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|  | Formular         | COD: PO-CSUD-01 – F3 |
|                                                                                  | Lista de lucrări |                      |

Domeniul de studii universitare de doctorat Ingineria produselor alimentare

## LISTA DE LUCRĂRI

Candidat: MATEI T. Florentina - Dr./ din 2001, Profesor universitar/ din 2020

(NUME, inițială și prenume)

(anul) (Titlul didactic/echiv.)

(anul)

### 1<sup>o</sup> Teza(-ele) de doctorat (dacă este cazul)

- 2003: Influența unor sușe de levuri și bacterii lactice asupra calității vinurilor roșii. Doctor în Horticultură. USAMV București
- 2001: Molecular breeding of wine yeasts capable of degrading pectic substances. Doctor în Biologie. Osaka Prefecture University, Japan.

### 2<sup>o</sup> Cărți/cursuri publicate în edituri recunoscute sau pe plan local (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), cursuri proprii pe Web, prin care se aduc contribuții la dezvoltarea activităților didactice/profesionale (dacă este cazul)

|    |                                                                                                                                                                               |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ca | Ca1 Matei F. (2023). Microbiologie aplicată- Ediție revizuită și adăugită. Ed. Ex Terra Aurum, USAMV București, ISBN 978-606-072-292-2 (288 pag).                             |
|    | Ca2 Diguta C.F., Matei F. (2020). Microbiologie generală - tehnici de laborator (revizuita si adaugita) Ed. Ex-Terra Aurum, USAMV Bucuresti, ISBN 978-606-072-006-5, 181 pag. |
|    | Ca3 Diguta C.F., Matei Fm(2014). Microbiologie generală - tehnici de laborator. Ed. Ex-Terra Aurum, 171 pagini.                                                               |
|    | Ca4 Matei F., (2011): Microbiologie aplicată (Applied Microbiology), Ed. Printech, Bucharest. ISBN 978-606-521-627-3, 240 pg.                                                 |
| I  | I1. Matei F., Diguta C., Iordache M. Ghid de consiliere in cariera pentru studentii si absolventii din domeniul Biotehologic. Proiect POSDRU. 31 de pagini, 2014              |
|    | I2. Matei F. Microbiologie speciala - Lucrari practice de laborator. AMC USAMV B, 138 pagini, 2010                                                                            |
|    | I3. Matei F. Microbiologie industrială. AMC USAMV B, 118 pagini, 2006                                                                                                         |
|    | I4. Herascu L.M., Radoi F. Microbiologie specială. AMC USAMV B, 100 pagini, 2002                                                                                              |
|    | I5. Jurcoane St., Radoi F., Diaconu L. Biotehnologie generala-lucrari de laborator. AMC USAMV B, 50 pagini, 1998                                                              |

### 3<sup>o</sup> Cărți de specialitate publicate în edituri recunoscute (Cb1, Cb2 etc.) (dacă este cazul)

Articole / studii publicate în reviste de specialitate de circulație internațională recunoscute (Ri, Rizetc.), articole/studii publicate în reviste de specialitate de circulație națională recunoscute (Rn1, Rn2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară și din străinătate (A1, A2 etc.), articole / studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (Vi1, Vi2 etc.), articole / studii publicate în volumele unor manifestări științifice naționale (Vn1, Vn2 etc.), lucrări prezentate la diferite seminarii / expoziții, inovații etc. (E1, E2 etc.), după caz, prin care se aduc contribuții științifice la dezvoltarea domeniului.

|    |                                                                                                                                                                                                                                                                                       |
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| Cb | Cb1 Matei F., Boiu-Sicuia O.A., Popa E., Dinu L.D. (2024). <i>Green BioEconomy – Concepts and Principles</i> . Chpt 1. in European Perspectives on Green Biotechnology Business Practices. Ed. Zirra D. & Toma R.C.; Cambridge Scholars Pub., UK, ISBN: 1-0364-0416-1, p.1-15.        |
|    | Cb2 Geicu-Cristea M., Voaides C.M., Diguță C.F., Matei F. (2024). <i>Mapping of Local Green Biotech Business</i> . Chpt 9. in European Perspectives on Green Biotechnology Business Practices. Ed. Zirra D. & Toma R.C.; Cambridge Scholars Pub., UK, ISBN: 1-0364-0416-1, p.134-152. |
|    | Cb3. Matei F., Zirra D. <i>Introduction to Biotech Entrepreneurship: From Idea to Business</i> . Ed. Springer. 261 pagini, 2019.                                                                                                                                                      |
|    | Cb4. Cornea P.C., Voaides C., Sicuia O.A., Matei F., Babeanu N. <i>Creating Products and Services in Environmental Biotechnology</i> . Cap. in <i>Introduction to Biotech Entrepreneurship: From Idea to Business</i> . Ed. Springer., 34 pagini, 2019                                |
|    | Cb5. Popa M.E., Mitelut A.C., Popa E.E., Matei F. <i>Creating Products and Services in Food Biotechnology</i> . Cap. in <i>Introduction to Biotech Entrepreneurship: From Idea to Business</i> . Ed. Springer., 37 pagini, 2019                                                       |
|    | Cb6. Matei F., Anghel F., Varga M., Draghici M., Coculescu C., Vicente O. <i>European Biotech Entrepreneur Profile: Case Studies</i> . Cap. in <i>Introduction to Biotech Entrepreneurship: From Idea to Business</i> . Ed. Springer., 7 pagini, 2019                                 |
|    | Cb7. Matei F., Kosseva M. <i>Microbiology of fruit wine production</i> . Cap.2 in Science and Technology of Fruit Wine Production. Ed. Elsevier, 30 pagini, 2017                                                                                                                      |
|    | Cb8. Matei F. <i>Technical guide for the fruit wine production</i> . Cap.14 in Science and Technology of Fruit Wine Production. Ed. Elsevier, 40 pagini, 2017                                                                                                                         |
|    | Cb9. Cristea, S., Jurcoane, S., Matei, F., Dobre, P., Capuano, A., Yambanis, Y. H. <i>Camelina Pathology-Seed Mycoflora Extension</i> . Cap. 12 in Ecology, Ecosystems and Stress: Impacts, Adaptation and Mitigation, Atiner Publisher, 8 pagini, 2016                               |
|    | Cb10. Matei F. <i>Enzyme pectinolitice</i> (Cap.16) in <i>Tratat de Biotehnologii</i> -Ed. Tehnica, 16 pagini, 2009                                                                                                                                                                   |

