1?42)-Induced Oxidative Stress in the Rat Hippocampus *Neurochemical Research, Springer US*, 2015, 1-9;
6. Hritcu, L.; Bağci, E.; Aydın, E. & **Mihășan, M.** Antiamnesic and Antioxidants Effects of *Ferulago angulata* Essential Oil against Scopolamine-Induced Memory Impairment in Laboratory rats *Neurochem Res*, 2015;
7. Hritcu, L.; Hancianu, M.; **Mihasan, M.** & Cioanca, O. Effects of inhaled juniper volatile oil in amyloid beta (1-42)-induced anxiety and depression in laboratory rats *Flavour and Fragrance Journal*, 2015;
8. Hritcu, L.; Noumedem, J.; Cioanca, O.; Hancianu, M.; Postu, P. & **Mihasan, M.** 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*, 2015, 11, 13 ;



9. Hritcu, L.; Stefan, M.; Brandsch, R. & **Mihasan, M.** Enhanced behavioral response by decreasing brain oxidative stress to 6-hydroxy-l-nicotine in Alzheimer's disease rat model. *Neuroscience Letters*, 2015, 591, 41-47;
10. Mihalache, G.; Zamfirache, M.-M.; **Mihasan, M.**; Ivanov, I.; Stefan, M. & Raus, L. Phosphate-solubilizing bacteria associated with runner bean rhizosphere *Archives of Biological Sciences*, 2015, 0, 38-38, 2015;
11. **Mihasan, M.** Bioinformatics-based molecular classification of *Arthrobacter* plasmids. LID - 10.1515/cmb-2015-0036 *Cell Mol Biol Lett.*, 2015;
12. Cioanca, O.; Hritcu, L.; **Mihasan, M.**; Trifan, A. & Hancianu, M. 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*, 2014, 28, 68-74;
13. Noumedem, J.; **Mihasan, M.**; Kuiate, J.; Stefan, M.; Cojocaru, D.; Dzoyem, J. & Kuete, V. In Vitro antibacterial and antibiotic-potential activities of four edible plants against multidrug-resistant gram-negative species, *BMC Complementary and Alternative Medicine*, 13:190,
14. Jaurès AK Noumedem, **Marius Mihasan**, Stephen T Lacmata, Marius Stefan, Jules R Kuiate and Victor Kuete - Antibacterial activities of the methanol extracts of ten Cameroonian vegetables against gram-negative multidrug-resistant bacteria, *BMC Complementary and Alternative Medicine*, 2013, 13, 26
15. Hritcu, L.; Noumedem, J.; Cioanca, O.; Hancianu, M.; Kuete, V. & **Mihasan, M.**, 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 *Cell Mol Neurobiol*, 2014 DOI 10.1007/s10571-014-0028-y;
16. **Mihasan M**, Roderich Brandsch, pAO1 of *Arthrobacter nicotinovorans* and the Spread of Catabolic Traits by Horizontal Gene Transfer in Gram-Positive Soil Bacteria, *Journal of Molecular Evolution*; 2013 77(1-2):22-30;
17. **Mihasan, M.**; Stefan, M.; Hritcu, L.; Arteni, V. & Brandsch, R., Evidence of a plasmid-encoded oxidative xylose-catabolic pathway in *Arthrobacter nicotinovorans* pAO1, 19. *Research in Microbiology*, 2013, 164, 22-30;
18. **Mihasan, M.**; Luminita, C.; Neagu, E.; Stefan, M. & Hritcu, L. In-Silico Identification Of 6-Hydroxy-L-Nicotine As A Novel Neuroprotective Drug Romanian Biotechnological Letters, 2013, 18, 8333-8340;
19. Stefan, M.; Munteanu, N.; Stoleru, V. & **Mihasan, M.** Effects of inoculation with plant growth promoting rhizobacteria on photosynthesis, antioxidant status and yield of runner bean, Romanian Biotechnological Letters, 2013, 18, 8132-8143
20. 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):446-52;



