

SCIENTIFIC PAPERS

A. Title of thesis: “Study of the microbiological and biochemical processes that define the malolactic fermentation of the wines obtained in the vineyards of western Romania”, University of Craiova, Field Horticulture, PhD Supervisor Prof. Dr. eng. Marin Gheorghita.

B. Books and chapters in books published:

B1 Nicolae Rusănescu, **Ionel Popescu, 2005** – Machinery and equipment catering and tourism, „Aurel Vlaicu” University Publishing Arad, ISBN 973-8363-75-6, 210 pages.

B2 Daniela Diaconescu, **Ionel Popescu-Mitroi, 2006** – Technologies, equipment and calculations in the brewing industry, „Aurel Vlaicu” University Publishing Arad, ISBN 973-752-089-0, 326 pages.

B3 **Ionel Popescu-Mitroi, 2009** – Basics of malolactic fermentation biotechnology, „Aurel Vlaicu” University Publishing Arad, ISBN 978-973-752-402-7, 286 pages.

B4 Daniela Diaconescu, **Ionel Popescu-Mitroi, 2011** – Technologies, equipment and calculations in the brewing industry (second edition), „Aurel Vlaicu” University Publishing Arad, ISBN 978-973-752-585-7, 354 pages.

B5 Dana Gina Radu, **Ionel Popescu-Mitroi, 2014** – Practical guide for general and applied microbiology, Eurostampa Publishing House Timisoara, ISBN 978-606-569-810-9, 112 pages.

B6 Giulio Sarli, Eugenia Țigan (editors), **Ionel Popescu-Mitroi (coauthor), 2014** - The project "Agro-Bio" - The activities and results, Publishing Typography Graphic South s.a.s. Policoro Italy, ISBN 978-88-901790-0-6, 130 pages.

B7 Dana Gina Radu, **Ionel Popescu-Mitroi, 2016** – General and applied microbiology. Verification tests, Eurostampa Publishing House Timisoara, ISBN 978-606-32-0207-0, 60 pages.

C. Papers ISI / BDI published

C1 Harja Florian, Stănescu Michaela Dina, Eder Reinhard, Korntheurer Karin, **Popescu-Mitroi Ionel**, Haltrich Dietmar, Peterbauer Clemens, **2011** - Determination of biogenic amines from several romanian wines, Magazine Chemistry, Bucharest, Volume 62, Issue 3, p. 304-307, ISSN: 0034-7752, **IF 0.693**.

C2 **Ionel Popescu-Mitroi**, Dana Radu, Felicia Stoica, **2014** - The study of glycerol metabolism in the malolactic fermentation of red wines, Romanian Biotechnological Letters, Volume 19, no. 1, p. 9019-9027, ISSN 1224 – 5984, **IF 0.404**.

C3 Felicia Stoica, Camelia Muntean, Constantin Băducă, **Ionel Popescu-Mitroi, 2015** – Differences in muscat wine aroma composition depending maceration and fermentation processes, Romanian Biotechnological Letters, Volume 20, no. 2, p. 10343-10351, ISSN 1224-5984, **IF 0.412**.

C4 **Maria-Monica Popescu-Mitroi, Ionel Popescu-Mitroi, 2015** - Impact of the romanian diet guide on student-consumers, Procedia - Social and Behavioral Sciences 191, p. 1261 – 1265, doi: 10.1016/j.sbspro.2015.04.713, ISSN 1877-0428.

<http://www.sciencedirect.com/science/article/pii/S1877042815029882>

C5 **Ionel Popescu-Mitroi**, Felicia Stoica, **2018** - Inoculation of selected lactic acid bacteria in red wines - determining the right time, Carpathian Journal of Food Science and Technology, Volume 10, Issue 1, p. 45-55, ISSN 2066-6845.

http://chimie-biologie.ubm.ro/carpathian_journal/index.html

C6 **Ionel Popescu-Mitroi**, Marin Gheorghiuță, **2007** - The malolactic fermentation monitoring at red wines obtained in Minis-Maderat vineyard, Scientific papers, Series Agronomy, vol. 50, No. 2, Iași, p. 74-79, ISSN 1454-7414. [BDI Index](#) [Centre for Agriculture and Biosciences International \(CABI\)](#) [Copernicus International](#), [Genamics Journal Seek Database](#).

