



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Amalia Miklos**

Address(es)

Telephone(s)

Fax(es) -

E-mail

Nationality Romanian

Date of birth

Gender F

Education and training

Specialist Pharmacist in Clinical Pharmacy, Assistant professor, PhD student

Dates 2016 - present PhD student

2017 - present Assistant Professor at Department of Biochemistry and Environmental Chemistry of University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş
2015 – 2018 – Residency in Clinical Pharmacy

Principal subjects/occupational skills covered Pharmacist, 2010 - 2015

Name and type of organisation providing education and training Faculty of Pharmacy (University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş), 2010 - 2015
Department for the Training of Teaching Staff, Level 2, 2017 - 2018
Department for the Training of Teaching Staff, Level 1, 2010 - 2013
„Andrei Bârseanu” Theoretical High School, Nature Sciences profile, Târnăveni, 2006 - 2010

Work experience

Dates 2016 - 2017

Occupation or position held Pharmacist

Name and address of employer The Center for Advanced Medical and Pharmaceutical Research (CCAMF) of University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş

Dates 2015 - 2016

Occupation or position held Pharmacist

Name and address of employer SC Sibpharmamed SRL

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

Hungarian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

English		B2		B2		B2		B2		B2
French		B2		B2		B2		B2		B2

(*) Common European Framework of Reference for Languages

Organisational skills and competences	• 2015 - Organizer within CEEPUS „The 15th Symposium and Summer School on Bioanalysis, Tîrgu Mureş" • 2015-2018 - Member of the Commission for Continuing Residential Education, Faculty of Pharmacy, University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş
Technical skills and competences	• operating the Triple TOF 4600 (Mass spectrometer) equipment by participating at the training organised in Darmstadt, Germany (01.03 - 03.03.2016). • operating the UHPLC Flexar – 10 equipment by participating at the training organised by Cromatec Plus (17 - 18.02.2016). • sample preparation techniques for LC or LC-MS analyzes by attending the course "Methodologies for the development of reverse phase HPLC methods" (for the experimental part of the doctoral thesis). • modern methods of teaching for students, in Biochemistry practical laboratory works
Computer skills and competences	Microsoft Office (Word, Power Point, Excel).
Contests / Awards:	2010 – First place - Admission contest at Faculty of Pharmacy, University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş 2014 – First place at the contest „Communicating with the patient", International Scientific Congress Marisiensis 2015 – First place at the contest „Clinical skills", International Scientific Congress Marisiensis - Third place with the scientific paper „Hyperprolactinemia and modern antipsychotics?", International Scientific Congress Marisiensis 2015 – First place at the Residency exam, Clinical Pharmacy, November the 15th 2015 2016 – First place at the Doctoral admission contest, Faculty of Pharmacy, University of Medicine, Pharmacy, Sciences and Technology "George Emil Palade" of Târgu Mureş 2018 – "Premiul pentru aportul deosebit în activitatea de cercetare științifică", National Congress of Pharmacy, Romania, Bucharest, 26-29 september 2018.
Driving licence	Category B.

