

Curriculum Vitae



Personal information

First name / Surname **Kledi Xhaxhiu**

Address Department of Chemistry, Faculty of Natural Sciences, Blv. "Zog I", No. 2/1, 1001 Tirana, Albania

E-mail kledi.xhaxhiu@fshn.edu.al; kledi.xhaxhiu@unitir.edu.al

Nationality Albanian

Date of birth 20.08.1977

Gender Male

Marital status Unmarried

Present occupation

Since 10.10.2017 - Full time lecturer and researcher at the Faculty of Natural Sciences, University of Tirana

Work experience

Dates 02.03.2016 – 09.10.2017

Occupation or position held Deputy Minister of Environment

Name and address of employer Ministry of Environment, Blv. "Zhan D'Ark" No. 23, 1001 Tirana, Albania

Dates 06.03.2006 – 01.03.2016

Occupation or position held Full time Lecturer & researcher at the Department of Chemistry, Faculty of Natural Sciences, University of Tirana.

Main activities and responsibilities Lectures, seminars and practical courses of the following disciplines:

- **Crystallography** (Bachelor, Chemistry branch)
- **Vibrational Spectroscopy** (Master, Chemistry branch)
- **Colloid Chemistry** (Bachelor, Chemistry and Chemical Technology branch)

Name and address of employer University of Tirana, Faculty of Natural Sciences, Blv. "Zog I", No. 2/1, 1001 Tirana, Albania

Type of sector High education

Dates 10.2007 – 02.2008, 10.2009 – 02.2010

Occupation or position held Invited lecturer at the Department of Civil Engineering, Faculty of Civil Engineering and Architecture, Epoka University (private university in Tirana).

Main activities and responsibilities	Lectures and seminars of: <ul style="list-style-type: none"> ➤ General Chemistry (Civil Engineering branch)
Name and address of employer	Epoka University, Rruga e Durrësit, 1001, Tirana, Albania
Type of sector	High education
Dates	26.09.2016 – 30.09.2016
Main activities and responsibilities	<i>Erasmus + invited lecturer with the agreed lecturing/teaching program:</i> <ol style="list-style-type: none"> 1) Methods of extraction of essential oils, efficiency, product outcome and public awareness 2) Characterisation of essential oils by several analytical methods 3) Stabilisation and conservation of extraction products based on their colloid properties
Name and address of the inviting professor	Prof. Dr. Claus Jacob, Department of Bioorganic Chemistry, University of Saarland, Campus B2 1, R. 1.14, D 66123 Saarbrücken, Germany.
Type of sector	High education
Dates	15.05.2017 – 19.05.2017
Main activities and responsibilities	<i>Erasmus + invited lecturer with the agreed lecturing/teaching program:</i> <ol style="list-style-type: none"> 1) X-ray diffraction by crystals 2) Basics of powder diffractometry 3) Indexing and refining of diffractions patterns 4) Identification of unknown samples by their diffraction patterns
Name and address of the inviting professor	Prof. RNDr. Jiří Pinkas, Department of Chemistry, Faculty of Natural Sciences, Masaryk University, 61137 Brno, Kotlářská 2, Czech Republic.
Type of sector	High education
Dates	22.11.2017 – 20.03.2018
Main activities and responsibilities	UNDP - project developer: "Natural Science Expert on Chemicals and Minamata Convention" with the following responsibilities: <ol style="list-style-type: none"> 1) Development of the technical content of the draft- DCM "On rules on the banning of exports of metallic mercury and certain mercury compounds and mixtures and the safe storage of metallic mercury and specific criteria for the storage of metallic mercury considered as waste" – transposing Regulation (EC) No 1102/2008. (First delivery) 2) Development of the technical content of the draft- DCM "On detailed rules and methods of chemical safety assessment and the specific requirements, content and format of safety data sheets"– transposing Annexes I, II, VI, IX, X, XI of REACH Regulation 1907/2006; and technical reports". (Second delivery) 3) Preparation of a report on the Conformity of Albanian chemicals legislation with the relevant EU Directives and Regulations. (Third delivery)
Name and address of employer	UNDP (Albania), Skenderbej Street, Gurten Building, 2nd Floor, 1001 Tirana, Albania
Type of sector	International Organisation
Dates	15.07.2019 – 19.07.2019
Main activities and responsibilities	<i>Erasmus + invited lecturer with the agreed lecturing/teaching program:</i> <ol style="list-style-type: none"> 1) Elastic light sensors made of conductive polymer composites of mixed valence inorganic solids 2) Syntheses of the elastic light sensors 3) Structural characterisation of elastic light sensors 4) Photo-sensitivity characterisation of elastic light sensors
Name and address of the inviting professor	Prof. Dr. Guillermo Rus Carlborg, Department of Structures Mechanics, University of Granada (ETSICCP). Politecnico de Fuentenueva 18017 Granada, Spain.
Type of sector	High education

