

Scientific Activity

PhD Thesis

Researches concerning glucose isomerase production with selected streptomicetes

Books and book chapters

Bahrim G., *Spices*. In: Costin G.M. ed. *Organic Food* , cap. 10.6., pp. 380-406, Editura Academica, Galati, Galati, ISBN 978-973-8937-39-0

Dan V., **Bahrim G.**, Nicolau A., 2008, *Food Microbiology*. In: Banu C. ed. *Food processing*, cap 1., vol. II, pp.15-172, Ed. ASAB Bucuresti, ISBN: 978-973-7725-62-2

Bordei D, **Bahrim G.**, Paslaru V, Gasparotti C, Elisei A, Banu I, Ionescu L, Codina G, 2007, *Quality control in bread making. Analytical techniques*. Ed. Academica Galati ISBN 978-973-8937-27-7

Banu C, Ionescu A, **Bahrim G.**, Dorin SS, Vizireanu C., 2006, *Biochemistry Microbiology and Parasitology of Meat*. Ed. Agir Bucharest, ISBN 973-720-068-3

Banu, C. coordonator, 2006, *Food Science and Technology Dictionary*. Ed. Agir, Bucharest, ISBN 973-720-079-2

Gabriela Bahrim, Gheorghe Miron Costin, 2005, Starter cultures of lactic bacteria used in fermented dairy product biotechnology. pp. 12-85, In: Costin G.M. (editor) *Fermented Dairy Product*. Ed Academica Galati, ISBN 973-8316-85-5

Bahrim G., 2004, *Industrial Biotechnology*, Ed. Academica Galati, ISBN 973-8316-49-9

Bahrim G., 2003, Starter cultures, pp. 214-266, 52 pg., în: Costin G.M. (ed) *Fundamentals of Cheese Science*. Ed. Academica Galati, ISBN 973-8316-65-0

Bahrim G., 2003, Microbiological control of cheese, pp. 233-247 In: Costin G.M. (ed) *Fundamentals of Cheese Science*., Ed. Academica Galati, ISBN 973-8316-65-0

Dan V., **Bahrim G.**, Nicolau A., 2002, Food Microbiology, pp.13-185, 172 pg., In Banu C. (ed) *Food Engineering*, Vol II, Ed. Tehnica, Bucharest, ISBN 973-31-2071-5

Bahrim G., Nicolau A., 2002, *Enzyme Biotechnology* , Ed. Academica Galați, ISBN 9738316-31-6

Bahrim G., Nicolau A., 200, *Enzyme Biotechnology. Laboratory Manual*. Ed. Academica Galati, ISBN 973-8316-30-8, 102 pg.

Segal R., Muscă L., Vață C., Lungu C. Rubțov S. **Bahrim G.**, Nicolau A. Georgescu L., Bahaciu G., Pancu M., Staciu N, 2002, Dictionary Food Biochemistry and Microbiology vol. IAL 1, Ed. of Romanian Academia, ISBN 973-27-0935-9 and Ed. Agir, Bucharest,, ISBN 973-8466-21-0

Tofan C., **Bahrim G.**, Nicolau A., Zara M., 2002, *Laboratory Methods in Food*

Microbiology, Ed. Agir Bucharest, ISBN 973-8130-89-1

Bahrim Gabriela, 1999, *Industrial Microbiology*, Ed. Evrika, Braila, ISBN 973-9499-96-8

Valentina Dan, Cristina Kramer, **Gabriela Bahrim**, Anca Nicolau, Margareta Zara, 1999, *Yeast Guide. A Laboratory Manual*.Ed. Evrika, Braila, ISBN 973-9499-86-6

Valentina Dan, Cristina Kramer, **Gabriela Bahrim**, Anca Nicolau, Margareta Zara, 1999, *Guide to study of moulds*. Ed. Evrika, Braila ISBN 973-9499-89-9

Patents

Dan Valentina, Teodorescu Fotini, Nicolau Anca, Toma Maria, **Gabriela Bahrim**, *Lipoxygenase and amylase complex production by a selected yeast strain*. Patent No. 119468-B1, 2005

Dan V., **Bahrim G.**, Nicolau A., *Proteases and amylases production of a Bacillus sp. selected strain*. Patent No. RO14150-B, 1999

Valentina Dan, **Gabriela Bahrim**, *Process for the production of glucose isomerase* , Patent No.102781-A, 1991

Scientific papers

Gigi Coman, Mihaela Cotarlet, **Gabriela Bahrim**, Peter Stougaard, 2008, Increasing the efficiency of screening streptomycetes able to produce glucanases by using insoluble chromogenic substrates, *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 6, supplement, pp 20-25, ISSN 1224-5984