C7 **Ionel Popescu-Mitroi**, Dana Radu, Felicia Stoica, **2009** - Researches concerning the malic acid content of wines during storage period, Journal Of Agroalimentary Processes and Technologies vol. XV, No.3, Timișoara, p. 414-420, ISSN 1453-1399. [BDI Index](#): [IFIS – International Food Information Service](#); [CAS – Chemical Abstracts Service \(CAS ref; 163659\)](#). [Food Science Central – from the publishers of FSTA – Food Science and Technology Abstracts@](#); [CABI – Publishing Website Serials Cited Submission](#); [European Virtual Institute for Speciation Analysis \(EVISA\)](#); [Science and Engineering Journal Abbreviations](#); [Index Copernicus](#).

C8 Dana Radu, **Ionel Popescu-Mitroi**, Bujor Pancan, **2009** - Studies upon *Actinomucor elegans* proteolytic activity during solid-state fermentation in obtaining „sufu”, Journal Of Agroalimentary Processes and Technologies vol. XV, No.3, Timișoara, p. 366-369, ISSN 1453-1399. [BDI Index](#): [IFIS – International Food Information Service](#); [CAS – Chemical Abstracts Service \(CAS ref; 163659\)](#). [Food Science Central – from the publishers of FSTA – Food Science and Technology Abstracts@](#); [CABI – Publishing Website Serials Cited Submission](#); [European Virtual Institute for Speciation Analysis \(EVISA\)](#); [Science and Engineering Journal Abbreviations](#); [Index Copernicus](#).

C9 **Ionel Popescu-Mitroi**, Marin Gheorghiuță, Felicia Stoica, **2009** – Results concerning the evolution of bacterial population during the malolactic fermentation, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66, No. 2, p. 421-426, ISSN 1843-5246. [BDI Index](#): [ISI Thomson Reuters Master Journal List](#); [Centre for Agriculture and Biosciences International \(CABI\)](#); [Russian Scientific and Technical Information Institute \(VINITI\)](#); [Asian Science Citation Index \(ASCI\)](#); [Index Copernicus](#); [Elton B Stephens Company \(EBSCO\)](#).

C10 Felicia Stoica, Elena Heroiu, Liviu Giurgiulescu, **Ionel Popescu-Mitroi**, **2010** - The influence of the conditioning technological operation of must and wine on the composition characteristics of distillate, Journal Of Agroalimentary Processes and Technologies vol. XVI, No. 3 Timișoara, p. 373-375, ISSN 1453-1399. [BDI Index](#): [IFIS – International Food Information Service](#); [CAS – Chemical Abstracts Service \(CAS ref; 163659\)](#). [Food Science Central – from the publishers of FSTA – Food Science and Technology Abstracts@](#); [CABI – Publishing Website Serials Cited Submission](#); [European Virtual Institute for Speciation Analysis \(EVISA\)](#); [Science and Engineering Journal Abbreviations](#); [Index Copernicus](#).

C11 **Ionel Popescu-Mitroi**, Dana Radu, Felicia Stoica, **2010** – The monitoring of physicochemical parameters of red wines during malolactic fermentation, Annals of West University of Timișoara, Series of Chemistry, vol. 19, No. 2, Special issue dedicated to The XII International Symposium „Young People And Multidisciplinary Research”, Timișoara, 11-12 November 2010, p. 43-50, ISSN 1224-9513. [BDI Index](#): [EBSCO Publishing – Academic Search Complete \(Abstract & Full text\)](#); [ProQuest \(Abstract & Full text\)](#).

C12 **Ionel Popescu-Mitroi**, Marin Gheorghiuță, Felicia Stoica, **2011** – Inoculation practice of malolactic bacteria in red wines, Annales of the University of Craiova, vol XVI (LII), p. 313-318, ISSN 1453-1275. [BDI Index](#): [CAB Abstracts and Global Health](#); [Zoological Record](#); [Index Copernicus](#).

C13 **Ionel Popescu-Mitroi**, Felicia Stoica, **2011** – Estimation of arginine degradation during malolactic fermentation of wine, Annals of West University of Timișoara, Series of Chemistry, vol 20, No.3, Special issue dedicated to The XIII International Symposium „Young People And Multidisciplinary Research”, Timișoara, 10-11 November 2011, p. 19-26, ISSN 1224-9513 [BDI Index](#): [EBSCO Publishing – Academic Search Complete \(Abstract & Full text\)](#); [ProQuest \(Abstract & Full text\)](#).