Education and training

Dates	09.1996 – 02.2002
Title of qualification awarded	Food Chemist (GPA 9.7/10)
Principal subjects/occupational skills covered	Diploma work and thesis in the Department of Analytical Chemistry, Faculty of Chemistry-Biology, University of Siegen, Germany (Title: Extraction of orange peel essential oil with SFE (supercritical fluid extraction); USE (ultrasonic extraction) and Soxhlet extraction). Under the supervision of Prof. Dr. rer. nat. Bernd Wenclawiak.
Name and type of organisation providing education and training	9 Semesters completed in the Faculty of Natural Sciences, University of Tirana (Albania), 1 Semester (Diploma work) in the Department of Chemistry, Faculty of Chemistry- Biology, University of Siegen (Germany)
Level in national or international classification	ISCED 5B
Dates	19.01 – 28.02.2004
Title of qualification awarded	Internship Certificate
Principal subjects/occupational skills covered	Internship at the Incorporated Company BASF A.G., Ludwigshafen, Germany, in the Session for Intermediate Product Research (Elaborated topics: Production of Precursor-solutions for doped Barium Titanate; Thermolysis and production of samples for analytical investigations; Optimisation of the electrical properties of Barium Titanate).
Name and type of organisation providing education and training	Incorporated Company BASF A.G., Ludwigshafen, Germany
Level in national or international classification	Internship
Dates	03.2002 – 11.2005
Title of qualification awarded	Dr. rer. nat. (Evaluation: "very good" for the disputation; "very good" for the dissertation)
Principal subjects/occupational skills covered	PhD-thesis in the Department of Inorganic Chemistry, Faculty of Chemistry-Biology, University of Siegen (Title: The use of supercritical carbon dioxide in Solid State Chemistry and basic structural investigations with chalcogenide halides of the third main group). Under the supervision of Prof. Dr. Hans -Jörg Deiseroth.
e-dissertation	http://www.ub.uni-siegen.de/epub/diss/xhaxhiu.htm
Name and type of organisation providing education and training	Department of Chemistry, Faculty of Chemistry-Biology, University of Siegen, Germany
Level in national or international classification	ISCED 6
Dates	17.07.2009 – 22.08.2009
Principal subjects/occupational skills covered	Scientific research in cooperation with the Institute of Mineralogy, Crystallography and Materials Science, University of Leipzig on: " The influence of macro- and nano-structure on the thermoelectric and photovoltaic properties of solid inorganic compounds ". Invited by Prof. Dr. Klaus Bente.
Name and type of organisation providing education and training	Institute of Mineralogy, Crystallography and Material Science, University of Leipzig, Germany
Dates	01.10.2011 – 31.12.2011
Principal subjects/occupational skills covered	DAAD (Deutsche Akademischer Austausch Dienst) funded scientific research on: " The investigation of structure-property relationship of the recently synthesised chalcogenide halides of the 3rd main group elements with regard to photovoltaic and thermoelectric efficiency ".
Name and type of organisation providing education and training	Institute of Mineralogy, Crystallography and Material Science, University of Leipzig, Germany

