

FIȘĂ DE AUTOEVALUARE

DESCRIPTORI	PUNCTAJ
1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	
<ul style="list-style-type: none"> ▪ Mihalache G., Balaes T., Gostin I., Stefan M., Coutte F., Krier F. (2018), Lipopeptides produced by <i>Bacillus subtilis</i> as new biocontrol agents against fusariosis in ornamental plants. <i>Environmental Science and Pollution Research</i> 25(30): 29784-29793. 	$(60 \text{ puncte} \times 2,8 + 25)/6 = 32,16$
<ul style="list-style-type: none"> ▪ Mihalache G., Zamfirache M.M., Hamburda S., Stoleru V., Munteanu N., Stefan M. (2016) Synergistic effect of <i>Pseudomonas lini</i> and <i>Bacillus pumilus</i> on runner bean growth enhancement. <i>Environmental Engineering and Management Journal</i> 15(8):1823-1831. 	$(60 \text{ puncte} \times 1,334 + 25)/6 = 17,5$
<ul style="list-style-type: none"> ▪ Mihalache G., Zamfirache M.M., Mihasan M., Ivanov I., Stefan M., Raus L. (2015) Phosphate-solubilizing bacteria associated with runner bean rhizosphere, <i>Archives of Biological Sciences</i> 67(3): 793-800. 	$(60 \text{ puncte} \times 0,648 + 25)/6 = 10,64$
<ul style="list-style-type: none"> ▪ Babii C., Mihalache G., Bahrin LG, Neagu A-N, Gostin I., Mihai CT, Sârbu LG, Birsa LM, Stefan M. (2018) A novel synthetic flavonoid with potent antibacterial properties: <i>In vitro</i> activity and proposed mode of action. <i>PLoS ONE</i> 13(4): e0194898. 	$(60 \text{ puncte} \times 2,766 + 25)/9 = 21,21$
<ul style="list-style-type: none"> ▪ Mihalache G., Mihasan M., Zamfirache M.M., Stefan M., Raus L. (2017) Phosphate solubilizing bacteria from runner bean rhizosphere and their mechanism of action. <i>Romanian Biotechnological Letters</i> DOI:10.26327/RBL2017.60. 	$(60 \text{ puncte} \times 0,404 + 25)/5 = 9,84$
	<i>Punctaj Total: 91,35</i>

<p>2. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI</p> <ul style="list-style-type: none"> ▪ Mihalache G., Zamfirache M.M., Stefan M. (2015) Root associated bacteria– friends or enemies? A review, <i>Memoirs of the Scientific Sections of the Romanian Academy</i>, Tome XXXVIII, 27-54. ▪ Mihalache G., Munteanu N., Dunca S., Mihășan M., ȘtefanM. (2012) Phosphate-solubilising rhizobacteria associated with <i>Phaseolus coccineus</i> L. rhizosphere. <i>Analele Științifice ale Universității „Alexandru Ioan Cuza”</i>, Secțiunea Genetică și Biologie Moleculară, Tome XIII, 65-69. 	<p style="text-align: right;">$15 / 3 = 5$</p> <p style="text-align: right;">$15 / 5 = 3$</p> <p style="text-align: right;"><i>Punctaj Total: 8</i></p>
<p>3. Articole științifice publicate <i>in extenso</i> în volumele conferințelor</p> <ul style="list-style-type: none"> ▪ Mihalache G., Stefan M., Babii C., Motei D., Mihășan M. (2016) Steps towards <i>Arthrobacter nicotinovorans</i> based biotechnology for production of 6-hidroxy- nicotine, 16th International Multidisciplinary Scientific Geo Conferences SGEM2016, <i>Advances in Biotechnology</i>, 341-346. 	<p style="text-align: center;">Indexate ISI:</p> <p style="text-align: right;">$30 / 5 = 6$</p> <p style="text-align: right;"><i>Punctaj Total: 6</i></p>
<p>4. Citări și recenzii ale lucrărilor științifice</p> <ul style="list-style-type: none"> ▪ Mihalache G., Balaes T., Gostin I., Stefan M., Coutte F., Krier F. (2018), Lipopeptides produced by <i>Bacillus subtilis</i> as new biocontrol agents against fusariosis in ornamental plants. <i>Environmental Science and Pollution Research</i> 25(30): 29784-29793. 	<p style="text-align: center;">3 citări în reviste de specialitate din străinătate:</p> <ol style="list-style-type: none"> 1. Luna-Bulbarela A., Tinoco-Valencia R., Corzo G., Kazuma K., Konno K., Galindo E., Serrano-Carreón L., (2018) Effects of bacillomycin D homologues produced by <i>Bacillus amyloliquefaciens</i> 83 on growth and viability of <i>Colletotrichum gloeosporioides</i> at different physiological stages. <i>Biological Control</i> 127:145-154. https://doi.org/10.1016/j.biocontrol.2018.08.004 $(10 + 20 \times 2,112)/6 = 8,70$ 2. Pupin, M., Flissi, A., Jacques, P. et al. <i>Eur J Plant Pathol</i> (2018) 152: 993.

