



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Lavinia Diana TĂTARU**

Address(es) [REDACTED], Pitesti, Romania
National University of Science and Technology POLITEHNICA Bucharest,
Splaiul Independentei no. 313, sector 6, Bucharest, ROMANIA
University Centre of Pitești, Targu din Vale Street, no.1, Pitesti, Arges Country

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Nationality Romanian

Date of birth 20.08.1966

Gender female

Work experience

Dates	September 2023 onwards
Occupation or position held	University lecturer
Main activities and responsibilities	teaching the courses and laboratory work for the following academic disciplines: Analytical Chemistry, General Chemistry; scientific research of soil and plant chemistry
Name and address of employer	Faculty of Science, Physical Education and Informatics, National University of Science and Technology POLITEHNICA Bucharest, Splaiul Independentei no. 313, sector 6, Bucharest, ROMANIA
Type of business or sector	Education & Research

Dates	September 1999 onwards
Occupation or position held	University lecturer
Main activities and responsibilities	teaching the courses and laboratory work for the following academic disciplines: Analytical Chemistry, General Chemistry; scientific research of soil and plant chemistry
Name and address of employer	Faculty of Science, Physical Education and Informatics, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Education & Research

Dates	April 2012-April 2016,
Occupation or position held	Vicedean
Main activities and responsibilities	coordinating the activities required to meet the quality standards in higher education, monitor and advise on the performance of the quality management system, produce data and report on performance, measuring against set standards.
Name and address of employer	Faculty of Science, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Management in higher education

Dates	1992-1999
Occupation or position held	Professor's assistant
Main activities and responsibilities	laboratory work for the following academic disciplines: Analytical Chemistry, General Chemistry, Biochemistry; research of soil chemistry
Name and address of employer	Faculty of Science, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Education & Research

Dates	1991-1992
Occupation or position held	High school teacher
Main activities and responsibilities	Teaching chemistry
Name and address of employer	High School no.2, Pitesti, Stadionului Street, 110227, Pitesti, Arges Country, Romania
Type of business or sector	Education

Education and training

Dates	June 1996- April 2003
Title of qualification awarded	PhD. Thesis Agriculture chemistry
Principal subjects/ occupational skills covered	studies on chemistry of nutrient substrates used for horticultural plant growth
Name and type of organisation providing education and training	University of Agronomic Science and Veterinary Medicine Bucharest, Romania
Level in national or international classification	ISCED 6

Dates	june1986-1991
Title of qualification awarded	Bachelor of Science
Principal subjects/ occupational skills covered	Analytical chemistry, Physical chemistry
Name and type of organisation providing education and training	University of Bucharest, Faculty of Chemistry
Level in national or international classification	ISCED 5

Dates November 2016
 Title of qualification awarded **Multivariate Data Analysis – Level 1**
 Principal subjects/occupational skills covered Multivariate data modeling, Multivariate regression: MLR, PCR, PLS, Principal Component Analysis (PCA), Relevant data collection, Pretreatment and scaling Detecting and dealing with Outliers Calibration, Validation, Prediction Practical use of Advanced
 Name and type of organisation providing education and training Multivariate Data Analysis tool: The Unscrambler X
 CAMO Software AS. Nedre Vollgate 8, N-0158, Oslo, NORWAY Tel: (47) 223 963 00
 Fax: (47) 223 963 22
www.camo.com

Dates May 2013
 Title of qualification awarded **Internal auditor in Quality Management System**
 Principal subjects/occupational skills covered Basic of performing internal audits of QMS based on the process approach. Quality assurance and internal control.

Name and type of organisation providing education and training Romanian Movement for quality

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment
 European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	B1	Independent user	B1	Independent user	B1	Independent user
B2	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

(*) Common European Framework of Reference for Languages

Social skills and competences Team player, expressing a fair-play, problem-solving attitude, responsibility, hard working and organized person, communication skills.