List of scientific papers published between 2015 and present

1 Articles *in extenso* published in ISI rated journals with impact factor

1. Tănase C, Domokos E, Coșarcă S, **Miklos A**, Imre S, Domokos J, Dehelean CA, Study of ultrasound-assisted Extraction of Polyphenols from Beech (*Fagus sylvatica* L.) Bark, *BioResources*, 2018, 13(2): 2247-2267. FI 1.334.
2. Croitoru MD, Fülöp I, **Miklos A**, Hosszú B, Tătar VL, Muntean DL, Presence of nitrate and nitrite in vegetables grown for self-consumption, *Farmacia*, 2015, 63(4): 530-533 FI (2016) = 1.348.
3. Croitoru MD, **Miklos A**, Fogarasi E, Coman MM, Fulop I, Evaluation of the ingestion of parabens during the use of dental care products by healthy human volunteers, *Farmacia*, 2016, 64(4): 594-598.
4. Vlase L, Imre S, Muntean DL, Ősz BE, **Miklos A**, Tero-Vescan A, Vari CE, New LC-MS/MS method for testosterone and dihydrotestosterone analysis in male rat plasma, *Farmacia*, 2016, 64(6): 834-839, FI (2016) = 1.348.
5. Vari CE, Ősz BE, **Miklos A**, Berbecaru-Iovan A, Tero-Vescan A, Aromatase inhibitors in men – off-label use, misuse, abuse and doping, *Farmacia*, 2016, 64(6): 813-818 FI (2016) = 1.348
6. Imre S, Esianu S, **Miklos A**, Tiuca I, Dicher I, Tero-Vescan A, Muntean DI, Oprean R, Qualitative Assays Of Essential Oils Of Lavender And Peppermint In Comercial Products Through Spectral And Chromatographic Methods, *Farmacia*, 2016, 64(6): 857-862 FI (2016) = 1.348
7. Vari CE, Ősz BE, Perian M, Mărușteru MȘ, **Miklos A.**, Bosa P, Tero-Vescan A, Do aromatase inhibitors reduce fertility and impair sexual behaviour in an androgen doping model in rats?, *Farmacia*, 2017, 65(3):336-342. FI 1.348



8. Fulop I, Vari CE, **Miklos A**, Imre S, LC-MS/MS ESI methods for the determination of oestrogens and androgens in biological matrix – a minireview, *Farmacia*, 2017, 65(4): 485-493. FI 1.348,
9. Tănase C, Coșarcă S, Toma F, Mare A, Man A, **Miklos A**, Imre S, Boz I, Antibacterial activities of Beech Bark (*Fagus Sylvatica* L.), polyphenolic extract, *Environmental Engineering and Management Journal*, 2018, 17(4): 877-884. IF 1.096
10. Tănase C, Coșarcă S, Toma F, Mare A, Coșarcă A, Man A, **Miklos A**, Imre S, Antibacterial activities of spruce bark (*Picea abies* L.) extract and its components against human pathogens, *Revista de Chimie*, 2018, 69(6): 1462-1467.
11. Tero-Vescan A, Osz BE, Batrînu M, **Miklos A**, Filip C, Imre S, Vari CE, Water hardness key element in choosing between washing efficiency with enzyme detergent and the lifespan of the washing machine, *Revista de Chimie*, 2018, 69(12).
12. **Miklos A**, Tero-Vescan A, Vari CE, Osz BE, Filip C, Rusz CM, Muntean DL, Selective androgen receptor modulators (SARMs) in the context of doping, *Farmacia*, 2018, 66(5): 758-762. FI 1.348
13. **Miklos A**, Tero-Vescan A, Farczádi L, Imre S, Vari CE, Muntean DL. Development of an Analytical Methodology for the Qualitative and Quantitative Characterization of Capsules with Andarine, in Order to Use them to Investigate the Pharmacotoxicological Profile of the Substance. *REV.CHIM.* 2019;70(8):2759-2763, FI (2018): 1.605
14. **Miklos A**, Tero-Vescan A, Farczádi L, Imre S, Vari CE, Muntean DL. Liquid chromatography-mass spectrometry methods for the determination of andarine and ostarine in rat serum after protein precipitation. *Farmacia*. 2019;67(5):772-779. DOI: <https://doi.org/10.31925/farmacia.2019.5.4>, FI (2019): 1.607

