

**LISTA de LUCRĂRI ȘTIINȚIFICE****Prof. dr. Csutak Ortansa**

**Teza de doctorat: Csutak O.**, 2002, “*Studiul taxonomic și genetic al unor tulpini de drojdii cu capacități xenodegradative*”, Universitatea din București.

**I. Cărți****I.1. Edituri internaționale**

1. Sarbu I., **Csutak O.**, 2019, Chapter 13. *The microbiology of cocoa fermentation*, in: Beverages. Vol 8: Caffeinated and cocoa based beverages, Eds: A.M. Holban, A.M. Grumezescu, Academic Press, Elsevier, ISBN: 978-0-12-815864-7, pp. 423-447.
2. **Csutak O.**, Sarbu I., 2018, Chapter 6: *Genetically modified microorganisms: Harmful or Helpful*, în: Genetically engineered foods. Handbook of Food Bioengineering. Volume 6:, Eds: A.M. Holban, A.M. Grumezescu, Academic Press, Elsevier, ISBN: 978-0-12-811519-0, pp. 143-175.

**II. Edituri naționale**

1. Vassu T., Stoica I., **Csutak O.**, 2020, Cap. 3: *Cromozomul la pro- și eucariote*, în: Tratat de biotehnologie, vol II, Ediție revizuită și adăugită, Ed: Ș. Jurcoane, Ed. Tehnică, București, ISBN: 978-973-31-2404-7, pp. 45-69.
2. **Csutak O.**, 2014, *Genetica și biodiversitatea drojdiilor cu aplicații biotehnologice*, Ed. Universității din București, p. 163, ISBN 978-606-16-0483-8.
3. Vassu T., Stoica I., **Csutak O.**, 2010, *Genetică și inginerie genetică*, Ed. Universității din București, p. 214, ISBN 978-973-737-846-0.
4. **Csutak O.**, 2007, *Genetica și taxonomia drojdiilor implicate în biotehnologia compușilor petrolieri*, Ed. Universității din București, p. 126, ISBN 978-973-737-370-0.
5. Vassu T., Stoica I., **Csutak O.**, Mușat F., 2001, *Genetica microorganismelor și inginerie genetică microbiană. Note de curs și tehnici de laborator*, Ed. Petrion, București, p. 256, ISBN 973-9470-24-6.

**II. Articole științifice publicate în reviste internaționale cotate Thomson ISI**

1. **Csutak O.**, Sarbu I., Rusu E., Vassu T., Corbu V., 2020, *Antimicrobial and antiadhesion activity of biosurfactants from Rhodotorula glutinis grown on n-dodecane*, Revista de Chimie, vol. 71 (5), 99-105. Impact Factor (IF) (IF 1,605)
2. Corbu V., Petrut S., Vassu T., Pelinescu D., Sarbu I., Rusu E., **Csutak O.**, 2020, *Environmental stress responses in yeasts and lactic acid bacteria strains isolated from dairy traditional Romanian fermented products*, Revista de Chimie, (submitted) (IF 1,605).
3. Corbu V., Pecete I., Vassu T., **Csutak O.**, 2020, *New yeast strains from Black Sea and oil polluted soil with lipolytic potential*, Romanian Biotechnological Letters, (submitted) (IF 0,590)
4. Corbu V., **Csutak O.**, 2019, *Candida-produced biosurfactants – beneficial agents for environmental remediation biotechnologies*, Romanian Biotechnological Letters, vol. 24(3), 381-387. (IF 0,590)

