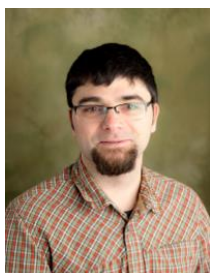


INFORMAȚII PERSONALE



MIHĂȘAN I. MARIUS

📍 Laboratorul de Biochimie și Biologie Moleculară, Sala B228,
Universitatea Alexandru Ioan Cuza Iași, Facultatea de Biologie, Bulevardul
Carol I, nr. 20 A, Iași, 700505, România
☎ +40(0)2322 int 2434 📠 +07518946851

✉ marius.mihasan@uaic.ro

🌐 <https://mail.uaic.ro/~marius.mihasan/index.html>

Sexul Masculin | Data nașterii 02/01/1981 | Naționalitatea Român

EXPERIENȚA PROFESIONALĂ

Prezent	Profesor universitar Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași ▪ Curs și LP de Tehnici de Biologie Moleculară, Cursuri de Metabolismul și structura macromoleculelor informaționale precum și Proteomică, ambele pentru specializarea de Master Genetică Moleculară, Curs de Biologie Moleculară pentru specializarea Biochimie
2016 - 2020	Conferențiar Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași Tipul sau sectorul de activitate Educație
August 2017 - Prezent	Profesor asociat consultant Grupul de cercetare în Biochimie și Proteomică, Departamentul de Chimie și Științe Biomoleculare, Universitatea Clarkson, Potsdam, NY, USA ▪ aplicații ale spectrometriei de masă în științele vieții Tipul sau sectorul de activitate Cercetare
Februarie – Iulie 2017	Cercetător Grupul de cercetare în Biochimie și Proteomică, Departamentul de Chimie și Științe Biomoleculare, Universitatea Clarkson, Potsdam, NY, USA ▪ stabilirea proteomului bacteriei <i>Paenarthrobacter nicotinovorans</i>, activitatea s-a desfășurat sub îndrumarea Conf. Dr. Darie Costel Tipul sau sectorul de activitate Cercetare
2013 – 2016	Șef Lucrări Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași Tipul sau sectorul de activitate Educație
2014 – 2015	Cercetător post-doctorat Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași, proiect POSDRU/159/1.5/S/ 133652, CommScie, titlul proiectului: Megaplasmidul pAO1 din <i>Arthrobacter nicotinovorans</i> – origine, evoluție și aplicații biotehnologice ▪ Activități de cercetare și management Tipul sau sectorul de activitate Cercetare
2009 – 2013	Asistent universitar Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași



- Lucrările practice de Chimie generală, Chimia mediului, Enzimologie, Metaboliți Secundari
Tipul sau sectorul de activitate Educație
- 2010 – 2012 **Cercetător post-doctorat**
 Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași, proiect UEFISCDI PD-337/2010
- Activități de cercetare și management
Tipul sau sectorul de activitate Cercetare
- 2006 – 2009 **Asistent cercetare**
 Institutul de Cercetare-Dezvoltare în științele Biologice, filiala Iași
- Activități de cercetare, responsabil de achizițiile publice
Tipul sau sectorul de activitate Cercetare
- 2005 – 2006 **Asistent cercetare**
 Institutul de Biochimie și Biologie Moleculară, Freiburg, Germania
- Activități de cercetare
Tipul sau sectorul de activitate Cercetare

EDUCAȚIE ȘI FORMARE

- 2017 **Doctor abilitat în Biologie**
 Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași
 Titlul tezei: "*Arthrobacter nicotinovorans* - new insights into its metabolism, molecular evolution and biotechnological applications"
 Afiat Școlii Doctorale de Biologie, IOSUD-UAIC din 2017.
- 2004 - 2009 **Doctor în Biologie cu distincția *Suma cum laudae***
 Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași
- Titlul tezei: "Unele implicații moleculare ale megaplasmidului pAO1 în metabolismul bacteriei *Arthrobacter nicotinovorans*" elaborată sub coordonarea Prof. Dr. Roderich Brandsch și prof. Dr. Vlad Artenie.
- 2004 - 2006 **Master în Genetică Moleculară**
 Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași
- lucrarea de dizertație realizată în domeniul purificării și caracterizării proteinelor în laboratorul Prof. Dr. Roderich Brandsch, Universitatea Albert-Ludwigs, Freiburg, Germania
- 2000 - 2004 **Licențiat în Biochimie, diplomă de merit**
 Facultatea de Biologie, Universitatea "Alexandru Ioan Cuza" din Iași

COMPETENTE PERSONALE

Mihai

Limba(i) maternă(e) Română

Alte limbi străine cunoscute

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C2	C2	C1	C1	A2
Franceză	B1	B1	C1	C1	C1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2:

Utilizator experimentat

Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- bune competențe de comunicare în știință dobândite prin susținerea unor prelegeri publice la sesiunile științifice naționale și internaționale

Competențe dobândite la locul de muncă

- o bună cunoaștere a cursului și lucrărilor practice de Chimie generală (în prezent fiind responsabil de curs și lucrările practice asociate)

Competențe informatice

- cunoștințe bune de operare și administrare a sistemelor de operare bazate pe Debian
- cunoștințe bune de web-design și MySQL
- o bună cunoaștere a instrumentelor Microsoft Office și Libre-Office

Permis de conducere

- A, B

INFORMAȚII SUPLIMENTARE

Publicații

Lista completă a publicațiilor și a activității de evaluator este disponibilă în profilul Web of Science atașat. :