2 Articles in extenso published in BDI/B+ journals

1. **Miklos A**, Ciulea L, Vari CE, Imre S, Ősz BE, Tero-Vescan A, The efficiency and safety of L-carnitine and caffeine after short- and long-term administration, *Palestrica of the third millennium – Civilization and Sport*, 2016, 17(3): 229–232.
2. Tero-Vescan A, Filip C, Rădoni R, **Miklos A**, Osz BE, Urinary biochemical parameters modified during periodic fasting, *Acta Medica Transilvanica*, 2017, 22(4): 13-15.
3. Tero-Vescan A, **Miklos A**, Filip C, Rusz CM, Ősz BE, Health Risks Of Combining Weight Loss Dietary Supplements With A Ketogenic Diet In Case Of Intense Physical Effort, *Acta Medica Transilvanica*, 2018, vol. 23(2):8-10.
4. George J, Ősz BE, Vancea S, **Miklos A**, Tero-Vescan A, LC-MS Method for Determining Amiodarone and Desethylamiodarone in Rat Plasma Used in Endogenous Overdosing Conditions Following Lipolysis, *Acta Medica Marisiensis*, 2018; 64(3): 111-115.
5. Filip C, Tero-Vescan A, **Miklos A**, Hotnog AD, Ősz BE, Vegetal sprouts – are they a “living food”?, *AMT*, 2019, 24(1): 20-22.
6. **Miklos A**, Tero-Vescan A, Farczádi L, Muntean DL, Development and Validation of an UHPLC Method for Ostarine Determination in Dietary Supplements, *Acta Medica Marisiensis*, ahead of print, DOI: 10.2478/amma-2019-0008.

3 Articles published in summary in volumes of national scientific events

1. **Miklos A**, Rusz CM, Dogaru M, Vari CE, Hyperprolactinemia and modern antipsychotics?, The 19th International Scientific Congress for Students, Young Physicians and Pharmacists Marisiensis 22-26 april 2015, *AMM*, 61(S2): 87.
2. Tero-Vescan A, Ștefănescu R, Ciulea L, **Miklos A**, Vari CE, Osz BE, Imre S, Biochemical bases of using active substances of vegetal origin in dietary supplements for weight loss, Book of Abstracts, Romanian National Congress of Pharmacy, București, 2016, 211. ISSN 2537 – 2823, ISSN-L 2537 - 2823 (e-poster CNFR 2016, București, 28.09.2016-01.10.2016).
3. Tanase C, Coșarcă S, Toma F, Mare A, Man A, **Miklos A**, Imre S, Boz I, Antioxidant and antimicrobial activities of beech bark (*Fagus sylvatica* L.) polyphenolic extract, 3rd International Conference on Chemical Engineering Romania, Iași, 09 – 11 November 2016, Book of Abstracts, 2016 (format electronic).
4. Vari CE, Osz BE, Imre S, **Miklos A**, Maier A, Tero-Vescan A, Pre-screening of cytochrome P450 enzyme activity. Alternative analytical methods to pharmacogenetic studies, Scientific Session of University Educational Staff, 8-9 December 2016, *AMM*, vol 62 (supl 8): 81.
5. **Miklos A**, Vlase L., Dehelean C., Gliga L., Vari C.-E., Imre S., LC-MS/MS detection of testosterone in plasma without derivatisation. Comparison of different types of mass spectrometry detection, *AMM*, 2016, 62(supl.8): 7. EBSCO database journal. (prezentare orală).
6. Jițcă G, **Miklos A**, Tero-Vescan A, Ősz BE, Determination of caffeine content in dietary supplements for weight loss by a hplc-uv method. The 3rd International Sport Nutrition Conference “Transdisciplinary Research in Physical Therapy, Physical Activity and Sports Nutrition” Tîrgu Mureș, Romania 3-4 November 2017, *AMM*, Vol 63(3):66.
7. Moldovan OL, Tero-Vescan A, **Miklos A**, Ősz BE, Filip C, The use of soy proteins for junior athletes - between benefits and risks. The 3rd International Sport Nutrition Conference “Transdisciplinary Research in Physical Therapy, Physical Activity and Sports Nutrition” Tîrgu Mureș, Romania 3-4 November 2017, *AMM*, Vol 63(3):67.
8. Hotnog AD, **Miklos A**, Tero-Vescan A, Filip C, The advantages of vegetal sprouts consumption in the modern diet. The 3rd International Sport Nutrition Conference “Transdisciplinary Research in Physical Therapy, Physical Activity and Sports Nutrition” Tîrgu Mureș, Romania 3-4 November 2017, *AMM*, Vol 63(3):57.
9. Ardelean TD, **Miklos A**, Tero-Vescan A, Ősz BE, Metabolic differences between women and men in sports, The 3rd International Sport Nutrition Conference “Transdisciplinary Research in Physical Therapy, Physical Activity and Sports Nutrition” Tîrgu Mureș, Romania 3-4 November 2017, *AMM*, Vol 63(3):63-64.
10. **Miklos A**, Gliga L, Dehelean C, Vari CE, Imre S, Farczadi L, Development of a high-throughput LC-MS/MS method for the detection of testosterone in male rat plasma without derivatisation, *AMM*, 2017, 63 (S4): 10. ISSN 2068-3324, cod CNCIS 103 B+. EBSCO database journal.

