L I S T A
lucrărilor ştiinţifice total
Conf.dr. Pelinescu Diana

I. Capitole în cărţi

1. **Pelinescu D.,** Stoica I. 2023, *Mechanisms involved in edible mushrooms' health beneficial effects,* în Mushrooms with therapeutic potential – Recent advances in research and development, Editori **Agrawal DC and** Dhanasekaran M, Editura Springer, ISBN 978-981-19-9549-1 ISBN 978-981-19-9550-7 p. 441-459
2. Jurcoane S. (coordinator), Cornea P., Stoica I., Vassu T., Rodu A., Săsărman E., Lazăr V., Israel F., Vintilă T., Dragomirescu M., Tamba R., Burcea M., Dinu L., Luchian V., **Smarandache D.**, Balotescu C., Popa C., 2006, Tratat de Biotehnologie *Vol. II,* Ed. Tehnică, Bucharest, ISBN (10) 973-31-2279-3, (13) 978-073-31-2279-1.
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II. Editor

1. **Pelinescu D**., 2023**,** Plant-Derived Anti-inflammatory Agents: Molecular Pharmacology and Further Studies, Ed. MDPI, 176p ISBN 978-3-0365-9189-6 (Hbk) ISBN 978-3-0365-9188-9 (PDF)

III. Lucrări indexate ISI

Articole în reviste cotate ISI - autor principal (prim autor, autor corespondent, ultim autor)

1. Marcu Spinu, S., Dragoi Cudalbeanu, M., Cimpeanu, C. L., Major, N., Sieniawska, E., Wojtanowski, K. K., Avram I., **Pelinescu D**., Ortan A., Babeanu, N. E. 2025. In Vitro Insights into the Antifungal, Prebiotic, and Cytotoxic Potential of Tomato Plant Waste. *Nutrients*, *17*(22), 3616. IF 5.8, AIS 1.189 Q1 (JIF, AIS)
2. Vamanu, E.; Avram, I.; **Pelinescu, D.R**.; El-Seedi, H.R.; Hritcu, L.; Brinza, I.; Dinu, L.-D.; Boiangiu, R.S. Neurobehavioral Protection by Prebiotic Formulations in a Scopolamine-Induced Cognitive Impaired Zebrafish Model. Life 2025, 15, 1268. https://doi.org/10.3390/life15081268 – IF 3.9 , AIS 0.759 Q1 (JIF) Q2 (AIS) **contributii egale**
3. **Pelinescu, D.,** Anastasescu, M., Bratan, V., Maraloiu, V. A., Negrila, C., Mitrea, D., Calderon-Moreno J., Preda S., Gîfu I.C., Stan A., Ionescu R., Stoica I., Anastasescu C., Zaharescu M., Balint, I. 2023. Antibacterial Activity of PVA Hydrogels Embedding Oxide Nanostructures Sensitized by Noble Metals and Ruthenium Dye. *Gels, 9*(8), 650. IF 4.6 AIS 0.646 Q1
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5. Vamanu E., Gatea F., Sârbu I., **Pelinescu D.,** 2019, An In Vitro Study of the Influence of Curcuma longaExtracts on the Microbiota Modulation Process, In Patients with Hypertension, *Pharmaceutic*s 11(4),91; https://doi.org/10.3390/pharmaceutics11040191 IF 4.421 AIS 3.454 Q2 2021
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1. **Smarandache D**., Balotescu C., Vassu T., Lazăr V., Săsărman E., Israil A.M., 2005, *In vivo experimental study of the beneficial effects of some selected lactic acid bacteria against the gastro-intestinal colonization with Salmonella enteritidis*, Romanian Biotechnological Letters 10(6):2481-2493.
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VIII. Conferinţe invitate/lucrări plenare la manifestări ştiinţifice internaţionale (comunicări orale)

1. **Smarandache D.**, Vassu T., Săsărman E., Stoica I., Nohit A.-M., Csutak O., Muşat F., Fologea D., Grancea O., Gherasim R., 2001, *Lactic acid bacteria used as probiotics: biochemical and genetic characterization*. 12th Balkan Biochemical Biophysical Days, Molecular Biosciences in the Post-Genomics Era, 10-13 mai, Bucuresti.