Rapeanu G., Parfene G., Horincar V., Polcovnicu C., Ionescu L., **Bahrim G**, 2008, Confirmation and indentification of *Listeria* species from fresh lettuce. *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 6, supplement 2008, pp 32-35, ISSN 1224-5984

Rodica DINICĂ, Bianca FURDUI, **Gabriela BAHRIM** et Martine DEMEUNYNCK, 2008, New heterocycles precursors with biologic interest, *Revue Roumaine de Chimie*, 53(1), pp. 21–24, ISSN 0035-3930 <http://web.icf.ro/rrch>

Rapeanu G., Bolocan A., Gazi I., **Bahrim G.**, 2008, Metabolic activity stimulation of the wine yeasts by polyphenols extracted from red grapes. *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 5, supplement, pp. 9-16, ISSN 1224-5984

Cretu R., **Bahrim G.**, Dima St., Olteanu M., 2008, Evaluation of physical and chemical characteristics of yellow colorant produced by *Epicoccum nigrum* MIUG 2.15 in crude extracts and emulsions. *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 5, supplement, pp. 59- 68, ISSN 1224-5984

Mihaela Cotarlet, Teodor Negoită, **Gabriela Bahrim**, Peter Stougaard, 2008, Screening of polar streptomycetes able to produce cold-active hydrolytic enzymes using common and chromogenic substrates, *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 5, supplement, pp 69-80, ISSN 1224-5984

Gazi I., **Bahrim G.**, Dinica R., Demeunynck M., 2008, In vitro antimicrobial activity evaluation of new nitrogen heterocycles derivates from acridine. *Romanian Biotechnological Letters, Special issue edited for International Conference on Industrial Microbiology and Applied Biotechnology*, vol. 13, no 5, supplement, pp. 87-92, ISSN 1224-5984

Mihaela Cotarlet, Teodor Negoită, **Gabriela Bahrim**, Peter Stougaard, 2008, Cold-adaptation and alkaline hydrolytic proprieties of the polar streptomycetes prediction on plate assay, based on insoluble chromogenic substrates with azurine cross-linked, *The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology*, New Series, Year I (XXXI), pp. 17–22, ISSN 1843 – 5157

Mihaela Palela, George Ifrim, **Gabriela Bahrim**, 2008, Microbiological and biochemical characterisation of dairy and brewery wastewater microbiota. *The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology*, New Series, Year I (XXXI), pp. 23–30. ISSN 1843 - 5157

Dima Stefan, Bahrim Gabriela, 2007, Intelligent invertase micro and nanocapsules make and use, *Romanian Biotechnological Letters*, 12(3), pp.3287-3293, ISSN 1224-5984
[Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®](#)

Bianca Furdui, **Gabriela Bahrim**, Rodica Dinică, Ioan Druță, Martine Demeunynck, 2007, In vitro antimicrobial activity of the new nitrogen heterocycles derivates from 4,4'-bipyridine. *Roumanian Biotechnological Letters*, 12 (1), pp.3073-3078, ISSN: 1224-5984
[Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®](#)

Romică Cretu , **Gabriela Bahrim**, Dima Stefan, Mihaela Olteanu, 2007, Natural colorants stabilisation by immobilization in oil emulsions, *Romanian Biotechnological Letters*, 12 (5), pp. 3403-3408, ISSN 1224-5984 [Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®](#)

Bahrim G, Scintee M., Negoita T, 2007, Biotechnological conditions of amylase and protease complex production and utilisation involving filamentous bacteria, *The Annals of the University Dunarea de Jos Galati, Fascicle IV-Food Technology*, New Series, Year I (XXX), pp.76-82, University Press Galati, ISSN 1843-5157, [Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®](#)

Stefan Dima, **Gabriela Bahrim**, Monica Murarescu, 2006, Kinetic Study on the Preparation Reaction of Carbanion Monosubstituted Phtalazinium Ylides. *Revue Roumaine de Chimie*, 52(1), pp. 61-67, Editura Academiei Romane, ISSN: 0035-3930 [ISI Web of Science®](#) ; Subject Category : Chemistry, Multidisciplinary ; [ISD Number 052LJ; Indexata in baze de date internaționale: CODEN: RRCHAX ISSN: 0035-3930. AN 2006:587365](#), [Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®](#)