5. Ionescu R., Mereuta I., Tanase A-M., Pelinescu D., **Csutak O.**, Vassu T., Stoica I., 2019, *Screening and molecular analyses for biosurfactant production by Pseudomonas aeruginosa strains from oil polluted soil*, Romanian Biotechnological Letters, vol. 24 (4), 692-696 (IF 0,590)
6. 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 0,590)
7. **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. Impact Factor (IF) (IF 0,956)
8. **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, vol. 20 (3), 10547-10557. (IF 0,590)
9. **Csutak O.**, Vassu T., 2014, *Phylogenetic analysis and characterization of an alkane-degrading yeast strain isolated from oil-polluted soil*, Turkish Journal of Biology, vol.38, p. 601-610 (IF 1,183)
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14. Tanase A-M., Moraru C., Vassu T., Ionescu R., Pelinescu D., **Csutak O.**, Stoica I., 2012, *Phylogenetic analysis of oil polluted soil microbial strains*, Romanian Biotechnological Letters, vol. 17 (2), 7093-7103. (IF 0,590)
15. 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*, Romanian Biotechnological Letters, vol. 16 (1), 141-148. (IF 0,590)
16. Latypov V., Rothenberg M., Lorenz A., Octobre G., **Csutak O.**, Lehmann E., Loidl J., Kohli J., 2010, *The roles of Hop1 and Mek1 in meiotic chromosome pairing and recombination-partner choice in Schizosaccharomyces pombe*, Molecular and Cellular Biology, vol. 30 (7), 1570 – 1581. (IF 6,188)
17. **Csutak O.**, Stoica I., Ghindea R., Tanase A.-M., Vassu T., 2010, *Insights on yeast bioremediation processes*, Romanian Biotechnological Letters, vol. 15 (2), 5066-5071. (IF 0,590)
18. Negruță O., **Csutak O.**, Stoica I., Rusu E., Vassu T., 2010, *Identification of some methylotrophic yeast strains of biotechnological interest*, Romanian Biotechnological Letters, vol. 15 (2), 5159-5166. (IF 0,590)
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21. Ghindea R., Vassu T., Stoica I., Tanase A-M, **Csutak O.**, 2009, *Preliminary taxonomic studies on yeast strains isolated from dairy products*, Romanian Biotechnological Letters, vol.14 (1), 4170-4179. (IF 0,590)
22. 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*, Romanian Biotechnological Letters, vol.14 (6), 4779-4785. (IF 0,590)
23. Negruță O., Vassu T., Pelinescu D., Stoica I., **Csutak O.**, Ghergheață E., Săsărman E., 2008, *Comparative morpho-physiological analysis and mutagenesis of some methylotrophic yeast strains of biotechnological interest*, Romanian Biotechnological Letters, vol. 13 (3), 3757-3764. (IF 0,590)
24. 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*, Romanian Biotechnological Letters, vol. 13 (1), 3595-3604. (IF 0,590)
25. **Csutak O.**, T. Vassu, P. Cornea, I. Grebenisan, 2007, *Genetic characterization of two new Metschnikowia strains with antifungal activity*, Romanian Biotechnological Letters, vol. 12 (2), 3175-3182. (IF 0,590)
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27. Fologea D., Vassu T., Stoica I., **Csutak O.**, Radu M., 1998, *Increase of Saccharomyces cerevisiae plating efficiency after treatment with bipolar electric pulses*, Bioelectrochemistry and Bioenergetics (actual: Bioelectrochemistry), vol. 46 (2), 285-287. (IF 3,556)

### III. Articole științifice publicate în reviste integrate în fluxul internațional BDI (MEDLINE, NCBI, BIOSIS Previews, EBSCO, SCOPUS, ScienceDirect, Google Scholar, CABI, Ulrich's Periodicals Directory)

- 1 **Csutak O.**, Corbu V., 2020, *The yeasts – versatile antimicrobial agents*, Reviews in Biological and Biomedical Sciences, vol. 3 (1), 1-9.
- 2 **Csutak O.**, Cornea P., Corbu V., 2020, *Candida (Pichia) guilliermondii CMGB44 with versatile antimicrobial activity*, Scientific Bulletin. Series F. Biotechnologies (in press)
- 3 Corbu V., **Csutak O.**, 2020, *Biodiversity studies on Pichia kudriavzevii from Romanian spontaneous fermented products*, AgroLife Scientific Journal (in press)
- 4 Corbu V., Vassu T., **Csutak O.**, 2020, *Up-to-date knowledge on yeasts for food industry*, Scientific Bulletin. Series F. Biotechnologies (in press)
- 5 Corbu V., Vassu T., **Csutak O.**, 2019, *Pichia (Kodamaea) ohmeri CMGB-ST19 – a new yeast strain with complex biotechnological properties*, AgroLife Scientific Journal, vol. 8 (1), 77-86.
- 6 Corbu V., Vassu, T., Bala I., Petrut, S., **Csutak O.** 2018, *Candida vanderwaltii CMGB-ST1 from peony petals – identification and biotechnological potential*. The Eurasia Proceedings of Science, Technology, Engineering & Mathematics, vol. 3, 1-10.
- 7 Corbu V., Vassu T., **Csutak O.**, 2018, *Biosurfactants from Candida sp. – promising biocompounds for human health and food industry*, Romanian Archives of Microbiology Immunology, vol. 77 (2), 110-116.

