

LISTA PUBLICAȚIILOR și a PROIECTELOR DE CERCETARE

LISTA LUCRĂRILOR PUBLICATE

I. Cărți / monografii / tratate

1. **Vassu T.**, Stoica I., Csutak O., 2010, *Genetic and Gentic Engineering. Course Notes*, University of Bucharest Ed., 213 p., ISBN 978-973-737-846-0.
2. Stoica I., **Vassu T.**, 2006, *Classical Genetics (Chapter 1), Nucleic Acid Structure (Chapter 2), Chromosome in eukaryotic and prokaryotic organisms (Chapter 3), Function of the genetic material (Chapter 4)*. In: *Biotechnology Treaties*, vol.II, Ș.Jurcoane (coordonator), P.Cornea, I.Stoica, T.Vassu, Ed.Tehnic, Bucharest. ISBN (10) 973-31-2279-3 and ISBN (13) 978-973-31-2279-1.
3. Stoica I., **Vassu T.**, Sasarman E., 2003, *Biology and Molecular Taxonomy of Microorganisms*, Microbial culture collection, Ed. Arvin Press, Bucharest, 180 p. ISBN 973-96090-3-8.
4. **Vassu T.**, Stoica I., Csutak O., Mușat F., 2001, *Genetics of Microorganisms and Microbial Genetic Engineering, Lecture Notes and Laboratory Techniques*, Petron Ed., Bucharest, 256 p. ,ISBN 973-9470-24-6.
5. Anghel I., **Vassu T.**, 1991, Chapter. Genetic basis of improving industrial yeasts (p101-211), in monography *Yeast Biology and Tchnology, vol 2*, Coord. Prof.dr. I.Anghel, Tehnic Ed., Bucharest.
6. **Vassu T.**, Sonia D., 1989, *Techniques in Microbiology.In: Practicum of Biology II. Animal Biology*, chief editor I.Anghel abd C.Voica, University of Bucharest Typography, p 332-383.
7. Brezeanu A., Anghel I., **Vassu T.**, 1988, Cap.8 - *Protoplast application in biotechnology* (p 198-310) and Chapter10 – *Yeast Genetic Transformation* (p 320-332), in *Genetic Engineering – Course Notes*, Coord. Prof.dr. I.Anghel, University of Bucharest Typography.
8. Anghel I., **Vassu T.**, Toma N., Moisa I., Cîrciumărescu D., 1985, *Microorganism Genetics. Lab Techniques*, University of Bucharest Typography, 264 p.

II. Articole științifice publicate în reviste din fluxul internațional (indexate și rezumate în : ISI Web of Science, ISI Proceedings, CAB Abstracts, MEDSCAPE – MEDLINE, NCBI, BIOSIS Previews)

Ila – Reviste internaționale cotate Thomson ISI

1. Dragomir M, Călugăru OT, Popescu B, Jardan C, Jardan D, Popescu M, Aposteanu S, Bădeliță S, Nedelcu G, Șerban C, Popa C, Vassu-Dimov T, Coriu D. DNA Sequencing of CD138 Cell Population Reveals TP53 and RAS-MAPK Mutations in Multiple Myeloma at Diagnosis. *Cancers (Basel)*. 2024 Jan 14;16(2):358. doi: 10.3390/cancers16020358. PMID: 38254847; PMCID: PMC10813921
2. Corbu VM, Georgescu A-M, Marinas IC, Pericleanu R, Mogos DV, Dumbravă AȘ, Marinescu L, Pecete I, **Vassu-Dimov T**, Czobor Barbu I, et al. Phenotypic and Genotypic Characterization of Resistance and Virulence Markers in *Candida* spp. Isolated from Community-Acquired Infections in Bucharest, and the Impact of AgNPs on the Highly Resistant Isolates. *Journal of Fungi*. 2024; 10(8):563. <https://doi.org/10.3390/jof10080563> AIS 0,891
3. Ciocan, A.-G.; Maximilian, C.; Mitoi, E.M.; Moldovan, R.-C.; Neguț, D.; Iuga, C.-A.; Helepciuc, F.E.; Holobiuc, I.; Radu, M.; Vassu Dimov, T.; 2023. The Impact of Acute Low-Dose Gamma Irradiation on Biomass Accumulation and Secondary Metabolites Production in *Cotinus coggygia* Scop. and *Fragaria × ananassa* Duch. Red Callus Cultures. *Metabolites* **2023**, *13*, 894.
4. Zenoaga-Barbăroșie C, Berca L, Vassu-Dimov T, Toma M, Nica MI, Alexiu-Toma OA, Ciornei C, Albu A, Nica S, Nistor C, Nica R. The Predisposition for Type 2 Diabetes Mellitus and Metabolic Syndrome. *Balkan J Med Genet*. 2023 Jul 31;26(1):21-26. doi: 10.2478/bjmg-2023-0003. PMID: 37576792; PMCID: PMC10413885.

