CV **Fatos Rexhepi**



Prishtina

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Gender: M | **Nationality:** Kosovo

Education Level:

2014	-	**Doctor in Chemical Analysis of Materials and Environment**
	-	**University of Tirana- Republic of Albania**
	-	**Faculty of Natural Sciences**
	-	**Thesis Title:** Sample preparation and analysis of Arsenolipids in food samples by GC/MS.
	-	**Supervisor:** Prof. Dr. Sokol Abazi (Professor of Organic Chemistry, Department of Chemistry, Faculty of Natural Sciences – University of Tirana
	-	**Dissertation defense date:** April 11, 2014
	-	**Sector:** Public
2008	-	**Master of Chemistry-Chemical Analysis and Identification of Molecular Structure by Instrumental Methods**
	-	**University of Tirana- Republic of Albania**
	-	**Faculty of Natural Sciences**
	-	**Thesis Title:** Separation and Determination of Fatty Acids in Egg Yolk Using the GC/MS Technique
	-	**Supervisor:** Prof. Dr. Pandeli Troja (Professor of Organic Chemistry, Department of Chemistry, Faculty of Natural Sciences – University of Tirana).
	-	**Defense Date:** December 15, 2008
	-	**Sector:** Public
2005	-	**Basic Studies (4-years) – Engineer of Chemistry**
	-	**University of Prishtina "Hasan Prishtina", Prishtina – Republic of Kosovo**
	-	**Faculty of Mathematical and Natural Science-Department of Chemistry**
	-	**Sector:** Public

Academic level:

2007-2016	-	**Asistant**
	-	**Faculty of Mining and Metallurgy (Faculty of Geosciences and Technology) - Mitrovica, University of Prishtina, Republic of Kosovo**
	-	**Teacher, laboratory exercises, exams, seminars, research, etc.**
	-	**Status:** Permanent
	-	**Sector:** Public
2016-2020	-	**Assistant Professor – Prof. ass. dr.**
	-	**Faculty of Food Technology, University "Isa Boletini", Mitrovica**
	-	**Teacher, laboratory exercises, exams, seminars, research, etc.**
	-	**Status:** Permanent
	-	**Public Sector**
2020-Present	-	**Associate Professor – Prof. asoc. dr.**

- **Faculty of Food Technology, University "Isa Boletini", Mitrovica**
- **Teacher, laboratory exercises, exams, seminars, research, etc.**
- **Status:** Permanent
- **Sector:** Public

Professional-managerial experience:

01.10.2009-Present	- **Faculty Council Member**
01.11.2022-Present	- **Member of the Technical Committee for Metrology, Kosovo Agency of Standardization**
10.10.2022-Present	- **Member of the Appeals Committee in the Kosovo Accreditation Agency (KAA)**

Research Articles:

1. Mensur Kelmendi; Sokol Abazi; Aziz Behrami, **Fatos Rexhepi "Determination of total arsenic in fish oil by GF-AAS after separation/pre-concentration by solid phase extraction" Journal of Chemical Technology and Metallurgy, 52, no. 5, (2017): 950-955. Indexing: Scopus https://dl.uctm.edu/journal/node/j2017-5/19-17-60_Fatos_950-955.pdf.**
2. **Fatos REXHEPI;** Gresa KURTI; Flora FERATI; Shkumbin SHALA. **FTIR-SPECTROSCOPY STUDY OF MICROWAVE AND CONVENTIONAL HEATING ON THE DEGRADATION OF MARGARINE AND BUTTER, European Journal of Materials Science and Engineering, Volume 4, Issue 1, March 2019, 3-10. Indeksimi: DOAJ https://ejmse.ro/articles/EJMSE_04_01_01_Rexhepi.pdf. DOI:10.36868/ejmse.2019.04.01.003**
3. Raif BYTYQI, **Fatos REXHEPI CHEMICAL CHARACTERIZATION OF HEAVY FUEL OIL WHICH IS USED FOR BURNING IN POWERPLANT "KOSOVO-B" BY FTIR-SPECTROSCOPY. European Journal of Materials Science and Engineering, Volume 4, Issue 4,** 2019, **161-165. Indexing: DOAJ https://ejmse.ro/articles/EJMSE_04_04_01_Bytyqi.pdf. DOI:10.36868/ejmse.2019.04.04.161.**
4. **Fatos Rexhepi,** Andriana Surleva, Arbër Hyseni, Melisa Bruçi, Blerina Kodraliu **COMPREHENSIVE INVESTIGATION OF THERMAL DEGRADATION CHARACTERISTICS AND PROPERTIES CHANGES OF PLANT EDIBLE OILS BY FTIR-SPECTROSCOPY, ACTA CHEMICA IASI, Volume 27, Issue 2, 2019, 207-230. Indexing: DOAJ, Web of Science Core Collection-Emerging Sources Citation Index. https://www.chem.uaic.ro/files/File/acta-chemica/aci_vol_27_2_2019/17.pdf. DOI: 10.2478/achi-2019-0017.**
5. Aziz BEHRAMI, Marigona ÇOLLAKU, Arbër HYSENI, Faik ALILI, **Fatos REXHEPI ROSEMARY EXTRACT CAN BE USED AS A NATURAL PROTECTIVE AGENT AGAINST DECOMPOSITION OF FREE FATTY ACIDS. European Journal of Materials Science and Engineering, Volume 5, Issue 1, 2020, 32-36. Indexing: DOAJ https://ejmse.ro/articles/EJMSE_05_01_05_Behrami.pdf DOI 10.36868/ejmse.2020.05.01.032.**
6. **Fatos Rexhepi ANTIOXIDANT ACTIVITY OF PUMPKIN SEED OIL AND ITS EFFECT ON OXIDATIVE STABILITY OF SUNFLOWER OIL MONITORED BY FTIR SPECTROSCOPY TECHNIQUE**

