



Arita Sabriu Haxhijaha

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● WORK EXPERIENCE

06/2022 – CURRENT

ASSISTANT PROFESSOR "MOTHER TERESA" UNIVERSITY - SKOPJE

Teaching: Biochemistry, Quality control of food products, HACCP and Halal
Research in area of bioengineering and biotechnology

08/2016 – 06/2022 Skopje, North Macedonia

UNIVERSITY TEACHING ASSISTANT "MOTHER TERESA" UNIVERSITY - SKOPJE

- teaching and research assistant of Biochemistry, Food and nutrition and Molecular biology in Faculty of Technological sciences - Food technology
- daily time lab activities with students in order to fulfill subject requirements
- creating subject syllabus
- preparing course curricula for new professional study program
- research activities in the field of food safety and methodology of Real Time PCR

01/2019 – 07/2019 Skopje, North Macedonia

ACTING VICE DEAN FOR EDUCATION FACULTY OF TECHNOLOGICAL SCIENCES , "MOTHER TERESA" UNIVERSITY - SKOPJE

08/2009 – 12/2016 Tetovo, North Macedonia

UNIVERSITY TEACHING ASSISTANT STATE UNIVERSITY OF TETOVA

- teaching and research assistant of Biochemistry and Clinical biochemistry at Faculty of Medical Sciences, Faculty of Pharmacy and Faculty of Natural Sciences.
- daily time lab activities with students in order to fulfill subject requirements
- creating subject syllabus
- scientific research and mentoring students in preparing under-graduating and master thesis from planning, literature review, lab activities, statistical analysis of data, writing tips

01/2016 – 06/2016

UNIVERSITY TEACHING ASSISTANT UNIVERSITY " SS. CYRIL AND METHODIUS" - SKOPJE, FACULTY OF NATURAL SCIENCES & MATHEMATICS

Teaching and research assistant of Biochemistry

08/2011 – 07/2013 Tetovo, North Macedonia

BIOLOGY TEACHER SECONDARY SCHOOL AMERICAN COLLEGE " WOODROW WILSON"

- Head of science department
- Professor of biology in middle and high school
- creating course curriculum for core subjects based on national educational programs combined with international standards
- planning the budget for laboratory experiments and field trips
- organizing science fair with high school students

● EDUCATION AND TRAINING

2014 – 2021

DOCTOR OF SCIENCE IN FOOD SAFETY University " Ss. Cyril and Methodius" - Skopje Faculty of veterinary medicine

Development and validation of DNA extraction method
Gel electrophoresis
Conventional PCR
Optimization and validation of real-time PCR method
Pulsed field gel electrophoresis

Thesis "Optimization and validation of real-time PCR method for analysis of genetically modified food"

2008 – 2014 Skopje

MASTER OF SCIENCE IN BIOLOGY - BIOCHEMISTRY-PHYSIOLOGY MAJOR University " Ss. Cyril and Methodius" - Skopje Faculty of natural sciences & mathematics

Master thesis: " Antioxidative activity of fungal supplements at apolipoprotein E deficient mice (apoE KO^{-/-}) treated with chemical carcinogen"

2012 Tetovo

REQUALIFICATION FOR PEDAGOGICAL-PSYCHOLOGICAL AND METHODOLOGICAL PREPARATION State University of Tetova Faculty of Philosophy, Program of pedagogy - psychology

2001 – 2008 Skopje

BACHELOR OF SCIENCE IN BIOLOGY - BIOCHEMISTRY-PHYSIOLOGY MAJOR University "Ss. Cyril and Methodius" - Skopje Faculty of natural sciences & mathematics

Thesis: " Evaluation of oxidative stress in the liver of animal model with induced hyperlipidemia "

● LANGUAGE SKILLS

Mother tongue(s): **ALBANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
MACEDONIAN	C2	C2	C2	C2	C2
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

Conferences Vladimir Kitanovski, Olga Popovska, **Arita Sabriu-Haxhijaha**. Evaluation of rosemary (Salvia rosmarinus) effect on characteristics of wheat flour biscuits. 4th International Symposium for agriculture and food. 12-14 October, 2022, Ohrid, North Macedonia

Suzana Jordanovska, **Arita Sabriu Haxhijaha**, Olga Popovska, Nora Limani Bektashi. Enzyme activity of superoxide dismutase at barley sprouts, 5th Towards Sustainable Development Conference, 29 October, 2021. Skopje.

