



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **TATIANA ELISABETA VASSU-DIMOV**

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Nationality romanian

Date of birth 08.12.1952

Gender F

**Desired employment /
Occupational field** **Faculty of Biology, PhD, Biology, Dep. Genetics**

Work experience

Dates 1988-present

Occupation or position held Assistant Professor(1988-1991); University Lecturer(1991-1996); Associate Professor(1996-2001); Professor(2001-present)

Main activities and responsibilities **1995 –present: Director** of the Center for Research, Training and Consulting in Microbiology, Genetics and Biotechnology- **MICROGEN**
1996 – 2004: Vicedean of the Faculty of Biology, University of Bucharest
2004 – 2012: Dean of the Faculty of Biology, University of Bucharest
2012- 2019: Vicedean of the Faculty of Biology, University of Bucharest

Name and address of employer University of Bucharest, Faculty of Biology, Departament of Genetics, Aleea Portocaliilor nr.1-3, Sector 6, Bucharest, zip cod: 060101

Type of business or sector Didactic activity:

Courses and practical works with students of the Faculty of Biology and the Faculty of Chemistry, years II, III, Masters of Molecular Biology and Biochemistry, Genetics, Microbiology and Biotechnology, Master programs of Biodynamics and Biotechnology from the Polytechnic University of Bucharest.

Leadership PhD thesis, Diploma and Dissertation Work in areas: genetics and improvement of non-conventional yeast strains, classical genetic and electrotransformation of the yeast and bacteria, Molecular taxonomy from non-conventional yeasts and the xenodegradative bacteria, cloning genes of interest in biotechnology in the shuttle vectors, improved strains of bacteria and yeasts with economic potential, plasmids encoding of characters involved in lactic bacteria useful, plasmid epidemiology and plasmid patterns from pathogenic bacterial strains, biochemistry and molecular genetic analysis of the strains of pro-/eukaryote microorganisms with biodegradative abilities, human genetics.

Technical guidance of Ph.D. students in the genetics (1999-present)

Director of the MICROGEN (CNCSIS accredited- Center of excellence of type C)

Management and coordinator of scientific research- 50 projects (CNCSIS, PNII, CEEEX, World Bank Group), from 27 of which was project director, in areas: study genes involved in genetic regulation of metabolic pathways in different industrial strains of yeast, molecular genetic studies of taxonomic value from biotechnology and microorganisms with potential probiotic, studies of microorganisms with potential xenodegradative.

Vicedean and Dean of the Faculty of Biology- Management and coordinator of academic activity

OTHER ACTIVITIES

- member of the committee for admission to college and License, and admission committees States Recent changes from masters of the Faculty of Biology, Bucharest. I also was part of the commission for occupation of the teaching positions in the Department of Biology, and PhD committees

Education and training

Dates	1981 - 1987
Title of qualification awarded	PhD in Biology
Principal subjects/occupational skills covered	Biology, Microbiology, Genetics
Name and type of organisation providing education and training	Central Biology Institute from Bucharest /Ministry of Education
Level in national or international classification	PhD studies
Dates	1975-1976
Title of qualification awarded	Specialist in Cell Biology/ Specialization certificate in year V
Principal subjects/occupational skills covered	Cell Biology, Molecular embriology, Genetics
Dates	1971-1975
Title of qualification awarded	Biologist/Bachelor's Degrees
Principal subjects/occupational skills covered	Biology, Microbiology, Genetics, Cell Biology, Biochemistry, Chemistry
Name and type of organisation providing education and training	Faculty of Biology, University from Bucharest / Ministry of Education
Level in national or international classification	University studies
Dates	1967 – 1971
Title of qualification awarded	Highschool degree
Principal subjects/occupational skills covered	Branch of knowledge: Biology, Chemistry, Physics
Name and type of organisation providing education and training	Mihail Sadoveanu Highschool, Bucharest / Ministry of Education
Level in national or international classification	High school studies