M. Jitaru, M. Toma, **G. Bahrim**, 2006, Donnees voltametriques sur les colorants alimentaires synthetiques et naturels. Determinations electrochimique et etude de la stabilite redox. *Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry*, VII (3), pp.691-699, ISSN 1582-540X [Indexata in baze de date internaționale: CHEMICAL ABSTRACTS \(SUA\), VINITI \(RUSIA\), CSA \(SUA\), GRISEMINE \(FRANTA\)](#)

V. Barbu, **G. Bahrim**, F. Soptica, C. Socaciu, 2006, Modification par mutagenese chimique du potentiel de biosynthese du complex carotenes-flavonoides sur l' *Epicocum nigrum* MIUG 2.15. *Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry*, VII (3), pp.683-691, ISSN 1582-540X [Indexata in baze de date internaționale: CHEMICAL ABSTRACTS \(SUA\), VINITI \(RUSIA\), CSA \(SUA\), GRISEMINE \(FRANTA\)](#)

Bahrim Gabriela, Raducan, Adina Liana, Dima Stefan, 2005, Characterization and catalytic properties of glucose isomerase from *Streptomyces griseus* strain MIUG

4.46. *Revue Roumaine de Chimie*, 50(4), pp. 305-309, Editura Academiei Romane, ISSN: 0035-3930 [ISI Web of Science®](#): Subject Category : Chemistry, Multidisciplinary ; ISD Number 96XX ; CODEN: RRCHAX ISSN: 0035-3930. AN 2005:1083476 Explored by Author in CAPLUS and MEDLINE; ACS on SciFinder®

Florin Şoptică, **Gabriela Bahrim**, 2005, Influence of light upon flavonoid yields in *Epicoccum nigrum* solid state fermentation. *Roumanian Biotechnological Letters*, 10(5), pp. 2387-2394, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984. AN 2006:139750 CAPLUS. Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Gabriela Bahrim, Mihaela Gagi, 2005, Variability in the amylase biosynthesis at a *Bacillus* strain by varying fermentative medium composition. *The Annals of the University "Dunărea de Jos" of Galaţi, Fascicle VI FOOD TECHNOLOGY*, p. 73-76, ISSN 1221-4574 CODEN: AUDJBF ISSN: 1221-4574. AN 2006:365915; CAPLUS ACS on SciFinder®

Gabriela Bahrim, Teodor Negoită, 2004, Effect of inorganic nitrogen and phosphorous sources on hydrolase complex production by a selected *Bacillus subtilis* polar strain. *Roumanian Biotechnological Letters*, 9 (6), pp. 1925-1932, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984. CAN 143:284760 AN 2005:306279; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Gabriela Bahrim, Mariela Ghetu, 2004, Improvement of *Aspergillus niger* invertase production in stationary fermentative system. *Roumanian Biotechnological Letters*, 9(6), pp. 1933-1938, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984, CAN 143:265523 AN 2005:306280 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Popa G., **Bahrim G.**, Segal R., 2004, The effect of some antioxidants on the kinetic multiplication and viability of the starter cultures of yeasts associated with wine-making, *Buletinul Universităţii de Ştiinţe Agricole şi Medicină Veterinară Cluj-Napoca* (Special issue 3rd International Symposium Prospects for 3rd Millenium Agriculture, 20-23 October), vol. 60, pp.489, Academic Press, Cluj Napoca, România, ISSN 1454-2382 [ISI ProceedingsSM](#) ISD Number: BDD14

Gabriela Bahrim, 2004, Agricultural biowaste as resources for fodder yeast additives development. *Roumanian Biotechnological Letters*, 9(4) , pp. 1751-1757, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984. AN 2005 CAPLUS. Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Gabriela Bahrim, F. Şoptică, 2004, Correlative effect of solid media on yellow pigmentogenesis at an *Epicoccum* sp. strain. *Roumanian Biotechnological Letters*. 9(4), pp.1757-1763, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984. AN 2005 CAPLUS. Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Bahrim G., Florea T., 2004, L'effet de certains agents tensioactifs sur la biosynthese de l'alpha-amylase bactérienne. *Actes du troisième Colloque Franco-Roumain de Chimie Appliquée, COFrRoCA-2004*. pp.166-169, Ed Alma Mater Bacău (ISBN 973-8392-36-5), Tehnica-Info Chisinau (ISBN 9975-63-183-5) CODEN: 69GFCG, CAN 143:188917 AN 2004:1043792 Explored by Author in CAPLUS and MEDLINE; ACS on SciFinder®