Arita Sabriu Haxhijaha, Olga Popovska. Spectrophotometric determination of total sterols in margarine. 18th Wellmann International Scientific Conference, 13 May, 2021, Hungary

Zimere S. Musliji, **Arita S. Haxhijaha**, Azis Pollozhani, Eva Vlaski, Jana Serafimovska, Zoran T. Popovski. Analysis of the relationship between biochemical markers, gender and Body Mass Index. 4th International conference Towards Sustainable Development. 18.12.2020, Skopje, R. of North Macedonia

Sani Demiri, Olga Popovska, **Arita Sabriu -Hadjijaha**, Zoran T. Popovski, Elizabeta Miskoska-Milevska, Monika Lutovska, Azis Pollozhani. Development of new techniques for estimation of air, water and soil quality in the Republic of Macedonia. 2nd Toward Sustainable Development Conference. Skopje, 3 November 2018

Zoran T. Popovski, Olga Popovska, Sani Demiri, Zimere Saiti-Musliji, Daniela Dimovska, **Arita Sabriu-Haxhijaha**, Azis Pollozhani. Strengthening of biotechnological education in Macedonia as an important development component. 2nd Toward Sustainable Development Conference. Skopje, 3 November 2018

Gjylai Alija, Zehra Hajrullai-Musliu, **Arita Sabriu- Haxhijaha**. Optimization and Validation of the Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) Method for Residues Analysis of Amoxicillin and Sulfadimidin in Milk Using Liquid-Liquid Extraction (LLE). Second international scientific conference of the faculty of medical sciences. 13-14 October, 2017, Tetovo

Gorica Popova, Dean Jankulovski, Lazo Pendovski, Zehra Hajrulai-Musliu, **Arita Sabriu**, Katerina Blagoevska (2015) Pulsed-field gel electrophoresis used for epidemiological study of extended spectrum β lactamases - producing *Escherichia coli* colonizing respiratory tract in children. *Mac Vet Rev* 2015; 38 (suppl.1), 49

Seminars

- Parma Summer School "Innovative food products", EFSA, 26-28 September, 2023, online
- ONE conference - Health, environment, society, EFSA, 21-24 June, 2022, online
- International symposium "Integrated approach to environmental, animal and human health", 07 July 2023, Prizren, Kosovo
- Eurofins webinar " How to sensitively detect your target DNA for GMO analysis in food and feed matrices", 18 May 2022
- FAO "2022 International day of plant health celebration", virtual event
- Bio-Rad virtual workshop on real-time PCR techniques, 21 April 2022
- EFSA virtual workshop " Stakeholder workshop on small particles and nanoparticles in food", 31 March-01 April, 2022
- International symposium "Bio-food production, standards, trends and challenges", Skopje 17.12.2021
- International symposium "Contemporary regulatory and scientific issues in meat safety", Prishtina 02.07.2021
- Parma Summer School " One health" - European Food Safety Authority , 9-10 June, 2020, Parma, Italy
- Training for EBSCO Databases and Services, 16 May 2019, Skopje
- Training - Introduction to Bio-Rad and Legionella PCR detection. 8 May, 2019, Skopje
- Workshop at Joint meeting of 5th International Vet-Istanbul Group Congress & 8th International Scientific Meeting Days of Veterinary Medicine, 23-27 September, 2018.
- Twinning project "Developing cooperation between higher education institutions, the private sector and relevant public bodies". Workshop for sharing experiences on evaluation techniques of teaching programs and their application in practice. 22 February, 2017, Skopje
- Workshop at the Days of veterinary medicine, 22-24, September, 2016
- Training program of observation and monitoring of clinical practices on the framework of Medical faculty Internship program - Trakya University, Faculty of medicine, Edirne , Turkey, July 2011
- Evidence – based practise at German Center for Evidence – based Nursing, Martin – Luther-Universität, Halle Wittenberg, Germany , January 2010