C14 Maria-Monica Popescu-Mitroi, **Ionel Popescu-Mitroi**, Felicia Stoica, **2011** – The requirements of dietary guidelines and their impact on consumers, in Proceedings of the Third International Conference Research People And Actual Tasks On Multidisciplinary Sciences Lozenec, Bulgaria, 8-10 June 2011, vol III, p. 93-98, ISSN 1313-7735 **BDI Index** [Centre for Agriculture and Biosciences International \(CABI\)](#).

C15 **Ionel Popescu-Mitroi**, Felicia Stoica, **2012** – Study of histidine degradation and assessment of histamine content in red wines during the malolactic fermentation, Chemical Bulletin of „Politehnica” University of Timișoara, Series of Chemistry and Environmental Engineering, Tomul 57 (71), Fascicola 1, p 38-41, ISSN 1224-6018, **BDI Index: [Index Copernicus](#), [Electronic Journals Library](#), [VINITI](#), [Chemical Abstracts Plus](#), [Ulrich’s Periodicals](#)**.

C16 Stoica Felicia, Muntean Camelia, Băducă-Câmpeanu Constantin, Cichi Daniela, **Popescu-Mitroi Ionel**, **2013** - Technological potential of certain varieties of table and wine grapes in aromatised wines technology, Annales of the University of Craiova, vol XVIII (LIV), p. 321-326, ISSN 1453-1275. **BDI Index: [CAB Abstracts and Global Health](#); [Zoological Record](#); [Index Copernicus](#)**.

C17 Condrat Dumitru, **Popescu-Mitroi Ionel** Crișan Florin, **2013** – The quantitative analysis of some flavonoids in the species *Achillea millefolium*, *Anethum graveolens*, *Origanum majorana* and *Rosmarinus officinalis* Annales of the University of Craiova, vol XVIII (LIV), p. 455-458, ISSN 1453-1275. **BDI Index: [CAB Abstracts and Global Health](#); [Zoological Record](#); [Index Copernicus](#)**.

C18 **Popescu-Mitroi Ionel**, Condrat Dumitru, Radu Dana, Stoica Felicia, **2014** – Assessment of the antibacterial action of dry red and white wines produced in the Miniș-Măderat vineyard, Annales of the University of Craiova, vol XIX (LV), p. 269-274, ISSN 1453-1275. **BDI Index: [CAB Abstracts and Global Health](#); [Zoological Record](#); [Index Copernicus](#)**.

C19 Stoica Felicia, Muntean Camelia, Băducă-Câmpeanu Constantin, **Popescu-Mitroi Ionel**, **2014** – Influence of must processing on quality natural distillates, Annales of the University of Craiova, vol XIX (LV), p. 359-362, ISSN 1453-1275. **BDI Index: [CAB Abstracts and Global Health](#); [Zoological Record](#); [Index Copernicus](#)**.

D. Papers published in journals and conference volumes with referees (indexed)

D1 **Ionel Popescu-Mitroi**, Marin Gheorghită, **2007** - The study of amino acids catabolism of malolactic bacteria in wine, in Proceedings of the International Conference Research People And Actual Tasks On Multidisciplinary Sciences, Lozenec, Bulgaria, 6-8 June 2007, vol. III, p. 233-239, ISBN 978-954-91147-3-7.

D2 **Ionel Popescu-Mitroi**, **2009** – Researches concerning the histamine content of wines with malolactic fermentation, in Proceedings of the Second International Conference Research People And Actual Tasks On Multidisciplinary Sciences, Lozenec, Bulgaria, 10-12 June 2009, vol. II, p. 250-254, ISSN 1313-7735.

D3 **Ionel Popescu-Mitroi**, Monica Popescu-Mitroi, **2010** - Consumers attitude regarding the choice of a healthy diet, The XIth International Symposium „Interdisciplinary Regional Research” Hungary-Romania-Serbia, Section Medical Reproductive Health, Szeged, Hungary, p.172-173, ISBN 978-963-508-600-9.

D4 **Ionel Popescu**, Dumitru Condrat, **2004** – The influence of the unsaturation degree over the oxidation capacity of fats, Annales of the University of Craiova, vol IX, p. 399–403, ISSN 1435-1275.