IX. Conferinţe invitate/lucrări plenare la manifestări ştiinţifice naţionale (comunicări orale)

1. **Pelinescu D.**, 2010, *Studii moleculare asupra unor tulpini de bacterii lactice cu potenţial probiotic,* Workshop-ul „Nano Sisteme Dinamice – De la Concepte la Aplicaţii Senzoristice”*,* Bucureşti.
2. **Pelinescu D.**, Lazăr V., Balotescu C., Stoica I., Săsărman E., Ghindea R., Avram I., Nohit A.-M., Ionescu R., Soare S., Csutak O., Vassu T., 2008, *Caracterizarea genetică, biochimică şi fiziologică a microorganismelor cu potenţial probiotic*, Workshop PROBIOTICELE – Alternativă la tratamentele convenţionale, Universitatea din Bucureşti – Facultatea de Biologie, 20 iun., Bucureşti, p.7.
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X. Participări la manifestări ştiinţifice internaţionale

În străinătate:

1.*Central European Symposium on Antimicrobials and Antimicrobial Resistance, Primosten, Croatia, 2012*
2.*5th Croatian Congress of Microbiology, Primosten, Croatia, 2012*
3.*European Biotechnology Congress, Istanbul, Turcia, 2011*
4.*Symposium on Lactic Acid Bacteria, Egmond Aan Zee, Olanda, 2011*
5.*II European Conference on Probiotics and their Application, Cracow, Polonia, 2008*
6.*Genomes 2008 – Functional Genomics of Microorganisms, Paris, France, 2008*
7.*The Second FEMS Congress of European Microbiologists, Madrid, Spania, 2006*
8.*Flemish-Romanian Workshop on Lactic acid bacteria biodiversity and functional properties, Bruxelles, Belgia, 2004*
9.*BIOTECHNOLOGY 2000, The World Congress on Biotechnology, Berlin, Germania, 2000*

În ţară:

1.*Workshop „Nano Sisteme Dinamice: de la Concepte la Aplicatii Senzoristice" Centrul Internaţional de Biodinamică, Bucureşti, 2010*
2.*Workshop PROBIOTICELE – Alternativă la tratamentele convenţionale, Universitatea din Bucureşti – Facultatea de Biologie, Bucureşti, 2008*
3.*A Nouăsprezecea Sesiune Ştiinţifică Anuală a Societăţii de Biologie Celulară, Baia Mare, 2001*
4.*The Second Symposium with International Participation "Drug Research Between Information and Life Science", Bucureşti, 1999*
5.*A Şaptesprezecea Sesiune Ştiinţifică Anuală a Societăţii Naţionale de Biologie Celulară, Constanţa, 1999*

XI. Brevete obţinute în întreaga activitate

1.Emanuel Vamanu, Vamanu Adrian, Niță Sultana, **Pelinescu Diana,** Rusu Nicoleta, brevet nr. 127731/28.02.2018 Procedeu de testare a viabilității bacteriilor lactice la tranzitul tractului gastrointestinal uman,
2.Visanescu D. B., Cucos P., Calderon-Moreno J.-M., Socoteala G.M., Musuc A.M., Culita D.C., Ene C.D., Chifiriuc M.C., **Pelinescu D.**, Lazar V., Carp O. Patent no. B2/2019- A2016 00422/10.06.2016: Process for obtaining zinc oxide composite materials with bacteriostatic and bactericidal properties
3.Pelinescu D., Chifiriuc C. M., Săsărman E., Vassu Dimov T., Stoica I., Enache-Soare S., Ionescu R., Avram I., Brevet de invenţie nr. 123277 B1/30.05.2011: Procedeu de izolare, selecţie şi conservare a unei tulpini probiotice de *Enterococcus faecium*, bacterie lactică de uz zootehnic.
4.Săsărman E., Chifiriuc C.M., **Pelinescu D.**, Bleotu C., Vassu T., Stoica I., Brevet de invenţie nr. 123278 B1/30.05.2011: Procedeu de izolare, selecţie şi conservare a unei tulpini probiotice de *Lactobacillus paracasei* ssp. *paracasei,* bacterie lactică pentru uz uman.
5.Jurcoane Ş., Lupescu I., Tcacenco L., Groposilă D., Diguţă C., Cozea A., **Pelinescu D.**, Săsărman E., Brevet de invenţie nr. 123298 B1/30.06.2011: Procedeu de obţinere a lipazei cu o tulpină de *Yarrowia lipolytica.*
6.Vassu T., Săsărman E., Stoica I., Jurcoane Ş., Vintilă T., **Smarandache D.,** Nohit A.-M., Csutak O., Muşat F., Grancea O., Gherasim R., Brevet de invenţie nr. 119062 B1 din 30.11.2004: Procedeu de obţinere a unui furaj fermentat.

Premii

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2.Medalie de Aur, Vamanu Emanuel, Gatea Florentina, Sârbu Ionela, **Pelinescu Diana**, Studiu in vitro al influenței extractelor din Curcuma longa în procesul de modulare a microbiotei, la pacienții cu hipertensiune arterială, ProInvent 2020

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