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **English, French**

Self-assessment

European level ()*

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
English	C2	1.		C2	1	C1	1	C2	1
French	C2	2.		C2	2	B2	2	B2	2

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Organisational skills and competences	<p>Managerial skills – Head of Discipline, Vice-Dean, Dean at the Faculty of Biology <u>As Head of Discipline and Head of Research Centre -MICROGEN</u> The entire activity was based on the following objectives: 1 – University education reorganization after the European model in the branch of Biology; 2 –The development of scientific research to achieve international level; 3 – Employment of young graduates in research projects 4 – Fund raising for education and research <u>As Vice-Dean and Dean at the Faculty of Biology</u> I've been involved in managing following situations: - administrative problems regarding students - admission contests organization at the Faculty of Biology - interior spaces rearrangement of the Faculty of Biology - raising national funds for equipment acquisition - organization of new international courses - involved in numerous PhD presentation - facilitating international contracts with representative of various universities and improve interpersonal relationships in college</p>
Technical skills and competences	
Computer skills and competences	MS Office 2007 and Vista, different programs like CorelDraw, Adobe Photoshop, Internet
Artistic skills and competences	
Other skills and competences	Editorial skills - Editor at Romanian Biotechnological Letters
Driving licence	No
Additional information	<p>MEMBER IN NATIONAL / INTERNATIONAL SCIENTIFIC SOCIETIES</p> <p>Vice President of the Romanian Genetic Association (since 2006) Member of the Society of Biological Sciences in Romania Member of Romanian Society of Cell Biology Member of Romanian Society of Biochemistry and Molecular Biology, affiliated to the Federation of European Biochemical Societies Member of Romanian Society of Microbiology, affiliated to the European Federation of Microbiological Societies Member of the New York Academy of Sciences (since 1995)</p> <p>NOMINALIZATION:</p> <ul style="list-style-type: none"> - for People of the 20th Century, 1997 edition; - for Who's Who in Science 1998 - Personalities encyclopedia from Romania, Hubners Who is Who, 2007 - CME certificate - Biochemistry, Biology and Chemistry Order in the health system in Romania <p>EXPERT EVALUATORS:</p> <ul style="list-style-type: none"> - CNCSIS from 1996 - PNCDI between 2001 - 2004 - CEEEX from 2000
Annexes	Publication list, Patents list, National / international projects coordinator list

PUBLICATION LIST

I. Books

1. Jurcoane S. (coordonator), Cornea P., Stoica I., **Vassu T.**, Rosu A., Săsărman E., Lazăr V., Berehoiu Tamba R., Israel F., Dragomirescu M., Vintilă T., Lagunovschi-Luchian V., Burcea M., Chifiriuc C., Dinu L., Pelinescu D., Popa C., Csutak O. 2020, *Tratat de Biotehnologie*. Vol. II, Editura Tehnică, București, 774 p. ISBN 978-973-31-2404-7, (13) 978-073-31-2279-1.
2. **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.
3. 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.
4. 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.
5. **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.
6. 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.
7. **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.
8. 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.
9. Anghel I., **Vassu T.**, Toma N., Moisa I., Cîrciumărescu D., 1985, *Microorganism Genetics*. Lab Techniques, University of Bucharest Typography, 264 p.

II. Scientific articles in peer-reviewed journals (ISI Web of Science, ISI Proceedings, CAB Abstracts, MEDSCAPE – MEDLINE, NCBI, BIOSIS Previews)