Proiecte

Director de proiect:

- 2006 – 2009 – Proiect pentru tineri doctoranzi TD-236 – Unele implicații moleculare ale megaplasmidului pAO1 în metabolismul bacteriei *Arthrobacter nicotinovorans*
- 2010 - 2012 – Proiect PostDoc PD-337 - Clonarea și caracterizarea cadrelor de citire orf32 și orf40 de pe megaplasmidul pAO1 din *Arthrobacter nicotinovorans* - potențiale modele de studiu ale interacțiunii tagatoza-proteine <http://www.bio.uaic.ro/cercetare/contracte/PD337-Mihasan/pd337.html>
- 2014 - 2015 – Grant de cercetare intern GI-2014-02 pentru tineri cercetători acordat de către Universitatea “Alexandru Ioan Cuza” din Iași;
- 2015 – 2017 – PN-II-RU-TE-2014-4-0106 - Efectele 6-hidroxi-nicotinei asupra neurotoxicității și stresului oxidativ indus de clorizondamină: relevanță pentru boala Alzheimer
- PN-II 50BM/2016 - Romania - P.R.P. China joint research project - Nicotine - from toxic residue to metabolic derivatives with neuroprotective effects
- PN-III-P2-2.1-PED-2016-0177 - Steps towards an *Arthrobacter nicotinovorans* biotechnology for neuro-pharmaceuticals production



Conferințe

- PN-III-P2-2.1-TE-2016-0367 - Developing an *Arthrobacter nicotinovorans* biotechnology for neuro-pharmaceuticals production
- PCE 152 / 2021 - Secvențierea genomului unei bacterii utile: *Paenarthrobacter nicotinovorans* – următorul pas în extinderea aplicațiilor biotehnologice

Participări la conferințe internaționale

- 33rd FEBS Congress Cellular regulatory mechanisms , Atena, Grecia, 28 – 3 Iulie 2008
- International Congress of Bacteriology and Applied Microbiology and International Congress of Mycology, Istanbul, Turcia, 5-9 august 2008
- 34th FEBS Congress, Life's Molecular Interactions, Praga, Republica Cehă, 4-8, Iulie, 2009
- YSF 2010 – Youth Science Forum, Gothenburg, Suedia, 20 Iunie – 14 Iunie, 2010,
- 35th FEBS Congress – Molecules of Life, Gothenburg, Suedia, 26 Iunie – 1 Iulie, 2010
- 2nd EMBO Meeting, Advancing the Life Sciences, 4-7 September, 2010, Barcelona, Spain
- 36th FEBS Congress, Biochemistry for Tomorrow's Medicine, 25-30 Iulie, 2011, Torino
- 3rd EMBO Meeting, 10-13 Septembrie, 2011, Viena, Austria
- XVIII International Botanical Congress, Melbourne, Australia, 25-30 Iulie 2011
- Plant Biology Congress, Freiburg, 29 Iulie – 2 August 2012
- 38th FEBS Congress, “Mechanisms in Biology”, St. Petersburg, Rusia, 6-11 Iulie, 2013
- 40th FEBS Congress, The Biochemical Basis of Life, Berlin, Germania, 4-9 Iulie 2015
- 6th Congress of European Microbiologists (FEMS 2015), 7 - 11 Iunie 2015, Maastricht, Olanda
- 19th Annual International Conference on Research in Computational Molecular Biology (RECOMB) 2015, 12 - 15 Aprilie 2015, Varșovia, Polonia
- 6th Congress of European Microbiologists (FEMS 2015), 7 - 11 Iunie 2015, Maastricht, Olanda
- 41st FEBS Congress, The Biochemical Basis of Life, 4-9 Iulie 2015, Berlin, Germania;
- Experimental Biology Conference, 22-26 Aprilie 2017, Chicago IL, SUA;
- 30th Annual CAMP Technical Meeting, The Inn on the Lake, 18 Mai 2017, Canandaigua, NY, USA;
- 65th Annual American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, , 4-8 Iunie 2017, Indianapolis IN, SUA;
- The Protein Society's 31st Annual Symposium, Iulie 24 - 27, 2017, Montreal, Canada
- 43th FEBS Congress, Biochemistry Forever, 7-12 Iulie 2018, Praga, Cehia;
- 67th ASMS Conference on Mass Spectrometry and Allied Topics, 2-6 Iulie 2019, Atlanta, Georgia, SUA
- 44th FEBS Congress, From Molecules to Living Systems, Iulie 6-11 2019,



Cracovia, Polonia

- EMBO conference - Molecular Mechanisms in Evolution and Ecology, 30 September - 2nd October 2020, Virtual
- Eastern Analytical Symposium, November 16-19, 2020, Virtual

Distincții

- Mențiune la concursul *Idei Științifice Inovative* organizat de *Academia Oamenilor de Știință din România* și fundația *Scientica* pentru proiectul *Identificarea unei metode alternative de obținere a tagatozei – agent antidiabetic și de control a obezității*
- Distincția "Profesor de nota 10" pentru activitatea didactică și de cercetare științifică la manifestarea 10 pentru UAIC
- Premiul "Emil Racoviță" acordat de către Academia Română pentru monografia "*Megaplasmidul pAOI – Structura și Funcție*", 2013
- Ambasador Fulbright, 2018

Afilieri

- Membru fondator al Societății Române de Bioinformatică
- Membru al Societății Române de Biochimie și Biologie Moleculară