	European Journal of Materials Science and Engineering, Volume 5, Issue 2, 2020, 51-57. **Indexing: DOAJ** **https://ejmse.ro/articles/EJMSE_05_02_01_Rexhepi.pdf** **DOI 10.36868/ejmse.2020.05.02.051.**
7.	Artan GASHI, Mila ARAPCHESKA, **Fatos REXHEPI** **EFFECT OF ROSEMARY EXTRACT ON THERMAL STABILITY OF SUNFLOWER OIL. FOOD AND ENVIRONMENT SAFETY. Volume XIX, Issue 4 -2020, 267-274.** **Indexing: EBSCO** **http://fens.usv.ro/index.php/FENS/article/view/749/670**
8.	Shala Shkumbin , Aleksander-Kwaterczak Urszula , **Rexhepi Fatos "Long-term changes in air quality. The case of Pristina (Kosovo)"** Geology, Geophysics and Environment. **2022, vol. 48 (1): 5–18.**
9.	**Fatos Rexhepi,** Aziz Behrami, Cristina Samaniego-Sánchez, Maksim Rebezov, Mohammad Ali Shariati, Artur Bastian da Silva, Sávio Leandro Bertoli, Carolina Krebs de Souza **CHEMICAL CHANGES OF PUMPKIN SEED OILS AND THE IMPACT ON LIPID STABILITY DURING THERMAL TREATMENT: STUDY BY FTIR – SPECTROSCOPY. Journal of Microbiolology, Biotechnology and Food Science, 2022 (6).** **Indexing: Scopus** **DOI: https://doi.org/10.55251/jmbfs.5839**
10.	Artan Gashi, Georgi Chernev, Edyta Symoniuk, Zivko Jankulovski, Carolina Krebs de Souza, and **Fatos Rexhepi**. **"EVALUATION OF THE OXIDATIVE THERMAL STABILITY OF FISH OIL WITH THE ADDITION OF PUMPKIN SEED OIL OR ROSEMARY EXTRACT."** Journal of Chemical Technology and Metallurgy 59, no. 1 (2024): 61-72. DOI:**10.59957/jctm.v59.i1.2024.7**.
11.	Egzona Osmani, Iva Dimitrievska, Perica Paunovik, Katerina Atkovska, **Fatos Rexhepi**, Anita Grozdanov. **"APPLICATION OF FLY ASH/CHITOSAN COMPOSITES FOR HEAVY METAL ADSORPTION"** Composites Theory and Practice 24: 2 (2024) 87-94.
12.	Bytyçi, R., Gashi, A., KREBS De SOUZA, C., Knebel Kuhn, C., **Rexhepi, F."INFLUENCE OF METAL IONS ON THE OXIDATIVE STABILITY OF HEATED MILK: STUDY BY ATR-FTIR SPECTROSCOPY AND CHEMOMETRICS"** Revue Roumaine de Chimie, 2024, 69(7-8), pp. 433–439.
13.	**Fatos Rexhepi**, Andriana Surleva, Valdet Gjinovci. **Application of FTIR spectroscopy and multivariate calibration for prediction of acrylamide in potato chips commercial samples.** Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 329 (2025) 125655**.**
14.	**REXHEPI, F**., PUȘCAȘ, A., & GJINOVCI, V. (2025). DETERMINATION OF ETHANOL CONTENT OF FERMENTED ALCOHOLIC BEVERAGES WITH FTIR SPECTROSCOPY AND MULTIVARIATE CALIBRATION. *Rev. Roum. Chim*, *70*(1-2), 111-118.

