



Ahmad Ben Kiran

Date of birth: | **Nationality:** Swiss | **Gender:** Male | **Phone number:**

Email address:

Address:
(Home)

WORK EXPERIENCE

26/05/2021 – 30/06/2022 Cluj-Napoca, Romania

CHEMIST BABES-BOLYAI UNIVERSITY

Research project (PN-III-P4-ID-PCCF-2016-0088):

The main responsibilities include:

- Synthesis, purification (chromatography, crystallization,...) and characterization of functionalized organic and organometallic compounds presenting graphene adsorption properties and metal chelating sites
- Using data bases such as REAXYS and SciFinder to find and study suitable literature material for our research topics
- Using programs of specialty (MestReNova, Diamond, ChemBioDraw) to interpret analysis results
- Performing multinuclear (^1H , ^{13}C and ^{119}Sn) and 2D NMR spectroscopy on a Bruker Avance III
- Handling air, moist and light sensitive materials
- Preparation of dry solvents
- Keeping track of the basic necessities of a research lab

02/2015 – 01/2017 Cluj-Napoca, Romania

RESEARCH ASSISTANT BABES-BOLYAI UNIVERSITY

Research project (PN II PT PCCA 2013-4-1226):

The main responsibilities included:

- Synthesis, purification (chromatography, crystallization,...) and characterization of lead(II) and tin(IV) thiophosphinates
- Using data bases such as REAXYS and SciFinder to find and study suitable literature material for our research topics
- Using programs of specialty (MestReNova, Diamond, ChemBioDraw) to interpret analysis results
- Performing multinuclear (^1H , ^{13}C and ^{119}Sn) and 2D NMR spectroscopy on a Bruker Avance III

EDUCATION AND TRAINING

2014 – CURRENT Cluj-Napoca, Romania

PHD CANDIDATE IN ORGANOMETALLIC CHEMISTRY Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

02/2017 – 07/2017 Cagliari, Italy

ERASMUS MOBILITY Università degli Studi di Cagliari

2012 – 2014 Cluj-Napoca, Romania

MASTER'S DEGREE IN ADVANCED CHEMISTRY Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

2008 – 2012 Beirut, Lebanon

BACHELOR'S DEGREE IN BIOCHEMISTRY Lebanese University, Faculty of Science

LANGUAGE SKILLS

Mother tongue(s): **ARABIC** | **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ROMANIAN	C1	C1	B2	B2	C1
ENGLISH	C1	C2	C1	C1	B2

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

DIGITAL SKILLS

Microsoft Word | Microsoft Powerpoint | Microsoft Excel | MestreNova | Diamond Crystal and Molecular Structure Visualization | ChemBioDraw Ultra 12.0 | CCDC Software | SciFinder - CAS

PUBLICATIONS

Triphenylbismuth(v) di[(iso)nicotinate]s – transmetallation agents or divergent organometallogands? First organobismuth(v)-based silver(i) coordination polymers

Ben Kiran, A.; Mocanu, T.; Pöllnitz, A.; Shova, S.; Andruh, M.; Silvestru, C; *Dalton Trans.*, **2018**, 47, 2531–2542

[Ag(EtOH){Ph₃Bi[O(O)]CC₅H₄N-3}]₂(ClO₄).CHCl₃ – A coordination polymer based on divergent, ditopic metalloligand

Ben Kiran A., Silvestru A., Rat C. I., Silvestru C., *Rev. Roum. Chim.*, **2023**, 68, 127–138

CONFERENCES AND SEMINARS

01/10/2018 – 04/10/2018 Calimanesti-Caciulata, Romania

Organoantimony compounds as metalloligands for coordination polymers

Poster, "Romanian Chemistry Conference", 35th edition

02/05/2018 – 04/05/2018 Budapest, Hungary

Organobismuth(V) transmetallation agents vs organometallogands

Poster, "Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE II)", 2nd edition

08/04/2014 – 12/04/2014 Cluj-Napoca, Romania

Organobismuth(III) linkers for MOFs. Preparation, structural characterisation and complexation behaviour

Oral presentation, "International Conference Students for Students", 11th edition

COMMUNICATION AND INTERPERSONAL SKILLS

Connecting with people from different sides of the expertise spectrum

Good communication skills including clarity and friendliness, with participants from different ages, gained through my experience as a member of a research team, personal tutor for scientific materials and teaching Arabic language for children (responsible of two groups of three students aged between 6 and 13)

JOB-RELATED SKILLS

lab organization and research

- Using data bases (SciFinder, CCDC) to find suitable literature material
- Using programs of specialty (MestReNova, Diamond, ChemBioDraw)

- Performing and interpretation of multinuclear and 2D NMR spectroscopy on a Bruker Avance III
- Interpretation of Mass spectrometry
- Handling air, moist and light sensitive materials
- Preparation of dry solvents
- Keeping track of the basic necessities of a research lab

ABK

30/08/24