Referințe

Referințe scrise pot fi obținute de la prof. Dr. Roderich Brandsch, roderich.brandsch@biochemie.uni-freiburg.de și Prof. Dr. Costel Darie, cdarie@clarkson.edu

19.09.2023

Prof. Dr. Habil. Marius Mihășan





Marius Mihasan

<https://www.webofscience.com/wos/author/rid/B-1119-2010>

Web of Science ResearcherID: [B-1119-2010](#)

ORCID: 0000-0003-4439-4251

Current affiliations:

- Alexandru Ioan Cuza University from 2009 until present
- Clarkson University from 2017 until present

Publication Metrics

For manuscripts published from date range September 1990 - September 2023

24

H-index

1504

Sum of Times Cited

103

Total Publications

95

Web of Science Core Collection Publications

2

Sum of Times Cited by Patents

For all time

24

H-index

1504

Sum of Times Cited

105

Total Publications

95

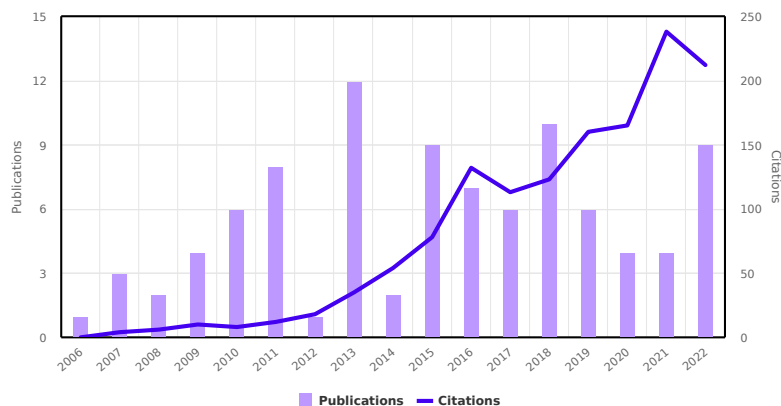
Web of Science Core Collection Publications

2

Sum of Times Cited by Patents

Publication Impact Over Time

Times Cited and Publications Over Time



Publishing Summary

For manuscripts published from date range September 1990 - September 2023

(13) FEBS Open Bio	(12) The FEBS Journal
(4) Romanian Biotechnological Lett...	(3) BMC Complementary and Altern...
(3) Farmacia	(2) Archives of Biological Sciences
(2) Journal of Biosciences	(2) Research in Microbiology
(2) Journal of Materials Science: Mat...	(2) Open Life Sciences
(2) Flavour and Fragrance Journal	(2) Behavioral and Brain Functions
(2) Neurochemical Research	(2) Physiology & Behavior
(2) Phytomedicine	(2) International Conference KNOWL...
(2) Advances in Experimental Medic...	(2) Antioxidants
(1) Journal of Physiology and Bioche...	(1) Journal of Applied Microbiology
(1) Journal of Ethnopharmacology	(1) Microbiology
(1) Applied and Environmental Micr...	(1) Biologia
(1) Archives of Microbiology	(1) Materials Science and Engineeri...
(1) Cellular & Molecular Biology Lett...	(1) Microbiological Research
(1) Planta	(1) Neuroscience Research
(1) Neuroscience Letters	(1) Cellular and Molecular Neurobiol...
(1) Scientia Horticulturæ	(1) Journal of Molecular Evolution
(1) Biomedicine & Pharmacotherapy	(1) Planta Medica
(1) Water, Air, & Soil Pollution	(1) Australian Journal of Herbal Medi...
(1) Journal of Cellular and Molecular...	(1) Medicinal Spices and Vegetables...

(1) Environmental Science and Pollu...	(1) Annals of the Romanian Society f...
(1) Scientific Reports	(1) Journal of the American Society f...
(1) The FASEB Journal	(1) Protein Science
(1) Proteomes	(1) Journal of Chemistry
(1) CNS & Neurological Disorders - D...	(1) Biochemistry and Molecular Biol...
(1) ACS Omega	(1) Microbiology Resource Announc...
(1) Pharmaceutics	(1) Biomedicines
(1) International Journal of Molecula...	

Publications

For manuscripts published from date range September 1990 - September 2023 (103)

Times Cited
(All time)

Advances in Characterizing the Transport Systems of and Resistance to EntDD14, A Leaderless Two-Peptide Bacteriocin with Potent Inhibitory Activity Authors (6): Perez-Ramos, Adrian; Ladjouzi, Rabia ... Drider, Djamel Published: Jan 2023 in International Journal of Molecular Sciences DOI: 10.3390/IJMS24021517 Web of Science accession number: WOS:000915203300001	1
Pinus halepensis Essential Oil Ameliorates A beta 1-42-Induced Brain Injury by Diminishing Anxiety, Oxidative Stress, and Neuroinflammation in Rats Authors (6): Postu, Paula Alexandra; Mihasan, Marius ... Hritcu, Lucian Published: Sep 2022 in Biomedicines DOI: 10.3390/BIOMEDICINES10092300 Web of Science accession number: WOS:000857379000001	0
Structure of Lacticaseicin 30 and Its Engineered Variants Revealed an Interplay between the N-Terminal and C-Terminal Regions in the Activity against Gram-Negative Bacteria Authors (9): Madi-Moussa, Desire; Deracinois, Barbara ... Drider, Djamel Published: Sep 2022 in Pharmaceutics DOI: 10.3390/PHARMACEUTICS14091921 Web of Science accession number: WOS:000856709300001	0
Genome sequence of Paenarthrobacter nicotinovorans strain ATCC 49919, a nicotine-degrading soil microorganism Authors (5): El-Sabeh, A.; Honceriu, I. ... Mihasan, M. Published: Jul 2022 in FEBS Open Bio Web of Science accession number: WOS:000821444600044	0