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|  | <div>Formular</div> <div>Lista de lucrări</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <div>COD: PO-CSUD-01 – F3</div> |
| Ri                                                                               | <p>Cb11. Pomohaci N., Cioltean I., Vișan L., Rădoi F. <i>Tuica și rachiurile natural</i>. Ed. Ceres, 156 pagini, 2002</p> <p>Ris1 Camara F., Coulibaly W.H., Mian T.M.A.S., Ahoussi K.J.B., Coulibaly, S., Varadarajan V., Matei, F. (2025). Household Production of Cookies from Sorghum (<i>Sorghum bicolor</i>) with a Low Glycaemic Index in Prevention and Management of Type 2 Diabetes in Côte d'Ivoire. <i>Current Nutrition &amp; Food Science</i>, 21(3), 341-349. DOI :10.2174/0115734013307493240627033411.</p> <p>Ris2 Dinu L.D., Gatea F., <b>Matei F.</b>, Banciu C., Vamanu E. (2024). Gut Microbiota Modulation by Selenium and Zinc Enrichment Postbiotic on Dysbiosis Associated with Hypertension. <i>Current Vascular Pharmacology</i>, 22, 365-374. (IF = 4.5). doi: 10.2174/0115701611290537240509061549</p> <p>Ris3 Kouadio N.J., Zady A.L.O., Kra K.A.S., Diguță F.C., Niamke S., Matei F. (2024). In Vitro Probiotic Characterization of <i>Lactiplantibacillus plantarum</i> Strains Isolated from Traditional Fermented Dockounou Paste. <i>Fermentation</i>. 10(5):264. <a href="https://doi.org/10.3390/fermentation10050264">https://doi.org/10.3390/fermentation10050264</a> (IF=3.3)</p> <p>Ris4 Al-Zaidi Q.J., Matache A.G., Dinu L.-D., Calzoni E., <b>Matei F.</b> (2024). Development of the lactic acid permeabilizer v-qPCR technique for <i>Salmonella spp.</i> detection and quantification. <i>AgroLife Scientific Journal</i>, 13(1), 9–14. (IF = 0,6), <a href="https://doi.org/10.17930/AGL202411">https://doi.org/10.17930/AGL202411</a>.</p> <p>Ris5 Dinu, L.-D.; Al-Zaidi, Q.J.; Matache, A.G.; <b>Matei, F.</b> (2024). Improving the Efficiency of Viability-qPCR with Lactic Acid Enhancer for the Selective Detection of Live Pathogens in Foods. <i>Foods</i>, 13, 1021. (IF = 4.7), <a href="https://doi.org/10.3390/foods13071021">https://doi.org/10.3390/foods13071021</a>.</p> <p>Ris6 Misu G.A., Canja C.M., Lupu M., <b>Matei F.</b> (2024). Advances and Drawbacks of Sous-Vide Technique—A Critical Review. <i>Foods</i>, 13(14):2217. <a href="https://doi.org/10.3390/foods13142217">https://doi.org/10.3390/foods13142217</a> (IF=4.7)</p> <p>Ris7 Munteanu-Ichim R.-A., Canja C.-M., Lupu M., Bădărău C.-L., <b>Matei, F.</b> (2024). Tradition and Innovation in Yoghurt from a Functional Perspective—A Review. <i>Fermentation</i> 10, 357. <a href="https://doi.org/10.3390/fermentation10070357">https://doi.org/10.3390/fermentation10070357</a> (IF= 3.3)</p> <p>Ris8 Misu G.A., Munteanu-Ichim R.A., Canja C.M., Lupu M., Matei F., (2024). Natural inhibitors in sous vide cooking - a critical review. <i>Scientific Papers. Series D. Animal Science</i>, LXVII (2), 472-481, (IF =0.3), ISSN 2285-5750. <a href="https://animalsciencejournal.usamv.ro/index.php/scientific-papers/current?id=1511">https://animalsciencejournal.usamv.ro/index.php/scientific-papers/current?id=1511</a></p> <p>Ris9 Munteanu-Ichim R.A., Misu G.A., Canja C.M., Lupu M., Badarau C.L., Padureanu V., Matei F., (2024). Non-dairy yoghurt enriched with functional plant-based ingredients - a review. <i>Scientific Papers. Series D. Animal Science</i>, LXVII (2), 482-493 (IF =0.3), ISSN 2285-5750. <a href="https://animalsciencejournal.usamv.ro/index.php/scientific-papers/current?id=1512">https://animalsciencejournal.usamv.ro/index.php/scientific-papers/current?id=1512</a></p> <p>Ris10 Mihai C., Dumitrache C., Teodorescu I.R., Pomohaci M.C., Hassan A.A.M., Nicolae G.C., Diguță F.C., <b>Matei F.