IIa – Scientific articles in peer-reviewed journals Thomson ISI

1. Mereuta, I., Tanase, A. M., Chiciudean, I., Vassu, T., & Stoica, I. (2020). Metabolic and Molecular Profiling of Microbial Communities Following Controlled Kerosene Pollution. *Polish Journal of Environmental Studies*, 29(1): 197-203
2. Chiciudean I., Mereuță I., Ionescu R., **Vassu T.**, Tănase A.-M., Stoica I., 2019, Jet A-1 bacterial contamination: A case study of cultivable bacteria diversity, alkane degradation and biofilm formation, *Pol. J. Environ. Stud.* 28(6):4139–4146 IF 1.12
3. 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
4. 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)
5. 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
6. 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. (IF 0,956)
7. Sarbu I., **Vassu T.**, Chifiriuc M.C., Bucur M., Stoica I., Petrut S., Rusu E., Moldovan H., Pelinescu D., 2017, Assessment the Activity of Some Enzymes and Antibiotic Substances Sensitivity on Pathogenic Bacteria Species, *Revista de Chimie* 68(12), 3015-3021
8. Tanase A-M., Chiciudean I., Mereuta I., Ionescu R., Cornea C.P., **Vassu T.**, Stoica I., 2017, Microbial community dynamics in field-scale biopile bioremediation, *Polish Journal of Environmental Sciences*, 26 (1), 1-6. IF 0.79, RIS 0.272
9. Ionescu R., Mereuta I., Tanase A-M., Pelinescu D., Csutak O., Vassu T., **Stoica I.**, 2017, Screening and molecular analyses for biosurfactant production by *Pseudomonas aeruginosa* strains from oil polluted soil, *Romanian Biotechnological Letters*, 23 (4), <http://www.rombio.eu/published.html>
10. Grosu M., Chelariu M., Gheorghe I., Popa M., Chifiriuc M.C., **Vassu Dimov T.**, 2016, Genotypic characterization of virulence and resistance markers in ESBL positive *Enterobacteriaceae* strains isolated from ambulatory urinary tract infections, *Romanian Biotechnological Letters*, vol. 21, (accepted).
11. Chelariu M., Grosu M., Gheorghe I., Popa M., Chifiriuc M.C., **Vassu Dimov T.**, 2016, Metabolic syndrome of the host can disrupts the intestinal microbiota and promotes the acquisition of resistance and virulence genes in *Enterobacteriaceae* stains, *Romanian Biotechnological Letters*, vol. 21, (accepted).
12. Rusu E., Sârbu I., Cristescu C., Coculescu B.-I., Petruț S., Mureșan A., **Vassu T.**, Pelinescu D., 2016. Highlighting the antimicrobial activity of organic compounds isolated from some strains of lactic acid bacteria, *Revista Romana de Chimie*, 12 (in press).