D5 **Ionel Popescu**, Lucian Hălmăgean, Virgil Ciutină, Ioan Calinovici, Claudiu Ursachi, **2004** – Optimal harvesting period for garden bean seeds in correlation with the agro-ecological conditions of Arad area, Annales of the University of Craiova, vol IX, p. 211-215, ISSN 1435-1275.

- D6 **Ionel Popescu**, Marin Gheorghită, **2006** - Results concerning the evolution of malic acid in grapes and in the wines from Minis viti-viticultural station, *Annales of the University of Craiova*, vol XI, p. 31-38, ISSN 1435-1275.
- D7 **Ionel Popescu**, Marin Gheorghită, **2006** - Experiments on malolactic fermentation induction with bacterial biomass separated by filtering, *Annales of the University of Craiova*, vol XI, p. 39-44, ISSN 1435-1275.
- D8 **Ionel Popescu-Mitroi**, Marin Gheorghită, **2007** – Study of the main factors that influence the malolactic fermentation, *Annales of the University of Craiova*, vol XII, p. 283-288, ISSN 1435-1275.
- D9 **Ionel Popescu-Mitroi**, Marin Gheorghită, **2007** – Establishing the nature of the lactic acid formed at malolactic fermented wines, *Annales of the University of Craiova*, vol XII, p. 289-294, ISSN 1435-1275.
- D10 **Ionel Popescu-Mitroi**, **2008** – The malolactic fermentation influence on the ethyl acetate content from red wines, *Annales of the University of Craiova*, vol. XIII, p. 387-392, ISSN 1435-1275.
- D11 **Ionel Popescu-Mitroi**, **2008** – Researches concerning the influence of climatic conditions on dynamics development of the malolactic fermentation at red wines, *Annales of the University of Craiova*, vol. XIII, p. 393-398, ISSN 1435-1275.
- D12 **Ionel Popescu-Mitroi**, **2009** – Researches concerning the malic acid content of grapes during maturation period, *Annales of the University of Craiova*, vol. XIV, p. 591-596, ISSN 1435-1275.
- D13 Felicia Stoica, Liviu Giurgiulescu, **Ionel Popescu-Mitroi**, **2009** – Study of the acetic bacteria resistance at the different contents in alcohol, acidity and sulphurous anhydride of the wines in vineyard technology, *Annales of the University of Craiova*, vol. XIV, p. 587-590, ISSN 1435-1275.
- D14 Nicolae Rusănescu, Adrian Băneş, **Ionel Popescu**, **2000** – Beer filtration equations, *Scientifical Researches, Agroalimentary Processes and Technologies*, vol VI, Timișoara, p. 97-105, ISSN 1453-1399.
- D15 **Ionel Popescu**, Nicolae Rusănescu, Sergiu Palcu, **2004** – The effects of polyvinyl-pyrrolidone in assuring colloidal stability for beer, *Scientifical Researches, Agroalimentary Processes and Technologies*, vol X nr. 2, Timișoara, p. 411-417, ISSN 1453-1399.
- D16 Sergiu Palcu, **Ionel Popescu**, **2005** – Experimental studies regarding the bacterial metabolism of sugars, *Scientifical Researches, Agroalimentary Processes and Technologies*, vol XI, Nr. 2, Timișoara, p. 315 – 320, ISSN 1453-1399.
- D17 Dana Radu, **Ionel Popescu**, **2005** – Researches concerning cholesterol uptake in *Saccharomyces cerevisiae* cells, *Scientifical Researches, Agroalimentary Processes and Technologies*, vol XI, Nr. 2, Timișoara, p. 327-332, ISSN 1453-1399.
- D18 **Ionel Popescu**, Dana Radu, **2005** – Researches concerning the cholesterol role in alcoholic fermentation dynamic, *Scientifical Researches, Agroalimentary Processes and Technologies*, vol XI, Nr. 2, Timișoara, p. 333-336, ISSN 1453-1399.
- D19 **Ionel Popescu**, Mihaela Meșter, **2006** - Research regarding the role of probiotic lacto-acid products in inhibiting the development of contamination microorganisms, *Journal of Agroalimentary Processes and Tehnologies*, vol XII, Nr.1, Timișoara, p. 255-260, ISSN 1453-1399.
- D20 Ionel Popescu-Mitroi, Marin Gheorghită, **2007** - The malolactic fermentation conduction on red wines, using starter cultures of malolactic bacteria, *Journal Of Agroalimentary Processes and Technologies*, vol. XIII, Nr.1, Timișoara, p. 183-191 ISSN,1453-1399.
- D21 Nicolae Rusănescu, Adrian Băneş **Ionel Popescu**, **2000** – Wort filtration equations, *Annales of the „Aurel Vlaicu” University of Arad, Series Chemistry, Food Engineering Fascicule*, p 29-34, ISSN 1582-3415.

