



## Lista completă de publicații Conf. dr. Habil. Mihășan Marius

### Indici scientometrici:

Conform ISI WOS interogată pe 8.12.2019: H-index - **16**, Citări 612

Conform Google Scholar interogată pe 8.12.2019: H-index – **18**, Citări - **1227**

#### 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 *Nocardioideus* sp strain JS614 *Archives of Microbiology*, **2008**, 189, 511-517
3. Hritcu, L.; Stefan, M.; Brandsch, R. & **Mihasan, M.** 6-hydroxy-L-nicotine from *Arthrobacter nicotinovorans* sustains spatial memory formation by decreasing brain oxidative stress in rats *Journal of Physiology and Biochemistry*, **2013**, 69, 25-34
4. **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
5. **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
6. 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
7. **Mihasan, M.** Bioinformatics-based molecular classification of *Arthrobacter* plasmids. LID - 10.1515/cmb-2015-0036 *Cell Mol Biol Lett.*, **2015**, 20(4):612-615
8. **Mihășan M**, Brandsch R. A predicted T4 secretion system and conserved DNA-repeats identified in a subset of related *Arthrobacter* plasmids. *Microbiol Res.* **2016**;191:32–7.
9. Hritcu L, Ionita R, Motei DE, Babii C, Stefan M, **Mihasan M**. Nicotine versus 6-hydroxy-L-nicotine against chlorisondamine induced memory impairment and oxidative stress in the rat hippocampus. *Biomed Pharmacother.* **2017**;86:102–8.
10. **Mihășan M**, Babii C, Aslebagh R, Channaveerappa D, Dupree E, Darie CC. Proteomics based analysis of the nicotine catabolism in *Paenarthrobacter nicotinovorans* pAO1. *Sci Rep.* **2018**;8:16239.

#### 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

#### c) Teza abilitare

*Arthrobacter nicotinovorans* - new insights into its metabolism, molecular evolution and biotechnological applications, 2016, Iași

**d) Cărți și capitole de cărți:**

1. **Mihășan M**, Babii C, Aslebagh R, Channaveerappa D, Dupree EJ, Darie CC. Exploration of Nicotine Metabolism in *Paenarthrobacter nicotinovorans* pAO1 by Microbial Proteomics. In: Woods AG, Darie CC, editors. *Advancements of Mass Spectrometry in Biomedical Research*, vol. 1140 of *Advances in Experimental Medicine and Biology*. 2019. p. 515–29.
2. **Mihășan M**, Wormwood KL, Sokolowska I, Roy U, Woods AG, Darie CC. Mass Spectrometry- and Computational Structural Biology-Based Investigation of Proteins and Peptides. In: Woods AG, Darie CC, editors. *Advancements of Mass Spectrometry in Biomedical Research*, vol. 1140 of *Advances in Experimental Medicine and Biology*. 2019. p. 265–87.
3. Hritcu, L., **Mihășan M.**, 2019. 6-Hydroxy-l-Nicotine and Memory Impairment 6-Hydroxy-l-Nicotine and Memory Impairment, chapter in *Neuroscience of Nicotine Mechanisms and Treatment*, 1st Edition, Editor Preedy V, pages 165-172
4. **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 Mihășan, Editura Universității Alexandru Ioan Cuza Iași, 2014;
5. 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 Mihășan, Editura Universității Alexandru Ioan Cuza Iași, 2014;
6. Zenovia Olteanu, **Marius Mihășan** - Chimie Generală – manual de lucrări practice, Editura Tehnopres, Iasi, 2014, 242 pag
7. **Mihășan, M**, Ștefan M., Olteanu Zenovia., Biologie moleculară – metode experimentale , *Editura Universitatii Alexandru Ioan Cuza din Iasi*, 2012;
8. **Mihășan, 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. **Mihășan M**, Babii C, Aslebagh R, Channaveerappa D, Dupree E, Darie CC. Proteomics based analysis of the nicotine catabolism in *Paenarthrobacter nicotinovorans* pAO1. *Sci Rep*. 2018;8:16239.
2. Rosu CM, Avadanei M, Gherghel D, **Mihășan M**, Mihai C, Trifan A, et al. Biodegradation and Detoxification Efficiency of Azo-Dye Reactive Orange 16 by *Pichia kudriavzevii* CR-Y103. *Water, Air, Soil Pollut*. 2018;229:15.
3. Postu PA, Noumedem JAK, Cioanca O, Hancianu M, **Mihășan M**, Ciorgăc M, et al. *Lactuca capensis* reverses memory deficits in Aβ1-42-induced an animal model of Alzheimer's disease. *J Cell Mol Med*. 2018;22:111–22. doi:10.1111/jcmm.13299.10.
4. Wormwood KL, Ngounou Wetie AG, Gomez MV, Ju Y, Kowalski P, **Mihășan M**, et al. Structural Characterization and Disulfide Assignment of Spider Peptide Phα1β by Mass Spectrometry. *J Am Soc Mass Spectrom*. 2018;29:827–41. doi:10.1007/s13361-018-1904-3.11.
5. Ionita R, Postu PA, **Mihășan M**, Gorgan DL, Hancianu M, Cioanca O, et al. Ameliorative effects of *Matricaria chamomilla* L. hydroalcoholic extract on scopolamine-induced memory impairment in rats: A behavioral and molecular study. *Phytomedicine*. 2018;47:113–20.
6. Ionita R, Postu PA, Beppe GJ, **Mihășan M**, Petre BA, Hancianu M, et al. Cognitive-enhancing and antioxidant activities of the aqueous extract from *Markhamia tomentosa* (Benth.) K. Schum. stem bark in a rat model of scopolamine. *Behav Brain Funct*. 2017;13:5..