Organisational skills and competences Good organizational and team-leading skills gained as vice dean of Faculty of Science

Computer skills and competences Microsoft Office (Word, Excel, Power Point), ISIS DRAW, CHEM DRAW,

Other skills and competences Photography, traveling, reading, sport (ski)

Driving licence B category

Additional information **Professional Affiliation:** Romanian Chemistry Society (SChR) – 2005 onwards

Annexes List of relevant works

List of relevant works

phD Thesis

Tataru Lavinia, “Methodological research on the chemistry of nutritive substrates used for horticultural crops”, 2003.

Books

Tataru Lavinia, General chemistry for biologists, Editura UPit, 2023, ISBN 978-606-560-770-5

Tataru Lavinia *Qualitative analytical Chemistry. Volumetry*, Ed. UPIT, 2021, 180 p, e-ISBN: 978-606-560-711-8,

Tataru Lavinia, AgroChemistry for the horticulturists, Ed.Upit, 2019, e-ISBN: 978-606-560-642-5

Tataru Lavinia, Analytical Chemistry- Aqueous Solutions Equilibria, Ed.UPit 2010, 300 p, ISBN 978-973-690-954-2

Tataru Lavinia, Topala Carmen, General Chemistry, Ed. UPit 2004, 220 p, ISBN: 973-690-262-5

ISI Thomson Reuters and ISI proceedings papers

Șuțan, N. A., Matei, A. N., Oprea, E., Tecuceanu, V., **Tătaru, L. D.**, Moga, S. G., Manolescu, D. S., & Topală, C. M. (2020). Chemical composition, antioxidant and cytogenotoxic effects of *Ligularia sibirica* (L.) Cass. roots and rhizomes extracts. *Caryologia. International Journal of Cytology, Cytosystematics and Cytogenetics*, 73(1). <https://doi.org/10.13128/caryologia-116>. ISSN 0008-7114

Topala, C., **Tataru L.**, 2019, ATR-FTIR Spectroscopy Coupled with Chemical and Chemometric Analysis to Distinguish Between Some Sweet Wines, *Revista de Chimie (Bucharest)*, 70(7), p.2355-2361, http://www.revistadechimie.ro/article_ro.asp?ID=7339, WOS:000485843500012

Guță, I.-C., Buciumeanu, E.-C., **Tătaru, L.D.**, Oprescu, B. and Topală, C.M. (2019). New approach of electrotherapy for grapevine virus elimination. *Acta Hort.* 1242, p. 697-702, DOI: 10.17660 / ActaHortic. 2019.1242.103, https://www.actahort.org/books/1242/1242_103.htm

Topala, Carmen Mihaela; **Tataru, Lavinia Diana**, 2018, Rapid Method for the Discrimination of Romanian Wines Based on Mid-Infrared Spectroscopy and Chemometrics, *Revista de Chimie*, 69(2), p.469-473, http://www.revistadechimie.ro/article_eng.asp?ID=6129, WOS: 000427327700038

Carmen Mihaela Topala, **Lavinia Diana Tataru**, Elena Cocuta Buciumeanu and Ionela Catalina Guta, 2017, FTIR Spectra of grapevines (*Vitis vinifera* L.) in the presence of virus infections, *Acta Hort.* 1188, p. 313-318, ISHS 2017. DOI 10.17660/ActaHortic.2017.1188.41 Proc. X Int. Symp. on Grapevine Physiology and Biotechnology Eds.: M. Pezzotti et al., 313-318 2017, www.ishs.org/ishs-article/1188_41

Ionela Catalina Guta, Elena Cocuta Buciumeanu, **Lavinia Diana Tataru**, Carmen Mihaela Topala, 2017, Regeneration of grapevine virus-free plants by in vitro chemotherapy, *Acta Hort.* 1188, p. 319-322. ISHS 2017. DOI 10.17660/ActaHortic.2017.1188.41 Proc. X Int. Symp. on Grapevine Physiology and Biotechnology Eds.: M. Pezzotti et al., 319-322, 2017, https://www.ishs.org/ishs-article/1188_42

