

A –ARTICOLE ȘTIINȚIFICE

A1. Articole indexate WOS/Clarivate ISI cu factor de impact

1. Coulibaly W.H., Kouadio N.R., Camara F., Diguta C., Matei F. (2023). Functional properties of lactic acid bacteria isolated from Tilapia (*Oreochromis niloticus*) in Ivory Coast. *BMC Microbiol* 23, 152. <https://doi.org/10.1186/s12866-023-02899-6> (IF = 4,818).
2. Rădoi-Encea R-Ș, Pădureanu V., Diguță C.F., Ion M., Brîndușe E., Matei F. (2023). Achievements of Autochthonous Wine Yeast Isolation and Selection in Romania—A Review. *Fermentation*, 9(5):407. <https://doi.org/10.3390/fermentation9050407> (IF = 5,123)
3. Mogmenga I., Sonda M.K., Ouattara C.A.T., Keita I., Dabiré Y., Diguță C.F., Toma R.C., Ezeogu L.L., Ugwuanyi J.O., Ouattara A.S., Matei F (2023). Promising Probiotic Properties of the Yeasts Isolated from *Rabilé*, a Traditionally Fermented Beer Produced in Burkina Faso. *Microorganisms*, 11(3):802. <https://doi.org/10.3390/microorganisms11030802> (IF = 4,926).
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5. Toma R.C.; Boiu-Sicuia O.A.; Diguță C.F.; Ciuca M., Matei F., Cornea C.P. (2023). Selected plant protection *Bacillus* strains increase food safeness by inhibiting human pathogenic bacteria. *Romanian agricultural research*, 43, p.1-9 (IF = 0,633)
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7. Bărbulescu I.D., Ghica M.V., Begea M., Albu Kaya M.G., Teodorescu R.I., Popa L., Marculescu S.I., Cîric A.I., Dumitrache C., Lupulisa D., Matei F., Dimu-Pîrvu C.E. (2021). Optimization of the Fermentation Conditions for Brewing Yeast Biomass Production Using the Response Surface Methodology and Taguchi Technique. *Agriculture-Basel*, 11, 1237; <https://doi.org/10.3390/agriculture11121237> (IF = 3,408). WOS:000735839400001.
8. Angelini P., Matei F., 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 *Bidens pilosa*. *Processes (MDPI)* 9(6), 903; <https://doi.org/10.3390/pr9060903> (IF =3,352). WOS:000666287100001
9. Diguta C.F., Nitoi D.G., Matei F., Luta G., Cornea C.P. (2020). The biotechnological potential of *Pediococcus* spp. isolated from Kombucha microbial consortium. *Foods (MDPI)*, 9(12), 1780; <https://doi.org/10.3390/foods9121780> (IF =4,350).
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11. Proca I., Diguta C.F., Cornea C.P., Matei F., Jurcoane S. (2020). Halotolerant *Bacillus anyloliuefaciens* 24.5 useful as a biological agent to control phytopathogenic fungi. *Rom. Biotech. Letters*, 25 (4), p. 1744-1753, (IF = 0,765). doi: 10.25083/rbl/25.4/1744.1753. WOS:000557385000010
12. Youte F.S., Tchokonthé A.L.W., Diguta C.F., Kamdem S.L.S, Israel Roming F., Matei F., Ngang J.J.E (2020). Antifungal properties of lactic acid bacteria isolated from cocoa beans fermentation in the centre region of Cameroon. *Rom. Biotech. Letters*, 25 (2), p. 1407-1417, (IF = 0,765). doi: 10.25083/rbl/25.2/1407.1417. WOS:000559565000013.s
13. Dopcea G., Dopcea I., Nanu A., Diguta C.F., Matei F. (2020). Resistance and cross-resistance in *Staphylococcus* spp. strains following prolonged exposure to different antiseptics. *J. Global Antimicrobial Resistance*, 21, 399-404. IF = 4.035; 10.1016/j.jgar.2019.10.021. WOS:000555500900031
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17. Matei B., Salzat J., Diguta C.F., Cornea C.P., Luta G., Utoiu E.R., Matei F. (2018). Lactic acid bacteria isolated from Kombucha as potential probiotics. *Rom. Biotech. Letters*, 23 (3), p.13592-13598. doi: 10.26327/RBL2017.133
18. Diguta C.F., Proca I., Jurcoane S., Matei F. (2018). Molecular characterization by PCR-RFLP of indigenous fungal isolates from hypersaline stream water in România. *Folia Microbiologica*, p.407-414 (IF = 1.31); doi: 10.1007/s12223-018-0664-6.
19. Cristea S., Manole M.S., Zala C., Jurcoane S., Danaïla-Guidea S., Matei F., Dumitriu B., Temocico G., Popa A.L., Calinescu M., Olariu L. (2017). In vitro antifungal activity of some steroidal glycoalkaloids from *Momilina* spp. *Rom. Biotech. Letters*, 22 (5), p.12972 - 12978.
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21. Diguta C.F., Matei F., Cornea C.P. (2016). Biocontrol perspectives of *Aspergillus carbonarius*, *Botrytis cinerea* and *Penicillium expansum* on grapes using epiphytic bacteria isolated from Romanian vineyards. *Rom. Biotechnol. Lett.*, 21 (1), p.11126-11132.
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24. Dobre P., Farcas N., Matei F. (2014): Main factors affecting biogas production - an overview. *Romanian Biotechnol. Lett.*, Vol. 19, No.3, p.9283-9296.
25. Dobre P., Jurcoane S., Matei F., Cristea S., Farcas N., Moraru A.C. (2014). *Camelina sativa* as a double crop using the minimal tillage system. *Romanian Biotechnol. Lett.*, Vol. 19, No.2, p.9190-9195.
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A2. Aricole indexate WoS ISI-ESCI