</b> (2023), Evaluation of the probiotic supplement <i>Saccharomyces cerevisiae</i> bbo6 as a beneficial growth promoter for carp (<i>Cyprinus carpio</i>) in recirculating aquaculture. <i>Scientific Papers. Series D. Animal Science</i>, LXVI (2), 633-644 <a href="https://animalsciencejournal.usamv.ro/pdf/2023/issue_2/Art79.pdf">https://animalsciencejournal.usamv.ro/pdf/2023/issue_2/Art79.pdf</a> (IF =0.3)</p> <p>Ris11 Ouili A.S., Diguță C.F., Maiga Y., Compaore C.O.T., Ouattara A.S., Israel-Roming F., <b>Matei F.</b> (2023). Antifungal activity of <i>Pediococcus pentosaceus</i> isolated from Bambara groundnut (<i>Vigna subterranea</i> (L.) verdc.) seeds against <i>Aspergillus flavus</i>. <i>AgroLife Scientific Journal</i>, 12(2), 125–133. <a href="https://doi.org/10.17930/AGL2023217">https://doi.org/10.17930/AGL2023217</a></p> <p>Ris12 Bărbulescu I.D., Teodorescu R.I., Dumitrache C., Begea M., Diguță C.F., Frîncu M., Baniță D.C., Mărculescu S.I., Cîrîc A.I., Tudor V., Vrînceanu C.R., Rădoi-Encea R.S, <b>Matei F.</b>, Tóth T., Báczár G., Matei P.M. (2023). Obtaining active dry yeasts biomass for the production of Pietroasa wines. <i>AgroLife Scientific Journal</i>, 12(2), 18–24. <a href="https://doi.org/10.17930/AGL202323">https://doi.org/10.17930/AGL202323</a> (IF = 0,5).</p> <p>Ris13 Constantin E.A., Constantinescu-Aruxandei D., <b>Matei F.</b>, Shaposhnikov S., Oancea F. 2023, Biochemical and microbiological characterization of traditional Romanian fermented drinks - socata and borș - a review. <i>AgroLife Scientific Journal</i>, 12 (1), 53-61, ISSN 2285-5718, (IF = 0,5). <a href="https://doi.org/10.17930/AGL202317">https://doi.org/10.17930/AGL202317</a></p> <p>Ris14 Frîncu M., Dumitrache C., Petre A.C., Mot A., Teodorescu R.I., Barbulescu D.I., Tudor V., <b>Matei F.</b> 2023, Physico-chemical characterization of some sources of grape marc from Pietroasa vineyard. <i>AgroLife Scientific Journal</i>, 12 (1), 81-86, ISSN 2285-5718, (IF = 0,5). <a href="https://doi.org/10.17930/AGL202310">https://doi.org/10.17930/AGL202310</a></p> <p>Ris15 Ion M., <b>Matei F.</b>, Barbu S.P., Brinduse E. (2023). Effect of mixed culture with <i>Torulaspora delbrueckii</i> and <i>Saccharomyces cerevisiae</i> on physico-chemical and sensory characteristics of young wines. <i>Sci.Papers. Series B, Horticulture</i>, LXVII (1), 292-297 (IF = 0,4).</p> <p>Ris16 Ion M., <b>Matei F.</b>, Barbu S.P., Tudor G., Brinduse E. (2023). Monitoring grapes' infection with <i>Botrytis cinerea</i> based on laccase activity. <i>Sci. Papers. Series A, Agronomy</i>, LXVI (1), 742-747. (IF = 0,4).</p> <p>Ris17 Boiu-Sicuia, O.-A.; Toma, R.C.; Diguță, C.F.; <b>Matei, F.</b>; Cornea, C.P. (2023). <i>In Vitro</i> Evaluation of Some Endophytic <i>Bacillus</i> to Potentially Inhibit Grape and Grapevine Fungal Pathogens. <i>Plants</i>, 12, 2553. <a href="https://doi.org/10.3390/plants12132553">https://doi.org/10.3390/plants12132553</a> (IF= 4,5).</p> <p>Ris18 Padureanu, C.; Badarau, C.L.; Maier, A.; Padureanu, V.; Lupu, M.I.; Canja, C.M.; Branesco, G.R.; Bujor, O.-C.; <b>Matei, F.</b>; Poiana, M.A.; et al. (2023). Ultrasound Treatment Influence on Antioxidant Properties of Blueberry Vinegar. <i>Fermentation</i>, 9, 600. <a href="https://doi.org/10.3390/fermentation9070600">https://doi.org/10.3390/fermentation9070600</a> (IF = 3,7).</p> <p>Ris19 Coulibaly W.H., Kouadio N.R., Camara F., Diguță C., <b>Matei F.</b> (2023). Functional properties of lactic acid bacteria isolated from Tilapia (<i>Oreochromis niloticus</i>) in Ivory Coast. <i>BMC Microbiol</i> 23, 152. <a href="https://doi.org/10.1186/s12866-023-02899-6">https://doi.org/10.1186/s12866-023-02899-6</a>. (IF = 4,2).</p> <p>Ris20 Rădoi-Encea R-Ș, Pădureanu V., Diguță C.F., Ion M., Brîndușe E., <b>Matei F.</b> (2023). Achievements of Autochthonous Wine Yeast Isolation and Selection in Romania—A Review. <i>Fermentation</i>. 9(5): 407. <a href="https://doi.org/10.3390/fermentation9050407">https://doi.org/10.3390/fermentation9050407</a> (IF = 3,7).</p> |                                 |