5. Ciocan, A.-G.; Tecuceanu, V.; Enache-Preoteasa, C.; Mitoi, E.M.; Helepciuc, F.E.; Dimov, T.V.; Simon-Gruita, A.; Cogălniceanu, G.C. Phenological and Environmental Factors' Impact on Secondary Metabolites in Medicinal Plant *Cotinus coggygia* Scop. *Plants* **2023**, *12*, 1762. <https://doi.org/10.3390/plants12091762>
6. Corbu, V., Petrut, S., **Vassu, T.**, Pelinescu, D., Sarbu, I., Rusu, E., Csutak, O. (2021). Environmental stress responses in yeasts and lactic acid bacteria strains isolated from dairy traditional Romanian fermented products. *Biotechnol. Lett*, *26*, 2548-2559.
7. Corbu, V., Pecete, I., **Vassu, T.**, & Csutak, O. (2020). New yeast strains from Black Sea and oil polluted soil with lipolytic potential. *Rom Biotechnol Lett*, *25*, 1998-2007.
8. Corbu, V., **Vassu, T.**, & Csutak, O. (2020). Up-to-date knowledge on yeasts for food industry. *Scientific Bulletin Series F. Biotechnologies*, *24*(2).
9. Csutak O. Sarbu I., Russu E., **Vassu T.**, Corbu, V. (2020). Antimicrobial and Antiadhesion Activity of Biosurfactants from *Rhodotorula glutinis* Grown on n-dodecane. *Rev. Chim. Bucharest*, *71*, 99-105.
10. Mereuta, I., Tanase, A. M., Chiciudean, I., **Vassu, T.**, & Stoica, I. (2020). Metabolic and molecular profiling of microbial communities following controlled kerosene pollution. *Pol J Environ Stud*, *29*, 197-203.
11. Petrut S., Rusu E., Tudorache I.S., Pelinescu D., Sarbu I., Stoica I., **Vassu T.**, 2019, Influence of Various Carbon Sources on Growth and Biomass Accumulation of Some Lactic Acid Bacteria Strains, *Revista de Chimie* *7*: 2434-2438
12. Mureșan A., Sârbu I., Pelinescu D., Ionescu R., Csutak O., Stoica I., **Vassu-Dimov T.**, 2018, In vitro selection of some lactic acid bacteria strains with probiotic potential, *Romanian Biotechnological Letters*, vol. 23 (1), 13327-13339 (IF 0,381)
13. Petrut S., Sarbu I., Corbu V.M., Pelinescu D., Iftime O., **Vassu-Dimov T.**, 2018. Screening of lactic acid bacteria from spontaneously fermented products of Romania, *Romanian Biotechnology Letters*, *24*(2): 254-260. IF 0.32, AIS 0.065
14. Csutak O., Corbu V., **Vassu T.**, 2017, Studies on the correlation between biosurfactant and lipid synthesis by *Candida tropicalis* CMGB114 using hydrocarbons and vegetable oil wastes, *Revista de Chimie*, vol. 68 (2): 255-259.
15. Porumbel I., Chelariu M., Gheorghe I., Curutiu C., Popa M., Delcaru C., Grosu M., Grigore R., Bertesteanu S., Lazar V., Vassu-Dimov T., 2018, Genotypic characterization of virulence and resistance markers in ESBL positive Enterobacteriaceae strains isolated from ambulatory urinary tract infections, *Romanian Biotechnological Letters* Vol. 23, No. 3: 13572 - 13580. IF 0.381
16. Chelariu M., Grosu M., Gheorghe I., Gradisteanu G., Picu A., Petcu L., Popa M., Chifiriuc M.C., Ditu L.M., Lazar V., Vassu Dimov T., 2017, Host metabolic syndrome can disrupt the intestinal microbiota and promote the acquisition of resistance and virulence genes in Enterobacteriaceae strains, *Romanian Biotechnological Letters* Vol. 22, No. 3: 12643 - 12650. IF 0,381
17. Sarbu I., Pelinescu D., Stoica I., Ionescu R., Dascalu L., Alexandru I., Chifiriuc C., Rusu E., Nedelcu I., **Vassu T.**, 2016. Influence of non-steroidal anti-inflammatory drugs on antifungal resistance of *Candida* strains isolated from vulvovaginal infections. *Farmacia*, *64* (2), 274-277
18. Csutak O., Stoica I., Vassu T., 2015, Lipolytic activity of a new yeast strain *Candida rugosa* CMGB-CR6 isolated from oil-polluted soil, *Romanian Biotechnological Letters*, *20* (3), 10547-10557. IF 0.412
19. Rusu E., Enache-Soare S., Pelinescu D., Sarbu I., Cojocar M., **Vassu T.**, 2015, Identification of species of the genus *Candida* by analysis of 5.8 S rRNA gene, *Romanian Biotechnological Letters*, *20* (4), 10585-10591.
20. Rusu E., Enache-Soare S., Pelinescu D., Sarbu I., Cojocar M., **Vassu T.**, 2015, Identification of species of the genus *Candida* by analysis of 5.8 S rRNA gene, *Romanian Biotechnological Letters*, *20* (4), 10585-10591.
21. Rusu E., Enache-Soare S., Cristescu C., Cristescu V., Vassu T., 2011, Identification of species of the genus *Candida* by analysis of 5.8S rRNA gene, *Roum. Biotechnol. Lett.* (accepted)
22. Csutak O., Ghindea R., Stoica I., Tanase A.-M., **Vassu T.**, 2011, Identification of two yeast strains from oil-polluted environment by RFLP on ITS-5.8S rDNA and RAPD analysis, *Roum. Biotechnol. Lett.* (in press)
23. Tanase A.-M., Nicoara A., **Vassu T.**, Chiciudean I., Ionescu R., Csutak O., Stoica I., 2011, Phenotypic and genotypic analysis on bacterial strains from a karathane polluted soil, *Roum. Biotechnol. Lett.*, vol.16, no.1, p.141-148
24. Tanase A.-M., Moraru C., **Vassu T.**, Ionescu R., Pelinescu D., Csutak O., Stoica I., 2011, Phylogenetic analysis of oil polluted soil microbial strains, *Roum. Biotechnol. Lett.* (in press)
25. Chifiriuc M.C., Bleotu C., Pelinescu D.R., Lazar V., Ditu L.-M., **Vassu T.**, Stoica I., Dracea O., Avram I., Sasarman E., 2010, Patterns of colonization and immune response elicited from interactions between enteropathogenic bacteria, epithelial cells and probiotic fractions, *Int. J. Biotech. Mol. Biol.*, vol.1, no.4, p. 47-57.
26. Vamanu E., Pelinescu D., Avram I., Vamanu A., **Vassu T.**, Câmpeanu G., Popa O., Băbeanu N., 2010, The identification and the influence of different glucides on the production of exopolysaccharides at the strains *Lactobacillus* sp. IL2 and *Lactobacillus* sp. IL3, *Roum. Biotechnol. Lett.*, vol. 15, no.3, p. 5133-5139