Dates	25.06.2012 – 08.07.2012
Principal subjects/occupational skills covered	Participation and contribution in the 2 nd International Workshop on Cleanroom Training for Critical and Sustainable Technologies . A collaborative initiative between UNIDO and UNAM – İhsan Doğramacı Bilkent University. Funded by the Turkish Ministry of Science, Industry & Technology, Turkish International Cooperation and Coordination Agency, Turkish Ministry of Development.
Name and type of organisation providing education and training	National Excellent Centre in Nanotechnology, UNAM- Ankara, Turkey
Dates	23.10.2012 – 25.10.2012
Principal subjects/occupational skills covered	Train the New Trainers (TrainMIC). Training programme on the use of metrology in Chemistry .
Name and type of organisation providing education and training	Institute for Reference Materials and Measurements (IRMM), Geel, Belgium.
Dates	20.11.2012 – 20.12.2012
Principal subjects/occupational skills covered	JoinEU-SEE (Erasmus Mundus) funded scientific research on: The photoelectric properties of the ternary and quaternary mixed valence chalcogenide halides of indium and thallium .
Name and type of organisation providing education and training	Laboratory of Materials Chemistry and Chemical Analysis, Department of Chemistry, University of Turku, Finland.
Dates	11.06.2013 – 21.06.2013
Principal subjects/occupational skills covered	Interdisciplinary Alumni Summer School: " Creating a Human Future - Paths towards Sustainability " elaborating the topics "Social Responsibility, Environmental Management and Economic Sustainability" – Funded by DAAD (Deutsche Akademischer Austausch Dienst) <u>Personal contribution</u> : " Conversion of Mercury and other heavy metals contained in fly ash produced by thermal power stations and incinerators into respective carbonates, protecting the environment and reducing the emitted CO₂ ".
Name and type of organisation providing education and training	University of Siegen, Germany
Dates	29.07.2013 – 29.08.2013
Principal subjects/occupational skills covered	Scientific research financed by the University of Turku's Foundation on: " The syntheses of hybrid materials consisting of the new mixed valence solid inorganic compounds combined with fused ring conducting polymers ". Invited by Prof. Dr. Carita Kvarnström.
Name and type of organisation providing education and training	Laboratory of Materials Chemistry and Chemical Analysis, Department of Chemistry, University of Turku, Finland.
Dates	01.11.2013 – 31.08.2014
Principal subjects/occupational skills covered	JoinEU-SEE (Erasmus Mundus) funded POSTDOCTORATE on: " Composite elastic light sensors made of polyazulene and mixed valence inorganic solids ". Under the supervision of Prof. RNDr. Jiří Pinkas.
Name and type of organisation providing education and training	Department of Chemistry, Faculty of Natural Sciences, Masaryk University, 61137 Brno, Kotlářská 2, Czech Republic.
Dates	04.09.2014 – 13.09.2014
Principal subjects/occupational skills covered	Alumni Academy / Sustainability 2014: " The International Future Workshop " <u>Personal contribution</u> - presentation of the project: " Production of seagrass panels and building blocks for light, sustainable and cost effective buildings in coastal areas ".
Name and type of organisation providing education and training	University of Siegen and Alanus University of Arts, Bonn, Germany