Dima S., **Bahrim G.**, Ghetu M., 2003, A new procedure for the bioencapsulation of the enzymes with hydrocolloids. *Annals of West University of Timisoara, Series Chemistry, An International Journal*, 12(3), pp.857-862, ISSN 1453-7672 CODEN: AWTCFO ISSN: 1224-9513. CAN 142:235482 AN 2004:804251 CAPLUS; Explored by Author in CAPLUS

and MEDLINE; CAPLUS ACS on SciFinder ®

Gabriela Bahrim, Elisabeta Botez, Valentina Dan, 2000, Preliminary study on effect of two independent variables on the yeast biomass production in batch culture. *Acta Universitatis Cibiniensis, Seria F Chemia*, Vol.2, nr.2, pp.75-85, ISSN 1221-4981 CODEN: AUCSC4, CAN 135:343389, AN 2001:613804 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder ®

Qin Cuan Guang, V. Dan; **G. Bahrim**; A. Nicolau, 2000, Biotechnology of carotenoid production with selected filamentous fungi. *Biotechnology (China)*, vol.10, No1, pp.13-16, ISSN 1004-311X , <http://swjs.periodicals.com.cn/gikan/periodical>

Qin Cuan Guang, V. Dan, **G. Bahrim**; A. Nicolau, 1999, Extracellular Invertase Produced by *Aspergillus niger* MIUG 1.15. *Biotechnology (China)*, vol. 9, No.2, pp.14-16, ISSN 1004-311X <http://swjs.periodicals.com.cn/gikan/periodical>

Qin Cuan Guang, **G. Bahrim**, 1998, Extraction of intracellular glucose isomerase produced by *Streptomyces* MIUG 4.46. *Biotechnology (China)*, vol.8, no.6, pp.18-21, ISSN 1004-311X <http://swjs.periodicals.com.cn/gikan/periodical>

Gabriela Bahrim, Valentina Dan, 1998, *Streptomyces* MIUG 4.46 Cell-Free Glucose Isomerase Extraction Procedures. *Științe și tehnologii alimentare*, Vol IV, pp.53-55, ISSN 1222-0000 CODEN: STAIEL ISSN: 1222-0000. CAN 131:43798 AN 1999:236792 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Valentina Dan, Segal Brad, **Gabriela Bahrim**, Qin Cuan Guang, 1995, Flavouring oil effects on food protection. *Științe și tehnologii alimentare*, vol 3, nr.1, pp. 18-22, ISSN 1222-0000 CODEN: STAIEL ISSN: 1222-0000 CAN 123:226439 AN1995:647362 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS onSciFinder®

Gabriela Bahrim, Valentina Dan, Vijalakashmi M.A., 1996, One step purification of *Streptomyces* D-glucose isomerase by using immobilized metal-ion affinity chromatography. *Roumanian Biotechnological Letters*, 1(2), pp. 147-156, ISSN: 1224-5984 CODEN: RBLEFU ISSN: 1224-5984 CAN 126:222114 AN 1997:154488 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder®

Valentina Dan, **Gabriela Bahrim**, Silvia Rubțov, 1992, Manufacture of sweetening agents by biotechnological methods, *Sadovodstvo Vinogradarstvo I Vinodelie Moldavy*, 5/6, pp.19-21, CODEN: SVVMEG CAN 119:202053 AN 1993:602053 CAPLUS; Explored by Author in CAPLUS and MEDLINE; CAPLUS ACS on SciFinder® **Food Science Technology Abstracts**, 12 B 125, vol. 25, nr. 12, 1993

Contributions to scientific conferences (published)

Bahrim Gabriela, Negoita Teodor, 2007, Antarctic Soils Bacteria a Source of Enzymes as Bioremediation Agents. *CIGR Section VI International Symposium on Food and Agricultural Products: Processing and Innovations*, Naples Italy, 24-26 September 2007 <http://www.aidic.it/3CIGR>

Bahrim G ., Negoită, T. Gh., 2007, *Streptomyces* strains from East Antarctic soils as tyrosinase producers. *The VI Argentine and III Latin-American Symposium on Antarctic Research*, Buenos Aires, Argentina, September 10-14 2007. *VI Argentine and III Latin-American Symposium on Antarctic Research Proceeding*, ISSN 1851-555X <http://www.dna.gov.ar/CIENCIA/SANTAR07/CD/PDF/CVAUT1.HTM>

Bahrim G ., Negoită, T. Gh., 2007, Antarctic bacteria as good producers of Industrial interest enzymes, *The VI Argentine and III Latin-American Symposium on Antarctic*