Ionela-Catalina Guta, Elena-Cocuta Buciumeanu, Carmen Mihaela Topala and **Lavinia Diana Tataru**, The use of in vitro chemotherapy for grapevine virus elimination, 2017 *Acta Hort. (ISHS)* 1155, p:425-430, DOI: 10.17660/ActaHortic.2017.1155.63 VI International Symposium on Production and Establishment of Micropropagated Plants, Edited by: Beruto, M; Ozudogru, EA, Published: 2017, ISBN: 978-94-62611-51-1, ISSN: 0567-7572, eISSN: 2406-6168 Document Type: Proceedings Paper, Conference: 6th International Symposium on Production and Establishment of Micropropagated Plants, Sanremo, ITALY, APR 19, 2015, 2017, www.ishs.org/ishs-article/1155_63 WOS:000431841400063

Carmen Mihaela Topala, **Lavinia Diana Tataru**, 2016, ATR-FTIR Study of Thyme and Rosemary Oils Extracted by Supercritical Carbon Dioxide, *Revista de Chimie (Bucharest)*, 57 (5), www.revistadechimie.ro/pdf/TOPALA%20C%20S%2016.pdf, WOS:000378158100005

Carmen Mihaela Topala, **Lavinia Diana Tataru**, „Infrared Spectra Of Green Arabica Coffee Extraction Using Supercritical Carbon Dioxide And Soxhlet Technique”, *Revista de Chimie (Bucuresti)*, 66 (8), 2015 www.revistadechimie.ro/pdf/TOPALA%20C.pdf%20S%2015.pdf, WOS:000361124600009

B.Oprescu, C. Topala, **L. Tataru**, S. Anghel , Liquid Crystals. 8. The Experimental Study On The Liquid Crystal Phase Transition Of Some Thermotrope Mesogenes Mixtures By Light Scattering Method, *Revista de Chimie (Bucuresti)*, 54 (7), 2003. http://www.revistadechimie.ro/article_eng.asp?ID=174, WOS:000185562900009

IDB indexed papers

Tătaru, L., Ducu, C., Negrea, D., Moga, S. (2019). STUDIES ON THE ANTIOXIDANT POTENTIAL OF ARONIA MELANOCARPA EXTRACTS. *Current Trends in Natural Sciences*, 8(16), 103-108. ISSN (online) 2284-953X, ISSN (CD-ROM) 2284-9521, ISSN-L 2284-9521, <https://www.natsci.upit.ro/media/1836/14tataru-et-al.pdf>

Carmen Mihaela TOPALĂ, **Lavinia Diana TĂTARU**, Cătălin DUCU, *ATR-FTIR Spectra Fingerprinting Of Medicinal Herbs Extracts Prepared Using Microwave Extraction*, *Arabian Journal of Medicinal & Aromatic Plants*, AJMAP V3 N (1) 1, ISSN 2458-5920, 2016, <https://revues.imist.ma/index.php?journal=AJMAP&page=article&op=view&path%5B%5D=7985>

Carmen Mihaela Topala, **Lavinia Diana Tataru**, Ionela Catalina Guta, Elena Cocuta Buciumeanu, "ATR-FTIR Vibrational Spectroscopy as a Tool to Investigate the Grapevine (*Vitis Vinifera* L.) Sanitary Status, Agriculture & Food, ISSN 1314-8591, Volume 3, 2015, 218-225, <http://www.scientific-publications.net/en/article/1000674/>

Topala C., Oprescu B., **Tataru L.***, FT/IR Study on Changes induced by Chemotherapy and Electrotherapy Application in Grapevine, *Analele Universitatii din Craiova, seria Biologie, Horticultura, Tehnologia prelucrării produselor agricole*, Ingineria mediului, ISSN 1453-1275, VIII (LIV), 333-338, <http://www.anucraiova.3x.ro/>

Guta I.C., Buciumeanu E.C., Oprescu B., **Tataru L.**, Effect of direct electric current on virus elimination in grapevine, *Proceedings of the 4th International Symposium New Researches in Biotechnology Symposium BTH 2011* (ISSN 124-7774), Bucharest, 41-50, http://simpbth.usamv.ro/Rezumate_2011.pdf