PUBLICATIONS

Publications

Arita Sabriu- Haxhijaha, Velimir Stojkovski, Gordana Ilievska, Dean Jankuloski, Katerina Blagoevska (2022). RNase A enzyme modification of optimized SDS protocol for DNA extraction suitable for real-time PCR screening of GMOs. *Macedonian Veterinary Review*. 45 (1): 17-25

Arita Sabriu-Haxhijaha, Suzana Jordanovska, Olga Popovska (2021). Analysis of clove (*Syzygium aromaticum* L.) oil obtained with hydrodistillation and ultrasound-assisted extraction. *Horizons*. 9: 65-73

Vladimir Kitanovski, **Arita Sabriu-Haxhijaha**, Olga Popovska, Sani Demiri (2021). The role of information technology (IT) in food systems sustainability. *Horizons*. 9: 159-165

Zimere S. Musliji, **Arita S. Haxhijaha**, Azis Pollozhani, Eva Vlaski, Jana Serafimovska, Zoran T. Popovski (2021). Analysis of the relationship between biochemical markers, gender, and body mass index. *South East European Journal of Sustainable development*. 5(1): 7-12

Fisnik Nuhi, **Arita Sabriu-Haxhijaha**, Olga Popovska, Azis Pollozhani (2021).). A comparative study of extraction methods of bioactive compounds from *Nigella sativa* L. seed. *Macedonian pharmaceutical bulletin*. (accepted for publication in volume 66 (supplement 2),2021)

Vesna Smiljevaska - Ristovska, **Arita Sabriu - Haxhijaha**, Trpe Ristoski, Frosina Kosharkoska - Spasovska, Ljupcho Krstanovski, Jasmina Dimitrova - Shumkovska. (2020). Markers involved in proinflammatory effects by environmental toxicants. *Toxicology mechanisms and methods*. 30 (8): 570-579 (IF=2.987)

Arita Sabriu - Haxhijaha, Gordana Ilievska, Velimir Stojkovski, Katerina Blagoevska (2020). A modified SDS-based method applied for extraction of high-quality DNA from row corn and roasted soybean. *Macedonian Veterinary Review* 43(1): 61-67

Arita Sabriu - Haxhijaha, Olga Popovska, Zana Mustafa (2020). Thin-layer chromatography analysis of *Nigella sativa* L. essential oil. *Journal of Hygienic Engineering and Design*. Vol.31.152-156

Zimere S. Musliji, Tatyana V. Konovalova, **Arita S. Hadzijaha**, Marija Terzic, Aleksandar Aceski, Aleksandar Tufekchievski, Zoran T. Popovski (2019). Optimisation of PCR conditions for molecular characterization of a group of 'sports and obesity genes'. *Research in physical education, sport and health*. 9 (2):65-67

Sani Demiri, Olga Popovska, **Arita Sabriu Haxhijaha**, Elizabeta Miskoska-Milevska, Monika Lutovska, Aziz Pollozhani, Zoran T. Popovski (2018). Development of new techniques for estimation of air, water and soil quality in the Republic of Macedonia. *South East European Journal of Sustainable Development*. 2: 43-50

Vesna Smiljevaska-Ristovska, Jasmina Dimitrova-Shumkovska, **Arita Sabriu**, Marieta Shtakleva (2015) Effect of different doses and time of exposure of xenobiotic chemical on oxidative stress parameters in kidney. *Biol Macedonica* 64:42-54

Albina Ademi, Beqir Ademi, **Arita Sabriu**, Faton Ademi (2011) Psychological factor and socioeconomic status risk factor for acute coronary syndrome in population of Tetovo and vicinity. *Medicus*.XVI(2):45-49

PROJECTS

Projects 2021-2022

"Mother Teresa" University in Skopje, "Analysis of the relationship between appropriate biochemical markers, age, gender and body mass index in the context of obesity"

2020-2021

"Mother Teresa" University in Skopje, "Analysis of essential oil of *Nigella sativa* L."