Gabriela Elena BAHRIM- Scientific Activity

Last update 12.02.2009

Research, Buenos Aires, Argentina, September 10-14 2007. VI Argentine and III Latin-American Symposium on Antarctic Research Proceeding, ISSN 1851-555X <http://www.dna.gov.ar/CIENCIA/SANTAR07/CD/PDF/CVAUT1.HTM>

Bahrim G., Socaciu C., 2006, Making a safe and functional food colorant by fungal sources. 13th World Congress of Food Science and Technology: FOOD IS LIFE. Nantes, France, September 17-21, p.255-256 http://www.gp3a.auf.org/IMG/pdf/IUFOST_Nantes_06.pdf

M.L. González-Sanjósé, M.M. Bleoju, **G. Bahrim** and P. Muñoz, 2006, Studies about the extraction and colorant potential of the pigment produced by the fungi *E. nigrum*. 4th International Congress on Pigments in Food. Pigments in Food – A Challenge to Life Sciences. Stuttgart-Hohenheim Germany, October Research Proceeding 9-12, pp. 191-193, ISBN:3-8322-5479-X <http://pigmentsinfood2006.uni-hohenheim.de>

Dima St, Cretu R., **Bahrim G.**, 2006, Influence du pH sur l' evaluation de la couleur des emulsions alimentaires. Acte du quatrieme Colloge Franco-Roumain de Chimie Appliquee, CoFroca-2006, Clermont-Ferrand, France. Ed. Alma Mater Bacau, ISBN 973-8292-17-9, pp. 306-307, http://www.ensc-lille.fr/actu/cofroca/cofroca_1.html

G. Bahrim, G Rapeanu, F.Soptica, N. Croitor, Al Ana, M.Bulancea, 2005, Plant and Fungal Flavonoids as Potential Functional Food Additives. Innovations in Traditional Foods. INTRAFood 2005, 25-28 October Valencia Spain. Congress Proceedings edited by Pedro Fito and Fidel Todrá, vol II, Elsevier, p.1155-1158, ISBN 84-9705-879-8; 84-9705-881-X, <http://www.iffost-conference.elsevier.com/index.htm>

G. Rapeanu, **G. Bahrim**, F. Soptica, M. Bulancea, 2005, Extracts of some Traditional Flavouring Plants as Potential Food Preservatives. Innovations in Traditional Foods. INTRAFood 2005, 25-28 October Valencia Spain. Congress Proceedings edited by Pedro Fito and Fidel Todrá, vol II, Elsevier, p.1265-1268, ISBN 84-9705-879-8; 84-9705-881-X, <http://www.iffost-conference.elsevier.com/index.htm>

Bahrim Gabriela, Rapeanu Gabriela, Soptica Florin, Ionescu Luminita, 2004, Perspectives to Overcoming Pesticide Pollution in Romania. 5th EurSafe Congress, September 2-4, Leuven, Belgium, pp. 204-208, www.kuleuven.ac.be/cabme/page.php

Bahrim G., 2004, Potentiel du *Candida* sp. de métaboliser le xylose - perspectives de la bioconversion des residus hemycellulosiques. Actes du Seminaire d'Animation Régionale, Agence Universitaire de la Francophonie (Region Europe Centrale et Occidentale), SAR-2004, Université Technique de Moldavie. pp.207-212, Ed. Technica Info Chişinău, Republica Moldova, ISBN 9975-63-233-5, http://www.gp3a.auf.org/affiche_chisinau.html

Darabă A., **Bahrim G.**, 2004, Effet du traitement avec des bactéries lactiques sur les caracteristiques microbiologiques de la viande emballée sous vide. Actes du Seminaire d'Animation Régionale, Agence Universitaire de la Francophonie (Region Europe Centrale et Occidentale), SAR-2004, Université Technique de Moldavie, pp.330- 334, Ed. Technica Info Chişinău, Republica Moldova, ISBN 9975-63-233-5 http://www.gp3a.auf.org/affiche_chisinau.html

Bahrim G., 2003, Single cell protein production on agricultural residues with selected *Candida* strains. Food Science, Technique & Technologies, 50 years University of Food Technologies - October 15-17, Plovdiv, Bulgaria. Scientific Works, Volume L, Issue 3, pp. 134-139, ISSN 047-0250

Bahrim G, Soptică Florin, Ploscuţanu Daniel, Mihai Popa, 2003, Screening of solid media

for high fungal pigmentogenesis. *Food Science, Technique & Technologies*, 50 years University of Food Technologies - October 15-17, Plovdiv, Bulgaria, *Scientific Works*, Volume L, Issue 3, pp.129-133, ISSN 047-0250