Dates	03.11.2014 – 24.12.2014
Principal subjects/occupational skills covered	Scientific research & cooperation on: " <i>Influence of the pH on the stability of CdTe QDs investigated by fluorescence and particle size analyses</i> ". Invited by Prof. Asoc. Ing. René Kizek
Name and type of organisation providing education and training	Laboratory of Metallomics and Nanotechnologies, Mendel University, Brno, Czech Republic
Dates	01.07.2015 – 03.09.2015
Principal subjects/occupational skills covered	Scientific research & cooperation on: " <i>Assessment of the interaction of magnetic particles-DNA by particle size and zeta potential measurements using MALVERN® Zetasizer</i> ". Invited by Prof. Asoc. Ing. René Kizek
Name and type of organisation providing education and training	Laboratory of Metallomics and Nanotechnologies, Mendel University, Brno, Czech Republic
Dates	04.09.2015 – 13.09.2015
Principal subjects/occupational skills covered	Alumni Academy / Sustainability 2015: " <i>The International Future Workshop</i> " <u>Personal contribution</u> - results of the implemented project: " <i>Production of seagrass panels and building blocks for light, sustainable and cost effective buildings in coastal areas</i> ". (Winner of the 2 nd Prize)
Name and type of organisation providing education and training	University of Siegen and Alanus University of Arts, Bonn, Germany
Dates	01.11.2015 – 31.01.2016
Principal subjects/occupational skills covered	DAAD (Deutsche Akademischer Austausch Dienst) funded scientific research on: " <i>Investigation of the thermoelectric properties of In₅Se₃Br and its related compounds</i> ".
Name and type of organisation providing education and training	Department of Methods for Characterization of Transport Phenomena in Energy Materials, Helmholtz Centre Berlin, Germany
Dates	01.10.2018 – 31.12.2018
Principal subjects/occupational skills covered	Scientific research & cooperation on: " <i>Selective electrochemical determination of flavonoids in natural products by carbon paste electrodes (CPE) and modified carbon paste electrodes (MCPE)</i> ". Invited by Prof. RNDr. Vojtěch Adam, PhD
Name and type of organisation providing education and training	Department of Chemistry and Biochemistry, Mendel University, Brno, Czech Republic
Dates	01.05.2019 – 31.07.2019
Principal subjects/occupational skills covered	Scientific research & cooperation on: " <i>Selective electrochemical determination of Estradiol in female urine samples by carbon paste electrodes (CPE) and modified carbon paste electrodes (MCPE)</i> ". Invited by Prof. RNDr. Vojtěch Adam, PhD
Name and type of organisation providing education and training	Department of Chemistry and Biochemistry, Mendel University, Brno, Czech Republic

Academic Qualifications

Dates	29.09.2010
	The Professors Council of the Faculty of Natural Sciences, University of Tirana awards the academic title " DOCENT ", in accordance with the requirements set in the Law of High Education, No. 9832 (12.11.2007), in the Republic of Albania.
Dates	04.05.2012

The Professors Council of the Faculty of Natural Sciences, University of Tirana awards the academic title “**ASSOCIATE PROFESSOR**”, in accordance with the requirements set in the Law of High Education, No. 9832 (12.11.2007), in the Republic of Albania.

Dates 26.07.2016

The Evaluation Committee of the Academic Titles, upon the recommendation of the Evaluation Committee set up by it, awards the academic title: “**PROFESSOR**”, in accordance with the requirements set in the Law of High Education, No. 9832 (12.11.2007), in the Republic of Albania.

Languages

Mother tongue **Albanian**

Other languages

Self-assessment

European level

English

German

Italian

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Basic user	Basic user	Basic user	Basic user	Basic user

Journals **Scientific Publications**

Mat. Sci. Sem. Proc.

L. Kienle, O. Oeckler, H. Mattausch, V. Duppel, A. Simon, C. Reiner, M. Schlosser, K. Xhaxhiu, H.-J. Deiseroth, (2003) “Real structure of partially ordered crystals”, *Materials Science in Semiconductor Processing*, **6**, 393-396.

Z. Anorg. Allg. Chem.

H.-J. Deiseroth, C. Reiner, K. Xhaxhiu, M. Schlosser, L. Kienle, (2004) “X-Ray and Transmission Electron Microscopy Investigations of the New Solids In_5S_5Cl , In_5Se_5Cl , In_5S_5Br and In_5Se_5Br ” *Zeitschrift für Anorganische und Allgemeine Chemie*, **630**, 2319-2328.

Nanotechnology

X. Jiang, H.-J. Deiseroth, C. Gu, K. Xhaxhiu, Y. Huang, J. Li, (2008) “Electrical conductivity of mixed Valence $TlIn_4S_5Cl$ quaternary compound micro- and nanowires”, *Nanotechnology*, **19(20)**, 205702 (5pp).

Z. Anorg. Allg. Chem.

V. Nickel, C. Reiner, M. Schlosser, H.J. Deiseroth, L. Kienle, K. Xhaxhiu, (2008) “The New Crystalline Mixed Valent Solids $TlIn_4Se_5X$ (X: Cl, Br) and $TlIn_4S_5Cl$: Structure and Nanoscopic Defects Investigated by Combined Application of X-ray and HRTEM Studies”, *Zeitschrift für Anorganische und Allgemeine Chemie*, **634**, 2209-2216.