Lessons learned from 3D printing macromolecular models for teaching and demonstration Authors (1): Mihasan, M. Published: Jul 2022 in FEBS Open Bio Web of Science accession number: WOS:000821444603215	0
Anxiolytic, antidepressant and antioxidant effects of cotinine and 6-hydroxy-L-nicotine in an A beta-induced rat model of Alzheimer disease Authors (3): Boianiu, R. S.; Mihasan, M.; Hritcu, L. Published: Jul 2022 in FEBS Open Bio Web of Science accession number: WOS:000821444601142	0
In silico evaluation of antibiotic resistance and CRISPR systems of <i>Paenarthrobacter nicotinovorans</i> Authors (4): Munteanu, I. T.; Mlesnita, A. M. ... Mihasan, M. Published: Jul 2022 in FEBS Open Bio Web of Science accession number: WOS:000821444600045	0
Sweroside supports memory function by increasing mRNA expression of BDNF, CREB, NPY and decreasing AChE activity and brain oxidative stress in the scopolamine-induced zebrafish model (<i>Danio rerio</i>) Authors (6): Brinza, I.; Stache, A. B. ... Hritcu, L. Published: Jul 2022 in FEBS Open Bio Web of Science accession number: WOS:000821444601151	0
Complete Genome Sequences of Two Closely Related <i>Paenarthrobacter nicotinovorans</i> Strains Authors (5): El-Sabeh, Amada; Honceriu, Lasmina ... Mihasan, Marius Published: Jun 2022 in Microbiology Resource Announcements DOI: 10.1128/MRA.00133-22 Web of Science accession number: WOS:000797911100002	0
Conifer Essential Oils Reversed Amyloid Beta1-42 Action by Modulating BDNF and ARC Expression in The Rat Hippocampus Authors (6): Alexandra Postu, Paula; Tiron, Adrian ... Hritcu, Lucian Published: Jan 2022 in CNS & Neurological Disorders - Drug Targets DOI: 10.2174/1871527320666210303111537 Web of Science accession number: WOS:000754263900001	3
Cotinine and 6-hydroxy-L-nicotine attenuates memory deficits and reduce anxiety and oxidative stress in a zebrafish (<i>Danio rerio</i>) model of Alzheimer's Disease Authors (3): Boianiu, R. S.; Mihasan, M.; Hritcu, L. Published: Jul 2021 in FEBS Open Bio Web of Science accession number: WOS:000668898600577	1

Time-Dependent Analysis of Paenarthrobacter nicotinovorans pAO1 Nicotine-Related Proteome Authors (8): Mihasan, Marius; Boiangiu, Razvan Stefan ... Darie, Costel C. Published: Jun 2021 in ACS Omega DOI: 10.1021/ACSOMEGA.1C01020 Web of Science accession number: WOS:000661452700029	3
A beginner's guideline for low-cost 3D printing of macromolecules usable for teaching and demonstration Authors (1): Mihasan, Marius Published: Mar 2021 in Biochemistry and Molecular Biology Education DOI: 10.1002/BMB.21493 Web of Science accession number: WOS:000631531300001	1
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 Authors (5): Boiangiu, Razvan Stefan; Mihasan, Marius ... Hritcu, Lucian Published: Feb 2021 in Antioxidants DOI: 10.3390/ANTIOX10020212 Web of Science accession number: WOS:000622060100001	12
Antioxidant Activities of Methanol Extracts of Thirteen Cameroonian Antibacterial Dietary Plants Authors (5): Djeussi, Doriane E.; Noumedem, Jaures A. K. ... Kuete, Victor Published: Dec 2020 in Journal of Chemistry DOI: 10.1155/2020/8886762 Web of Science accession number: WOS:000601209800003	2
A Critical Review of Bottom-Up Proteomics: The Good, the Bad, and the Future of This Field Authors (6): Dupree, Emmalyn J.; Jayathirtha, Madhuri ... Dark, Costel C. Published: Sep 2020 in Proteomes DOI: 10.3390/PROTEOMES8030014 Web of Science accession number: WOS:000578122100001	90
Cotinine and 6-Hydroxy-L-Nicotine Reverses Memory Deficits and Reduces Oxidative Stress in A beta(25-35)-Induced Rat Model of Alzheimer's Disease Authors (6): Boiangiu, Razvan Stefan; Mihasan, Marius ... Hritcu, Lucian Published: Aug 2020 in Antioxidants DOI: 10.3390/ANTIOX9080768 Web of Science accession number: WOS:000568034700001	11
A soil bacterial catabolic pathway on the move: Transfer of nicotine catabolic genes between Arthrobacter genus megaplasmids and invasion by mobile elements Authors (2): Brandsch, Roderich; Mihasan, Marius Published: Apr 2020 in Journal of Biosciences DOI: 10.1007/S12038-020-00030-9 Web of Science accession number: WOS:000526367000003	1