27. Csutak O., Stoica I., Ghindea R., Tanase A.-M., **Vassu T.**, 2010, Insights on yeast bioremediation processes, *Roum. Biotechnol. Lett.*, vol. 15, no.2, p. 5066-5071
28. Ghindea R., Csutak O., Stoica I., Tanase A.-M., **Vassu T.**, 2010, Production of xylitol by yeasts, *Roum. Biotechnol. Lett.*, vol. 15, no. 3, p. 5217-5222
29. Negruță O., Csutak O., Stoica I., Rusu E., **Vassu T.**, 2010, Identification of some methylotrophic yeast strains of biotechnological interest, *Roum. Biotechnol. Lett.*, Roum. Biotechnol. Lett., vol. 15, no.2, p. 5159-5166.
30. Negruță O., Stoica I., Csutak O., Rusu E., **Vassu T.**, 2010, Methylotrophic yeasts: diversity and methanol metabolism, A review, *Roum. Biotechnol. Lett.*, vol. 15, no. 4, p. 5369-5375
31. Pelinescu D.R., Sasarman E., Chifiriuc M.C., Stoica I., Nohit A.-M., Avram I., Serbancea F., **Dimov Vassu T.**, 2009, Isolation and identification of some *Labctobacillus* and *Enterococcus* strains by polyphasic taxonomical approach, *Roum. Biotechnol. Lett.*, Vol. 14, No. 2, 2009, p. 4225-4233.
32. Ghindea R., **Vassu T.**, Stoica I., Tanase A.-M., Csutak O., 2009, Preliminary taxonomic studies on yeast strains isolated from dairy products, *Roum. Biotechnol. Lett.*, vol.14, no.1, p: 4170-4179.
33. Tanase A.-M., Trasca C., **Vassu T.**, Olteanu A., Pelinescu D., Csutak O., Ionescu R., Stoica I., 2009, Phylogenetic analysis on 16S ribosomal DNA of *Pseudomonas* strains from oil polluted soil, *Roum. Biotechnol. Lett.*, vol.14, no.6, p.4779-4785.
34. Tanase A.-M., **Vassu T.**, Trasca C., Stoica I., 2009, *In situ* visualization of natural microbial communities in black sea coastal shelf sediments, *Roum. Biotechnol. Lett.*, vol.14, no.1, p. 4187-4193.
35. Enache-Soare S., Pelinescu D., Ionescu R., Avram I., Stoica I., **Vassu-Dimov T.**, 2009, Molecular identification of some yeast strains involved in oral candidosis, *Roum. Biotechnol. Lett.*, Vol. 14, No.1, 2009, pp. 4180-4186.
36. Enache –Soare S., Stoica I., Pelinescu D., Chifiriuc C., Nicoara A., **Vassu-Dimov T.**, 2008, Virulence factors in *Candida albicans* and *Candida parapsilopsis* species and minimal inhibitory concentration for fluconazole, *Roum. Biotechnol. Lett.*, vol 13, no.5, p.3898-3906.
37. Negruță O., **Vassu T.**, Pelinescu D., Stoica I., Csutak O., Ghergheata E., Sasarman E., 2008, Comparative morpho-physiological analysis and mutagenesis of some methylotrophic yeast strains of biotechnological interest, *Roum. Biotechnol. Lett.*, vol 13, no.3, p.3757-3765.
38. Vamanu E., Vamanu A., Popa O., **Vassu T.**, Ghindea R., Pelinescu D., Nita S., Babeanu N., 2008, Effect of the yeast and bacteria biomass on the microbiota in the rumen, *Pakistan Journal of Biological Science*, vol. 11, no 18, p. 2217 -2223.
39. Nohit A.-M., **Vassu T.**, Trasca C., Csutak O., Pelinescu D., Ghindea R., Ionescu R., Soare S., Stoica I., 2008, Preliminary analysis on biodegrading strains of *Pseudomonas stutzeri*, *Roum. Biotechnol. Lett.*, vol 13, no.1, p.3595-3605.
40. Csutak O., **Vassu T.**, P. Cornea, I. Grebenisan, 2007, Genetic characterization of two new *Metschnikowia* strains with antifungal activity, *Roum. Biotechnol. Lett.*, vol. 12, no. 2, p:3175-3182.
41. Dinca V. C., Soare S., Barbalat A., Dinu C. Z., Moldovan A., Stoica I., **Vassu T.**, Purice A., Scarisoareanu N., Birjega R., Craciun V., Ferrari DeStefano V., Dinescu M., 2006, Nickel-titanium alloy: Cytotoxicity evaluation on microorganism culture, *Applied Surface Science*, vol 252, no 13 [SPECIAL ISSUE], p. 4619-4624.
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IIb – Reviste integrate în fluxul internațional BDI (MEDSCAPE – MEDLINE, NCBI, BIOSIS Previews)