AJNTS

K. Xhaxhiu, A. Korpa, B. Seiti, A. Memo, (2011) A Review of Solid Inorganic Photovoltaics and Thermoelectrics. *Albanian Journal of Natural and Technical Sciences*, **30(1)**, 39-65.

AJNTS

A. Korpa, K. Xhaxhiu, A. Mele, K. Dule, (2011) Turning waste into highly valuable material; clinker-free cements based on chemical activation of granulated blast furnace slag. *Albanian Journal of Natural and Technical Sciences*, **30(1)**, 91-109.

Asian J. Chem.

K. Xhaxhiu, A. Mele, A. Memo, B. Seiti, T. Kota, K. Dule, (2012) A New Way of Syntheses of Rubidium- and Cesium Triiodides in Supercritical Carbon Dioxide. *Asian Journal of Chemistry*, **24(9)** 3879-3883.

J. Env. Prot. Ecol.

K. Xhaxhiu, A. Çomo, T. Kota, Synthesis of Inorganic Species in Supercritical CO_2 . (2012) How feasible are they?, *Journal of Environmental Protection and Ecology*, **13(1)** 144-154.

Fresen. Environ. Bull.	<u>K. Xhaxhiu</u> , R. Terziu, A. Mele, E. Troja, T. Kota, (2012) Characterisation of steam-extraction progress of some medicinal plants based on the evolution of physical-chemical parameters of their hydrolates. <i>Fresenius Environmental Bulletin</i> , 21(10a) , 3108-30113.
AJNTS	A. Korpa, <u>K. Xhaxhiu</u> , A. Mele, (2012) Production and characterisation of green bricks from waste siliceous fly ash. <i>Albanian Journal of Natural and Technical Sciences</i> , 33(2) , 79-93.
Int. J. Ecosyst. Ecol. Sci.	B. Seiti, A. Korpa, D. Topi, <u>K. Xhaxhiu</u> , I. Beqiraj, (2012) Diversification of the energetic resources and the utilisation of biodiesel in Albania. <i>International Journal of Ecosystems and Ecology Sciences (JEES)</i> , 2(4) , 315-320.
Oxid. Commun.	B. Seiti, D. Topi, A. Korpa, A. Lame, <u>K. Xhaxhiu</u> , I. Beqiraj, (2012) Phenolic content of the Effluents from the petroleum industry in Albania. <i>Oxidation Communications</i> , 35(3) , 742-750.
J. Int. Environ. Appl. Sci.	A. Korpa, <u>K. Xhaxhiu</u> , A. Mele, E. Spahiu, E. Halimi (2012) Contributing to Ecosystem Conservation via Utilization of Beneficiated High Carbon Fly Ash for Greener Cement Production. <i>Journal of International Environmental Application & Science</i> , 7(5) , 847-857.
IJBAS-IJENS	E. Keçi, A. Paparisto, B. Pepa, <u>K. Xhaxhiu</u> (2012) Use of Benthic Macro-Invertebrate Taxones as Biological Indicators in Assessing Water Quality of Erzeni River, Albania, During 2011-2012. <i>International Journal of Basic & Applied Sciences IJBAS-IJENS</i> , 12(6) , 165-169.
Adv. Food Sci.	<u>K. Xhaxhiu</u> , A. Mele, A. Korpa, T. Kota (2012) Ultrasonic extraction characteristics of the Albanian "Moro" orange-peel cultivars. <i>Advances in Food Sciences</i> , 34(4) , 190-194.