D22 Sergiu Palcu, **Ionel Popescu, 2003** - The influence of temperature on honey amylase activity index determined through diastase, Scientific and Technical Bulletin of University "Aurel Vlaicu" Arad, , Vol.VIII, p. 76-79, ISSN 1582-1021.

D23 **Ionel Popescu**, Nicolae Rusănescu, **2004** - Determination of particle size of wheat, Annales of the „Aurel Vlaicu” University of Arad, Series Chemistry, Food Engineering Fascicule, p. 103-106, ISSN 1582-3415.

D24 **Ionel Popescu**, Sergiu Palcu, Dana Radu, Dumitru Condrat, **2004** – Mint essential oil effect upon dairy products preservation, The VIth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Chemistry, Timișoara, România, p. 684-689, ISBN 973-8359-26-0.

D25 Mihaela Meșter, **Ionel Popescu, 2006** – Research regarding the enzymatic activity of *Penicillium roqueforti* mould in the Roquefort cheese, The VIIIth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Chemistry, Timișoara, România, p. 586-591, ISBN 973-8359-39-2.

D26 Maria-Monica Mitroi, **Ionel Popescu, 2006** – The pro and against arguments regarding the consume of red wine, The VIIIth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Health, Timișoara, România, p. 743-752 ISBN 973-8359-39-2.

D27 **Ionel Popescu**, Maria-Monica Mitroi, **2006** – The consume of aliments and medicine rich in alkaloides and the postivism of the tests against doping at performance sportsmen, The VIIIth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Health, Timișoara, România, p. 762-767 ISBN 973-8359-39-2.

D28 **Ionel Popescu-Mitroi**, Maria-Monica Popescu-Mitroi, **2008** – Subjectivity and objectivity in the sensorial profile estimation of wine through degustation, The Xth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Biology, Agriculture, Zooculture, Timișoara, România, p. 136-141, ISSN 1843-6609.

D29 Maria-Monica Popescu-Mitroi, **Ionel Popescu-Mitroi, 2009** – Students perspective on the effectiveness of educational strategies for healthy food, The XIth International Symposium „Young People And Multidisciplinary Research” România-Serbia&Montenegro-Hungary, Section Economic Sciences and Social-Human Sciences, Timișoara, România, p. 223-228, ISSN 1843-6609.

D30 Dumitru Condrat, **Ionel Popescu-Mitroi**, Florin Crișan, **2013** – Quantitative determination of kampferol from *Apium graveolens* and *Petroselinum crispum* species using high performance liquid chromatography, Proceedings of the XVth International Symposium „Young People and Multidisciplinary Research”, Section Agriculture, Chemistry, Ecology and Environment, Timișoara, România, p. 67-70, ISSN 1843-6609.

D31 **Ionel Popescu-Mitroi**, Dumitru Condrat, Felicia Stoica, **2013** – Vitamin C contents change in milk and acid dairy products by applying heat treatment and during storage, Proceedings of the XVth International Symposium „Young People and Multidisciplinary Research”, Section Agriculture, Chemistry, Ecology and Environment, Timișoara, România, p. 71-75, ISSN 1843-6609.

D32 **Ionel Popescu-Mitroi, 2016** – Case study on the eating behavoir of students, Proceedings of the XVIIIth International Symposium „Young People and Multidisciplinary Research”, Section Health, Timișoara, România, p. 217-222, ISSN 1843-6609.

D33 **Ionel Popescu-Mitroi**, Dana Radu, **2017** - Potassium ferrocyanide wine treatment: a controversial, yet necessary operation, Scientific and Technical Bulletin of “Aurel Vlaicu” University of Arad, Series Chemistry, Food Science & Engineering, Vol. 14, p. 4-8, ISSN 1582-1021.

D34 Simona Perța-Crișan, **Ionel Popescu-Mitroi**, Dana Gina Radu, **2018** – Monitoring acetic fermentation under laboratory conditions, Proceedings of the XXth International Symposium „Young People and Multidisciplinary Research”, Timișoara, România, p. 122-126, ISSN 1843-6609.

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