29. Ghindea R., Paic A., **Vassu T.**, 2011, Generation of some new mutant xylitol producing yeast strains, *Roum. Archives of Microbiology and Immunology*, (in press).
30. Vasile N., Ghindea R., **Vassu T.**, 2011, Probiotics- an alternative treatment for various diseases, *Roum. Archives of Microbiology and Immunology*, vol. 2, p.10-15
31. Ghindea R., Csutak O., Stoica I., **Vassu T.**, 2008, Biotherapeutic properties of probiotic yeasts, *Bacteriol. Virusol. Parazitol. Epidemiol.*, vol. 53, no.1, p:57-63.
32. Csutak O., **Vassu T.**, Grebenişan I., Cornea P., 2007, *Metschnikowia pulcherrima*, antifungal biocontrol agent – taxonomical classification, morpho-physiological and genetic aspects, antifungal activity, *Bacteriol. Virusol. Parazitol. Epidemiol.*, vol. 52, nr. 3-4, p: 129-138
33. Iftime O., Ghindea R., **Vassu T.**, 2007, Identification of yeasts in late stages of spontaneous fermentation of a red grape must, *Roum. Biotechnol. Lett.*, vol 12, no.6, p.3513-3520.
34. Csutak O., Stoica I., Ghindea R., Nohit A.-M., Pelinescu D., **Vassu T.**, 2006, Molecular taxonomy studies on some yeast strains with biodegrading abilities, *Roum. Biotechnol. Lett.*, vol 11, no.1, p.2579-2585.