21. Cioanca, O.; Hritcu, L.; **Mihasan, M.** & Hancianu, M. Cognitive-enhancing and antioxidant activities of inhaled coriander volatile oil in amyloid β (1-42) rat model of Alzheimer's disease *Physiology & Behavior*, 2013, 120, 193-202;
22. Stefan, M.; Munteanu, N.; Stoleru, V.; **Mihasan, M.** & Hritcu, L. Seed inoculation with plant growth promoting rhizobacteria enhances photosynthesis and yield of runner bean (*Phaseolus coccineus* L.) *Scientia Horticulturae*, 2013, 151, 22 – 29
23. Hritcu, L.; Stefan, M.; Brandsch, R. & **Mihasan, M.** 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* sustain spatial memory formation by decreasing brain oxidative stress in rats. *Journal of Physiology and Biochemistry*, 2013, 69, 25-34;
24. Stefan, M.; Melnig, V.; Pricop, D.; Neagu, A.; **Mihasan, M.**; Tartau, L. & Hritcu, L. Attenuated effects of chitosan-capped gold nanoparticles on LPS-induced toxicity in laboratory rats, *Materials Science and Engineering: C*, 33, 550-556;
25. **Mihasan, M.** What in silico molecular docking can do for the bench-working biologists? *J. Biosci*, 2012, 37, 1089-1095;
26. Cobzaru, C.; Ganas, P.; **Mihasan, M.**; Schleberger, P. & Brandsch, R., Homologous gene clusters of nicotine catabolism, including a new omega-amidase for alpha-ketoglutaramate, in species of three genera of Gram-positive bacteria, *Research In Microbiology*, 2011, 162, 285-291;
27. Hritcu, L.; Ciobica, A.; Stefan, M.; **Mihasan, M.**; Palamiuc, L. & Nabeshima, T. Spatial memory deficits and oxidative stress damage following exposure to lipopolysaccharide in a rodent model of Parkinson's disease, *Neuroscience Research*, 2011, 71, 35-43;
28. Hritcu, L.; Foyet, H. S.; Stefan, M.; **Mihasan, M.**; Asongalem, A. E. & Kamtchouing, P. Neuroprotective effect of the methanolic extract of *Hibiscus asper* leaves in 6-hydroxydopamine-lesioned rat model of Parkinson's disease *Journal of Ethnopharmacology*, 2011, 137, 585-591;
29. Hritcu, L.; Stefan, M.; Ursu, L.; Neagu, A.; **Mihasan, M.**; Tartau, L. & Melnig, V. Exposure to silver nanoparticles induces oxidative stress and memory deficits in laboratory rats *Central European Journal of Biology*, 2011, 6, 497-509;
30. Marius, S.; Lucian, H.; **Marius, Mihasan.**; Daniela, P.; Irina, G.; Romeo-Iulian, O.; Simona, D. & Viorel, M. Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly(amide-hydroxyurethane) media *Journal of Materials Science-materials In Medicine*, 2011, 22, 789-796;
31. **Mihasan, M.** Basic Protein Structure Prediction For the Biologist: A Review, *Archives of Biological Sciences*, 2010, 62, 857-871;
32. **Mihasan, M.** In-silico evidence of a pAO1 encoded pathway for the catabolism of tagatose derivatives in *Arthrobacter nicotinovorans*, *Biologia*, 2010, 65, 760-767;
33. Stefan, M.; Dunca, S.; Olteanu, Z.; Oprica, L.; Ungureanu, E.; Hritcu, L.; **Mihasan, M.** & Cojocaru, D. 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*, 2010, 5, 131-138;



34. Ganas, P.; Sachelaru, P.; **Mihasan, M.**; Igloi, G. L. & Brandsch, R. Two closely related pathways of nicotine catabolism in *Arthrobacter nicotinovorans* and *Nocardioides* sp strain JS614 *Archives of Microbiology*, **2008**, 189, 511-517;
35. Ganas, P.; **Mihasan, M.**; Igloi, G. L. & Brandsch, R. A two-component small multidrug resistance pump functions as a metabolic valve during nicotine catabolism by *Arthrobacter nicotinovorans* *Microbiology-sgm*, **2007**, 153, 1546-1555;
36. **Mihasan, M.**; Chiribau, C.-B.; Friedrich, T.; Artenie, V. & Brandsch, R. An NAD(P)H-nicotine blue oxidoreductase is part of the nicotine regulon and may protect *Arthrobacter nicotinovorans* from oxidative stress during nicotine catabolism *Applied and Environmental Microbiology*, **2007**, 73, 2479-2485;
37. **Mihasan, M.**; Ungureanu, E. & Artenie, V. Optimum parameters for overexpression of recombinant protein from tac promoters on autoinducible medium *Romanian Biotechnological Letters*, **2007**, 12, 3473-3482;
38. Chiribau, C. B.; **Mihasan, M.**; Ganas, P.; Igloi, G. L.; Artenie, V. & Brandsch, R. Final steps in the catabolism of nicotine - Deamination versus demethylation of gamma-N-methylaminobutyrate *Febs Journal*, **2006**, 273, 1528-1536;

g) alte lucrări și contribuții științifice

1) Articole publicate în reviste BDI:

1. Cheorbeja, Brîndușa, Mădălina Bianca Bujder, Claudiu Arnăutu, and **Marius Mihășan**. 2015. "Heterologus over-Expression and in-Silico Characterisation of a Putative 2-Keto-Gluconate Dehydrogenase from *Arthrobacter nicotinovorans* pAO1." *Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi Sec. II a. Genetica si Biologie Moleculara* 16(3): 107–12.
2. Boiangiu, R.; Guzun, D. & Mihasan, M. Time dependent accumulation of nicotine derivatives in the culture medium of *Arthrobacter nicotinovorans* pAO1 *Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi Sec. II a. Genetica si Biologie Moleculara*, **2014**, 15, 19-24
3. Constantin, O. M. & **Mihasan, M.** Gene cloning of a putative periplasmic sugar-binding protein from the pAO1 megaplasmid of *Arthrobacter nicotinovorans* *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*, **2014**, 15, 1-6
4. Andreea Andrei, **Mihasan, M.**; Molecular gene cloning of nicotine-dehydrogenase from the pAO1 megaplasmid of *Arthrobacter nicotinovorans* *Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 14, No 3, 2013, -
5. **Mihasan, M.**; Stefan, M. & Artenie, V. Experimental evidence of a xylose-catabolic pathway on the pAO1 megaplasmid of *Arthrobacter nicotinovorans* *Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 13, No 1, **2012**, -
6. **Mihasan, M.**; Stefan, M.; Artenie, V. & Brandsch, R. Cloning and purification of a repressor protein from *Arthrobacter Nicotinovorans* Pao1, *Analele stiintifice ale universitatii "Alexandru ioan cuza" din iasi sec. II a. Genetica si Biologie Moleculara*; Vol 12, No 3, **2011**,



7. Achitei, E.; Stefan, M.; **Mihasan, M.**; Hritcu, L. & Dunca, S. Siderophores and indole-3- acetic acid production by bacterial strains isolated from soybean rhizosphere *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
8. Apostu, A.; Petriman, N.; Iulian, T.; Mihasan, M.; Dunca, S. & **Stefan, M.** Isolation and characterization of some rhizobacterial strains with phosphorus solubilizing capabilities *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
9. Hritcu, L.; Stefan, M.; **Mihasan, M.** & Brandsch, R. 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* facilitate spatial memory formation in rats *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
10. Liteanu, A.; **Mihasan, M.** & Artenie, V. The importance of the double test in identification of high risk pregnancies for chromosomal diseases development *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 12, No 1, **2010**, -
11. Lobiuc, A.; Zanovaia, O. & **Mihasan, M.** Studies regarding cellulolytic enzymes production by bacterial strains isolated from natural environments, grown in liquid media with raw and pretreated sawdust *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
12. **Mihasan, M.**; Artenie, V. & Brandsch, R. Cloning and purification of a tetrameric oxidoreductase from *Arthrobacter nicotinovorans* pAO1 *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
13. **Mihasan, M.**; Artenie, V. & Olteanu, Z. In- silico identification of key residues for shifting the coenzyme specificity of an aldehyde-dehydrogenase *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
14. Olteanu, Z.; Scutaru, M. & **Mihasan, M.** Chemical and biochemical indicators in the characterization of polluted waters from the Bahlui River, Iasi city sector *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 11, No 4, **2010**, -
15. **Mihasan, M.** & Artenie, V. Purification of a novel aldehyde-dehydrogenase with wide substrate specificity *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 10, No 2, **2009**, -
16. **Mihasan, M.**; Hritcu, L.; Artenie, V.; Ciobica, A.; Stefan, M. & Gorgan, L. Bacterial lipopolysaccharide enhanced immunological responsiveness in exposed rats *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 10, No 3, **2009**, -
17. Stefan, M.; **Mihasan, M.**; Raus, L.; Topa, D. & Hritcu, L. Rhizosphere bacteria help protein accumulation in soybean seeds *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 10, No 2, **2009**, -
18. **Mihasan, M.** & Artenie, V. Computer-based modeling for sugar preferences of an oxidoreductase from *Arthrobacter nicotinovorans* Pao1 plasmid *Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara*; Vol 9, No 3, **2008**, -
19. Olteanu, Z.; Rosu, C. M.; **Mihasan, M.**; Surdu, S. & Lacramioara, O. Preliminary consideration upon oxido-reductive system involved in aerobic biodegradation of some textile dyes *Analele*