Tataru L., Oprescu B., The Impact of Some Nourishing Substrates and their Physical and Chemical Qualities on Growth Parameters of Grapevine, (B+), *Scientific papers. Horticulture Serial*. 2008, year LI-vol.51, Iasi, 835-840 http://www.uaiasi.ro/revista_horti/files/arhiva/VOL-51-2008.pdf

Tataru L., Oprescu B., D.Giosanu, Some Aspects Regarding the Chemical Behavior of Some Nutritive Substrates Used for Grapevine Growing in a Closed System, (B) *Scientific papers, USAMVB, Horticulture*, 2008, Serial B-LI, ISSN 1222-5312, 534-539 [http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20\(CD-ROM\).pdf](http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20(CD-ROM).pdf)

M. Fleancu, D.Giosanu, **Tataru L.**, The Geotropically Modifications of mustard Plantlets Due to the Phytochrome reversibility, (B) *Scientific papers, USAMVB, Horticulture, Serial B-LI*, ISSN 1222-5312, 562-565, 2008 [http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20\(CD-ROM\).pdf](http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20(CD-ROM).pdf)

International Conferences

Istrate Adina, **Lavinia Tataru**, Quality indicators of some industrial waters discharge into the sewerage system of the Costesti city, *Chemistry and Development Symposium, Pitesti*, may 2021, proceedings in *Scientific Bulletin, Chemistry and Physics Series*, No. 1/2021, 2021.

Matei Diana, **Lavinia Tataru**, Antioxidant activity in hydroalcoholic extracts of *Satureja hortensis* L, *Chemistry and Development Symposium, Pitesti*, may 2022, proceedings in *Scientific Bulletin, Chemistry and Physics Series*, No. 1/2022, 2022.

Istrate Adina, **Lavinia Tataru**, Comparative analysis of some quality indicators in wastewater, *Chemistry and Development Symposium, Pitesti*, may 2022, proceedings in *Scientific Bulletin, Chemistry and Physics Series*, No. 1/2023, 2022.

Carmen Mihaela Topala, **Lavinia Diana Tataru**, Elena Cocuta Buciumeanu and Ionela Catalina Guta "FTIR Spectra of grapevines (*Vitis vinifera* L.) in the presence of virus infections", X INTERNATIONAL SYMPOSIUM ON GRAPEVINE PHYSIOLOGY AND BIOTECHNOLOGY, 13th-18th June, 2016, Verona, p.222

Topala Carmen Mihaela , **Tataru Lavinia Diana**, Ducu Catalin, "ATR-FTIR Spectra of Medicinal Herbs Using Microwave Extraction", 6th International Congress of Aromatic and Medicinal Plants (CIPAM), 29th May-1st June, 2016, Coimbra, Portugal.

Carmen Mihaela Topala and **Lavinia Diana Tataru**, “ATR-FTIR Study of Thyme Oils Extracted by Supercritical Carbon Dioxide, 19th Romanian International Conference on Chemistry and Chemical Engineering (RICCE 19), 2-5 september 2015, Sibiu, Romania.

Tataru L., Oprescu B., Physical and Chemical Properties of Some Nutritive Substrates Based on Grape Marc Compost, Sixth Int.Conference of the Chemical Societies of South Eastern European Countries, 10-14 Sept 2008, Sofia, p334,

C. Topala, B. Oprescu, I. Iosub, **L. Tataru**, Stability of the Stationary State of Biological Cells in generating of Dissociable Compounds, Functional of organic materials for micro and nano bio-sensing systems, E-MRS, Strasbourg, 31 mai 2007

C. Topală, I. Iosub, B. Oprescu., **L. Tataru**, Fluorophenylcholesteryl Carbamates In An Electrical Field, International Conference of the Chemical Societies of the South-East European Countries, ICOSECS 5, 10-14 Sept. 2006 Ohrid OCH-59