35. Lazar V., Balotescu C. M., **Vassu T.**, Stoica I., Smarandache D., Barbu V., Sasarman E., Israil A., Bulai D., Alexandru I., Cernat R., 2005, Experimental study of rats of the probiotic effect of some lactic acid bacteria previously selected for their in vitro capacity to interfere with *Salmonella enteridis* infection, *Roum. Biotechnol. Lett.*, vol 10, nr.2, p.2123-2133.
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39. Smarandache D., Lazar V., Balotescu M. C., **Vassu T.**, Ghindea R., Sasarman E., Petrache M. L., Orasanu M., Cernat R., 2004, Characterization of adhesion properties to the cellular substratum of some *Enterococcus* strains selected for potential use in probiotic products or food products, *Roum. Biotechnol. Lett.*, vol. 9, no. 3, p. 1669-1674.
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41. Fologea D., **Vassu T.**, Stoica I., Csutak O., Săsărman E., Smarandache D., Ionescu R., 2004, Efficient electrotransformation of yeast using bipolar electric pulses, *Roum. Biotechnol. Lett.*, vol 9, no 1, p. 1505-1510.
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43. Fologea D., **Vassu T.**, Stoica I., Soare S., Smarandache D., Ionescu R., 2004, *Kluyveromyces lactis* electrokaryotyping by Field Inversion Gel Electrophoresis, *Roum. Biotechnol. Lett.*, vol 9, no 2, p.1637-1641.
44. Fologea D., **Vassu T.**, Stoica I., 2004, Thermal effects during electroporation : theoretical and experimental considerations, *Roum. Biotechnol. Lett.*, vol 9, no 2, p.1587-1590.
45. Ghindea R., Fologea D., **Vassu T.**, Stoica I., Ionescu R., Csutak O., Sasarman E., Smarandache D., Soare S., Nohit A-M., Moraru C., 2004, Electrophoretic karyotype analysis of some *Candida parapsilosis* strains, *Roum. Biotechnol. Lett.*, vol 9, no 5, p. 1839-1844.
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50. Fologea D., Csutak O., **Vassu T.**, Gherasim R., Stoica I., Sasarman E., Smarandache D., Nohit A.-M., Iftime O., 2002, Field inversion gel electrophoresis of large DNA molecules extracted from a *Saccharomyces cerevisiae* strain, *Roum.Biotechnol.Lett.*, vol 7, no 4, p 855-860.
51. Csutak O., Fologea D., **Vassu T.**, Gherasim R., Stoica I., Smarandache D., Sasarman E., Nohit A.-M., Iftime O., 2002, Electrophoretic karyotyping of some yeast strains isolated from oil-polluted soils, *Roum.Biotechnol.Lett.*, vol 7, no 5, p 905-910.
52. Stoica I., Mușat F., **Vassu T.**, Lazăr I., Săsărman E., Csutak O., 1999, Preliminary studies on a quinoline-degrading bacterial consortium using a new screening technique. *Roum. Biotechnol. Lett.*, vol 4, nr 3, p 235-246.
53. Popa C., Popa O., Ioniță A., Stoica I., **Vassu T.**, Săsărman E., Vamanu A., Dumitru I.F., 1999, The influence of carbon/energy source and other parameters on the microorganism mediated reduction of α -ketoesters, *Roum. Biotechnol. Lett.*, vol 4, no 6, p 479-488.
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63. Avram D., **Vassu T.**, Anghel I., Vătafu I., 1989, An efficient method for extraction of 2 μ m DNA. *Analele Universității București*, vol 38, p 33-37.
64. **Vassu T.**, Anghel I., Brezeanu A., Roșu A., 1989, Particular interactions between protoplasts and cells during the agglutination and fusion processes in yeasts., *Rev.Roum.Biol.-Biol.Veget.*, vol 34, no 1, p 11-13.
65. Anghel I., **Vassu T.**, 1988, Protoplast fusion and improvement of industrial yeasts for protein synthesis., *Analele Universității București*, vol 37, p 46-54.
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IIc – Other romanian journals:

1. Popa V., Pirvulescu M., Samarineanu M., Pelinescu D., **Vassu – Dimov T.**, Stoica I., Sasarman E., Caplan E., Botus D., Nica I., Alecu A., 2008, Effect of *Enterococcus faecium* strains in *Salmonella gallinarum* avian infections, *Listeria monocytogenes* and *Escherichia coli*, *Store Avicola / Newsletters – Society of Avian Veterinarians and Small animal pathology Romania* 3 (18) / 19 (74-2): 28-34.
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III. Scientific articles published *in extenso* in volumes of International Congresses/Conferences

1. Mușat F., Stoica I., **Vassu T.**, Săsărman E., Smarandache D., Csutak O., Ionescu N., Grancea O., Gherasim R., Genetic and biochemical characterization of some quinoline degrading bacterial strains, *BIOTECHNOLOGY 2000, The World Congress on Biotechnology*, Berlin, 3-8 sept 2000, p.446-449.
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VI. Lucrări științifice prezentate la congrese / simpozioane naționale, publicate în rezumat

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VII. Conferințe invitate / lucrări plene la conferințe internaționale de prestigiu

1. Current Issues in genetically engineered bacteria - Postgraduate Course: "From cell and molecular biology to the medicine of the 21st century", oct. 2006, Institute of Cellular Biology and Pathology, Nicolae Simionescu, Bucharest
2. *Research on genetics of lactic acid bacteria in Romania – "Flemish-Romanian Workshop on Lactic acid bacteria biodiversity and functional properties"*, Vrije Universiteit Brussel, Universiteit Ghent, nov. 2004, Bruxelles, Belgia.
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4. *Electrostimulation of yeast division*, FEBS advanced course, Bucharest, 1997.
5. *Genetic analysis and improvement of industrial yeast strains* – Universite Louis Pasteur, Strasbourg, Franța, iul 1996

VIII. Participări la manifestări științifice naționale și internaționale

În străinătate:

1. *Central European Symposium on Antimicrobials and Antimicrobial Resistance CESAR*, 21-26 sept. 2012, Primosten, Croatia
2. *5th Croatian Congress of Microbiology with International Participation*, 26-30 sept. 2012, Primosten, Croatia
3. *FEMS 10th, Symposium on Lactic Acid Bacteria*, 28 aug-1 sept. 2011, Netherlands
4. *15th International Biodeterioration & Biodegradation Symposium*, Viena, Austria, 19-24 sept 2011
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11. *Genomes 2008 – Functional genomics of microorganisms*, Apr. 8-11.04.2008, Paris, France

În țară:

12. Workshop „*Biopreparatele microbiene – cale alternativă pentru tratamentele chimice*”; Proiect de cercetare CEEC 52/2006: Biotehnologii avansate de obtinere a unor biopreparate in scopul combaterii unor boli ale plantelor de interes horticol si asigurarii de produse de calitate, in conformitate cu cerintele Uniunii Europene, 11 Aug 2008, Centrul de Biochimie aplicata si Biotehnologie Bucuresti (BIOTEHNOL), USAMVB, Bucuresti

13. Workshop "Probiotice – alternativa la tratamentele conventionale", proiect CEEX /2006: cecetari biotehnologice si de nivel molecular privind obtinerea de preparate probiotice de uz zoo-veterinar, iunie 2008, MICROGEN, Facultatea de Biologie, Univ. Bucuresti.
14. *Proprietati imunologice ale bacteriilor lactice: modele in vivo si in vitro*", Sesiunea Stiintifica Anuala a I.N.C.D.M.I. "Cantacuzino", ian 2008
15. *A XXXVII -a Conferinta Nationala de Imunologie*, Iasi, 19-21 Septembrie 2007

BREVETE DE INVENȚIE

1. **Brevet de inventie** 123277 B1/30.05.2011: Process for isolation, selection and preservation of a probiotic strain of *Enterococcus faecium*, lactic bacteria from livestock use
 Authors: **D. Pelinescu**, C. M. Chifiriuc, E. Săsărman, T. Vassu Dimov, I. Stoica, S. Enache Soare, R. Ionescu, I. Avram
 Brevet de inventie nr. 123278 B1/ 30.05.2011
2. **Brevet de inventie** 123278 B1/ 30.05.2011: Process for isolation, selection and preservation of *Lactobacillus ssp paracasei paracasei* probiotic strains, lactic bacteria for human use
 Authors: Sasarman E., Chifiriuc C.M., **Pelinescu D.**, Bleotu C., Vassu T., Stoica I.
3. **Brevet de inventie** 119062 B1 from 30.11.2004: *Procedure for obtaining a fermented feed*.
 Authors: **Vassu T.**, Săsărman E., Stoica I., Jurcoane Ș., Vintilă T., Smarandache D., Nohit A., Csutak O., Mușat F., Grancea O., Gherasim R.
 European Patent Office - Data supplied from the esp@cenet database – Worldwide
 International Patent Classification (IPC): A23K3/02; C12N1/20; A23K3/00; C12N1/20; (IPC1-7): A23K3/02; C12N1/20
4. **Brevet de inventie** A 100 103 din 30.01.2001: *Method of preservation and improvement of the nutritional value of forage plants by fermentation*
 Authors: **Vassu T.**, Săsărman E., Stoica I., Vintilă T., Smarandache D., Nohit A.-M.
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5. **Brevet de inventie** 108251 B1 din 31.03.1993 : *Obtaining procedure for Somatic Hibrid Saccharomyces cerevisiaex Saccharomyces diastaticus-CD*.
 Authors: Popovici Stela, Niculescu Stelian, **Vassu-Dimov Tatiana**