Mass Spectrometry- and Computational Structural Biology-Based Investigation of Proteins and Peptides Authors (6): Mihasan, Marius; Wormwood, Kelly L. ... Darie, Costel C. Published: Jul 2019 in Advances in Experimental Medicine and Biology DOI: 10.1007/978-3-030-15950-4_15 Web of Science accession number: WOS:000514082500016	6
Exploration of Nicotine Metabolism in <i>Paenarthrobacter nicotinovorans</i> pAO1 by Microbial Proteomics Authors (6): Mihasan, Marius; Babii, Cornelia ... Darie, Costel C. Published: Jul 2019 in Advances in Experimental Medicine and Biology DOI: 10.1007/978-3-030-15950-4_30 Web of Science accession number: WOS:000514082500031	0
Br-Cl flav - a novel synthetic flavonoid with potent antibacterial properties Authors (7): Babii, C.; Birsa, L. M. ... Stefan, M. Published: Jul 2019 in FEBS Open Bio Web of Science accession number: WOS:000486972401153	0
Time-dependent analysis of <i>Paenarthrobacter nicotinovorans</i> pAO1 nicotine-related proteome Authors (6): Mihasan, M.; Babii, C. ... Darie, C. C. Published: Jul 2019 in FEBS Open Bio DOI: 10.1021/ACSOMEGA.1C01020.S001 Web of Science accession number: WOS:000486972406119	0
Performances of <i>Pichia kudriavzevii</i> in decolorization, biodegradation, and detoxification of CI Basic Blue 41 under optimized cultural conditions Authors (6): Rosu, Craita Maria; Vochita, Gabriela ... Gherghel, Daniela Published: Jan 2019 in Environmental Science and Pollution Research DOI: 10.1007/S11356-018-3651-1 Web of Science accession number: WOS:000454939400040	13
Effects of cotinine and 6-hydroxy-L-nicotine on memory impairment in A beta 25-35 peptide-induced an Alzheimer's disease rat model Authors (3): Boianuiu, R. S.; Mihasan, M.; Hritcu, L. Published: 2019 in FEBS Open Bio Web of Science accession number: WOS:000486972403112	0
Proteomics based analysis of the nicotine catabolism in <i>Paenarthrobacter nicotinovorans</i> pAO1 Authors (6): Mihasan, Marius; Babii, Cornelia ... Darie, Costel C. Published: Nov 2018 in Scientific Reports DOI: 10.1038/S41598-018-34687-Y Web of Science accession number: WOS:000449075100008	13

Ameliorative effects of <i>Matricaria chamomilla</i> L. hydroalcoholic extract on scopolamine-induced memory impairment in rats: A behavioral and molecular study	25
Authors (7): Ionita, Radu; Postu, Paula Alexandra ... Hritcu, Lucian Published: Aug 2018 in Phytomedicine DOI: 10.1016/J.PHYMED.2018.04.049 Web of Science accession number: WOS:000442764100012	
Proteomic analysis of nicotine response in <i>Paenarthrobacter nicotinovorans</i> pAO1	0
Authors (6): Mihasan, M.; Babii, C. ... Darie, C. Published: Jul 2018 in FEBS Open Bio Web of Science accession number: WOS:000437674105165	
<i>Lactuca capensis</i> mitigate cognitive dysfunction on A beta 1-42-induced a rat model of Alzheimer's disease through regulating BDNF mRNA and IL1 beta mRNA expression and antioxidant system activity	0
Authors (7): Postu, P. A.; Noumedem, J. ... Hritcu, L. Published: Jul 2018 in FEBS Open Bio Web of Science accession number: WOS:000437674103114	
A novel synthetic flavonoid with potent antibacterial properties: in vitro activity and proposed mode of action	0
Authors (7): Babii, C.; Neagu, A. ... Stefan, M. Published: Jul 2018 in FEBS Open Bio DOI: 10.1371/JOURNAL.PONE.0194898 Web of Science accession number: WOS:000437674105243	
Structural Characterization and Disulfide Assignment of Spider Peptide Ph alpha 1 beta by Mass Spectrometry	17
Authors (7): Wormwood, Kelly L.; Wetie, Armand Gatien Ngounou ... Darie, Costel C. Published: May 2018 in Journal of the American Society for Mass Spectrometry DOI: 10.1007/S13361-018-1904-3 Web of Science accession number: WOS:000431802500004	
<i>Lactuca capensis</i> reverses memory deficits in A beta 1-42-induced an animal model of Alzheimer's disease	30
Authors (9): Postu, Paula Alexandra; Noumedem, Jaures A. K. ... Hritcu, Lucian Published: Jan 2018 in Journal of Cellular and Molecular Medicine DOI: 10.1111/JCMM.13299 Web of Science accession number: WOS:000418759200011	
Biodegradation and Detoxification Efficiency of Azo-Dye Reactive Orange 16 by <i>Pichia kudriavzevii</i> CR-Y103	18
Authors (8): Rosu, Craita Maria; Avadanei, Mihaela ... Vochita, Gabriela Published: Jan 2018 in Water, Air, & Soil Pollution DOI: 10.1007/S11270-017-3668-Y Web of Science accession number: WOS:000423544600016	