1. Constantin E.A., Constantinescu-Aruxandrei D., **Matei F.**, Shaposhnikov S., Oancea F. (2023). Biochemical and microbiological characterization of traditional romanian fermented drinks - *socata* and *bors* - a review. *AgroLife Sci.Journal* 12 (1), sub tipar.
2. Ion M., **Matei F.**, Barbu S.P., Brinduse E. (2023). Effect of mixed culture with *Torulaspota delbrueckii* and *Saccharomyces cerevisiae* on physico-chemical and sensory characteristics of young wines. *Sci.Papers. Series B, Horticulture, LXVII (X)* sub tipar
3. Ion M., **Matei F.**, Barbu S.P., Tudor G., Brinduse E. (2023). Monitoring grapes' infection with *Botrytis cinerea* based on laccase activity. *Sci. Papers. Series A, Agronomy, LXVI (x)*, sub tipar,
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5. Frincu M., Dumitrache C., Teodorescu R.I., Barbulescu D., Ion V., Vrinceanu C.R., **Matei F.** (2022). Fermentative process for the production of grape marc enriched yeast - micropilot level. *Sci.Papers. Series B. Horticulture, LXVI (1)*, 284-290. Print ISSN 2285-5653.
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12. Toma R.C., Margarit G., Garais G., **Matei F.** (2020). E-learning platform for start-up simulation in life science and business field – a useful educational tool. *Sci. Papers Series „Management, Economic Engineering and Rural Development”*, 20 (2), p.494-497.
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A3. Articole indexate în alte baze de date internaționale

1. Al Zaidi Q., Badea F., Diguta C.F., Matei F. (2023). Comparison of classical versus qPCR methods in the detection of *Botrytis cinerea* in raspberries. Sci.Bulletin. Series F. Biotechnologies, XXVII (1), sub tipar.
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5. Badea F., Diguta C.F., Matei F. (2022). The use of lactic acid bacteria and their metabolites to improve the shelf life of perishable fruits and vegetables. Scientific Bulletin. Sci.Bulletin. Series F. Biotechnologies, XXVI (1), 117-125.
6. Grigore A., Pirvu L.C., Bejanaru I., Neagu G., Diguta C.F., Glava L., Ionita C., Matei F. (2022). Biochemical Profile and Antimicrobial Activity of an Herbal-Based Formula and Its Potential Application in Cosmetic Industry. *Applied Microbiology*. (1), 227-236; <https://doi.org/10.3390/applmicrobiol2010016>
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8. Albu (Proca) C.V., Ezzaaf E., Groposila-Constantinescu D., Diguta C., Popa G., Matei F., Cornea C.P. (2021). Some factors influencing *Trichoderma* laccase production in submerged culture. Sci. Bull.Series F. Biotechnologies, XXV (2), 93-98.
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11. Koffi Y. F., Traore M., Yapi Y.E., Ban Koffi L., Diguta C., Alloue-Boraud M.W.A., Matei F. (2021). Biocontrol of Post-harvest Fungal Diseases of Pineapple (*Ananas comosus* L.) Using Bacterial Biopesticides. *American Journal of Microbiological Research*, 9(2). 34-43. DOI:10.12691/ajmr-9-2-1

Matei

12. Ngalani Tchamgoue E., Youte Fanche S.A., Lenta Ndjakou B., **Matei F.**, Nyegue M.A. (2020). Diversity of endophytic fungi of *Psidium guajava* (*Myrtaceae*) and their antagonistic activity against two banana pathogens. *J. Advan. Microbiol.*, 20(11): 86-101, ISSN: 2456-7116
13. Vrajmasu V., Diguta C., **Matei F.** (2020). Development of a molecular method for quantifying *Hanseniospora* populations during the winemaking process. *Scientific Bulletin. Series F. Biotechnologies*, XXIV (2), p.124-132.
14. Pirvan A., Jurcoane S., **Matei F.** (2020). Life cycle assessment of amelina sativa crop in a circular economy approach - a minireview. *Scientific Bulletin. Series F. Biotechnologies*, XXIV (2), p.189-193.
15. Irimescu L., Diguta C.F., Encea R.S., **Matei F.** (2020). Preliminary study on the antimicrobial potential of *Phalaenopsis* orchids methanolic extracts. *Scientific Bulletin. Series F. Biotechnologies*, XXIV (2), p.149-153.
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20. Albu Proca C., Encea R.S., Diguta C.F., **Matei F.**, Comea C.P. (2019). Laccase: macro and microbial sources, production, purification and biotechnological applications. *Scientific Bulletin. Series F. Biotechnologies*, XXIII, 128-136.
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23. Nitoi D., **Matei F.**, Comea P.C. (2018). Probiotics as antifungal agents: an anti-*Candida* review. *Scientific Bulletin. Series F. Biotechnologies*, XXII, p.159-167.
24. Vrajmasu V., Diguta C.F., **Matei F.** (2018). Classic versus modern tools to study microbial population dynamics during food fermentation processes. *Scientific Bulletin. Series F. Biotechnologies*, XXII, p.89-98.
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E. PREMII

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