11. Brihan D, Tero-Vescan A, Filip C, **Miklos A**, New approaches in food-dependent exercise-induced anaphylaxis, The 5th National Conference on Nutrition and Dietetics "Current nutritional approaches to food allergies and intolerances" Tîrgu Mureş, Romania May 4-5, 2018, *AMM*, vol 64 (21): 5.
12. Hotnog AD, Filip C, Tero-Vescan A, **Miklos A**, Wheat sprouts consumption in food allergies, The 5th National Conference on Nutrition and Dietetics "Current nutritional approaches to food allergies and intolerances" Tîrgu Mureş, Romania May 4-5, 2018, *AMM*, vol 64 (21): 10.
13. Moldovan OL, Tero-Vescan A, **Miklos A**, Filip C, Pharmaceutical counseling in lactose intolerance and milk protein allergy, The 5th National Conference on Nutrition and Dietetics "Current nutritional approaches to food allergies and intolerances" Tîrgu Mureş, Romania May 4-5, 2018, *AMM*, 64(21):12.
14. Ştirbăţ A.E., Tero-Vescan A., **Miklos A.**, Updates about phytoestrogens and their effects on the skin, Marisiensis Scientific Congress 2018, *AMM*, 64(1).
15. Bătrînu M., Tero-Vescan A., **Miklos A.**, The influence of some chemical physical chemical parameters on the enzymatic activity of detergents on the romanian market, Marisiensis Scientific Congress 2018, *AMM*, 64(1): 82-83.
16. Miklos A, Tero-Vescan A, Filip C, Oprea VC, Muntean DL, Selective androgen receptor modulators (SARMs) - between therapy and doping, 2018, 27-28, a 4-a CONFERINȚĂ NAȚIONALĂ DE MEDICINĂ APLICATĂ LA EDUCAȚIA FIZICĂ ȘI SPORT „Iuliu Hațieganu”, Cluj-Napoca.
17. **Miklos A**, Farczádi L, Tero-Vescan A, Imre S, Muntean DL, Preliminary qualitative and quantitative studies of dietary supplements (capsules) with andarine to aid with the design of an animal doping model, Volum de rezumate, 2018, 1: 110-111, a 11-a Conferință anuală a doctoranzilor și post-doctoranzilor, 10-14 decembrie, Tîrgu Mureş.
18. Cuzuioc I, **Miklos A**, Filip C, Tero-Vescan A, Benefits and risks associated with beta-alanine dietary supplements used by professional and amateur athletes, *AMM*, International Congress for Students, Young Doctors and Pharmacists MARISIENSIS, 2019, 65 (S1): 55. ISSN 2068-3324, cod CNCIS 103 B+. EBSCO database journal.
19. Péterfi O, Şerban Gâz A, **Miklos A**, Determination of andarine using complexation with metal cation, by uv spectroscopy, *AMM*, International Congress for Students, Young Doctors and Pharmacists MARISIENSIS, 2019, 65 (S1): 67
20. Crişan RE, **Miklos A**, Filip C, Tero-Vescan A, Study on the quality of "own-brand" products in a local supermarket, *AMM*, International Congress for Students, Young Doctors and Pharmacists MARISIENSIS, 2019, 65 (S1): 129.