C. Topala, B. Oprescu, **L. Tataru**, Study of Sterol Mesogens by Dilatometry, XXIX Chem. Conference, Călimănești-Căciulata, oct. 2006, 82-83, ISBN-13-978-750-049-6

L. Tătaru, C. Topală, The Chemical Behavior To Some Nourishing Substrates Used In An Ecological Agriculture, International Conference “Agricultural and Food Sciences, Processes and Technologies”. Sibiu, 12-13 May 2005

B. Oprescu, C. Topală, **L. Tătaru**, “Sodium Laurate In An Electrical Field” Annual Scientific Conference, University of Bucharest, Faculty of Physics, 27-28 mai 2005

B. Oprescu, C. Topală, **L. Tătaru** “Behavior of Cedar Oil In An Electrical Field”, 6th International Balkan on Applied Physics, 5-7 iulie 2005, S4 P07

B. Oprescu, C. Topală, **L. Tătaru**, “Temperature dependence of tension at liquid crystal-water interface”, 14th National Conference on Physics, Bucharest, 13-17 September 2005, p.68

B. Oprescu, C. Topala, **L.Tataru**, “Two Channels Of Self-Organization Of Ionized Gaseous Media” The 12th International ICSI Conference Progress in Cryogenics and Isotopes Separation, Căciulata, October 2005, Proceedings p. 96-100

C. Topală, B. Oprescu, **L. Tătaru**, G. Iacobescu, “Sitosteryl Mesogens In An Electrical Field”, National Conference of Physics, CNF-2004, 9-11 September 2004, p.74

C. Topala, B. Oprescu, **L. Tataru**, Behavior of Cholesteric Esters in an Electric Field, National Conference of Chemistry, Calimanesti-Caciulata, 5-11 October, 2004, Abstracts, P.S.I. 83, p.179

Research Projects – member of the research team

1. *Increasing the institutional capacity of bioeconomic research for the innovative exploitation of the local plant resources to obtain horticultural products with high added value (BIOHORTINOV)*, Code: PN-III-P1-1.2-PCCDI2017-0332 C, Contractor: University of Pitesti, director Soare Cristina Liliana, *Component Project no.4: Innovative technologies for advanced processing of local plant resources*, manager Pr 4, CS II dr. Cătălin Marian DUCU, **2018-2020**;
2. *Increasing the institutional capacity of research - development - innovation in the field of ecological fruit growing (ECOTEHNOPOM)*, Code: PN-III-P1-1.2-PCCDI-2017-0662, Contract no.:12PCCDI /2018; Contractor: Institute of Development and Research for Fruit-growing Pitești-Mărăcineni, director Mariana Butac, *Component Project no.3- Development of ecological products for nutrition and phytosanitary protection of fruit species –*, manager partner 7, CS II dr. Cătălin Marian DUCU, **2018-2020**;
3. *Advanced materials and laser / plasma processing technologies for energy and depollution: increasing the applicative potential and scientific interconnection in the field of eco-nanotechnologies (MALASENT)*”, Code: PN-III-P1- 1.2-PCCDI-2017-0755, Contract no. 46PCCDI/2018, Contractor National Research Institute for Laser, Plasma and Radiation Physics - INFLPR RA , director Nicu Doinel Scarisoreanu, *project component 2. Obtaining nanomaterials by laser / plasma and conventional (thermal, chemical) techniques for catalytic reduction of gaseous pollutants released by internal combustion engines*, manager project 2 , University of Pitesti - CS II dr. Cătălin Marian DUCU, **2018-2020**
4. *Integrated development project for advanced medical treatment technologies (TERAMED)*, Code: PN-III-P1-1.2-PCCDI-2017-0728, contract no. 63PCCDI/2018, contractor: National Research

Institute for Laser, Plasma and Radiation Physics - INFLPR RA, director Dr. Gabriel Socol, manager of partener team University of Pitesti - CS II dr. Cătălin Marian DUCU, **2018-2020**