Darabă A., Banu C., **Bahrim G.**, Alexe P., Lungu C., 2003, The study of antimicrobial potential of lactic acid bacteria isolated from vacuum packaged pork meat. *Food Science, Technique & Technologies*, 50 years University of Food Technologies - October 15-17, Plovdiv, Bulgaria. *Scientific Works*, Volume L, Issue 2, pp. 264-270, ISSN 047-0250

Bahrim, G., Nicolau, 2003, A. Rapid Methods for Assessing Microbiological Quality of Foods-Necessity and Principles. *The First International Symposium on Food Quality Management for East European Countries (FQM)*, 27-29 July, Cluj-Napoca, România, pp. 176-181, Ed. AcademicPress, ISBN 973-7950-40-2

Nicolau A., **Bahrim G.**, 2003, Practical Suggestion for creating the Romanian Food Authority. *The First International Symposium on Food Quality Management for East European Countries (FQM)*, 27-29 July, Cluj-Napoca, România, pp.275-278, Ed. AcademicPress, ISBN 973-7950-40-2

Gabriela Bahrim, Anca Nicolau, Mihai Popa , 2002, Fungal carotenoids production by solid state fermentation system. *International Congress on Pigment in Food – Functionalities of pigments in food*. 11-14 June Lisbon, Portugal, FECS Event N°258, pp.351-354 <http://www.chemsoc.org/pdf/enc/fecs258.pdf>

Gabriela Bahrim, Valentina Dan, 1999, Biotechnological properties of xylose isomerase produced by *Streptomyces* sp. MIUG.4.46. *International Conference to commemorate the 4th anniversary of the University of Russe, Bulgaria* vol.37, no.10 (Chemistry, Biology and Biotechnology), ISSN 1311-3321, pp.5-10, www.ru.acad.bg/conference/s10.htm

Dan Valentina, Nicolau Anca,, **Bahrim Gabriela**, 1997, Improvement of yeast biotechnological properties. *The 36th SCIENCE WEEK*, Supreme Council of Science Syrian Arab Republic, Siria, Book 3, part. I, pp. 243-255

Poster presentations

T.Gh. Negoita, **G. Bahrim**, M. Cotarlet, W. Wenliang, M. Sidorof, 2008, Microbiological study of grove mountains soils, *EAST ANTARCTICA Polar Research - Arctic and Antarctic Perspectives in the International Polar Year*, July 8 – 11, St.Petersburg, Russia

Bahrim, G., Negoita, T. Gh., Cotarlet, M. 2008. *Antarctic soils, resources of microorganisms with biotechnological properties*. European Geosciences Union Conference, SSS24 Soil microbial activity. Assessment, monitoring and modeling, Geophysical Research Abstracts, Vol. 10, EGU2008-A-11212, 2008, SRef-ID: 1607-7962, 13–18 April, Vienna, Austria

Petre Popescu, Petre Paraschiv, Teodor Gh. Negoita, Mihaela Cotarlet, Paul Andrei Iordache, **Gabriela Bahrim**, Toparceanu F., 2008, *Romanian Scientific Activities in Polar Areas in Cooperation with U.S./National Science Foundation and Denmark/Copenhagen University – Life Sciences Faculty Greenland 2008*, Antarctic Treaty Consultative Meeting, 2-13 June, Kyiv, Ukraine, IP 66 rev. 1

Negoita, T. Gh., Cotta, M., Cotarlet, M., **Bahrim, G.**, Wenliang, W., 2008, *Grove Mountains, East Antarctica - between scientific research and environmental protection*, Antarctic Treaty Consultative Meeting, 2-13 June, Kyiv, Ukraine, IP 64

Rapeanu G., Bunea A., **Bahrim G.**, Bulancea M., 2008, Occurrence of ochratoxin A in wines from Romanian market. *First European Food Congress. Food-Nutrition-Healthy Consumers*, 4-9 November, Ljubljana, Slovenia, Organized by EFFOST, Administration

by Elsevier, www.foodcongress.eu

Rapeanu G., Parfene G., Horincar V., **Bahrim G.**, 2008, Incidence of *Listeria* spp. On fresh lettuce from Romanian market. *First European Food Congress. Food-Nutrition-Healthy Consumers*, 4-9 November, Ljubljana, Slovenia, Organized by EFFOST, Administration by Elsevier, www.foodcongress.eu

Bahrim G., Negoita T. Gh., Cotta M., Stefanic Gh, 2007, Participation of Romanian Scientists in the International Polar Year 2007-2008, *XXXth Antarctic Treaty Consultative Meeting, ATCM 14-Scientific Activities*, New Delhi, India, 30 April to 11 May, 2007, IP 90