Chem. Pap.	<u>K. Xhaxhiu</u> , E. Saraçi, K. Bente (2013) Sequestration of supercritical CO ₂ by mercury oxide. <i>Chemical Papers</i> , 67(6) , 594-600.
J. Env. Prot. Ecol.	B. Seiti, D. Topi, I. Malollari, <u>K. Xhaxhiu</u> , S. Drushku, F. Shehu (2013) Crude Oil Wastes Recycling, the Economic and Environmental Outcomes. A Case Study. <i>International Journal of Environmental Protection Ecology</i> , 14(1) , 99-106.
Adv. Food Sci.	<u>K. Xhaxhiu</u> , A. Klllogjeri, E. Keçi. (2013) A study of the inhibitory effect of six essential oils toward <i>Klebsiella pneumoniae</i> . <i>Advances in Food Sciences</i> , 35(3) , 104-109.
AJNTS	<u>K. Xhaxhiu</u> , A. Mele, A. Korpa, B. Seiti, K. Dule, T. Kota, (2013) A Self-made lab-scale system for chemical syntheses in supercritical CO ₂ . <i>Albanian Journal of Natural and Technical Sciences</i> , 34(1) , 19-34.
J. Essent. Oil Bear Plant.	<u>K. Xhaxhiu</u> , A. Korpa, A. Mele, T. Kota, (2013) Ultrasonic and Soxhlet Extraction Characteristics of the Orange Peel from "Moro" Cultivars Grown in Albania. <i>Journal of Essential Oil Bearing Plants</i> , Taylor & Francis, 16(4) , 421-428.
Asian J. Chem.	K. Taraj, A. Delibashi, A. Andoni, P. Lazo, E. Kokalari (Teli), A. Lame, <u>K. Xhaxhiu</u> , A. Çomo (2013) Extraction of Chamomile Essential Oil by Subcritical CO ₂ and Its Analysis by UV-VIS Spectrophotometer. <i>Asian Journal of Chemistry</i> , 25(13) , 7361-7364.
Natura Montenegrina	<u>K. Xhaxhiu</u> , J. Shllaku, L. Sula, A. Xhelaj, T. Kota (2013) The removal of metribuzin from pesticide contaminated waters using natural- and activated Prrenjasi clay. <i>Natura Montenegrina</i> , 12(2) , 505-519.
J. Eng. Proc. Manag.	<u>K. Xhaxhiu</u> , C. Kvarnström, P. Damlin, A. Korpa, K. Bente (2013) Photochromatic sensors of multinary mixed valence inorganic micro-needles. <i>Journal of Engineering & Processing Management</i> , 5(1) , 89-98.
Natura Montenegrina	<u>K. Xhaxhiu</u> , L. Sula, J. Shllaku, A. Xhelaj, T. Kota (2013) Comparison of the adsorption capacities of two Albanian clays for the removal of metribuzin from contaminated waters. <i>Natura Montenegrina</i> , 12(3-4) , 949-965.
Asian J. Chem.	A. Andoni, <u>K. Xhaxhiu</u> , K. Taraj, A. Çomo. (2014) An Adsorption Method for Characterisation of Surface Area and Pore Size of Solid Surfaces. <i>Asian Journal of Chemistry</i> , 26(20) , 6833-6838.
Rev. Roum. Chim.	<u>K. Xhaxhiu</u> , T. Kota, A. Xhelaj, H.-J. Deiseroth (2014) Thermal behavior and decomposition of mixed valence solids In ₅ Ch ₅ Cl (Ch = S, Se). <i>Revue Roumaine de Chimie</i> , 59(3-4) , 235-243.