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|  | <p>Ris21 Mogmenga I., Somda M.K., Ouattara C.A.T., Keita I., Dabiré Y., Diguță C.F., Toma R.C., Ezeogu L.I., Ugwuanyi J.O., Ouattara A.S., <b>Matei F.</b> (2023). Promising Probiotic Properties of the Yeasts Isolated from <i>Rabilé</i>, a Traditionally Fermented Beer Produced in Burkina Faso. <i>Microorganisms</i>, 11(3):802. <a href="https://doi.org/10.3390/microorganisms11030802">https://doi.org/10.3390/microorganisms11030802</a> (IF = 4,5).</p> <p>Ris22 Diguță C.F.; Mihai C.; Toma R.C.; Cîmpeanu C.; <b>Matei F.</b> (2023). <i>In Vitro</i> Assessment of Yeasts Strains with Probiotic Attributes for Aquaculture Use. <i>Foods</i>, 12, 124. <a href="https://doi.org/10.3390/foods12010124">https://doi.org/10.3390/foods12010124</a> (IF = 5,2).</p> <p>Ris23 Toma R.C.; Boiu-Sicuia O.A.; Diguță C.F.; Ciuca M., <b>Matei F.</b>, Cornea C.P. (2023). Selected plant protection <i>Bacillus</i> strains increase food safeness by inhibiting human pathogenic bacteria. <i>Romanian Agricultural Research</i>, 43, p.1-9 (IF = 0,7)</p> <p>Ris24 Popescu P.A., Palade L.M., Nicolae I.C., Popa E.E., Miteluț A.C., Drăghici M.C., <b>Matei F.</b>, Popa M.E. (2022). Chitosan-Based Edible Coatings Containing Essential Oils to Preserve the Shelf Life and Postharvest Quality Parameters of Organic Strawberries and Apples during Cold Storage. <i>Foods</i>, 11(21):3317. <a href="https://doi.org/10.3390/foods11213317">https://doi.org/10.3390/foods11213317</a> (IF=5,561).</p> <p>Ris25 Vranceanu C.R., Barbulescu I.D., <b>Matei F.</b>, Begea M., Tudor V., Frincu M., Teodorescu R.I., (2022), Review: Actual approaches for the craft beer fermentations. <i>Sci.Papers. Series B, Horticulture</i>, LXVI (1), 944-949, Print ISSN 2285-5653. WOS:000888877000135 (IF=0,4).</p> <p>Ris26 Frincu M., Dumitrache C., Teodorescu R.I., Barbulescu D., Ion V., Vranceanu C.R., <b>Matei F.</b> (2022). Fermentative process for the production of grape marc enriched yeast - micropilot level. <i>Sci.Papers. Series B, Horticulture</i>, LXVI (1), 284-290, (IF=0,4).</p> <p>Ris27 Pristavu M.C., Diguță C.F., Coulibaly W.H., Youte Fanche S., Dopcea G., <b>Matei F.</b> (2022). A Review of postbiotics as new health promoters, <i>AgroLife Sci.Journal</i> 11 (2), 142-152 (IF=0,5).</p> <p>Ris28 Nitu S., Geicu-Cristea M., Ranga I., Balan D., <b>Matei F.</b> (2022). Obtaining an assortment of fresh cheese by coagulation with lettuce (<i>Lactuca sativa</i>) extract. <i>Sci.Papers. Series D. Animal Science</i>, LXV (1), 525-535 (IF=0,3).</p> <p>Ris29 Bărbulescu I.D., Ghica M.V., Begea M., Albu Kaya M.G., Teodorescu R.I., Popa L., Marculescu S.I., Cîrîc A.I., Dumitrache C., Lupulisa D., <b>Matei F.</b>, Dinu-Pîrvu C.E. (2021). Optimization of the Fermentation Conditions for Brewing Yeast Biomass Production Using the Response Surface Methodology and Taguchi Technique. <i>Agriculture-Basel</i>, 11, 1237; <a href="https://doi.org/10.3390/agriculture11121237">https://doi.org/10.3390/agriculture11121237</a> (IF = 3,408). WOS:000735839400001.</p> <p>Ris30 Angelini P., <b>Matei F.</b>, Flores G.A., Pellegrino R.M., Vuguziga L., Venanzoni R., Tirillini B., Emiliani C., Orlando G., Menghini L., Ferrante C. (2021). Metabolomic Profiling, Antioxidant and Antimicrobial Activity of <i>Bidens pilosa</i>. <i>Processes (MDPI)</i> 9(6), 903; <a href="https://doi.org/10.3390/pr9060903">https://doi.org/10.3390/pr9060903</a> (IF =3,352). WOS:000666287100001</p> <p>Ris31 Diguță C.F., Nitoi D.G., <b>Matei F.</b>, Luta G., Cornea C.P. (2020). The biotechnological potential of <i>Pediococcus</i> spp. isolated from Kombucha microbial consortium. <i>Foods (MDPI)</i>, 9(12), 1780; <a href="https://doi.org/10.3390/foods9121780">https://doi.org/10.3390/foods9121780</a> (IF =4,350).</p> <p>Ris32 Marin S., Barbulescu I.D., Dragatoiu D., Teodorescu R.F., Tudor V., Matei P.M., Curec C., Marinescu S.I., <b>Matei F.</b>, Teodorescu R.I. (2020). Nutritive importance of by-products from winemaking process for feed industry interest. <i>Rom. Biotech. Letters</i>, 25 (4), p. 1759-1767 (IF = 0,765). doi: 10.25083/rbl/25.4/1759.1767. WOS:000557385000012</p> <p>Ris33 Proca I., Diguță C.F., Cornea C.P., <b>Matei F.</b>, Jurcoane S. (2020). Halotolerant <i>Bacillus amyloliquefaciens</i> 24.5 useful as a biological agent to control phytopathogenic fungi. <i>Rom. Biotech. Letters</i>, 25 (4), p. 1744-1753, (IF = 0,765). doi: 10.25083/rbl/25.4/1744.1753. 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|  | <div>Formular</div> <div>Lista de lucrări</div>                                                                                                                                                                                                                                                                                | COD: PO-CSUD-01 – F3 |
| Ris41                                                                            | Cristea S., Manole M.S., Zala C., Jurcoane St., Danaila-Guidea S., <b>Matei F.</b> , Dumitriu B., Temocico G., Popa A.L., Calinescu M., Olariu L. <i>In vitro antifungal activity of some steroidal glycoalkaloids on Monilinia spp.</i> Rom. Biotech. Letters, 22 (5), p.12972 – 12978, (2017).                               |                      |
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|                                                                                  | Lista de lucrări                                                                                                                                                                                                                                                                                                      |                      |
