

PERSONAL INFORMATION

Albenc Nexha



 Zgjane, Karbunare e Siperme, 9001 Lushnje (Albania)

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STUDIES APPLIED FOR

Researcher

WORK EXPERIENCE

15/07/2010–05/06/2013

Football player

Lushnje (Albania)

08/01/2015–31/07/2015

Chemistry Researcher

Camerino (Italy)

- Synthesis of Au, Ag, Cu trimmers
- Characterization techniques : FT-IR, FIR, MIR, HNRM, CNRM, GC-MS, TLC, XRD, SEM, TEM
- Preparation of graphite intercalation compounds
- Preparation of graphene intercalation compounds
- One-step synthesis of graphite oxide
- One-step synthesis of graphene
- Application of the graphite and graphene intercalation compounds as a catalyst in coupling reactions
- Application of the graphite and graphene intercalation compounds in lithium-ion batteries

EDUCATION AND TRAINING

15/07/2006–10/06/2010

High School

9.47/10

Jani Nushi, Lushnje (Albania)

01/10/2010–15/07/2013

Bachelor in Chemistry

9.3/10

Faculty of Natural Science, Tirane (Albania)

- Mortimer I & II and Laboratory
- Inorganic Chemistry and Laboratory
- Organic Chemistry and Laboratory
- Environmental Chemistry and Laboratory
- Analytical Chemistry I & II and Laboratory
- Crystallography
- Physical Chemistry: Electrochemistry, Kinetics and Thermodynamics and Laboratory
- Biochemistry and Laboratory
- Colloidal Chemistry and Laboratory
- Instrumental analysis methods and Laboratory
- Food Chemistry and Laboratory
- Petroleum Chemistry and Laboratory

01/10/2013–21/12/2015

Master in Chemistry and Advanced Chemical Methodologies

110/110

University of Camerino, Camerino (Italy)

- Advanced Inorganic Chemistry
- Advanced Organic Chemistry
- Organometallic Chemistry and Homogeneous Catalysis
- Physical Chemistry of Materials
- Supramolecular Chemistry
- Physical Methods in Chemistry
- Advanced Physical Chemistry
- Industrial and Advanced Synthesis of Biologically Active Compounds
- Technology of Waste Management
- Environmental Chemistry

PERSONAL SKILLS

Mother tongue(s) Albanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	C1	C1	B2	B2	B1
French	B1	B1	B1	B1	B1
German	B1	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills - good communication skills gained through my hobby of writing

Organisational / managerial skills -good team leading skills as a captain in my football carrier

Job-related skills

- PCA
- One way, two way ANOVA
- Atomic Absorption
- UV-VIS. FT-IR, MIR, MS-ESI
- TLC
- X-Ray Diffraction
- Scanning Electron Microscopy SEM
- Transmission Electron Microscopy TEM
- Melting point analysis
- Preparation of metals nanoparticles
- Synthesis of gold,silver, copper trimmers
- Hummers method and its modifications for graphite oxide synthesis
- One step synthesis of graphite oxide
- Preparation of graphene
- Preparation of graphene/Cu,Ag,Au nanocomposites

- Furanodiene-metal (Ag,Au) compounds synthesis
- Preparation of palladium (II) compounds intercalated with graphene oxide. Applications as a catalyst Suzuki coupling reactions
- Lithium-ion batteries obtained by the anode (intercalation of graphene oxide with copper and silver trimers) and lithium iron phosphate as a cathode
- MestRenova, ChemDraw
- MatLab

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

- php
- blocks schemes
- html