13. Sarbu I., **Vassu T.**, Stoica I., Dascalu L., Chifiriuc C., Pelinescu D., 2016, Phenotypic and genotypic assessment of *Lactobacillus plantarum* influence on *Candida albicans* fluconazole resistance, *Annals of Microbiology*, 66 (2), 817-823.
14. 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.
15. Rusu E., Enache-Soare S., Pelinescu D., Sarbu I., Cojocaru 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.
16. 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.
17. Pavlusenco C., Constantin N., Duță Cornescu G., Pojoga D., Rați V., Rați L., **Vassu-Dimov T.**, Simon-Gruita A., 2015, The efficiency of the genetic markers for characterization of sea buckthorn varieties. *Romanian Biotechnological Letters*, vol. 20(2), 10269-10276.
18. 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, 601-610.
19. Rusu, E., Radu-Popescu, M., Pelinescu D., **Vassu, T.**, 2014, Treatment with some anti-inflammatory drugs reduces germ tube formation in *Candida albicans* strains, *Brazilian Journal of Microbiology*, vol. 45, 1379-1383.
20. Mateescu A.L., Mitache M.M., Chifiriuc M.C., **Vassu Dimov T.**, 2014, Antibiotic resistance of food-borne enterobacterial strains isolated in Bucharest, Romania, *Romanian Biotechnological Letters*, vol. 19(3), 9409-9420.
21. Caplan M.E., Mateescu A.L., **Vassu Dimov T.**, Rafla A., Borcan A.M., 2014, Antibiotic susceptibility profiles of *Listeria monocytogenes* strains isolated from food products and clinical samples, *Revista Română de Medicină de Laborator*, vol. 22 (2), 255-262.
22. Csutak O., **Vassu T.**, Sarbu I., Stoica I., Cornea P., 2013, Antagonistic activity of three newly isolated yeast strains from the surface of fruits, *Food Technology and Biotechnology*, vol. 51(1), 70-77.
23. Ionescu R., Tanase A-M., **Vassu T.**, Pelinescu D.Chiciudean I., **Csutak O.**, Stoica I., 2013, Characterization of *Pseudomonas* strains with hydrocarbons-degrading potential, *Romanian Biotechnological Letters*, vol. 18 (3), 8372-8380.
24. Csutak O., Stoica I., **Vassu T.**, 2012, Evaluation of production, stability and activity of biosurfactants from yeasts with application in bioremediation of oil-polluted environment, *Revista de Chimie*, vol. 63 (10), 973-977.
25. Tanase A.-M., Ionescu R., **Vassu T.**, Chiciudean I., Stoica I., 2012, Characterization of hydrocarbon-degrading bacterial strains isolated from oil polluted soil, *International Biodeterioration & Biodegradation*, vol. 84, 150–154.
26. Csutak O., Ghindea R., Stoica I., Tanase A-M., **Vassu T.**, 2012, Identification of two yeast strains from oil-polluted environment by RFLP on ITS-5.8S rDNA and RAPD analysis, *Romanian Biotechnological Letters*. Vol. 17 (1), 6913-6920.
27. 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, no.2, 7093-7103.
28. 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.
29. Pelinescu D., Chifiriuc M.C., Ditu L.M., Sarbu I., Bleotu C., **Vassu T.**, Stoica I., Lazar V., Corcionivoschi N., Sasarman E., 2011, Selection and characterization of probiotic potential of some lactic acid bacteria isolated from infant faeces, *Romanian Biotechnological Letters*, Vol. 16 (3), 6178 – 6189
30. **Vassu-Dimov T.**, Pelinescu D., Dumitriu S., Enache-Soare S., Radu-Popescu M. A., Balotescu C., Udristoiu A., 2010, Molecular biological techniques used for the identification of *Candida* spp., *Farmacia*, vol. 58 (4), 422-429.
31. 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, *Romanian Biotechnological Letters*, vol. 15 (3), 5133-5139.
32. 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.
33. Ghindea R., Csutak O., Stoica I., Tanase A-M., **Vassu T.**, 2010, Production of xylitol by yeasts, *Romanian Biotechnological Letters*, vol. 15 (3), 5217-5222.
34. Negruță O., Csutak O., Stoica I., Rusu E., **Vassu T.**, 2010, Identification of some methylotrophic yeast strains of biotechnological interest, *Roum. Biotechnol. Lett.*, *Romanian Biotechnological Letters*, vol. 15 (2), 5159-5166.
35. Negruță O., Stoica I., Csutak O., Rusu E., **Vassu T.**, 2010, Methylotrophic yeasts: diversity and methanol metabolism, A review, *Romanian Biotechnological Letters*, vol. 15 (4), 5369-5375
36. 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, *Romanian Biotechnological Letters*, Vol. 14 (2), 4225-4233.
37. 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, no.1, 4170-4179.
38. 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.
39. Tanase A.-M., **Vassu T.**, Trasca C., Stoica I., 2009, *In situ* visualization of natural microbial communities in black sea coastal shelf sediments, *Romanian Biotechnological Letters*, vol.14 (1), 4187-4193.
40. 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, *Romanian Biotechnological Letters*, Vol. 14 (1), 4180-4186.
41. 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 *Romanian Biotechnological Letters*, vol 13 (5), 3898-3906.