| Rns                                                                              | <b>Rio9</b> Panter Z., Rosu G., <b>Matei F.</b> <i>The effect of the time of contact on the microbiological treatment of leachate.</i> Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. VII, p.94-99 (2018).                                             |                      |
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| Vis                                                                              | <p><b>Rns17</b> Antocea Arina Oana, I. Nămolosanu, <b>Florentina Rădoi-Matei</b>, Elena Brândușe: <i>Evaluation of the growth rate of some yeast strains selected in Dealu Mare region for wine production</i>. Lucrări științifice U.Ș.A.M.V.B., Seria B, vol. LIII, p. 523 – 530 (2010).</p> <p><b>Rns18</b> Antocea Arina Oana, I. Nămolosanu, <b>Florentina Rădoi-Matei</b>, Elena Brândușe: <i>The influence of the yeast strain selection on the colour parameters of the Pinot noir and Cabernet Sauvignon wines</i>. Lucrări științifice U.Ș.A.M.V.B., Seria B, vol. LIII, p. 515 – 522 (2010).</p> <p><b>Rns19</b> Antocea Arina Oana, I. Nămolosanu, <b>Florentina Rădoi-Matei</b>, Elena Brândușe: <i>Calorimetric determination of the quantitative inhibitory parameters of ethanol for some yeast strains selected in Valea Calugareasca and Panciu regions for wine production</i>. 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Stelian, Camelia Diguta, Anca Vintiloiu: <i>Hydrolysis of agricultural Biomass by Combined Pretreatment and Enzymatic Methods in Order to Produce Biofuels (Ethanol, Biogas)</i>, Lucrări științifice Zootehnie și Biotehnologii, vol. 42 (1), p.54 -58 (2009).</p> <p><b>Rns23</b> <b>Radoi-Matei Florentina</b>, Florentina Israel-Roming, Anca Radu, Camelia Diguta, Cristina Coculescu, R. Despa: <i>Studies on the growth and mycotoxin production of moulds isolated from Romanian food products</i>. Sci. Bull. Biotechnology, U.Ș.A.M.V.Bucharest, Serie F, Vol. XIII, p. 33-39 (2008).</p> <p><b>Rns24</b> Indreas Adriana, <b>Florentina Radoi Matei</b>, Irina Heroiu: <i>Agro-biological and phenolic potential for area extension of Romanian grapevine varieties for high-quality red wines</i>. Horticulture Sci. Bull. Serie B., p.487 – 491 (2008).</p> <p><b>Rns25</b> <b>Radoi-Matei F.</b>, M. Burcea, E. Brinduse, A.Kontek: <i>Improvement of Romania wines characteristics by using autochthonous yeast starter cultures</i>. Journal of EcoAgriTourism, Proceeding of the International Conference BIOATLAS 2008, Transilvania Univ. Brasov, Romania, p.235-239 (2008).</p> <p><b>Rns26</b> <b>Matei Radoi Florentina</b>, Mihaela Avram, Adriana Stanciu, Daniela Correia: <i>Microbial charge of stocked cereals correlated to their aflatoxins content</i>. Biotechnology Sci. Bull.-serie F, vol. XII, p.41 – 46 (2007).</p> <p><b>Rns27</b> Diguta Camelia, Stefana Jurcoane, Claudine Charpentier, <b>Florentina Radoi Matei</b>, Nicoleta Ciocarlie - <i>Influence of some nutritional factors on the development of Penicillium sp. and Botrytis sp. responsible for the "musty-earthly" odor in wine</i>. Rom. Biotech. Lett. 11(3), p.2703 – 2711 (2006).</p> <p><b>Rns28</b> Pohrib C., <b>Florentina Matei-Radoi</b>, Stefana Jurcoane, Camille Loupiac, J.M. Perrier-Cornet – <i>The effects of high pressure and low temperature on betalactoglobulin structure revealed by spectrophotometry online</i>. Roum. Biotech. Lett. 11(2), p.2675-2680 (2006).</p> <p><b>Rns29</b> Geicu Mihaela, <b>Florentina Matei-Radoi</b>, Stefana Jurcoane, P.A.Marechal – <i>Influence of the temperature variation on the Saccharomyces cerevisiae cells viability</i>. Roum. Biotech. Lett. 11(2), p.2653-2659 (2006).</p> <p><b>Rns30</b> Judet Daniela, <b>Florentina Matei-Radoi</b>, M.Bensoussan, Stefana Jurcoane – <i>Studies on Aspergillus flavus growth and toxicity</i>. Roum Biotech. Lett. 11 (1), p. 2593-2597 (2006).</p> <p><b>Rns31</b> <b>Matei-Radoi Florentina</b>, Daniela Judet, M.Bensoussan, P. Dantigny - <i>Physiological study on the Aspergillus flavus conidiation and toxinogenesis under different environmental conditions</i>. Lucrări științifice, U.Ș.A.M.V.B., Seria F, Vol. XI, 2006, p. 26 – 30 (2006).</p> <p><b>Rns32</b> Burcea Mirela, Calina Petruta Cornea, <b>Florentina Radoi Matei</b>: <i>Killer profile of wine yeast strains isolated from consecrated viticultural region</i>. Lucrari Stiintifice Biotehnologii, seria F, vol. X, p.86-92 (2005).</p> <p><b>Rns33</b> Alecu Eugenia, <b>Florentina Matei-Radoi</b>, Stefana Jurcoane: <i>Interactions study of refining bacteria for soft paste cheese and washed crust (Epoisses): Brevibacterium linens and Arthrobacter</i>. Lucrări Științifice, Biotehnologii, seria F, vol X, p.37-41 (2005).</p> <p><b>Rns34</b> Burcea Mirela, <b>Radoi Florentina</b>: <i>Cariotype analysis of some yeast strains isolated from Panciu wine region</i>. Rom. Biotech. Lett. 10 (2), p.2171 – 2177 (2005).</p> <p><b>Rns35</b> <b>Radoi Florentina</b>, M. Kishida, H. Kawasaki: <i>Construction of polygalacturonase positive mutants from wine yeast</i>. Rom. Biotech. Lett., vol.8, no.4, 1339 – 1344 (2003).</p> <p><b>Rns36</b> <b>Radoi Florentina</b>, M. Kishida, N. Pomohaci, Gh. Campeanu, H. Kawasaki: <i>Quantitatively calorimetric characterization of polygalacturonase-producing mutants isolated from Saccharomyces cerevisiae wine strains</i>. Rom. Biotech. Lett., vol. 7, no.3, 759 – 766 (2002).</p> <p><b>Vis1</b> Nicolcioiu M.B., Popa G., <b>Matei F.</b> <i>Biochemical investigations of different mushroom species for their biotechnological potential</i>. Conference proceedings Agriculture for Life, Life for Agriculture, Sciendo, 1 (1), p. 562-567. (2018).</p> <p><b>Vis2</b> <b>Matei F.</b>, Sauca F., Farcas N., Dobre P., Matei B., Cornea C.P., Ciuca M., Cristea S., Jurcoane St. <i>Breeding new variety of Camelina sativa adapted to temperate continental climate</i>. Proceedings of 25<sup>th</sup> European Biomass Conference, June 12-15<sup>th</sup>, Stockholm, Sweden, p.249 – 252 (2017).</p> |                      |