Nicotine metabolic genes in Arthrobacter: pAO1 vs AK-YN10 Authors (3): Boiangiu, R. S.; Andrei, A.; Mihasan, M. Published: 2018 in FEBS Open Bio Web of Science accession number: WOS:000437674105241	1
Phosphate solubilizing bacteria from runner bean rhizosphere and their mechanism of action Authors (5): Mihalache, Gabriela; Mihasan, Marius ... Raus, Lucian Published: 2018 in Romanian Biotechnological Letters DOI: 10.26327/RBL2017.60 Web of Science accession number: WOS:000443345900015	5
Nicotine-Induced Proteome of Arthrobacter nicotinovorans pAO1 Authors (4): Mihasan, Marius; Darie, Costel ... Aslebagh, Roshanak Published: Dec 2017 in Protein Science Web of Science accession number: WOS:000418795900351	0
Nicotine-Induced Proteome of Arthrobacter nicotinovorans pAO1+ Authors (3): Mihasan, Marius; Babii, Cornelia; Darie, Costel C. Published: Apr 2017 in The FASEB Journal Web of Science accession number: WOS:000405461403358	0
Cognitive-enhancing and antioxidant activities of the aqueous extract from Markhamia tomentosa (Benth.) K. Schum. stem bark in a rat model of scopolamine Authors (8): Ionita, Radu; Postu, Paula Alexandra ... Hritcu, Lucian Published: Mar 2017 in Behavioral and Brain Functions DOI: 10.1186/S12993-017-0123-6 Web of Science accession number: WOS:000397486800001	19
6-HYDROXY-L-NICOTINE EFFECTS ON ANXIETY AND DEPRESSION IN A RAT MODEL OF CHLORISONDAMINE Authors (6): Ionita, Radu; Valu, Vlad Mihai ... Mihasan, Marius Published: Mar 2017 in Farmacia Web of Science accession number: WOS:000400126800012	5
Lactuca sativa Authors (5): Noumedem, J. A. K.; Djeussi, D. E. ... Kuete, V. Published: 2017 in Medicinal Spices and Vegetables from Africa: Therapeutic Potential Against Metabolic, Inflammatory, Infectious and Systemic Diseases DOI: 10.1016/B978-0-12-809286-6.00020-0 Web of Science accession number: WOS:000412468400021	18
Nicotine versus 6-hydroxy-L-nicotine against chlorisondamine induced memory impairment and oxidative stress in the rat hippocampus Authors (6): Hritcu, Lucian; Ionita, Radu ... Mihasan, Marius Published: 2017 in Biomedicine & Pharmacotherapy DOI: 10.1016/J.BIOPHA.2016.12.008 Web of Science accession number: WOS:000395523800015	16

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Anxiolytic and antidepressant-like effects of <i>Ferulago angulata</i> essential oil in the scopolamine rat model of Alzheimer's disease Authors (5): Bagci, Eyup; Aydin, Emel ... Hritcu, Lucian Published: 2016 in Flavour and Fragrance Journal DOI: 10.1002/FFJ.3289 Web of Science accession number: WOS:000368256000007	25
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PHOSPHATE-SOLUBILIZING BACTERIA ASSOCIATED WITH RUNNER BEAN RHIZOSPHERE Authors (6): Mihalache, Gabriela; Zamfirache, Maria-Magdalena ... Raus, Lucian Published: 2015 in Archives of Biological Sciences DOI: 10.2298/ABS141003038M Web of Science accession number: WOS:000366794800004	9
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Effects of inoculation with plant growth promoting rhizobacteria on photosynthesis, antioxidant status and yield of runner bean Authors (4): Stefan, Marius; Munteanu, Neculai ... Mihasan, Marius Published: 2013 in Romanian Biotechnological Letters Web of Science accession number: WOS:000318221200008	61
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Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly(amide-hydroxyurethane) media Authors (8): Stefan, Marius; Hritcu, Lucian ... Melnig, Viorel Published: 2011 in Journal of Materials Science: Materials in Medicine DOI: 10.1007/S10856-011-4281-Z Web of Science accession number: WOS:000290044000005	21
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SOYBEAN (GLYCINE MAX L MERR.) INOCULATION WITH BACILLUS PUMILUS RS3 PROMOTES PLANT GROWTH AND INCREASES SEED PROTEIN YIELD: RELEVANCE FOR ENVIRONMENTALLY-FRIENDLY AGRICULTURAL APPLICATIONS Authors (1): Stefan, M. Published: 2010	Not indexed in the Web of Science

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The class IId bacteriocin thuricin-17 increases plant growth Authors (10): Lee, Kyung Dong; Gray, Elizabeth J. ... Smith, Donald Lawrence Published: Mar 2009 in Planta DOI: 10.1007/S00425-008-0870-6 Web of Science accession number: WOS:000263674800002	62
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Micromorphology, anatomy and volatile constituents of leaf in some Lamiaceae species Authors (10): Zamfirache, M. M.; Burzo, I ... Truta, E. Published: 2009 in Planta Medica DOI: 10.1055/S-0029-1234926 Web of Science accession number: WOS:000268806600693	0
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Review Summary



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Toxic Effects and Mechanisms of Cationic Blue Sd-Gsl on Chlorella Vulgaris Before and after the Biological Decolorization Process

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Qualitative shotgun proteomics strategy for protein expression profiling of fish otoliths

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Comparative De Novo and Pan-Genome Analysis of MDR Nosocomial Bacteria Isolated from Hospitals in Saudi Arabia

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Mechanistic Insights on Enzyme Mediated- Metabolite Cascade During Decolourization of Reactive Blue 13 Using Novel Microbial Consortium

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Genome Analysis of a Newly Enriched Azo Dyes Detoxification Halo-thermophilic Bacterial Consortium

Reviewed: Feb 2023 for Environmental Pollution

Chemical characterization of the polyphenolic rich fraction of Thunbergia erecta and its therapeutic potential against doxorubicin and cyclophosphamide-induced cognitive impairment in rats