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20. Rosu, M. C.; Surdu, S.; **Mihasan, M.**; Olteanu, Z. & Oprica, L. Reproducibility and dose dependency of the antitumoral pharmacodynamic effect of some autochthonous polysaccharidic or polyphenolic biopreparations of fungal and vegetal origin *Analele Științifice ale Universității Alexandru Ioan Cuza din Iași Sec. II a. Genetica și Biologie Moleculară; Vol 9, No 4, 2008, -*
21. Stefan, M.; **Mihasan, M.** & Dunca, S. Plant growth promoting rhizobacteria can inhibit the in vitro germination of Glycine max L. seeds *Analele Științifice ale Universității Alexandru Ioan Cuza din Iași Sec. II a. Genetica și Biologie Moleculară; Vol 9, No 3, 2008, -*
22. Stefan, M.; **Mihasan, M.**; Raus, L.; Topa, D. & Dunca, S. Agriculture applications of some rhizobacterial strains isolated from Moldavian plain cambic - chernozemic soils *Revista Lucrări științifice. Seria Agronomie, 2008, 51, 191-196*
23. **Mihasan, M.** & Stefan, M. The evolution of total soluble proteins content during the germination of Glycine max L. beans under the influence of some Rhizobacterial strains *Revista Lucrări științifice. Seria Agronomie, 2008, 51, 7-13*
24. **Mihasan, M.**; Nita, A. & Artenie, V. Optimal parameters for plasmid dna preparation using the alkaline lysis method *Analele științifice ale universității alexandru ioan cuza din iasi sec. II a. Genetica și Biologie Moleculară; Vol 8, No 2, 2007, -*
25. Artenie, V. & **Mihasan, M.** Preliminary data regarding the kinetic properties of an alpha-amylase from robinia pseudacacia l. Germinated seeds *Analele științifice ale universității alexandru ioan cuza din iasi sec. II a. Genetica și Biologie Moleculară; Vol 6, 2005, -*

e) Postere and prezentări la sesiuni internaționale:

1. Andreea Andrei, **Marius Mihășan**, 2015, Comparative analysis of the nic-gene cluster within the Arthrobacter genus, 40th FEBS Congress, The Biochemical Basis of Life, Berlin, Germany, July 4-9, FEBS J., 282 issue s1 pp: 188-188
2. **Marius Mihășan**, 2015, The Arthrobacter genus nic-gene clusters share a modular design, The Xth International Congress of Geneticists and Breeders Chisinau, 28 June – 1 July;
3. Andreea Andrei, **Marius Mihășan**, 2015, Nic-gene cluster's modular design within the Arthrobacter genus, 6th Congress of European Microbiologists (FEMS 2015), 7 - 11 June 2015, Maastricht, Olanda;
4. **Marius Mihasan**, 2015, Molecular classification and comparative analysis of Arthrobacter genus plasmids, 19th Annual International Conference on Research in Computational Molecular Biology (RECOMB) 2015, 12 - 15 Apr 2015, Varsovia, Polonia;
5. **Marius Mihasan**, Marius Stefan, Lucian Hritcu, Artenie Vlad, Roderich Brandsch, 2013 - New Insights Into Sugar Catabolism Of Arthrobacter nicotinovorans: Oxidative Degradation Of Xylose, 38th FEBS Meeting, St. Petersburg, Russia, FEBS J., 280 issue s1, pp: 598-598, SW06.W33-26;