42. 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, *Romanian Biotechnological Letters*, vol 13 (3), 3757-3765.
43. 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 (18), 2217 -2223.
44. 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), 3595-3605.
45. Csutak O., **Vassu T.**, P. Cornea, I. Grebenisan, 2007, Genetic characterization of two new *Metschnikowia* strains with antifungal activity, *Romanian Biotechnological Letters*, vol. 12 (2), 3175-3182.
46. Iftime O., Ghindea R., **Vassu T.**, 2007, Identification of yeasts in late stages of spontaneous fermentation of a red grape must, *Romanian Biotechnological Letters*, vol 12 (6), 3513-3520.
47. 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 (13) [SPECIAL ISSUE], 4619-4624.
48. 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*, vol. 46, 285-287.

IIb – Scientific articles in journals form IDB (MEDSCAPE – MEDLINE, NCBI, BIOSIS Previews)

1. 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, *Romanian Biotechnological Letters*, vol 26(2): 2548-2559.
2. 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*, vol 25(5): 1998-2007.
3. Csutak O., Simon-Gruita 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: Biotechnology, Vol. XXI, 183-189.
4. Csutak O., **Vassu T.**, Corbu V., Cîrpicî I., Ionescu R. 2017. Killer activity of *Pichia anomala* CMGB 88. *Biointerface research in applied chemistry*, 7(3), 2085-2089.
5. Dumitru C., Bastian A., Popp C., Neagu M., Constantin C., Cioplea M., Nichita L., Andrei R., **Vassu T.**, Zurac S. 2017 Immunohistochemical features of partial regression in cutaneous melanoma–E-cadherin key molecule. *Human and Veterinary Medicine*, 9(4), 166-177.
6. 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*, on-line: http://biointerfaceresearch.com/?page_id=954
7. Chelariu M., Curutiu C., Ditu L.-M., Ionescu D., Ionescu B., Chifiriuc M.C., **Vassu T.**, Lazar V., 2016, Composition of cultivable intestinal microbiota in patients suffering from obesity and type ii diabetes, *Biointerface Research in Applied Chemistry*, on-line: http://biointerfaceresearch.com/?page_id=954
8. Grosu M., Curutiu C., Ionescu B., Ionescu D., Bolocan A., Lazar V., **Vassu, T.**, 2016. Etiology and resistance patterns of uropathogenic strains isolated from ambulatory urinary tract infections. *Biointerface Research in Applied Chemistry*, 6(2), 1180-1182.
9. 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, nr. 3, 1308-1313.
10. Csutak O., Sabău E., Pelinescu D., Corbu V., Cîrpicî I., **Vassu T.**, 2016, Molecular identification and metabolic screening of some yeast strains from foods, *AgroLife Scientific Journal*, vol. 5, nr. 1, 51-58.
11. Csutak O., Cîrpicî 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.
12. 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.
13. Sarbu I., **Vassu T.**, Stoica I., Chifiriuc C. Bucur M., Rusu E., Pelinescu D., 2015, Analysis on the antimicrobial activity of some lactic acid bacteria strains, *Romanian Journal of Infectious Diseases* 18(2): 53-57.
14. 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.
15. Tanase A.-M., Mereuta I., Chiciudean I., Ionescu R., Milea L., Cornea C.P., **Vassu T.**, Stoica I., 2015, Comparison of total DNA extraction methods for microbial community form polluted soil, *Agriculture and Agricultural Science Procedia*, vol. 6, 616 – 622.
16. 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.
17. Rusu E., Sarbu I., Pelinescu D., Nedelcu I., **Vassu T.**, Cristescu C., Musat S., Cojocar M., 2014, Influence of associating nonsteroidal anti-inflammatory drugs with antifungal compounds on viability of some *Candida* strains, *Romanian Journal of Infectious Diseases*, 17 (2), 86-90.
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. Sârbu I., Pelinescu D., Stoica I., Măruțescu L., **Vassu T.**, 2013, Phenotypic profiles of virulence in different *Candida* species isolated from vulvovaginal infections, *Roumanian Archives of Microbiology and Immunology*, vol. 72 (4), 225-233.
21. Ghindea R., Paic A., **Vassu T.**, 2012, Generation of some new mutant xylitol producing yeast strains, *Roumanian Archives of Microbiology and Immunology*, vol. 71 (1), 11-16.
22. Vasile N., Ghindea R., **Vassu T.**, 2011, Probiotics- an alternative treatment for various diseases, *Roumanian Archives of Microbiology and Immunology*, vol. 70 (2), 10-15.
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VII. Invited speaker at international conferences / meetings