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The proteomic analysis of *Pseudomonas fluorescens* mediated resistance responses in tomato during pathogenic interaction with *Fusarium oxysporum* f. sp. *oxysporum*

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Bioprocess Engineering, Transcriptome, and Intermediate Metabolite Analysis of L-Serine High-Yielding *Escherichia coli* W3110

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Barbigerone Improves Memory Impairment in Scopolamine-treated Rats By Inhibiting Stress and Acetylcholinesterase Activities Oxidative

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Rational Metabolic Engineering Combined with Biosensor-Mediated Adaptive Laboratory Evolution for L-Cysteine Overproduction from Glycerol in *Escherichia coli*

Reviewed: Jun 2022 for Fermentation

Metabolic remodeling of pyrimidine synthesis pathway and serine synthesis pathway in human glioblastoma

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An insight on medicinal attributes of pyrimidine scaffold: An updated review

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Long-term administration of soft drink causes memory impairment and oxidative damage in adult and middle-aged rats

Reviewed: Feb 2022 for Experimental Gerontology

A Genome-Scale Metabolic Model of *Methanoperedens nitroreducens*: Assessing Bioenergetics and Thermodynamic Feasibility

Reviewed: Feb 2022 for Metabolites

Exploration of Bioactive Peptides to Inhibit Beta-1 Adrenergic Receptor as Novel Beta-blocker Candidates: A Virtual Screening Approach

Reviewed: Jan 2022 for Recent Patents on Biotechnology

Ranuncoside Reduced Lipopolysaccharide-induced Oxidative Stress in Mice: an in Vivo Study of Neurodegeneration

Reviewed: Jan 2022 for Frontiers in Pharmacology

Nicotine Metabolism Pathway in Bacteria: Mechanism, Modification, and Application

Reviewed: Dec 2021 for Applied Microbiology and Biotechnology

3/4- Or 3/6-subfamily Variants of A-conotoxins GI and MI Exhibit Potent Inhibitory Activity Against Muscular Nicotinic Acetylcholine Receptors

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Molecular Interaction Studies of Methyltransferase as Antibiotics Against Foodborne and Drug Resistant Bacterial Pathogen: An In-silico Approach for Exploring Enzyme as Enzymobiotics

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Residue Interaction Network and Comparative Structural Analysis of Drug Efflux MATE Proteins in *P. Aeruginosa* and *S. Aureus*

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Soil Bacteria in Urban Community Gardens Have the Potential to Disseminate Antimicrobial Resistance Through Horizontal Gene Transfer

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In Silico Mining and Characterization of Gene Families Involved in Sesame Oil Biosynthesis
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Oligonucleotides-transformers for molecular biology and nanoengineering
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A Single LC-MS/MS Analysis to Quantify CoA Biosynthetic Intermediates and Short-Chain Acyl CoAs
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Oxidative Stress Signaling in Blast TBI-Induced Tau Phosphorylation
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Optimization of Growth Conditions for Oxalate Decarboxylase Production from Pseudomonas Sp. OXDC12 and in Vitro Inhibition of Calcium Oxalate Crystallization By Oxalate Decarboxylase
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Establishment, Validation, and Initial Application of a Sensitive LC-MS/MS Assay for Quantification of the Naturally Occurring Isomers Itaconate, Mesaconate, and Citraconate
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Itaconate Alters Succinate and Coenzyme A Metabolism via Inhibition of Mitochondrial Complex II and Methylmalonyl-CoA Mutase
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Toxicokinetics of Arenobufagin and its Cardiotoxicity Mechanism Exploration Based on Lipidomics and Proteomics Approaches in Rats
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Bioorthogonal Reactions in Activity-Based Protein Profiling
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Every-other day fasting prevents memory impairment induced by high fat-diet: Role of oxidative stress
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Methods of Purification and Application Procedures of Alpha1 Antitrypsin: A Long-Lasting History
2 rounds from Jul 2020 to Aug 2020 for Molecules

Investigation on Intestinal Proteins and Drug Metabolizing Enzymes in Simulated Microgravity Rats by a Proteomics Method
Reviewed: Jul 2020 for Molecules

Xanthine Oxidase Perspective in Human Healths
Reviewed: Jul 2020 for Current Biotechnology

Biochemical and Genetic Analysis of 4-Hydroxypyridine Catabolism in Arthrobacter sp. Strain IN13
Reviewed: Jun 2020 for Microorganisms

Calea zacatechichi Schltdl. (Compositae) produces anxiolytic- and antidepressant-like effects, and increases the hippocampal activity during REM sleep in rodents
Reviewed: Apr 2020 for Journal of Ethnopharmacology

Identification of a novel BACE1 inhibitor, timosaponin A-III, for treatment of Alzheimer's disease by a cell extraction and chemogenomics target knowledgebase-guided method
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A High Resolution Measurement of Nucleotide Sugars By Using Ion-Pair Reverse Chromatography and Tandem Columns

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Moderate Noise Incites Oxidative Stress Overload Leading to Memory Impairment, Neuro-inflammation and Neurodegeneration

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Zinc toxicity in seedlings of three trees from the Fabaceae associated with arbuscular mycorrhizal fungi

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Intracerebroventricular Injection of Beta Amyloid Peptide (1-42) Modifies the Temporal Organization of Antioxidant Defenses and Oxidative Stress in the Prefrontal Cortex

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A cross-category puffing topography, mouth level exposure and consumption study among Italian users of tobacco and nicotine products

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Microbial Response of Biogeochemistry Action of Iron and Manganese in Hyporheic Zone Driven By Pumping of Groundwater Beside the River