7. Ioniță R, Valu VM, Postu PA, Cioancă O, Hrițcu L, **Mihasan M**. 6-Hydroxy-l-nicotine effects on anxiety and depression in a rat model of chlorisondamine. *Farmacia*. 2017;65.5.
8. Hritcu L, Ionita R, Motei DE, Babii C, Stefan M, **Mihasan M**. Nicotine versus 6-hydroxy-l-nicotine against chlorisondamine induced memory impairment and oxidative stress in the rat hippocampus. *Biomed Pharmacother*. 2017;86:102–8.
9. Ionita R, Postu PA, Beppe GJ, **Mihasan M**, Petre BA, Hancianu M, et al. Cognitive-enhancing and antioxidant activities of the aqueous extract from Markhamia tomentosa (Benth.) K. Schum. stem bark in a rat model of scopolamine. *Behav Brain Funct*. 2017;13.7.
10. Bagci E, Aydin 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 Fragr J*. 2016;31:70–80.
11. 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 Fragr J*. 2016;31:149–57.
12. Mihalache G, Mihasan M, Zamfirache MM, Stefan M, Raus L. Phosphate solubilizing bacteria from runner bean rhizosphere and their mechanism of action. *Rom Biotechnol Lett*. 2018;23:13853–61.
13. Răzvan Caliga, Călin Lucian Maniu, **Marius Mihășan** - ELF-EMF exposure decreases the peroxidase catalytic efficiency in-vitro, *Open Life Sci*. 2016; 11: 71–77;
14. 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;
15. Bagci, E.; Aydin, 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;
16. 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 ;
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18. Hritcu, L.; Bagci, E.; Aydin, E. & **Mihășan, M.** Antiamnesic and Antioxidants Effects of Ferulago angulata Essential Oil against Scopolamine-Induced Memory Impairment in Laboratory rats *Neurochem Res*, 2015;
19. 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;
20. 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 ;
21. 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;
22. 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;
23. **Mihasan, M.** Bioinformatics-based molecular classification of Arthrobacter plasmids. LID - 10.1515/cmble-2015-0036 *Cell Mol Biol Lett.*, 2015;