5. *Model demonstrativ de biotehnologie fungică pentru conversia completă a deșeurilor lignocelulozice sub formă de materiale biodegradabile și alimente naturale (DEMOFUNBIO)*, Cod: PN-III-P2-2.1-PED-2016-1769, contract nr: **196PED /2017**, contractor: University of Agronomic Sciences and Veterinary Medicine of Bucharest - Director: Prof.univ.dr. Teodorescu Razvan, partner institution - University of Pitesti – team manager Prof.univ.dr.Petre Marian, **2017-2018**
6. *Optimization of the processes of virus elimination in horticultural crops by in vitro chemotherapy and electrotherapy to achieve EU requirements on environmental quality and food products (SANOPLANT)*, PN-II-PT-PCCA-2011-3.1, project number 104/2012, **2012-2016**, contractor University of Pitesti, director dr. Carmen Mihaela Topala
7. *Advanced technologies and materials for optoelectronics (OPTOMATEH)*, PN II-Capacities 126cp/I - **2007 -2010**, contractor University of Craiova -director dr.Gabriela Iacobescu, partner institution University of Pitesti – manager of partner team – dr. Carmen Mihaela Topala
8. *Research on energy transfer, plasma - radiofrequency electromagnetic field in electrical discharges in gases*, CEEEX – 06-D11-7/2006, **2006-2008**,

Cited papers

2003: Liquid crystals. 9. The influence of the electric dipolar moment of the terminal mesogeneous groups on the temperatures corresponding to the phase transitions of some termotrope sterolic esthers, Oprescu, B; Topala, C, REVISTA DE CHIMIE Volume: 54 Issue: 9 Pages: 739-742 Published: SEP 2003, WOS: 000186420700004, *cited paper:* Cristale lichide 8. Studiul experimental al tranzitiei de faza de cristal lichid al unor amestecuri de mezogeni termotropi prin metoda difuziei luminii, B.Oprescu, C. Topala, **L. Tataru**, S. Anghel, *Revista de Chimie* (Bucuresti), 54 (7),2003.

2004: Extraction of thermodynamic data from ternary diffusion coefficients of lysozyme chloride in water and aqueous Na4SO4, Buzatu, D; Petrescu, E; Popa, C; et al., REVISTA DE CHIMIE, Volume: 55, Issue:10, Pages: 759-763, Published: OCT 2004, WOS: 000225068100007, *Cited paper:* Cristale lichide 8. Studiul experimental al tranzitiei de faza de cristal lichid al unor amestecuri de mezogeni termotropi prin metoda difuziei luminii, B.Oprescu, C. Topala,**L. Tataru**, S. Anghel, *Revista de Chimie* (Bucuresti), 54 (7), 2003,

2004: Measurements of Multicomponent Diffusion Coefficients for Lysozyme Chloride in Water and Aqueous Na2SO4, Buzatu, D; Petrescu, E; Popa, C; et al. REVISTA DE CHIMIE Volume: 55 Issue: 6 Pages: 435-438 Published: JUN 2004, WOS: 000222753600014, *cited paper:* Cristale lichide 8. Studiul experimental al tranzitiei de faza de cristal lichid al unor amestecuri de mezogeni termotropi prin metoda difuziei luminii, B.Oprescu, C. Topala, **L. Tataru**, S. Anghel, *Revista de Chimie* (Bucuresti), 54 (7),2003.

2008: Temperature dependence of the phospholipids bilayers stability, studied by FTIR spectroscopy, Severcan, Feride; Agheorghiesei, Catalin; Dorohoi, Dana-Ortansa, REVISTA DE CHIMIE, Volume: 59, Issue: 3,Pages: 356-359, Published: MAR 2008, WOS: 000255966000021, *cited paper:* Cristale lichide 8. Studiul experimental al tranzitiei de faza de cristal lichid al unor amestecuri de mezogeni termotropi prin metoda difuziei luminii, B.Oprescu, C. Topala, **L. Tataru**, S. Anghel, *Revista de Chimie* (Bucuresti), 54 (7),2003