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The Changes of Inwardly Rectifier Potassium Channels in the Hippocampus of Amyloid Beta(1-42) Infused Rat Model of Alzheimer Disease

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Characterization of a Dibenzofuran-degrading strain of *Pseudomonas aeruginosa*, FA-HZ1

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Characterization of Environmentally Friendly Hexabromocyclododecane Degradation By a Novel *Bacillus* Strain (HB-CD-sjtu)

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Differential Protein Expression During Growth on Medium Versus Long-Chain Alkanes in the Obligate Marine Hydrocarbon-Degrading Bacterium *Thalassolituus oleivorans* MIL-1

Reviewed: Nov 2018 for Frontiers in Microbiology

Characterization of Environmentally Friendly Hexabromocyclododecane Degradation By a *Bacillus* Strain (HB-CD-sjtu)

Reviewed: Sep 2018 for Applied Microbiology and Biotechnology

Effects of Blue and Red Light On The Growth And Nitrate Metabolism In Pakchoi

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Complete Genome Sequence of *Sphingomonas melonis* TY Reveals its Ability to Degrade Benzene

Reviewed: Jul 2018 for Current Microbiology

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Renoprotective effect of *Spirulina platensis* extract against nicotine-induced oxidative stress-mediated inflammation in rats

2 rounds from Jun 2018 to Jun 2018 for Phytomedicine

NdpT Encodes a Nicotine Exporter Involved in Nicotine Catabolism By *Sphingomonas Melonis* TY
2 rounds from Mar 2018 to May 2018 for Scientific Reports

Complete Genome Sequence of *Bacillus* Sp. HBCD-sjtu, an Efficient HBCDs Degrading Bacterium
Reviewed: Apr 2018 for 3 Biotech

Simultaneous quantification of phenolic acids and flavonoids in *Chamaerops humilis* L. using LC-ESI-MS/MS
2 rounds from Feb 2013 to Jan 2018 for Food Science and Technology

2-Picolinate and Nicotinamide Degradation By A Newly Identified Strain *Alcaligenes* Sp. P156
Reviewed: May 2017 for Plos One

Isolation, characterization and transcriptome analysis of a novel Antarctic *Aspergillus sydowii* strain MS-19 as a potential lignocellulosic enzyme source
3 rounds from Feb 2017 to May 2017 for BMC Microbiology

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Reviewed: May 2017 for Cellular and Molecular Bioengineering

High Efficiency Liposome Fusion Induced By Reducing Undesired Membrane Peptides Aggregation
Reviewed: Apr 2017 for Open Chemistry

Valerian/hops Prevents Stress-induced Oxidative Stress in Mice Model of Anxiety: a Focus on its Prevailing Sedative Effect
Reviewed: Nov 2016 for Journal of Integrative Medicine

Towards Restraining the Antibiotic Resistance: A Study on the Effect of Plant Derived Inhibitors on Multidrug Efflux Transporter, STY4874 from *Salmonella Typhi*
Reviewed: Nov 2016 for BMC Complementary and Alternative Medicine

Biodegradation and metabolic pathway of nicotine in *Rhodococcus* sp Y22
Reviewed: Jun 2016 for World Journal of Microbiology and Biotechnology

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Reviewed: Dec 2015 for Molecular Neurobiology

Screening of Functional Promoters from *Arthrobacter* Sp. CGMCC 3584 By Using a Green Fluorescent Protein-Based Reporter System
Reviewed: Sep 2015 for Applied Microbiology and Biotechnology

Antimicrobial Activity of *Alcaligenes* Sp. HPC 1271 Against Multi-drug Resistant Bacteria
Reviewed: Jul 2015 for Functional & Integrative Genomics

S-triazine Degrading Bacterial Isolate *Arthrobacter* Sp. AK-YN10, a Good Candidate for Bioaugmentation of Atrazine Contaminated Soil
Reviewed: May 2015 for Applied Microbiology and Biotechnology

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Reviewed: Apr 2015 for Applied Biochemistry and Biotechnology

The Effects of Inhaled *Pimpinella Peregrina* Essential Oil on Scopolamine-induced Memory Impairment, Anxiety and Depression in Laboratory Rats
Reviewed: Feb 2015 for Physiology & Behavior

Genome-wide investigation of the genes involved in nicotine metabolism in *Pseudomonas putida* J5 by Tn5 transposon mutagenesis
Reviewed: Jan 2015 for Applied Microbiology and Biotechnology

6-Hydroxy-3-Succinoylpyridine Hydroxylase Catalyzes a Central Step of Nicotine Degradation in *Agrobacterium tumefaciens* S33

2 rounds from May 2014 to Jul 2014 for Plos One

Memory-enhancing activities of the aqueous extract of *Albizia adianthifolia* leaves in the 6-hydroxydopamine-lesion rodent model of Parkinson's disease

Reviewed: Feb 2014 for BMC Complementary and Alternative Medicine

The Content of Organic Compounds in Pea (*Pisumsativum* L.) Seeds

Reviewed: Dec 2013 for African Journal of Agricultural Research

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Reviewed: Mar 2013 for African Journal of Biotechnology

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Reviewed: Mar 2013 for African Journal of Biotechnology

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Reviewed: Mar 2013 for African Journal of Biotechnology

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Reviewed: Mar 2013 for African Journal of Biotechnology

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Reviewed: Feb 2013 for African Journal of Microbiology Research

Beamplot Summary