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25. 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,
26. 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
27. 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 Alzheimers Disease *Cell Mol Neurobiol*, **2014** DOI 10.1007/s10571-014-0028-y;
28. **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;
29. **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;
30. **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;
31. 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
32. 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;
33. Cioanca, O.; Hritcu, L.; **Mihasan, M.** & Hancianu, M. Cognitive-enhancing and antioxidant activities of inhaled coriander volatile oil in amyloid  $\beta$ (1-42) rat model of Alzheimer's disease *Physiology & Behavior*, 2013, 120, 193-202;
34. 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
35. 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;
36. 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;
37. **Mihasan, M.** What in silico molecular docking can do for the bench-working biologists? *J. Biosci*, **2012**, 37, 1089-1095;
38. 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;



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42. 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;
43. **Mihasan, M.** Basic Protein Structure Prediction For the Biologist: A Review, *Archives of Biological Sciences*, **2010**, 62, 857-871;
44. **Mihasan, M.** In-silico evidence of a pAO1 encoded pathway for the catabolism of tagatose derivatives in *Arthrobacter nicotinovorans*, *Biologia*, **2010**, 65, 760-767;
45. 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;
46. Ganas, P.; Sachelaru, P.; **Mihasan, M.**; Igloi, G. L. & Brandsch, R. Two closely related pathways of nicotine catabolism in *Arthrobacter nicotinovorans* and *Nocardioideis* sp strain JS614 *Archives of Microbiology*, **2008**, 189, 511-517;
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48. **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;
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50. 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. "Heterologous 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. Boianțiu, 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**, -
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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 Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara; Vol 9, No 2, 2008, -*
  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 Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara; 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 Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi Sec. II a. Genetica si Biologie Moleculara; 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 Lucrari stiintifice. 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 Lucrari stiintifice. 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 stiintifice ale universitatii alexandru ioan cuza din iasi sec. II a. Genetica si Biologie Moleculara; 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 stiintifice ale universitatii alexandru ioan cuza din iasi sec. II a. Genetica si Biologie Moleculara; Vol 6, 2005, -*

#### e) Postere și prezentări la sesiuni internaționale:

1. **M. Mihasan**, C. Babii, D. Channaveerappa, R. Aslebagh, E. Dupree, C. Darie - Time-dependent analysis of *Paenarthrobacter nicotinovorans* pAO1 nicotine-related proteome, 44th FEBS Congress, From Molecules to Living Systems, Krakow, Poland, July 6,, 2019
2. **M. Mihasan**, C. Babii, D. Channaveerappa, R. Aslebagh, E. Dupree, C. Darie - Time-dependent analysis of *Paenarthrobacter nicotinovorans* pAO1 nicotine-related proteome, 67th ASMS Conference on Mass Spectrometry and Allied Topics, June 2-6 2019, Atlanta, Georgia, USA
3. **M. Mihasan**, C. Babii, D. Channaveerappa, R. Aslebagh, E. Dupree, C. Darie - Proteomic analysis of nicotine response in *Paenarthrobacter nicotinovorans* pAO1, 43th FEBS Congress, Biochemistry Forever, 7-12 July 2018, Prague, Czech



4. **Mihasan, M.**, Babii, C., Aslebagh, R., Darie C.C. Nicotine-Induced Proteome of *Arthrobacter nicotinovorans*, The Protein Society's 31st Annual Symposium (international conference), July 24 - 27, 2017, Montreal, Canada
5. **Mihasan, M.**, Babii, C., Aslebagh, R., Darie C.C. Nicotine-Induced Proteome of *Arthrobacter nicotinovorans*, 65th Annual American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, Indianapolis, IN, June 4-8, 2017
6. **Marius Mihasan**, *Arthrobacter nicotinovorans* as a tool for sustainable production of value-added chemicals, 30th Annual CAMP Technical Meeting, The Inn on the Lake, Canandaigua, NY, USA, May 18, 2017
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10. **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;
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12. **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;
13. **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
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2. **Marius Mihasan**, Roderich Brandsch - Molecular evolution and biotechnological applications of *Paenarthrobacter nicotinovorans* pAO1 megaplasmid, 2nd Romanian Bioinformatics Seminar, April 18-19, Bucharest, Romania
3. **Marius Mihasan**, 2014, Modular design of the nic-gene cluster within the *Arthrobacter* genus, The Annual Scientific Meeting of The Faculty of Biology;
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