4 Articles published in summary in volumes of international scientific events

1. **Miklos A**, Tero-Vescan A, Bătrînu M, Filip C, Vari CE, Osz BE, Imre S, Reactive enzyme based laundry detergents – a way of saving energy. The influence of water hardness on the cleaning efficiency, 11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19-22 march, 2018, Granada, Spania.
2. Filip C, **Miklos A**, Tero-Vescan A, Studies regarding the content in live `nutrients of vegetal germs from different types of cultures`, 11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19-22th march, 2018, Granada, Spania.
3. Tero-Vescan A, Vari CE, Osz BE, **Miklos A**, Imre S, Labeling dietary supplements – a possible source of therapeutic errors, 11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, 19-22th march, 2018, Granada, Spania
4. Tero-Vescan A, **Miklos A**, Ősz BE, Filip C, Sexual behavior of ovariectomized female rats after chronic genistein administration, 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) in cooperation with the French Society of Pharmacognosy AFERP, Innsbruck, 1-5 september 2019, *Planta Medica*, 2019; 85: 1548.
5. **Miklos A**, Tero-Vescan A, Filip C, Ősz BE, Genistein therapy in an animal model of estrogen deficiency, 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) in cooperation with the French Society of Pharmacognosy AFERP, Innsbruck, 1-5 september 2019, *Planta Medica* 2019; 85: 1577.
6. Ősz BE, Tero-Vescan A, **Miklos A**, Quantitative control of dietary supplements containing caffeine, 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) in cooperation with the French Society of Pharmacognosy AFERP, Innsbruck, 1-5 september 2019, *Planta Medica* 2019; 85: 1580.

5 Books

1. Amelia Tero-Vescan, Bianca-Eugenia Osz, **Amalia Miklos**, Substanțele minerale, factori esențiali în nutriție. O abordare din perspectivă biochimică și farmacologică, 2020, Editura University Press Tîrgu Mureş, ISBN 978-973-169-642-3.

6 Grants/Mobility projects won by national competitions:

1. Mobility projects for researchers/UEFISCDI, Program PN III Development of the national research and development system, human resources subprogram, 1 september 2017-31 march 2018, project code 596/18.12.2017. (project director)
2. Excellence through internationalization at University of Medicine and Pharmacy of Tîrgu Mureş, project code CNFIS-FDI-2018-0195, The competition for projects funded by the Institutional Development Fund for state universities – FDI 2018, coordinated by The National Council for Financing Higher Education, Strategic financing area D2 - internationalization. Periode 21.05.2018-20.12.2018. Value 299.000 LEI, project director: Prof. Dr. Angela Borda. (member)
3. Mobility projects for researchers /UEFISCDI, Program PN III Development of the national research and development system, human resources subprogram, 26 -30th november 2018, project code 5445/13.06.2018 (project director).

4. 'Excelence in doctoral research, Strategies to strengthen the international impact of research in Doctoral Schools at UMFST Târgu Mureş', CNFIS – FDI-2019-0198. Periode 13.05.2019-20.12.2019, research assistant (project member).
5. Mobility projects for researchers/UEFISCDI, Program PN III Development of the national research and development system, human resources subprogram, 1-5th september 2019, project code 35/07.08.2019 (project director).
6. Mobility projects for researchers/UEFISCDI, Program PN III Development of the national research and development system, human resources subprogram, 6-9th september 2019, project code 37/07.08.2019 (project director).