Mater. Res. Bull.	<u>K. Xhaxhiu</u> , C. Kvarnström, P. Damlin, K. Bente (2014) Renewable energy in focus: In ₅ Se ₃ Br, a solid material with promising thermoelectric properties for industrial applications. <i>Materials Research Bulletin</i> , 60 , 88-96.
JNTS	<u>K. Xhaxhiu</u> (2014) Preliminary investigations on ternary and/or quaternary chalcogenide-halides with the elements of the II nd B and IV th A groups. <i>Journal of Natural and Technical Sciences</i> , XIX(2) , 23-36.
Int. J. Mol. Sci.	M. Kominkova, P. Michalek, K. Cihalova, R. Guran, N. Cernei, L. Nejd, K. Smerkova, S. Dostalova, D. Chudobova, Z. Heger, R. Vesely, J. Gumulec, J. Kynicky, <u>K. Xhaxhiu</u> , O. Zitka, V. Adam, R. Kizek (2015) Study of Linkage between Glutathione Pathway and the Antibiotic Resistance of <i>Escherichia coli</i> from Patients' Swabs. <i>International Journal of Molecular Sciences</i> , 16 , 7210-7229.
J. Essent. Oil Bear Plant.	<u>K. Xhaxhiu</u> , B. Wenclawiak. (2015) Comparison of Supercritical CO ₂ and Ultrasonic Extraction of Orange Peel Essential Oil from Albanian Moro Cultivars. <i>Journal of Essential Oil Bearing Plants</i> 18(2) , pp 289-299.
J. Metallom. Nanotech.	<u>K. Xhaxhiu</u> (2015) Synthetic Birnessites and Buserites as heavy metal cation traps and environmental remedies. <i>Journal of Metallomics and Nanotechnologies</i> , II(3) , 23-32.
J. Metallom. Nanotech.	R. Terziu, M. Dauti, <u>K. Xhaxhiu</u> , E. Baraj (2016) Simple chemical treatments for a successful consolidation of marble objects. <i>Journal of Metallomics and Nanotechnologies</i> , II(4) , 30-34.
J. Metallom. Nanotech.	R. Terziu, M. Dauti, <u>K. Xhaxhiu</u> , E. Baraj (2016) Step-by-step reduction of travertine porosity using low soluble inorganic salts. <i>Journal of Metallomics and Nanotechnologies</i> , II(4) , 35-39.
Int. J. Electrochem. Sci.	L. Nejd, L. Richtera, <u>K. Xhaxhiu</u> , R. Kensova, J. Kudr, B. Ruttkay-Nedecky, J. Kynicky, D. Wawrzak, P. Kopel, V. Adam, R. Kizek. (2016) UV tuning of cadmium telluride quantum dots (CdTe QDs) – assessed by spectroscopy and electrochemistry. <i>International Journal of Electrochemical Sciences</i> , 11 , 175-188.
Materials	J. Kudr, L. Richtera, L. Nejd, <u>K. Xhaxhiu</u> , P. Vitek, B. Ruttkay-Nedecky, D. Hynek, P. Kopel, V. Adam, R. Kizek. (2016) Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 9 , 31 (1-12).
Analyst	H. V. Nguyen, L. Richtera, A. Moulick, <u>K. Xhaxhiu</u> , J. Kudr, N. Cernei, V. Adam, R. Kizek. (2016) Electrochemical sensing of etoposide by using carbon quantum dots modified glassy carbon electrode. <i>Analyst</i> , 141 , 2665 – 2675.
Int. J. Mol. Sci.	Y. Haddad, <u>K. Xhaxhiu</u> , P. Kopel, D. Hynek, O. Zitka, V. Adam (2016) The Isolation of DNA by Polycharged Magnetic Particles: An Analysis of the Interaction by Zeta Potential and Particle Size. <i>International Journal of Molecular Sciences</i> , 17(4) , 550-561.
J. Eng. Proc. Manag.	R. Terziu, E. Baraj, S. Yu, C. Förester, H. Kropf, <u>K. Xhaxhiu</u> , M. Come (2016) Analytical study of marble consolidation by oxalate precipitation using density, FT-IR and powder-XRD measurements. <i>Journal of Engineering & Processing Management</i> , 8(1) , 21-26.
Biosens. & Bioelectron.	J. Kudr, L. Richtera, <u>K. Xhaxhiu</u> , D. Hynek, Z. Heger, O. Zitka, V. Adam (2017) Carbon dots based FRET for the detection of DNA damage. <i>Biosensors and Bioelectronics</i> , 92 , 133-139.
Zaštita Materijala	A. Andoni, E. Delilaj, F. Ylli, K. Taraj, A. Korpa, <u>K. Xhaxhiu</u> , A. Çomo (2018) FTIR spectroscopic investigation of alkali-activated fly ash: A test study. <i>Zaštita Materijala</i> , 59(4) , 539 – 542.
Electroanal.	O. Zitka, J. Kudr, J. Labuda, <u>K. Xhaxhiu</u> , V. Adam (2018) Separation of Nucleobases Using High-performance Liquid Chromatography Coupled with Voltammetric Scanning. <i>Electroanalysis</i> , 30(8) , 1865-1869.
Molecules	Z. Koudelkova, Z. Bytesnikova, <u>K. Xhaxhiu</u> , M. Kremplova, D. Hynek, V. Adam, L. Richtera (2019) Electrochemical Evaluation of Selenium (IV) Removal from Its Aqueous Solutions by Unmodified and Modified Graphene Oxide. <i>Molecules</i> , 24(6) , 1063,13pp.