Negoita, T. Gh., **Bahrim G.**, Stroia A., Toparceanu F., Stefanic Gh., Gheorghita N., Dumitrescu N. C., 2007, Romanian Antarctic Activities in Law-Racovita Station, Australian-Romanian 69°23'16"S, 76°22'47"E, *XXXth Antarctic Treaty Consultative Meeting, ATCM 14-Scientific Activities*, New Delhi, India, 30 April to 11 May, 2007, IP 92

Mihaela Cotarlet, Teodor Negoită, **Gabriela Bahrim**, 2007, Polar bacteria-enzyme sources for bioremediation. Polar Research Workshop – *The 2nd International Symposium of Polar Scientific Research* Organized by Romanian Polar Research Institute. European Science Foundation German Institute For Polar and Marine Research „Alfred Wegener”, Romanian Academy Meeting Hall, 16-17 November 2007 Bucharest

Romica Cretu, Mihaela Olteanu, Stefan Dima, **Gabriela Bahrim**, 2006, Food Colorants Immobilization by Emulsification/External Gelation Method. *CIGR International Symposium, Future of Food Engineering*, Warsaw, Poland, Collection of Extent Abstracts, CIGR International Conference Warsaw, Poland April 26-28, p.40

Gabriela Bahrim, Teodor Gh. Negoita, Florin Şoptica, 2006, Microbiota of Antarctic soils, resources of microorganisms with biotechnological properties, *FIRST NATIONAL SYMPOSIUM ON POLAR SCIENTIFIC RESEARCH, INTERNATIONAL POLAR YEAR 2007-2009*, University „Politehnica” of Bucharest, Faculty of Energetics, Dean Hall, 15 – 16 November, Bucharest, Romania

Gabriela Bahrim, Teodor Gheorghe Negoita, Mihaela Cotta and Minghong Cai, 2006, Effect of certain tensides on the α-amylase biosynthesis with Antarctic *Bacillus subtilis* strains by solid state fermentation. *FIRST NATIONAL SYMPOSIUM ON POLAR SCIENTIFIC RESEARCH, INTERNATIONAL POLAR YEAR 2007-2009*, University „Politehnica” of Bucharest, Faculty of Energetics, Dean Hall, 15 – 16 November, Bucharest, Romania

Gabriela Bahrim, Teodor Gheorghe Negoita and Minghong Cai, 2006, Preliminary screening to put into evidence the tyrosinase production potential of some *Streptomyces* sp. strains isolated from East Antarctic soil. *FIRST NATIONAL SYMPOSIUM ON POLAR SCIENTIFIC RESEARCH, INTERNATIONAL POLAR YEAR 2007-2009*, University „Politehnica” of Bucharest, Faculty of Energetics, Dean Hall, 15 – 16 November 2006, Bucharest, Romania

Iulia Ionita Bleoanca, **Gabriela Bahrim**, 2006, Microorganisms's response to the induced stress of climate changes, *FIRST NATIONAL SYMPOSIUM ON POLAR SCIENTIFIC RESEARCH, INTERNATIONAL POLAR YEAR 2007-2009*, University „Politehnica” of Bucharest, Faculty of Energetics, Dean Hall, 15 – 16 November, Bucharest, Romania

Negoita T, Popa C, Toporiceanu F, Iftimescu D, **Bahrim G**, Ionita D, 2005, Romanian Scientific Antarctic Activities 2005-2006. *Scientific Program Summary in cooperation with Australia XXVIII ANTARCTIC TREATY CONSULTATIVE MEETING* Stockholm Sweden 6

- 17 June 2005

Bahrim G, Negoita T.G, Minghong C., 2004, *The effect of some surfactants on amylase production with Bacillus subtilis polar strains in solid-state fermentation system*, XXVIII SCAR Open Science Conference, Bremen Germany, Abstract S1/O29, www.scar28.org/SCAR/SCARmeeting/Wednesday/PDF/S_01oral.pdf

Bahrim G, Negoita T.G, Minghong C., 2004, Preliminary screening to put into evidence the potential to produce tyrosinase of some *Streptomyces* sp. strains isolated from east antarctic soils. XXVIII SCAR Open Science Conference, Bremen Germany, Abstract S1/P, www.scar28.org/SCAR/SCARmeeting/Wednesday/PDF/S_01_poster.pdf