- 8 **Csutak O.**, Corbu V., Stoica I., Vassu T., 2018, *Fatty acids effect on lipase and biosurfactant induction in Rhodotorula glutinis CMGB-RG5*, Agriculture for Life Life for Agriculture” Conference Proceedings, vol.1, Ed. DeGruyter DOI: 10.2478/alife-2018-0081.
- 9 **Csutak O.**, Vassu T., Corbu V., Cîrpici I., Ionescu R., 2017, *Killer activity of Pichia anomala CMGB88*, Biointerface Research in Applied Chemistry, vol. 7 (3), 2085-2089.
- 10 **Csutak O.**, Simon-Gruia A., Corbu V., Constantin N., Pojoga D., Vassu T., Duță-Cornescu G., 2017, *Preliminary studies on yeast-plant systems with applications in phytoremediation*, Scientific Bulletin. Series F. Biotechnologies, Vol. XXI, 183-189.
- 11 Mureșan A., Sârbu I., Pelinescu D., Ionescu R., **Csutak O.**, Stoica I., Rusu E., Vassu-Dimov T., 2016, *Virulence profiles of pathogenic bacterial strains isolated from different sources*, Biointerface Research in Applied Chemistry, vol. 6 (6), 1631-1636.
- 12 **Csutak O.**, Ghiță A., Vassu T., 2016, *Production of biosurfactants by Candida glabrata CMGB35 and Kluyveromyces (Nakaseomyces) delphensis CMGB62 strains belonging to the Nakaseomyces clade*, Biointerface Research in Applied Chemistry, vol. 6 (3), 1308-1313.
- 13 **Csutak O.**, Sabău E., Pelinescu D., Corbu V., Cîrpici I., Vassu T., 2016, *Molecular identification and metabolic screening of some yeast strains from foods*, AgroLife Scientific Journal, vol. 5 (1), 51-58.
- 14 **Csutak O.**, Cîrpici I., Ionescu R., Stoica I., Vassu T., 2015, *Anti-Candida activity of Kluyveromyces lactis CMGB 226 from dairy products*, Innovative Romanian Food Biotechnology, vol. 17, 46-56.
- 15 **Csutak O.**, Corbu V., Stoica I., Ionescu R., Vassu T., 2015, *Biotechnological applications of Yarrowia lipolytica CMGB32*, Agriculture and Agricultural Science Procedia, vol. 6, 545-553.
- 16 Ionescu R., Măruțescu L., Tănase A-M., Chiciudean I., **Csutak O.**, Pelinescu D., Vassu T., Stoica I. 2015, *Flow cytometry based method for evaluation of biodegradative potential of Pseudomonas fluorescens*, Agriculture and Agricultural Science Procedia, vol. 6, 567-578.
- 17 **Csutak O.**, Stoica I., Vassu T., 2014, *Molecular identification and antimicrobial activity of two new Kluyveromyces lodderae and Saccharomyces cerevisiae strains*, Biointerface Research in Applied Chemistry, vol.4 (6), 873-878.
- 18 **Csutak O.**, Vassu T., 2013, *Genome mapping of medically important yeasts*, Biointerface Research in Applied Chemistry, vol.3 (2), 523-532.
- 19 **Csutak O.**, I. Sarbu, Vassu T., 2013, *Influence of sodium bicarbonate, calcium chloride and growth media on antimicrobial activity of Metschnikowia pulcherrima*, Journal of Food Science and Engineering, vol.3 (2), 79-86.
- 20 **Csutak O.**, Vassu T., 2011, *Aspects of yeasts biodiversity*, Bacteriologia Virusologia Parazitologia Epidemiologia, vol. 56 (1), 5-13.
- 21 Ghindea R., **Csutak O.**, Stoica I., Vassu T., 2008, *Biotherapeutic use of yeasts - importance of probiotic products, (Biotherapeutic properties of probiotic yeasts)*, Bacteriologia Virusologia Parazitologia Epidemiologia, vol. 53 (1), 57-63.
- 22 **Csutak O.**, Vassu T, Grebenișan I, Cornea P., 2007, *Metschnikowia pulcherrima, antifungal biocontrol agent taxonomic classification, morpho-physiological and genetic aspects, antifungal action*, Bacteriologia Virusologia Parazitologia Epidemiologia, vol. 52 (3-4), 29-38.
- 23 **Csutak O.**, Stoica I., Ghindea R., Nohit A.-M., Pelinescu D., Vassu T., 2006, *Molecular taxonomy studies on some yeast strains with biodegrading abilities*, Romanian Biotechnological Letters, vol. 11 (1), 2579-2585.