ANEXA 3

PROIECTE DE CERCETARE NATIONALE

Nr.crt	Perioada de derulare	Titlul proiectului	Rolul în cadrul proiectului	Tipul de proiect
1.	2005-2008	<i>Retea(platforma) integrata de patogenomica pentru transformarea rezultatelor cercetarii in domeniul biomedical</i>	Responsabil proiect Partener Microgen	CEEX –VIASAN 28/2005
2.	2005-2008	<i>Cercetari biotehnologice si de nivel molecular privind obtinerea de preparate probiotice de uz zoo-veterinar</i>	Director de proiect	CEEX –BIOTECH 9/2005
3.	2006-2008	<i>Studii complexe, fiziologice, biochimice si genetice pe tulpini de drojdii patogene de interes medical</i>	Membru în echipa de cercetare	TD-GR 206/2006
4.	2006-2007	<i>Impactul micotoxinelor produse de specii de fungi ale genului Fusarium, asupra lantului alimentar; investigarea unor metode de contracarare a toxicitatii acestora in scopul imbunatatirii calitatii si securitatii alimentare la nivelul standardelor impuse de aderarea la UE</i>	Responsabil proiect Partener Microgen	CEEX-AGRAL 25/ 2005
5.	2006-2008	<i>Biotehnologii avansate de obtinere a unor biopreparate in scopul combaterii unor boli ale plantelor de interes horticol si asigurarii de produse de calitate in conformitate cu cerintele UE</i>	Responsabil proiect Partener Microgen	CEEX –BIOTECH 52/2006
6.	2006-2008	<i>Biotehnologii de realizare a produselor nutraceutice cu efecte in reglarea functiilor metabolice</i>	Responsabil proiect Partener Microgen	CEEX –BIOTECH 80/1.08.2006

7.	2007-2008	<i>Controlul interacției celulelor umane și bacteriene cu suprafețe NANOstructurate: strategii pentru realizarea de suprafețe INTELigente</i>	Responsabil proiect Partener Microgen	CEEX –RELANSIN 119/2006
8.	2007-2008	<i>Studii genetice, biochimice și moleculare în vederea ameliorării unor tulpini de drojdii metilotrofe cu aplicații biotehnologice</i>	Membru în echipa de cercetare	CNCSIS 1668/2007
9.	2007-2008	<i>Realizarea unor sisteme biocatalitice avansate pentru transesterificarea uleiurilor vegetale la biodiesel</i>	Responsabil proiect Partener Microgen	PN II 61-063/2007
10.	2007-2010	<i>Investigarea, monitorizarea și decontaminarea chimică și (micro)biologică a poluanților organici majori de tipul dinitrofenol-derivatilor din mediul ambiant</i>	Membru în echipa de cercetare	PNII 31-017/2007
11.	2007-2010	<i>Sistem integrat pentru reducerea contaminării cu fungi și micotoxine în industria panificației în scopul creșterii siguranței alimentare</i>	Membru în echipa de cercetare	PN II-51-005/2007
12.	2007-2010	<i>Studii biotehnologice privind obținerea de produse simbiotice naturale</i>	Responsabil proiect Partener Microgen	PNII- 6147/2007
13.	2008-2011	<i>Tehnologie avansată pe baza de microorganisme modificate genetic de producere a xilitolului pentru menținerea sănătății umane și prevenirea îmbolnăvirilor</i>	Responsabil proiect Partener Microgen	PNII 62-064/2008
14.	2008-2011	<i>Cercetări biotehnologice privind obținerea unor produse pe baza de microorganisme probiotice înalt productive de bacteriocine cu rol de bioregulator al microflorei intestinale umane</i>	Responsabil proiect Partener Microgen	PNII 62-050/2008
15.	2008 - 2011	<i>Biodiversitatea levurilor de interes biotehnologic – analiză moleculară a genomului și studii de metabolism</i>	Membru în echipa de cercetare	IDEI 985/2008
16.	2008 - 2011	<i>Studii complexe și de nivel molecular pe microorganisme și consorții microbiene ce degradează petrolul</i>	Membru în echipa de cercetare	IDEI 1029/2008
17.	2012-2015	<i>Cercetări inovative, multidisciplinare de investigare a efectelor probiotice ale unor noi tulpini de bacterii lactice și consorții</i>	Membru în echipa de cercetare	PROLAB-77/2012
18.	2012-2015	<i>Selectarea unor noi tulpini funcționale de bacterii lactice izolate din materiale vegetale, cu aplicații în biotehnologiile alimentare</i>	Membru în echipa de cercetare	PLANTLAB – 105/2012

25.05.2026

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