

LISTA LUCRĂRILOR PUBLICATE

A. TEZA DE DOCTORAT

GURGU L., 2011 - Studii privind utilizarea tehnicilor de inginerie genetică în vederea îmbunătățirii procedeelelor fermentative tradiționale, Universitatea Dunarea de Jos, Galati, Romania.

B. CĂRȚI ȘI CAPITOLE ÎN CĂRȚI

1. **Leontina Gurgu**, Georgiana Horincar, Gabriela Bahrim. 2015. **Chapter 8 - The Effects of Fatty Acid Derivates from Corn and Coconut Oils on Microbial Physiology**, in Corn and Coconut Oil: Antioxidant Properties, Uses and Health Benefits. Series - Nutrition and Diet Research Progress. Nova Science Publisher. ISBN: 978-1-63483-420-9
2. **Leontina Gurgu**. 2015. **Chapter 10- Beneficial Effects of Fatty Acids from Coconut Oil on Human Metabolism and Health**, in Corn and Coconut Oil: Antioxidant Properties, Uses and Health Benefits. Series - Nutrition and Diet Research Progress. Nova Science Publisher. ISBN: 978-1-63483-420-9

C. LUCRĂRI PUBLICATE ÎN REVISTE DE CIRCULAȚIE INTERNAȚIONALĂ, ISI:

1. **Leontina Gurgu**, Vasilica Barbu, Rodica Dinică (2013). **Studies about expression of CbhB encoding gene from *Aspergillus niger* into *Saccharomyces cerevisiae***, Romanian Biotechnological Letters, Vol. 18, No.1, 2013, 7975-7982.
<http://ebooks.unibuc.ro/biologie/RBL/rbl2013ian/13%20Gurgu%20.pdf>
2. **Leontina Gurgu**, Santiago Alamar, Julio Polaina, Julia Marín-Navarro (2011). **Fermentation of cellobiose to ethanol by industrial *Saccharomyces strains* carrying the b-glucosidase gene (BGL1) from *Saccharomycopsis fibuligera***. Bioresource Technology 102: 5229-5236.
3. Julia Marín-Navarro, **Leontina Gurgu**, Santiago Alamar, Julio Polaina (2010). **Structural and functional analysis of hybrid enzymes generated by domain shuffling between *Saccharomyces cerevisiae* (var. *diastaticus*) Sta1 glucoamylase and *Saccharomycopsis fibuligera* Bgl1 β -glucosidase** – Applied Microbiology and Biotechnology 89:121-130.
4. **Leontina GURGU**, Vasilica BARBU (2010). **Southern Blot Analysis for 21-Mer Identification from pDR3.3**, Book 2, Vol.11, ISSN 1311-5065. Journal of Environmental Protection and Ecology, 586-592 .

D. ARTICOLE PUBLICATE IN REVISTE INDEXATE IN BAZE DE DATE INTERNATIONALE, BDI:

1. **Leontina Gurgu (2012)- Recombinant vectors construction for cellobiohydrolase encoding gene constitutive expression**, The Annals of the University Dunarea de Jos of Galati, Fascicle VI – FOOD TECHNOLOGY, 36(2), 41-48.
http://www.ann.ugal.ro/tpa/Anale%202012/vol2/4_LGurgu.pdf
2. **Leontina Gurgu, Vasilica Barbu, Clemansa Tofan (2009). Fusion between serine-threonine reach domain from *Stal* gene with *Bglb* gene of the *Paenibacillus polymyxa***, Innovative Romanian Food Biotechnology, 5:31-37,
<http://www.bioaliment.ugal.ro/revista/5/paper%2055.pdf>.
3. **Petrea (Gurgu) L. (2008). Characterization of two *Saccharomyces cerevisiae* strains obtained by UV mutagenesis**, Innovative Romanian Food Biotechnology, 2: 48 – 55.
<http://www.bioaliment.ugal.ro/revista/2/Paper26.pdf>.
4. **Leontina Petrea (Gurgu), Clemansa Tofan (2008). Characterization of *Saccharomyces carlsbergensis* mutants obtained by nitrous acid mutagenesis**, Journal of Agroalimentary Processes and Technologies, Timisoara, Volume XIV, 2: 312-317. http://www.journal-of-agroalimentary.ro/admin/articole/28142L71_Vol_XIV_2008_Petrea_Leontina_poster.pdf.
5. **Leontina Petrea (Gurgu), Clemansa Tofan (2007). Genetic diversity and evolution of fermentation yeast from *Saccharomyces sensu stricto* complex**, Annals of Suceava University – Food Engineering, Year VI, No 2, ISSN 1842 – 4597, pag. 65-74.
6. **Leontina Petrea (Gurgu), Clemansa Tofan (2007). Manipulating the yeast's genome in vitro with plasmids**. Proceedings of the 1st International Conference Environment Natural Sciences in Food Industry In European Context, Baia Mare, November, 16st - 17st, ISBN 978-973-1729-39-8, pag. 489-496.

E. STUDII PUBLICATE ÎN VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INTERNAȚIONALE CA REZUMAT:

1. **Gurgu Leontina (2014). Ethical Aspects In Genomic Research**. Al IV-lea Congres de Genetică Medicală cu Participare Internațională, 25 - 27 septembrie 2014, Bucuresti, pag.65.
2. Polaina, Julio; Marín-Navarro, Julia; **Gurgu, Leontina**; Talens-Perales, David (2013). **Coupled hydrolysis-fermentation strategies for the production of ethanol from cellulosic substrates**. II Congreso Iberoamericano sobre Biorrefinerías, Spania, 10-12.04. 2013, pag. 497-502.

3. **Leontina Gurgu**, Vasilica Barbu (2012) - **Le clonage du gene codificateur de la cellobiohydrolase Cel48c dans *Saccharomyces cerevisiae***, Le Septième Colloque Franco – Roumain De Chimie Appliquée, 27–29 Iunie 2012, Bacau, Romania, pag. 250-251.
4. **Leontina Gurgu (2012) - Studies about the synergic effect of cellobiohydrolase and beta-glucosidase in the hydrolysis of cellulose**, Prioritățile chimiei pentru o dezvoltare durabilă, PRIOCHEM - ediția a VIII-a, 25 - 26 Octombrie 2012.
5. Julia Marín Navarro, **Leontina Gurgu**, Santiago Alamar and Julio Polaina (2010). **Structural and functional analysis of hybrid enzymes containing catalytic and non-catalytic domains from *Sacharomyces cerevisiae* (var. *diastaticus*) Sta1 glucoamylase**. Fourth Symposium on the alpha-amylase family, September 26th - 30th, Smolenice – Slovacia, pag. 29.
6. **Leontina Gurgu (Petrea)**, Vasilica Barbu (2008). **Application of molecular biological methods for characterization of lactic acid bacteria strains**, Hungary Academy of Science Regional Committee in Szeged, International Conference on Science and Technique in the Agri-Food Business, 5-6 Noiembrie, ISBN 963 482 676 8, pag.177.