2017: Pharmacodynamic Modulation of Motility by Glycine Administration in Dugesia Dorotocephala, Bogdan Horatiu Serb, Alina Ormenisan, Ancuta Pleseru, Vlad Preluca, Mihaela Cernusca Mitariu, Corina Roman Filip, Horia Mihail Barbu, Sebastian Cernusca Mitariu, Rev. Chim., 2016, 67(5), 842-846,WOS: 000395499200037, *Cited paper:* Infrared Spectra of Green Arabica Coffee, autori: C. M. Topala, LD Tătaru, REV. CHIM. (Bucharest), vol 66, No. 8, 2015, pag. 1128-1131

2017: A study of the content in volatile oils and their composition of various aromatic herbs from ecological soils, Popescu, Mariana; Puiu, Diana; Mihalache, Madalina; et al. Conference: 20th International Symposium on The Environment and the Industry (SIMI) Location: Bucharest, ROMANIADate: SEP 28-29, 2017, 20TH INTERNATIONAL SYMPOSIUM - THE ENVIRONMENT AND THE INDUSTRY (SIMI 2017) Pages: 206-212 Published: 2017, WOS: 000430609800026, *cited paper:* ATR-FTIR Study of thyme and rosemary oils extracted by supercritical carbon dioxide, Topala, C.M., Tataru, L.D., *Revista de Chimie*, volume 67, issue 5, year 2016, pp. 842 - 846

2017: Processing, structure, property relationships and release kinetics of electrospun PLA/Carvacrol membranes, Scaffaro, R., Lopresti, F, European Polymer Journal volume 100, issue , year 2018, pp. 165 – 171, WOS: 000429760600019, *cited paper:* *cited paper:* ATR-FTIR Study of thyme and rosemary oils extracted by

supercritical carbon dioxide, Topala, C.M., Tataru, L.D., Revista de Chimie, volume 67, issue 5, year 2016, pp. 842 – 846

2017: SPECTROSCOPIC INVESTIGATION OF ESSENTIAL OIL COMPONENTS IN SOME THYME SPECIES, Fatma EROĞLU, Seda KÜLEN, Sebla DİNÇER, Merve GÜMÜŞSOY, *cited article:* FTIR Study of Thyme and Rosemary Oils Extracted by Supercritical Carbon Dioxide, autori C. M. Topala, LD Tătaru, Rev. Chim., 2016, 67(5), 842-846 - google citations (International Congress of Medicinal and Aromatic Plants, 10-12 mai 2017, 890-892}

2018: Optimised Pu-erh Tea Infusion by Experimental Design and Response Surface Methodology, Isopescu, Raluca Daniela; Josceanu, Ana Maria; Minca, Iulian Ilie; et al. , Volume: 69, Issue: 2, Pages: 310-317, Published: FEB 2018, WOS: 000427327700005, *cited paper:* ATR-FTIR Study of thyme and rosemary oils extracted by supercritical carbon dioxide, autori: Topala, C.M., Tataru, L.D., Revista de Chimie, volume 67, issue 5, year 2016, pp. 842 - 846

2018: Supercritical CO₂ impregnation of PLA/PCL films with natural substances for bacterial growth control in food packaging, Stoja Milovanovic, Gesa Hollermann, Cornelia Errenst Jelena Pajnik, Sulamith Frerich, Stephen Kroll Kurosch Rezwan, Jasna Ivanovic, FOOD RESEARCH INTERNATIONAL, Volume: 107, Pages: 486-495, Published: MAY 2018, WOS: 000430770700051, *cited paper:* ATR-FTIR Study of thyme and rosemary oils extracted by supercritical carbon dioxide, Topala, C.M., Tataru, L.D., Revista de Chimie, volume 67, issue 5, year 2016, pp. 842 - 846

2018: Efficacy of poly(lactic acid)/carvacrol electrospun membranes against Staphylococcus aureus and Candida albicans in single and mixed cultures,, Roberto Scaffaro, Francesco Lopresti, Manuela D'Arrigo, Antonia Nostro

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