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|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------|
|  | <p style="text-align: center;"><b>Formular</b></p> <p style="text-align: center;"><i>Lista de lucrări</i></p> | <p>COD: PO-CSUD-01 – F3</p> |
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|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><b>Vis3</b> Leonardi L., <b>Matei F.</b>, Mechelli L., Piro F., <i>Comparative evaluation of MicroRNAs Expression in spontaneous canine and human osteosarcoma</i>. Proceedings of Int. Symp. "60<sup>th</sup> anniversary of the Institute of Animal Biotechnology and Veterinary Medicine", p.180-186 (2016).</p> <p><b>Vis4</b> Cristea, S., Jurcoane, S., <b>Matei, F.</b>, Dobre, P., Capuano, A. and Yambanis, Y. H. <i>Camelina Pathology-Seed Mycoflora Extension</i>, Athens: ATINER'S Conference Paper Series, No: AGR2015-1796 (2016).</p> <p><b>Vis5</b> <b>Matei F.</b>, Diguta C. <i>Microbiological quality control of Inula based veterinary products</i>. Proceedings of Int. Symp. "60<sup>th</sup> anniversary of the Institute of Animal Biotechnology and Veterinary Medicine", p.192-197 (2016)</p> <p><b>Vis6</b> <b>Matei F.</b>, Moraru A., Jurcoane S. <i>Cultivation of Camelina sativa, a second generation biofuel crop plant, on marginal soils</i>. Proceedings of 6<sup>th</sup> European Bioremediation Conference, p.224-228 (2015).</p> <p><b>Vis7</b> Diguță C.F., G. Câmpeanu, M. Guilloux-Benatier, H. Alexandre, <b>F. Rădoi-Matei</b>, S. Rousseau. <i>Development of a PCR-ITS RFLP method for the identification of Penicillium sp. and Aspergillus sp. isolated from grapes</i>. Proceedings Congress OIV (2013)</p> <p><b>Vis8</b> Varga Mioara, <b>Florentina Matei</b> <i>An application of statistical modeling to a problem of the predictive mycology</i>. Proceedings of the International Symposium "New Research in Biotechnology", Bucharest, Nov 2008. p.165-172 (2008)</p> <p><b>Vis9</b> Vatuui Ioana, Daniela Vatuui, Beatrice Gilea, Luminita Dejan, Catalina Voaides, Calina Petruta Cornea, <b>Florentina Matei</b>. <i>Improvement of biomass production and DNA extraction from filamentous fungi</i>. Proceedings of the International Symposium "New Research in Biotechnology", Bucharest, Nov 2008. p.267-272 (2008)</p> <p><b>Vis10</b> Despa Radu, Ovidiu Folcut, <b>Radoi Matei Florentina</b>, Coculescu Cristina <i>Linear Regression Models Applied in Predictive Microbiology</i>. Proceeding of the 31st ARA Congress, TRANSILVANIA University Brasov (2007)</p> <p><b>Vis 11</b> Guilmar Audrey, <b>Florentina Radoi</b>, M. Bensoussan, P. Dantigny <i>Influence of ethanol vapour on the growth of the food spoilage mould Pencillium chrysogenum</i>. 4<sup>th</sup> Predictive modelling in foods - Conference proceedings, Katholieke Universiteit Leuven/ BioTeC, Belgium, 135 – 137, (2003)</p> <p><b>Vis 12</b> Despa Radu, Ovidiu Folcut, <b>Radoi Matei Florentina</b>, Coculescu Cristina <i>Aspects regarding experimental datas adjustments through logistic curves</i>. "European Integration- New Challanges for the Romanian Economy- The 3rd Edition of the International Scientific Conference". Analele Univ. Oradea, Vol.I, p. 163 - 167(2007)</p> |
| A | <p><b>A12021:</b> Lucian Ionita, Alice Grigore, Georgeta Neagu, Nicoleta Dobre, Carmen Ionita, Dana Bobit, Calin Ianta, Florentina Matei, Camelia Diguta: 132537/29.11.2021. Procedeu de obtinere al unui produs fitoterapeutic cu actiune imunomodulatoare destinat terapiei parodontozei la animale de companie.</p> <p><b>A22020:</b> Ianta C., Bobit D., Ioniță L., Ioniță C., Grigore A., Pirvu L., Mihul Colceru S., Bubueanu C., Dobre N., Panteli M., Vulturescu V., <b>Matei F.</b>, Tănase A.O., Diguta C.F.: 132189/31.12.2020. Produs fitoterapeutic de uz veterinar cu acțiune imunomodulatoare si procedeu de obținere</p> <p><b>A32019:</b> Carmen Cornelia Gaidau, Mihaele Doina Niculescu, Clara Hortensia Rădulescu, Ștefana Jurcoane, Florentina Matei, Călina Petruța Cornea, Florentina Israel-Roming, Evelina Gherghina, Daniela Bălan, Gabriela Luta, Vasilica Simion, Laura Dorina Dinu; 130277/30.08.2019 (A00835/13.11.2013) : Procedeu de evaluare a biodegradabilitatii blanurilor naturale.</p> <p><b>A42018:</b> Sauca F., Jurcoane S., Dobre P., <b>Matei F.</b>, Podgoreanu E., Moraru A., Cristea S. Cornea CP.: Brevet ISTIS 504/2018, soi nou <i>Camelina sativa</i> – Mădălina.</p> <p><b>A52017:</b> Sauca F., Jurcoane S., Dobre P., <b>Matei F.</b>, Podgoreanu E., Moraru A., Cristea S. Cornea CP.: Certificare Omologare ISTIS 3910/5.05.2017, soi nou <i>Camelina sativa</i> – Mădălina.</p> <p><b>A6</b> Ianta Calin, Bobit Dana, Ionita Lucian, Ionita Carmen, Grigore Alice, Pirvu Lucia, Colceru Svetlana, Bubueanu Corina, Dobre Nicoleta, Panteli Minerva, Vulturescu Virginia, <b>Matei Florentina</b>, Tanase Andrei, Diguta Camelia: Cerere A/00285/ 21.04.2016 "HELSTIM".</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