<ul style="list-style-type: none"> ▪ Mihalache G., Zamfirache M.M., Hamburda S., Stoleru V., Munteanu N., Stefan M. (2016) Synergistic effect of <i>Pseudomonas lini</i> and <i>Bacillus pumilus</i> on runner bean growth enhancement. <i>Environmental Engineering and Management Journal</i> 15(8):1823-1831. 	<p>https://doi.org/10.1007/s10658-018-1544-2 $(10 + 20 \times 1,466)/6 = 6,55$</p> <p>3. Youwei He, Manli Zhu, Junbin Huang, Tom Hsiang & Lu Zheng (2019) Biocontrol potential of a <i>Bacillus subtilis</i> strain BJ-1 against the rice blast fungus <i>Magnaporthe oryzae</i>, Canadian Journal of Plant Pathology, DOI: 10.1080/07060661.2018.1564792 $(10 + 20 \times 0,898)/6 = 2,99$</p> <p>8 citări în reviste de specialitate din țară:</p> <p>1. Jing Wei; Xiaoyan Liu; Chuanhua Wang; Xueping Chen; Xia Liang; Qian Wang (2018) Contrastive soil properties, microbial structure and soil enzymes in the rhizosphere of scirpus triquetra and bulk soil in petroleum-contaminated wetland. <i>Environmental Engineering and Management Journal</i> 17(7):1701-1709. $(5 + 10 \times 1,334)/6 = 3,05$</p> <p>2. Asiabadi, Farida Iraj; Mirbagheri, Seyed Ahmad; Najafi, Payam; Moatar, Faramarz (2018) Concentrations of petroleum hydrocarbons at different depths of soil following phytoremediation. <i>Environmental Engineering and Management Journal</i> 17(9):2129-2135 $(5 + 10 \times 1,334)/6 = 3,05$</p> <p>3. Nnanke Agbam OJOGU, Paul Aunde ANNUNE, Gabriel Robert OKAYI (2017) Toxicological effects of aqueous extract of <i>Piptadeniastrum Africanum</i> bark on <i>Clarias gariepinus</i> juveniles. <i>Banat's Journal of Biotechnology</i> VIII(15):123-135. $(5 + 10 \times 0)/6 = 0,83$</p>
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	<p>4. Hassan, W.; David, J. (2018) Comparative effectiveness of acc-deaminase and/or n fixing rhizobacteria in rice (<i>Oryza sativa</i> L.). <i>Environmental Engineering and Management Journal</i> 17(5): 1113-1121. $(5 + 10 \times 1,334)/6 = 3,05$</p> <p>5. Mirjana Menkovska, Dragan Damjanovski, Vesna Levkov, Natasha Gjorgovska, Desimir Knezevic, Nedeljka Nikolova, Vinko Stanoev (2017) Content of B–glucan in cereals grown by organic and conventional farming. <i>Banat's Journal of Biotechnology</i> VIII(16):39-47 $(5 + 10 \times 0)/6 = 0,83$</p> <p>6. Faramarz Hariri Moghadam, Jafar Khalghani, Saeid Moharramipour, Babak Gharali, Mehrzad Mostashari Mohasses (2018) Antixenosis resistance in sugar beet varieties to long snout weevil <i>Lixus incanescens</i> Boh. (Col.: Curculionidae). <i>Banat's Journal of Biotechnology</i> IX(17):24-30. $(5 + 10 \times 0)/6 = 0,83$</p> <p>7. Diana H. Marinova (2017) Variability and relationships of some important alfalfa germplasm traits. <i>Banat's Journal of Biotechnology</i> VIII(15):18-24 $(5 + 10 \times 0)/6 = 0,83$</p> <p>8. Verma, Jay Prakash; Yadav, Janardan (2018) Implication of microbial consortium on biomass and yield of chickpea under sustainable agriculture. <i>Environmental Engineering and Management Journal</i> 17(3):513-522 $(5 + 10 \times 1,334)/6 = 3,05$</p>
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- **Mihalache G.**, Zamfirache M.M., Mihasan M., Ivanov I., Stefan M., Raus L. (2015) Phosphate-solubilizing bacteria associated with runner bean rhizosphere, *Archives of Biological Sciences* 67(3): 793-800.