- 24 **Csutak O.**, Ghindea R., Stoica I., Soare S., Ionescu R., Creangă O., Vassu T., 2005, *Preliminary identification and classification of five new yeast strains isolated from oil-polluted environment*, Romanian Archives of Microbiology Immunology, vol. 64 (1-4), 65-71.
- 25 Vassu T., Fologea D., **Csutak O.**, Smarandache D., Săsărman E., Stoica I., Soare S., 2004, *Secondary effects of electroporation with bipolar electric pulses electrostimulation*, Romanian Biotechnological Letters, vol. 9 (1), 1541-1544.
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- 29 Ghindea R., **Csutak O.**, Stoica I., Ionescu R., Soare S., Pelinescu D., Nohit A.M., Creanga O., Vassu T., 2004, *Molecular taxonomy techniques used for yeast identification*, Bacteriologia Virusologia Parazitologia Epidemiologia, vol 49 (3-4), 105-113.
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- 35 Vassu T., Săsărman E., **Csutak O.**, Stoica I., Ghergheață E., 1997, *Lactic acid bacteria used as probiotics - isolation, preservation and biomass obtaining*. Analele Universității București, anul XLVI, 87-91.
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#### IV. Articole științifice publicate în reviste de specialitate

1 Cucu N., Arsene C., Pelinescu D. R., Anastasiu P., **Csutak O.**, Ghindea R., Constantinovici M., Onisei T., 2011, *Genotype and chemotype correlations to characterize four populations of Salvia officinalis cultivated in different conditions*, Romanian Biological Sciences, vol. IX (1-4), 151-154.

2 Stoica I., Mușat F., Vassu T., Săsărman E., **Csutak O.**, Lazăr I., Smarandache D., 1999, *Modern techniques used in biodegradation studies and în molecular characterization of xenodegradative microbial strains*, în: Current Problems în Cellular and Molecular Biology, Editors A.Ardelean, C.Craciun, Ed. Risoprint Cluj-Napoca, 668-676.

3 **Csutak O.**, Vassu T., Stoica I., Brezeanu A., Mușat F., Săsărman E., Smarandache D., 1999, *New techniques used în molecular taxonomy of the yeasts*, în: Current Problems in Cellular and Molecular Biology, Editors A.Ardelean, C.Craciun, Ed. Risoprint Cluj-Napoca, 111-120.

#### V. Brevete

1. Vassu T., Săsărman E., Stoica I., Jurcoane Ș., Vintilă T., Smarandache D., Nohit A.-M., **Csutak O.**, Mușat F., Grancea O., Gherasim R., 2004, Brevet de invenție nr. 119062 B1/30.11.2004: *Procedeu de obținere a unui furaj fermentat*.

#### VI. Articole științifice publicate in extenso în volumele Congreselor / Conferințelor Internaționale

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, 446-449.

2 Vassu T., Smarandache D., Săsărman E., Fologea D., Mușat F., Stoica I., **Csutak O.**, Grancea O., Ionescu N., Gherasim R., *Electrotransformation of some microorganisms of biotechnological interest*, BIOTECHNOLOGY 2000, The World Congress on Biotechnology, Berlin, 3-8 sept 2000, 256-259.

#### VII. Lucrări științifice prezentate la manifestări științifice internaționale, publicate în rezumat

##### Rezumate în reviste internaționale cotate Thomson ISI:

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2. Corbu V., Tanase A.-M., Vassu T., Petrut S., **Csutak O.**, 2018, *Marine-isolated Rhodotorula glutinis CMGB-G1 strain for bioremediation and probiotic compounds*, European Biotechnology Congress 2018, 16-28 April, Athens, Greece, Journal of Biotechnology, vol. 280, supplement 30, aug. 2018, p. S71 (IF 2,908).

3. Petrut S., Sarbu I., Corbu V., Pelinescu D., **Csutak O.**, Vassu T., 2018, *Screening of lactic acid bacteria strains with biotechnological properties, isolated from traditional Romanian fermented foods*, European Biotechnology Congress 2018, 16-28 April, Athens, Greece, Journal of Biotechnology, vol. 280, supplement 30, aug. 2018, p. S60-S61 (IF 2,908).