2007-2009

Student researcher in a project between Faculty of natural sciences & mathematics, University "Ss. Cyril and Methodius" - Skopje and Israel Institute of technology, Technion, Israel " The Peripheral-Type Benzodiazepine Receptors : Carcinogenesis and Steroidogenic production; 18kDa Translocator protein and oxidative stress *in vivo*" Horowitz Research Fund, 2000156, Elias Medical Research Fund, 2009264, Technion, Israel

2007-2008

Student researcher in a project between Ministry of education of Republic of Macedonia and Ministry of science and forestry of Republic of Slovenia "Anticarcinogenic and antiatherogenic activity of sporocarp extract from selected taxa, typical for the region of Balcan Peninsula in correlation to the phylogenetic position of source fungi"

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills - good communication experience gained through my career as teaching assistant working with students of different ages

PRESENTATIONS

Presentations

Arita Sabriu Haxhijaha, Zimere Saiti Musliji, Vladimir Kitanovski, Katerina Blagoevska, Azis Pollozhani. Are genetically modified organisms a possible tool for sustainable agriculture or a threat? 3rd International Conference on Agriculture and life sciences in Albania (ICOALS III). 1-3 November, 2021. Tirana, Albania

Arita Sabriu Haxhijaha, Velimir Stojkovski, Katerina Blagoevska, Gordana Ilievska, Dean Jankuloski. Simple DNA extraction method for accurate screening of 35S and T-nos in corn and soya products. 10th Central European Congress on Food. 10-12 June 2021, Sarajevo, Bosnia and Herzegovina

Arita Sabriu Haxhijaha, Olga Popovska, Suzana Jordanovska. TLC screening of active compounds of orange peel oil extracted with different methods. 5th Towards Sustainable Development Conference, 29 October, 2021, Skopje

Arita Sabriu - Haxhijaha, Olga Popovska. Encapsulation of peroxidase from various vegetables in nanoemulsion formulation. 4th International conference Towards Sustainable Development, 18.12.2020, Skopje, R. of North Macedonia

Arita Sabriu- Haxhijaha, Zimere Saiti-Musliji, Zana Mustafa, Olga Popovska, Aziz Pollozhani. A sustainable UV-Vis spectrophotometric method for fluoride determination. 3rd Toward Sustainable Development Conference. 25 October 2019, Skopje, R. of North Macedonia

Arita Sabriu – Haxhijaha, Olga Popovska, Zana Mustafa. Thin-layer chromatography analysis of *Nigella sativa* L. essential oil. Congress on Food Quality and Safety, Health and Nutrition – NUTRICON 2019, 12-14 June 2019, Ohrid, R. of North Macedonia

Arita Sabriu – Haxhijaha, Olga Popovska, Zana Mustafa. Phytochemical screening of antioxidative compounds and reductive ability of *Nigella sativa* seed extracts. 2nd Toward Sustainable Development Conference. 3 November 2018, Skopje, Macedonia

Arita Sabriu – Haxhijaha, Velimir Stojkovski, Zehra Hajrulai- Musliu, Dean Jankuloski, Zagorka Popova, Katerina Blagoevska. Comparative evaluation of the quality of extracted genomic DNA for GMO screening. Joint meeting 5th International Vet-Istanbul Group & 8th International Scientific Meeting Days of Veterinary Medicine, 23-27 September, 2018, Ohrid, Macedonia.

Arita Sabriu – Haxhijaha, Velimir Stojkovski, Katerina Blagoevska, Dean Jankuloski. Assessment of commercial screening real-time PCR assay for GMO detection targeting 35S, FMV promoters and NOS terminator. Days of veterinary medicine. 7th International scientific meeting. 22-24 September, 2016, Struga, Macedonia

Dimitrova-Shumkovska, J., Došič-Markovska, B., Štakleva, M., **Sabriu, A.**, Košarkoska, F., Naunovska, E., Guržanova-Durnev, Lj. Oxidative stress in male rats fed a high fat-high cholesterol diet. Involvement of advanced oxidation protein products. Proceeding of the 17-th Meeting of the Balkan Clinical Laboratory Federation & 5-th Macedonian National Congress of Medical Biochemists p.77, September, 2009. Ohrid. Macedonia

CERTIFICATIONS

Certifications

Arita Sabriu – Haxhijaha. HACCP implementation, maintenance and modification (according Codex Alimentarius) – training and exam. Consulting&Training Center, 10-12 June, 2019, Ohrid, R. of North Macedonia

COURSES

Courses

Course of bioinformatics. Lectures and practical exercises related to the usage of bioinformatic tools in DNA, RNA and protein analysis. 11-15 November, 2019, Skopje