Gabriela Bahrim, Aura Darabă, Teodor Negoită and Adrian Covaci, 2004, Predictive pesticides cometabolism in soils from the East Antarctic coast. *4th International Symposium on Environmental Aspects of Pesticide Microbiology „ PESTICIDES, SOIL MICROBIOLOGY, MICROBIAL FUNCTIONS AND DIVERSITY”* 4-9 September Aristotle University of Thessaloniki, www.auth.gr/research/conf/4thiceapm/Third/Third.htm

Bahrim G., 2003, Use metal-affinity separation for xylose isomerase purification, 2nd Black Sea Basin Conference on Analytical Chemistry, 14-17 September, Şile-Istanbul, Turkey, pp.144

Bahrim G., Soptica F., 2003, A Course In Environmental Biotechnology: An Upgrade of Romanian Education, *Workshop on using E-learning in the Fields Food Safety and Environment. Organized by the ISEKI-Food (Integrating Safety and Environmental Knowledge Into Food Studies towards European Suitable Development)* Socrates Thematic Network , Malta, <http://www.esb.ucp.pt/iseki/>

Gabriela Bahrim, Teodor Gheorghe Negoita, 2002, Study of tyrosinase biosynthesis potential of some *Streptomyces* sp. strains isolated from Antarctic soils. *Workshop on Changes of the Polar Ecosystem 3rd Annual Meeting of Polar Section of the Czech Geographical Society Nove Hradý* , 2-5 October Czech Republic, <http://home.tiscali.cz:8080/polarsection/contributions>

Gabriela Bahrim, Teodor Negoita, 2002, Mathematical Modeling of Growth and Biomass Production in Culture by selected *Candida* Strain Isolated from East Antarctic Soils. *Workshop on Changes of the Polar Ecosystem - 3rd Annual Meeting of Polar Section of the Czech Geographical Society Nove Hradý*, 2-5 October Czech Republic, <http://home.tiscali.cz:8080/polarsection/contributions>

Vasilica Barbu, Valentina Dan, **Gabriela Bahrim**, 2001, *The variation of the microflora in technological process of producing germinated wheat-flakes*. 3rd International Conferences of PHD Students, Natural Science, 13-19 August University of Miskolc, Hungary

Gabriela Bahrim, Valentina Dan, Teodor Negoită, 2001, Studies on the Amylase Biosynthesis Potential of *Bacillus* sp. strain isolated from East Antarctic Soils. *VIII SCAR International Biology Symposium – Antarctic Biology in a Global Context*, August 27-September, Vrije Universiteit, Amsterdam, The Netherlands, abstract S3P87

Gabriela Bahrim, Valentina Dan, Teodor Negoită, 2001, The Use of Response Surface Methodology to Study the Growth Performances of a Selected Polar Yeast. *VIII SCAR International Biology Symposium – Antarctic Biology in a Global Context*, August 27-September 1, Vrije Universiteit, Amsterdam, The Netherlands, abstract S3P86

Nicolau, **G. Bahrim**, M. Zara, V. Dan, 2001, Predictive microbiological method to

establish the shelf life of pasteurized milk. *1st Black Sea basin Conference on Analytical Chemistry*, 11-15st September, Odessa, Ukraine, pp. 49-50

V.Dan, **G. Bahrim**, A. Nicolau, A.Dabija, 2001, Stimulation of induced α -glucosidase activity at *Saccharomyces cerevisiae* and its biotechnological implications, *Romanian Journal of Biochemistry*, vol. 38, no 1. Special Issue *2th International Meeting of Romanian Society of Biochemistry and Molecular Biology*, 27-28 September, Cluj-Napoca, România pp. 69, BDI Ingenta connect, www.ingentaconnect.com/content/docdel/art1015993086

Gabriela Bahrim, 1998, The IMAC techniques for the purification of xylose isomerase from *Streptomyces*. *Revue Roumaine de Biochimie*, vol 35, no 1-2. Special ISSUE *First International Meeting of the Romanian Society of Biochemistry and Biotechnology*, 24-26 September, Bucureşti, Romania, pp.169

Valentina Dan, Anca Nicolau, **Gabriela Bahrim**, 1998, Researches concerning β -carotene production. *Revue Roumaine de Biochimie*, vol 35, no 1-2. Special ISSUE *First International Meeting of the Romanian Society of Biochemistry and Biotechnology*, 24-26 September, Bucureşti, Romania, pp.187

Valentina Dan, **Gabriela Bahrim**, Anca Nicolau, 1998, New food colorants rich in β -carotene from microbial sources, *The 6th Panhellenic Conference of Greek Institute of Food Scientist and the 3rd Panhellenic Conference of Greek Society of Nutrition and Foods*, Thessaloniki Greece, pp.75