4. Ionescu R., Mereuță I., Tănase A-M., **Csutak O.**, Vassu T., Stoica I., 2015, *Screening studies of biosurfactant production by several Pseudomonas aeruginosa strains*, European Biotechnology Congress 2015, Bucharest, Romania, 07-09 May 2015, Journal of Biotechnology, vol. 208, S64 (IF 2, 908).
5. Ionescu R., Tanase A-M, Pelinescu D., **Csutak O.**, Chiciudean I., Vassu T., Stoica I., 2011, *Molecular analysis on Pseudomonas strains involved in oil biodegradation*, Acta Biochimica Polonica, Vol.58 suppl.4, p.101, IV Congress of Polish Biotechnology and IV EUROBIOTECH “Four Colours of Biotechnology”, Central European Congress of Life Sciences, oct 12-15, Krakow, Poland (IF 1,389).
6. Sarbu I., **Csutak O.**, Pelinescu D., Stoica I., Rusu E., Enache-Soare S., Cornea P., Tanase A-M, Ghindea R., Negruta O., Vassu T., 2010, *New antifungal microbial strains effective against Candida strains isolated from infections*, Clinical Microbiology and Infection, vol. 16, no. 2, pg. S690, abstract R2307, supplement ECCMID Congress Vienna 10-13 April 2010 (IF 5,197)
7. Enache-Soare S., Stoica I., Pelinescu D., Avram I., **Csutak O.**, Nicoara A., Russu E., Vassu T., 2009, *Analysis of fluconazole resistance of Candida albicans strains and use of lactic bacteria as alternative therapy*, Yeast, vol.26, P. 268, p. 172, supplement: 24<sup>th</sup> International Conference on Yeast Genetics and Molecular Biology, Manchester, UK, 19 – 24 July 2009 (IF 1,742)

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8. **Csutak O.**, Cornea P., Corbu V., 2020, *Candida (Pichia) guilliermondii CMGB44 with versatile antimicrobial activity*, International Conference „Agriculture for life, life for agriculture”, 4-6 June 2020, Bucharest, Romania, Book of Abstracts – Section 6: Biotechnology, P.II.31, p. 65.
9. Corbu V., Vassu T., **Csutak O.**, 2020, *Up-to-date knowledge on yeasts for food industry*, International Conference „Agriculture for life, life for agriculture”, 4-6 June 2020, Bucharest, Romania, Book of Abstracts – Section Book of Abstracts – Section 6: Biotechnology, P.II.38, p. 69.
10. Brezeanu A., Krapal A-M., **Csutak O.**, 2020, *Low genetic diversity in Dama dama (Artiodactyla, Cervidae) populations from Romania – preliminary results*, International Conference „Agriculture for life, life for agriculture”, 4-6 June 2020, Bucharest, Romania, Book of Abstracts – Section 3: Animal Science, p.42.
11. Corbu V., Cornea P., Vassu-Dimov T., **Csutak O.**, 2018. *Pichia membranifaciens - a new yeast strain with enhanced antifungal activity for biocontrol technologies*, First Balkan Conference on Medical Mycology and Mycotoxicology- Balkan Fungus, 13-15 September 2018, Timisoara, Romania, Revista Română de Medicină de Laborator Supliment 2 la Vol. 26, Nr. 3, Iulie, S95-96. (IF 0,400)
12. **Csutak O.**, Corbu V., Sârbu I., Bala I., Vassu-Dimov T., 2018, *Two new yeast strains from traditional Romanian dairy products with antiCandida activity and probiotic abilities*, First Balkan Conference on Medical Mycology and Mycotoxicology- Balkan Fungus, 13-15 September 2018, Timisoara, Romania, Revista Română de Medicină de Laborator Supliment 2 la Vol. 26, Nr. 3, Iulie, S104-105. (IF 0,400)
13. Corbu V., Vassu T., Bala I., Petrut S., **Csutak O.**, 2018. *Candida vanderwaltii CMGB-ST1 from peony petals – identification and biotechnological potential*, International Conference on Veterinary, Agriculture and Life Sciences, 26-29 October, 2018, Antalya, Turkey.
14. **Csutak O.**, Corbu V., Stoica I., Vassu T., 2018, *Fatty acids effect on lipase and biosurfactant induction in Rhodotorula glutinis CMGB-RG5*, International Conference „Agriculture for life, life for agriculture”, 7-9 June 2018, Bucharest, Romania, Book of Abstracts – Section 6 Biotechnology, P IV.2, p. 70.

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