6. **Marius Mihasan**, Marius Stefan, Lucian Hritcu, Vlad Artenie, 2011 - Experimental evidence of a xylose-catabolic pathway on the pAO1 megaplasmid of *Arthrobacter nicotinovorans*, 36th FEBS Meeting, Torino, Italy, FEBS J., 278 issue s1: pp: 170-170;
7. **Marius Mihășan**, Marius Stefan, Lucian Hritcu, Vlad Artenie, 2011 - Cloning and purification of a putative repressor protein from *Arthrobacter nicotinovorans* pAO1, EMBO Meeting, Vienna, Austria
8. Hritcu, L.; Ciobica, A.; Stefan, M.; **Mihasan, M.** & Gorgan, L. Memory deficits and brain oxidative stress in the lipopolysaccharide Parkinson's disease animal model, *Febs Journal*, **2011**, 278
9. Mihasan, M. In-silico evidence of a pao1 encoded tagatose-derivate catabolic pathway in *Arthrobacter nicotinovorans* *Febs Journal*, **2010**, 277, 290-290
10. **Mihasan, M.**; Artenie, V. & Brandsch, R. Characterization of a putative carbohydrate catabolic pathway of the megaplasmid pAO1 of *Arthrobacter nicotinovorans* *Febs Journal*, **2009**, 276,
11. **Mihasan, M.**; Artenie, V. & Brandsch, R. A monomeric aldehyde dehydrogenase as part of a pAO1 encoded pathway for sugar utilization *Febs Journal*, **2008**, 275, 285-285
12. **Mihasan, M.**; Stefan, M.; Gorgan, L.; Raus, L.; Topa, D. & Dunca, S. New insights in PGPR - soybean plant interactions *Febs Journal*, **2009**, 276
13. **Mihasan, M.**; Stefan, M. & Hritcu, L. Experimental evidence of a xylose-catabolic pathway on the pAO1 megaplasmid of *Arthrobacter nicotinovorans* *Febs Journal*, **2011**, 278, 170-170
14. Hritcu, L.; Stefan, M.; **Mihasan, M.** & Gorgan, L. Memory vulnerabilities and stress reactivity following exposure to lipopolysaccharide in a 6-OHDA-lesion model of Parkinson's disease The 3rd EMBO meeting Advancing Life Sciences, Vienna, Austria, 10-13 September, 2011, 2010
15. **Mihasan, M.**; Stefan, M. & Hritcu, L. Cloning and purification of a putative repressor protein from *Arthrobacter nicotinovorans* pAO1 The 3rd EMBO meeting Advancing Life Sciences, Vienna, Austria, 10-13 September, 2011
16. Rosu, C.; **Mihasan**; Olteanu, Z.; Oprica & Surdu, S. Biodegradation of some textile dyes by *Candida* sp. adapted strains International Congress of Bacteriology and Applied Microbiology and International Congress of Mycology, Turkey, Istanbul 5-9 august 2008, Abstract book, 2008, 7
17. Stefania, S.; Zenovia, O.; **Marius, M.**; Maria Craita, R.; Pincu, R.; Elena, T. & Lacramioara, O. Variation of alkaloid and glucan content in *Claviceps purpurea* strains exposed to electromagnetic fields of low frequency and intensity International Congress of Bacteriology and Applied Microbiology and International Congress of Mycology, Turkey, Istanbul ? 5-9 august 2008, Abstract book, 2008, 81
18. Surdu, S.; Craita-Maria, R.; Stefan, C.; Dumitra, M.; Ioan Viorel, R.; Elena, T.; Zenovia, O.; Maria Magdalena, Z.; Lacramioara, O.; **Marius, M.** & Milian, G. Variation of microbial load and chemical composition of fruits of some *Hippophae rhamnoides* L. Romanian varieties depending on storage conditions *Physiologia Plantarum*, Special issue Redox Signal Integration, Abstract book for FESPB 2008, 2008



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e) Postere and prezentări la sesiuni naționale:

1. **Marius Mihasan**, 2014, Modular design of the nic-gene cluster within the *Arthrobacter* genus, The Annual Scientific Meeting of The Faculty of Biology;
2. **Marius Mihasan**, Marius Stefan, Roderich Brandsch, Lucian Hritcu, 2012 - Identification of 6-hydroxy-nicotine as a novel neuroprotectant with antioxidant properties, 4th International Congress and 30th Annual Scientific Session of RSCB, Satu Mare (Romania) and Debrecen (Hungary);
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4. Hritcu, L.; Foyet, H. S.; Stefan, M. & **Mihasan, M.** Neuroprotective effects of the methanolic extract of hibiscus asper leaves against 6-hydroxydopamine-induced a rodent model of Parkinson's disease Buletinul Societatii Romane de Biologie Celulara, Nr. 40, iulie 2012, p. 64, 2012
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