National and International Conferences:

1.	**Fatos Rexhepi &** Aziz Behrami **Physicochemical changes of pumpkin seed oils during seed roasting and impact in lipid stability of roasted pumpkin seed oil.** Conference of Environmental and Natural Sciences, part of the XVI Meeting of the IAS, Skopje, North Macedonia, on October 1-3, 2021.
2.	Valdet GJINOVCI, Artan GASHI, **Fatos REXHEPI** **Effect of roasted pumpkin seed oil on thermal stability of fish oil -Study by FTIR Spectroscopy.** **Congress, University of Tetova on 18 May 2022.**
3.	**Fatos Rexhepi &** Eldina Latifi **Study of chemical changes of edible oil and evaluation of frying oil quality by Fourier Transform-Infrared (FT-IR) Spectroscopy.** Conference of Environmental and Natural Sciences, part of the XVII Meeting of IAS, Tirana, on October 1, 2022.

4.	Osmani Mirsade**, Rexhepi Fatos** **FTIR spectroscopy structural analysis of the interaction between Milk Lipids and metal ions.** International Conference on New Achievements in Science, Technology and Arts ICNA-STA 04-04 May 2023, Prishtinë.
5.	**Fatos REXHEPI**, Raif BYTYQI, Artan GASHI, Flora FERATI **FTIR SPECTROSCOPY STRUCTURAL ANALYSIS OF THE INTERACTION BETWEEN LIPIDS AND METAL IONS** Congress, University of Tetova on 17-19 May 2023.
6.	**Fatos Rexhepi** and Artan Gashi. **FTIR-ATR coupled with chemometrics of multivariate calibration for determination of Ethanol level in fermented alcoholic beverages** International Multidisciplinary Geosciences Conference (IMGC 2024) October 2024, Mitrovica, Kosovo.
7.	**Fatos Rexhepi and Artan Gashi** **DETERMINATION OF THE FULLY OXIDIZED OIL CONTENT USING FTIR SPECTROSCOPY AND MULTIVARIATE CALIBRATION** **2nd Conference for Green Engineering, Sustainable Materials and Technologies for Circular Economy, GREEN CIRC 2025**

Trainings - courses:

2025	**Participation in the Training School "Assessing Acrylamide Hazards: Strategies for Risk Mitigation and Legislative Approaches Across Different Countries", Tirana, 17–19 September 2025. COST Action CA21149 – ACRYRED ("Reducing acrylamide exposure of consumers by a cereals supply-chain approach targeting asparagine").**
2024	**Mobility for academic staff (lectures, research and other academic activities) through the Erasmus Plus program, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Food Science and Technology.**
2022	**Advanced Training:** "Planning and implementation of teaching in higher education", organized and implemented by the Center for Excellence in Teaching of the University of Pristina
2016	**Basic Training:** "Learning and ethics in higher education; Assessment and assessment standards in higher education institutions; Active learning in higher education", organized and implemented by the Center for Excellence in Teaching of the University of Pristina.
2016	Four-month stay for advanced research in the field of synthesis of aldehydes catalyzed by enzymes in vivo, at the Technical University of Vienna, through the program Joint Excellence for Science and Humanities, Austrian Academy of Sciences.
2016	**Mobility for academic staff (lectures, research and other academic activities) through the Green Tech-Erasmus Mundus program, University of Chemical Technology and Metallurgy, Department of Chemistry, Sofia, Bulgaria.**
2011/2012	**Ten-month stay at the Karl-Frenzens Institute of Analytical Chemistry at the University of Graz-Austria-OAD-Scholarship**
2010	**Three-month stay at the Karl-Frenzens Institute of Analytical Chemistry at the University of Graz-Austria-OAD-Scholarship**
2009	**Training according to the PROBLEM LEARNING program (8 hours), Kosovo Education Center (KEC)**

Profesional Projects:

1.	**Member of the project "Isolation of Bacillus bacteria from the soil sample for the production of protease enzyme from the waste of the Food Industry" (Project with protocol number 2-3970-3) within the framework of MEST Small scientific projects.**

Additional information:

Organizational skills and competencies:	**Lecture, Presentation, Initiative.**
Computer knowledge and competences:	**OriginPro, Multivariate analysis, PCA, PLSR.**