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.
3. *Problemes actuels du clonage genetique chez levures – "Cours de Formation Post-Universitaire dans le domaine des Sciences de la Vie"* – CEFOR et Universite Francophone, nov 1999, Bucharest
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

ANNEXE 2

PATENTS LIST

1. Patent no. 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. Patent no. 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. Patent no. 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. Patent no. 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.
European Patent Office - Data supplied from the *esp@cenet* database – Worldwide

5. Patent no. 108251 B1 din 31.03.1993 : *Obtaining procedure for Somatic Hibrid Saccharomyces cerevisiaex Saccharomyces diastaticus-CD.*

Authors: Popovici Stela, Niculescu Stelian, **Vassu-Dimov Tatiana**

ANNEXE 3

NATIONAL PROJECTS/GRANTS

No.	Period	Project title	Role in the project	Project tipe
1.	2000-2001	Genetic characterization, taxonomic identification and improve of lactic acid bacteria useing molecular biology thechique	Director	CNCSIS tip A

2.	2000	Selection and characterization studies on lactic acid bacteria strains for improving feed quality	Director	USAMVB
3.	2000-2001	Yeast strains obtaining with high potential to bioconvert alcohol wastewater	Director	RELANSIN
4.	2001-2003	Research on the biosynthesis, isolation and purification of microbial phytase	Research team member	RELANSIN
5.	2001-2003	Microbiological and genetic analysis of bacterial strains capable to biodegrade aromatic hydrocarbons	Research team member	CNCSIS
6.	2002-2004	Inducible biological processes in single or combined exposures to ionizing radiation, electromagnetic fields or chemicals: mechanisms triggering, modulating factors of effects, biodosimetry tests.	Director	CERES – 6107 /70/2001
7.	2001-2002	Investigations on the evolution of the main parameters of forage plants silos	Director	BIOTECH 567/2000
8.	2002	Activities on the organization and functioning as depositary authority for the purpose of patent procedure, of a national and international collection of microorganisms with biotechnological interest.	Director	RELANSIN
9.	2002-2004	Identification, genetic characterization and taxonomic classification of yeast strains isolated from different ecosystems	Director	CNCSIS tip A
10.	2002-2004	Ecosystems contaminated with hydrocarbons remediation using microbial biotechnological methods	Director	BIOTECH
11.	2002-2005	Natural growth promoter environmentally friendly used as alternative to antibiotics treatment of animal feed	Director	RELANSIN
12.	2003-2005	Advanced Technology for a new multifunctional biomimetic implant (IBM) with biomedical applications	Director	INVENT
13.	2004-2006	Study cell processes at the interface adhesion / biocompatible thin film / substrate with applications to microorganisms and DNA	Director	CERES
14.	2004-2006	Modern methods and techniques for obtaining various microorganisms used in biodegradation of xenobiotic substances in the environment	Research team member	MENER
15.	2003-2004	Computerized analysis of genomic DNA for some strains of biotechnological interest	Director	BIOTECH
16.	2003-2004	Computerized system for genomic analysis of some microorganisms with biotechnological interest	Director	BIOTECH nr 3 –301
17.	2003-2005	Microbiological and genetic studies on microbial consortia isolated from soil and water polluted with quinolona	Research team member	CNCSIS 258/2003
18.	2003-2005	Investigating the effects of low doses of radiation (sublethal) on cell cycle status by monitoring cell cycle	Director	CERES-3- 133/2003 16333/2003
19.	2004-2006	Biotechnological studies of xenobiotic compounds elimination using fungus	Research team member	BIOTECH 4660./2004
20.	2004-2006	Microbiological and molecular markers for studying biodiversity and evaluation of genetic risk factors in ecosystems of the Black Sea NV coast	Research team member	BIOTECH nr 4659/15.10.2004
21.	2004-2006	Molecular studies of microbial strains that degrade hexadecane and dodecane. Molecular analysis of microbial biodiversity	Director	CNCSIS 1143/2004
22.	2004-2006	Ecologic composite material and technology for obtaining	Research team member	BIOTECH
23.	2005-2008	Integrate pathogenetic network (platform) to transform research results in biomedical domain	Project manager	CEEX –VIASAN 28/2005
24.	2005-2008	Biotechnology and molecular research to obtaining probiotic for veterinary use	Director	CEEX –BIOTECH 9/2005
25.	2006-2008	Physiological, biochemical and genetic studies against yeasts pathogenic strains of medical interest	Research team member	TD-GR 206/2006
26.	2006-2007	The impact of mycotoxins produced by Fusarium species on the food chain, investigating ways to counter their toxicity in order to improve the quality and safety standards imposed by EU membership	Project manager	CEEX-AGRAL 25/ 2005
27.	2006-2008	Advanced biotechnologies for obtaining biopreparates to control plants diseases and ensure quality products in accordance with EU requirements	Project manager	CEEX –BIOTECH 52/2006
28.	2006-2008	Biotechnology for obtaining nutraceuticals products which regulate metabolic functions	Project manager	CEEX –BIOTECH 80/1.08.2006
29.	2007-2008	Control of bacterial interaction with human cells on Nanostructured surfaces: strategies for developing Intelligent surfaces	Project manager	CEEX –RELANSIN 119/2066

