


BENJAMIN CHAZEAU

Research Associate Professor



1st of May 1992 |  French



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Peer-reviewed articles : 19
H-index: 12



<https://www.researchgate.net/profile/Benjamin-Chazeau>



<https://www.linkedin.com/in/benjamin-chazeau-0364a0a8/>

LANGUAGE

- French
- English
- Spanish (basic)

EXPERTISE

• Softwares :



Igor Pro



Python



HerMeS co-development -

<https://www.hermes-aq.com/>



R software



Office Microsoft Office

• Analytics :

Aerosol Mass Spectrometry (AMS/ToF-ACSM/Q-ACSM), Scanning Mobility Particle Sizer (SMPS), Aethalometer (AE33), Ambient Metals Monitor (Xact 625i), Extraction and purification on solid and liquid matrix, Core Scanner XRF, High-Performance Liquid Chromatography (HPLC), Gas Chromatography - Mass Spectrometry (GCMS)

• Driving Licence : "Permis B"

EXPERIENCE

◆ **Research Associate Professor at LCE (Laboratoire de Chimie de l'Environnement), Aix-Marseille University - Marseille, France 2024-**

Source apportionment, analysis, and chemical reactivity of aerosols in the troposphere

◆ **Post-Doc at LAC (Laboratory of Atmospheric Chemistry), Paul Scherrer Institute (PSI) - Villigen, Switzerland**

2023-2024

Study of highly-time resolved airborne trace elements using online XRF instruments across Europe

◆ **Post-Doc between LCE, Aix-Marseille University - Marseille, France and LAC, PSI - Villigen, Switzerland**

2021-2023

Ambient measurements and source apportionment of aerosol in urban European cities

◆ **PhD student at LCE, Aix-Marseille University - Marseille, France**

2017-2021

Phenomenology, sources and dynamic of atmospheric pollution by fine particles: Observatory of Marseille

◆ **Internship at EDYTEM (Environments, Dynamics and Territories of the Mountain) - Chambéry, France**

2016, from February to October

Atmospheric aerosols in Corsican lacustrine sediments

Supervisors: P. Sabatier and C. Piot

◆ **Internship at LAC, PSI - Villigen, Switzerland**

2015-2016, from October to February

Source apportionment of ambient organic aerosol, using tracer compounds, offline aerosol mass spectrometry and laser desorption mass spectrometry

Supervisors: I. El Haddad and K. Daellenbäch

◆ **Master thesis at EDYTEM - Chambéry, France**

2015, from February to June

Aerosols in the lacustrine sediments: long-term reconstitution through the Alps

Supervisors: P. Sabatier and C. Piot

◆ **Internship at Institute of Environmental Geosciences (IGE) - Grenoble, France 2014, from April to June**

Study of the urban distribution of atmospheric aerosol in Grenoble

Supervisor: J.L. Jaffrezo

EDUCATION

PhD degree at Aix-Marseille University

Environmental Science/Atmospheric Chemistry -

Supervisors: N. Marchand and H. Wortham

2017-2021

Master degree at University of Grenoble-Alpes

Earth and Environmental Sciences, specialized in water and climate

2013-2015

License degree at Aix-Marseille University

Nature, Earth and Environmental Sciences

2010-2013

TEACHING

ATER at Aix-Marseille University (200h)

Environmental Management, Air quality and Environmental Analyses

2020-2021

Substitute teacher at Aix-Marseille University (65h)

Atmospheric Science and Environmental Analyses

2017-2019