Talanta	M. Gagic, L. Nejd, K. Xhaxhiu, N. Cernei, O. Zitka, E. Jamroz, P. Svec, L. Richtera, P. Kopel, V. Milosavljevic, V. Adam (2020) Fully automated process for histamine detection based on magnetic separation and fluorescence detection. <i>Talanta</i> , 212 , 120789. doi:10.1016/j.talanta.2020.120789
Remediation	K. Xhaxhiu, E. Prifti, O. Zitka (2020) A case study of methomyl removal from aqueous solutions by four natural Albanian clays. <i>Remediation</i> , 30(3) , 89-100. doi: 10.1002/rem.21648
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Editorial board membership	<p>Member of the editorial board of the following scientific journals:</p> <ul style="list-style-type: none"> ➤ Journal of Metallomics and Nanotechnologies http://web2.mendelu.cz/af_239_nanotech/J_Met_Nano/edicni_rada.html ➤ International Journals of Engineering and Science http://www.ijens.org/IJENS-Researchers%20Promotion%20Group.html ➤ International Journal of Scientific Research in Science, Humanities and Management (KRISH JOURNALS) http://www.krishjournals.com/advisory-board/ijrsshm-editorial-board/ ➤ Synergy Publishers https://synergypublishers.com/ebm-jabb/ ➤ Journal of Natural and Technical Sciences (Albanian Journal of Natural and Technical Sciences) <p>Member of the scientific/advisory board of the following international conferences:</p> <ul style="list-style-type: none"> ➤ 8th Conference on Sustainable Development of Energy, Water and Environmental Systems – September 2013, Dubrovnik, Croatia ➤ 1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems – 29 June - 3 July, 2014, Ohrid, Republic of Macedonia ➤ 9th Conference on Sustainable Development of Energy, Water and Environmental Systems – September 2014, Venice(Italy)-Istambul(Turkey) ➤ 10th Conference on Sustainable Development of Energy, Water and Environmental Systems – September 2015, Dubrovnik, Croatia ➤ 11th Conference on Sustainable Development of Energy, Water and Environmental Systems – September 2016, Lisbon, Portugal

- **3rd South East European Conference on Sustainable Development of Energy, Water and Environment Systems. 30 June – 4 July, 2018, Novi Sad, Serbia**
- **13th Conference on Sustainable Development of Energy, Water and Environmental Systems – 30 September – 4 October, 2018, Palermo, Italy**
- **14th Conference on Sustainable Development of Energy, Water and Environmental Systems. October 1 - 6, 2019, Dubrovnik, Croatia**
- **3rd International Symposium (CIMEE20) on Materials, Electrochemistry and Environment. September 17 – 19, 2020, Lebanon**
- **Trends in NanoTechnology (TNT 2020). October 26-30, 2020, Tirana, Albania**

Professional Affiliations

since 04.1998 Member of the Albanian Chemists Association (ShKSh)
2003 - 2006 Member of the German Chemists Association (GDCh)
since 01.2020 Member of the Nanoscience and Nanotechnology Unit - **NanoALB**
 (Affiliated to the Academy of Sciences of Albania)

Annexes

More info regarding my academic aspect:

<http://unitir.academia.edu/KlediXhaxhiu>

http://www.researchgate.net/profile/Kledi_Xhaxhiu

https://www.uni-siegen.de/alumni/portraits/portraits/xhaxhiu_kledi/

<https://sites.google.com/a/fshn.edu.al/departamenti-i-kimisee/personelli/profdr-Kledi-Xhaxhiu>