4<sup>e</sup> Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional / cultural / economic / social etc. (dacă este cazul)

|    |                                                                                                                                                                       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pi | Pi1 FP7 308807/2012 ITAKA- Initiative Towards A sustainable Kerosene for Aviation – <i>manager proiect</i>                                                            |
|    | Pi2 ECONET 21371ZH/2008: "Diversité et capacité technologique des flores de vinification d'Europe Centrale"                                                           |
|    | Pi3 AUF/Scientific mobilities/2003 "Food safety - modeling the development of food spoilage moulds having toxinogenic potential"                                      |
|    | Pi4 H2020 TWINN 691681/2016 ENHANCE - Building an Excellency Network for Heightening Agricultural ecoNomic researChand Education in Romania – <i>membru in echipa</i> |
|    | Pi5 ERA-IB 15-129/2016 Convert-Si -Conversion of phytogenic silica reach food industry by-products into value-added products– <i>membru in echipa</i>                 |
| Pn | Pn1 EUREKA 258/18.08.2021, PN-III-P3-3.5-EUK-2019-0213 „Exploatarea biodiversitatii locale de drojdii la producerea vinului”, 495.000 lei, 2021-2024                  |
|    | Pn2 Contract cercetare Norofert 998/2021 Toleranța unor microorganisme agro-inoculante la condiționarea sub formă de inoculanți efervescenti (10.000 euro)            |