4 citări în reviste internaționale:

1. Gupta, P. & Kumar, V. *World J Microbiol Biotechnol* (2017) 33: 9.
<https://doi.org/10.1007/s11274-016-2176-3>
(10 + 20 x 2,1)/6 = 8,66
2. Tamilselvi, S.M.; Thiagarajan, C.; Uthandi, S. (2016) Calcite dissolution by *Brevibacterium* sp. SOTI06: A futuristic approach for the reclamation of calcareous sodic soils. *Front. Plant Sci.* 7:1828, doi: 10.3389/fpls.2016.01828
(10 + 20 x 3,677)/6 = 13,92
3. Fathollahzadeh, H., Eksteen, J.J., Kaksonen, A.H. et al. *Appl Microbiol Biotechnol* (2018).
<https://doi.org/10.1007/s00253-018-9526-z>
(10 + 20 x 3,340)/6 = 12,8
4. Tamilselvi, S. M., Chitdeshwari Thiagarajan & Sivakumar Uthandi (2018) Calcite dissolution by *Bacillus subtilis* SSRCI02: An in vitro study for the reclamation of calcareous saline-sodic soils. *Indian Journal of Geo Marine Sciences* 47(06):1267-1273
(10 + 20 x 0,289)/6 = 2,63

1 citare în monografie academică din străinătate:

1. Khan M.S., Rizvi A., Saif S., Zaidi A. (2017) Phosphate-Solubilizing Microorganisms in Sustainable Production of Wheat: Current Perspective. In: Kumar V., Kumar M., Sharma S., Prasad R. (eds) *Probiotics in Agroecosystem*. Springer, Singapore
50 / 6 = 8,33

<ul style="list-style-type: none"> ▪ Babii C., Mihalache G., Bahrin LG, Neagu A-N, Gostin I., Mihai CT, Sârbu LG, Bîrsa LM, Stefan M. (2018) A novel synthetic flavonoid with potent antibacterial properties: <i>In vitro</i> activity and proposed mode of action. <i>PLoS ONE</i> 13(4): e0194898. ▪ Mihalache G., Zamfirache M.M., Stefan M. (2015) Root associated bacteria– friends or enemies? A review, <i>Memoirs of the Scientific Sections of the Romanian Academy</i>, Tome XXXVIII, 27-54. ▪ Mihalache G., Stefan M., Babii C., Motei D., Mihășan M. (2016) Steps towards <i>Arthrobacter nicotinovorans</i> based biotechnology for production of 6-hidroxy- nicotine, 16th International Multidisciplinary Scientific Geo Conferences SGEM2016, <i>Advances in Biotechnology</i>, 341-346. 	<p>1 citare într-o revistă de specialitate din străinătate:</p> <p>1. Asmita V. Hirapara, Shipra H. Baluja (2019) Synthesis, characterization and antimicrobial activity of pyrazolo chalcone compounds. <i>World Scientific News</i> 215:242-259 (10 + 20 x 0)/9 = 1,11</p> <p>1 citare în monografie academică din străinătate:</p> <p>1. Mukesh Meena, Dubey, M. K., Prashant Swapnil, Andleeb Zehra, Shalini Singh, Punam Kumari, Upadhyay, R. S. (2017) The rhizosphere microbial community and methods of its analysis. În <i>Advances in PGPR research</i>. Singh, H. B., Sarma, B. K., Keswani, C. (eds.) CABI, UK. pp. 275-296 50 / 3 = 16,66</p> <p>1 citare într-o revistă de specialitate din țară:</p> <p>1. Mocanu, E-M; Mazarachi, A - L; Mihășan, M. (2018) In vitro stability and antioxidant potential of the neuprotective metabolite 6-hydroxy-nicotine. <i>Journal of Experimental & Molecular Biology</i> 19(3):53-57 (5+ 10 x 0)/5 = 1</p> <p style="text-align: right;"><i>Punctaj Total: 98,87</i></p>
<p>5. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)</p>	<p>Contracte naționale – membru</p> <p>1. Efectele 6-hidroxi-nicotinei asupra neurotoxicității și stresului oxidativ indus de clorizondamină: relevanță pentru boala Alzheimer. Acronim NicDeriv, cod proiect: PN-II-RU-TE-2014-4-0106, Număr contract: 122/01.10.2015 54,96 / 6 = 9,16</p>

	<p>2. PNIII–CAPACITĂȚI, Modulul III–Cooperări bilaterale, Romania–Africa de Sud, nr.10BM/2016 (2016-2017): Studiul biodiversității rizosferei plantelor de <i>Zea mays</i> L. și <i>Vigna unguiculata</i> (L.) WALP. - premisă pentru aplicații în bioeconomie 3,39 / 6 = 0,565</p> <p>3. Eco-nano-tehnologii și echipamente inteligente pentru cartografierea proprietăților solului și evaluarea în dinamica plantei, în vederea eficientizării producției agricole și protecției mediului.” Acronim BIOSENZOR, cod proiect PN-III-P1-1.2-PCCDI-2017-0428. 67 / 17 = 3,94</p> <p style="text-align: right;"><i>Punctaj Total: 13,66</i></p>
6. Alte premii naționale ale instituțiilor culturale	<p>Premiul UEFICDI pentru articolul: Babii C., Mihalache G., Bahrin LG, Neagu A-N, Gostin I., Mihai CT, Sârbu LG, Birsa LM, Stefan M. (2018) A novel synthetic flavonoid with potent antibacterial properties: <i>In vitro</i> activity and proposed mode of action. <i>PLoS ONE</i> 13(4): e0194898.</p>