30.	2007-2008	Genetic, biochemical and molecular studies in order to improve methylotrophic yeast strains for biotechnological applications	Research team member	CNCSIS 1668/2007
31.	2007-2008	Development of advanced biocatalytic systems for transesterification of vegetable oils to biodiesel	Project manager	PN II 61-063/2007
32.	2007-2010	Investigation, monitoring and decontamination of chemical and microbiological type of dinitrophenol-derivatives, the major organic pollutants in the environment	Research team member	PNII 31-017/2007
33.	2007-2010	Integrated system to reduce contamination with fungi and mycotoxine in bakery industry in order to increase food safety	Research team member	PN II-51-005/2007
34.	2007-2010	Biotechnological studies on obtaining natural synbiotic products	Project manager	PNII- 6147/2007
35.	2008-2011	Advanced technology based on genetically modified organisms to produce xylitol, for human health and for prevent disease	Project manager	PNII 62-064/2008
36.	2008-2011	Biotechnology research on obtaining probiotic products based on high-producing bacteriocine as bioregulator of human intestinal microflora	Project manager	PNII 62-050/2008
37.	2008 - 2011	Biodiversity of yeasts with biotechnological applications - Molecular analysis of the genome and metabolic studies	Research team member	IDEI 985/2009
38.	2008 - 2011	Molecular studies on microorganisms and on microbial consortia that degrade oil	Research team member	IDEI 1029/2009
39.	2010 - 2013	The molecular study for mechanisms of antimicrobial activity of probiotic strains against urogenital infectious agents by location	Research team member	TE 66/2010
40.	2012 -2016	Inovative, multidisciplinary research to investigate the probiotic effects of new lactic acid bacteria strains and consortia	Research team member	PN-II-PT-PCCA 77/2012
41.	2012 -2016	Selection of novel functional lactic acid bacteria from plant origin materials, with potential applications in food biotechnology	Research team member	PN-II-PT-PCCA 105 /2012

ANNEX 4

INTERNATIONAL PROJECTS/GRANTS

No.	Period	Project title	Role in the project	Project tipe
1	1998-2003	Studies on quinolinic pollutants biodegradation by bacterial consortia and pure strans – biochemical and genetic analysis of xenodegradative process.	Research team member	CNCSIS – World Bank