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|                                                                                  | Lista de lucrări |                      |

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| Pn3   | 7PFE/30.12.2021 -2024, "Economie circulară în fermele USAMV – utilizare integrală a subproduselor rezultate din prelucrările fermentative" (5866000 RON).                                                                                                                                |
| Pn4   | 20 SOL/2020 (PN III-P2-2.1-SOL) : Strategia participării naționale în noul context european de coordonare a cercetării în domeniile industriei de securitate și spațiu                                                                                                                   |
| Pn5   | PN III PTE 22/2020 -2022 : "Transfer tehnologic pentru obtinerea de terapii naturale inovative destinate sectorului veterinar" (Herbavet)                                                                                                                                                |
| Pn6   | 20 PFE 17/10/2018 Proiect dezvoltare institutionala PFE (Proiect finantarea excelentei in CDI): „Dezvoltarea Centrului pentru valorificarea superioara a subproduselor rezultate din fermele viti-vinicole.                                                                              |
| Pn7   | PN-III-CERC-CO-BG: 26BG/2016 – 2018: Optimizarea tehnologiei moderne de procesare a drojdiei uzate de bere și de obținere a produselor derivate - BIODRYEAST                                                                                                                             |
| Pn8   | PN-III-CERC-CO-BG: 6BG/2016-2018: "Dezvoltarea și optimizarea tehnologiei de fermentare inovativă a polenului de albine pentru realizarea de produse tri-biotice" (3-BIOTIC)                                                                                                             |
| Pn9   | PN II-PT-PCCA 132/2012 – 2015: Advanced research on the development of some phytoimmunomodulators for veterinary use linked up with industrial development for technologies and products (PHYTOIMMUNOVET)                                                                                |
| Pn10  | Inovare EUREKA 314E/2012 -2015: Evaluation system for the biodegradability and ecolabeling for natural fur as a market instrument (BIOFUR)                                                                                                                                               |
| Pn11  | PN II – CT 237/2013 -2015: Cofinatare FP7 „Initiative Towards A sustainable Kerosene for Aviation – <i>director proiect</i>                                                                                                                                                              |
| Pn12  | PN II PC 51065/2007 "Ecological and molecular study on the diversity of microorganisms from consecrated wine regions in the context of the European program of bio resources management" – <i>director proiect</i>                                                                       |
| Pn13  | PN II Capacities 204 CP I /2008: "Microbiological Resources Center for Agriculture and Environment" – <i>membru echipa</i>                                                                                                                                                               |
| Pn14  | PN II 31-078/2007 - Natural product based on fungal elicitors used for plant immunization by vaccination against phytopathogens– <i>membru echipa</i>                                                                                                                                    |
| Pn15  | PN II PC 61034/2007 "Development of a technology for the production of an enzymatic complex used in lignocellulosic material hydrolysis for biogas production" – <i>membru echipa</i>                                                                                                    |
| Pn16  | PN II PC 31017/ 2007 "Investigation, monitoring chemical and (micro) biological decontamination of some environmental major pollutants such as dinitrophenol derivatives" – <i>membru echipa</i>                                                                                         |
| Pn17  | PN II PC 51040/2007 "Gestionarea riscurilor contaminarii graului cu fusariotoxine in timpul vegetatiei" – <i>membru echipa</i>                                                                                                                                                           |
| Pn18  | P-CD 87/1.08.2006 "Development of a preventing system for toxigenic moulds contamination of food products by the predictive microbiology and the molecular biology technique" – <i>director proiect</i>                                                                                  |
| Pn19  | CEEX ET14/ 2006 "Predictive and molecular approach of the development of filamentous spoiling fungi having toxigenic potential for agricultural and food products in the context of consumer safety– <i>director proiect</i>                                                             |
| Pn20  | AGRAL 5459/10.2004 "Implementation of the HACCP management system of the food safety - study on meat industry" – <i>membru echipa</i>                                                                                                                                                    |
| Pn21  | AGRAL 5488/10.2004 " The food industry packing sterilization by electric shocks on the atmospheric pressure– <i>membru echipa</i>                                                                                                                                                        |
| Pn 22 | 3-381/10.2003 " Construction of a microbial genetic resources (microorganisms), the assurance of the quality and of the genetic information conservation during the biotechnological and scientific use; data structuring and informational European integration" – <i>membru echipa</i> |

**Notă**

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

I - indicativul ( T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/grad profesional (Ca1, I1 etc., după caz);

II - autorii în ordinea din publicație, cu scriere "bold" a **candidatului**;

III - *titlul*, scris "italic";

IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;

V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;

VI - anul sau perioada de realizare, după caz.

(2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc.; ...), lucrările sunt în ordine invers cronologică.

Data: 27.01.2025

Candidat,

## SIMBOLIZAREA LUCRĂRILOR ELABORATE

În legătură cu *domeniul de studii universitare de doctorat*, asociat și/sau, *justificat*, și domenii înrudite cu acestea.

### I. TEZA (E) DE DOCTORAT (T)

### II. CĂRȚI PUBLICATE (C)

**Ca** – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

**Cb** - Cărți de specialitate publicate în edituri recunoscute (autor, co-autor, editor).

**Cc** - Cărți publicate în alte edituri, cu ISBN.

### III. ALTE MATERIALE PUBLICATE (I, D)

**I** - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografii locale/de instituții sau de uz intern);

**D** - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

### IV. ARTICOLE / STUDII ÎN EXTENSO PUBLICATE (R, V)

**Ris** - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță).

**Rio** – Alte reviste de specialitate de circulație internațională.

**Rns** - Reviste de specialitate de circulație națională recunoscute de CNCSIS.

**Rno** - Alte reviste de specialitate de circulație națională.

**Vis**- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță.

**Vi** - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate.

**Vn** - Volumele unor manifestări științifice naționale.

### V. BREVETE DE INVENȚIE / INOVAȚII (B, A)

**B** - Brevete de invenție.

**A** - Inovații și alte creații.

### VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P, F)

**P** – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** – internaționale).

**F** – Alte lucrări de cercetare – dezvoltare.

*Obs.-a se menționa calitatea de responsabil/director sau co-autor.*

### VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

**E** – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

### OBSERVAȚII

- În categoriile II, III și IV se includ numai lucrările deja publicate sau aflate în procesare în edituri, respectiv nu se includ lucrările în manuscris sau alte lucrări (comunicări, referate tematice, etc.). Articolele/studiile în curs de publicare, justificate cu documente, nu vor depăși 10% din total.
- Lucrările reeditate care nu includ contribuții noi ale candidatului și lucrarea de bază (inițială) se înregistrează sub același indicativ, precizându-se la fiecare numărul ediției.
- Articolele/studiile publicate în reviste sau volumele unor manifestări științifice, reluate de alte publicații, vor fi înregistrate o singură dată, la poziția inițială, cu menționarea reluărilor/reeditărilor.
- Recenziile/rezumatele unor lucrări, apărute în alte publicații, vor fi înregistrate la poziția lucrării inițiale, cu menționarea acestora (nu vor fi poziții separate).
- Fiecare lucrare este descrisă în limba în care a fost realizată (publicată, prezentată), titlul fiind scris italic
- Autorii vor fi prezentați, în totalitate, în ordinea din publicație, cu sublinierea **candidatului**.
- Se vor specifica editura, revista sau manifestarea și/sau alte elemente de localizare, cu menționarea intervalului de pagini din publicație, numărul total de pagini sau alte date similare (după caz), anul sau perioada de realizare.