



Alina-Catalina Matei

DATE OF BIRTH:

CONTACT



ABOUT ME

I am a dedicated chemist with experience in the field of bioinorganic research. I am looking to work in multinational companies to improve my skills, learn new things and professionally grow. I am a hardworking, self-disciplined person, serious and able to work in team but also independently.

WORK EXPERIENCE

09/08/2016 - 09/02/2017 - Cluj-Napoca, Romania

Chemist

FrieslandCampina

Analysis of dairy products

Physico-chemical analysis

SAP knowledge

Cluj-Napoca, Romania

09/05/2020 - 10/07/2020 - Bistrita, Romania

Chemical analyst

Public Health District Authority

RT-PCR analysis for SARS-CoV-2 virus.

EDUCATION AND TRAINING

01/10/2017 - CURRENT - Cluj-Napoca, Romania

Ph D in chemistry

Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

Redox reactivity in proteins

Oxidative stress. Microscopic characterizations (UV-vis, chromatography, EPR). DFT calculations.

01/10/2015 - 01/07/2017 - Cluj-Napoca, Romania

M Sc in chemistry

Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

Advanced clinical chemistry knowledge

01/10/2012 - 29/06/2015 - Cluj-Napoca, Romania

Bachelor's degree in chemistry

Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

Analytical chemistry

Organic chemistry

Inorganic chemistry

Biochemistry

15/09/2007 - 15/06/2011 – Bistrita, Romania

● **High School Diploma**

Nursing care High School

English

Chemistry

Biology

Math

Field(s) of study

- Physical sciences

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

English

Listening
B2

Reading
B2

Spoken
production
B2

Spoken
interaction
B2

Writing
B1

DRIVING LICENCE

🚗 Driving Licence: B

CONFERENCES AND SEMINARS

Conferences

Poster presentation: "New physiologically relevant antioxidant and pro-oxidant assays based on heme proteins" European Biological Inorganic Chemistry Conference (EuroBIC 14), 26-30 august 2018, Birmingham, UK.

Poster presentation: "The High Affinity of Small Antioxidants for Hemoglobine and Myoglobin" Molecular Modeling in Chemistry and Biochemistry (MolMod), 28-30 October 2018, Cluj-Napoca, Romania.

Poster presentation: "On the stability of glutaraldehyde in biocide compositions" 9th International Conference of the Chemical Societies of the South-Eastern European Countries, 8-11 May 2019, Targoviste, Romania.

Participation at Summer School Advances in drug discovery. Drug discovery and development from basic research through preclinical to clinical phases, 2-6 September 2019, Prague, Czech Republic.

ORGANISATIONAL SKILLS

Organisational skills

Good organisational skills gained as guide for Open Day at Faculty of Chemistry and Chemical Engineering and I was part of organizing team for International Conference "Students for Students" also at Faculty of Chemistry and Chemical Engineering.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good communication skills gained through my participant on Brand engagement, motivation and communication training sustained by Florin Vancea.

PROJECTS

22/08/2018 - 02/09/2018

UEFISCDI Mobility project for researchers: PN-III-P1-1.1-MC-2018-2582

Participation at European Biological Inorganic Chemistry Conference (EuroBIC 14), 26-30 August 2018, Birmingham, UK.

PUBLICATIONS

Publications

C. Puscas, L. Radu, F. Carrascoza, A. C. Mot, D. Amariei, O. Lungu, F. Scurtu, P. Podea, R. Septelean, **A. Matei**, M. Mic, A. A. Attia, R. Silaghi-Dumitrescu, The high affinity of small-molecule antioxidants for hemoglobin, *Free Radical Biology and Medicine*, **2018**, 124, 260-274.

D. Hanganu, N-K. Olah, C. E. Pop, L. Vlase, I. Oniga, N. Ciocarlan, **A. Matei**, C. Puscas, R. Silaghi-Dumitrescu, D. Benedec, Evaluation of polyphenolic profile and antioxidant activity for some *salvia* species, *Farmacia*, **2019**, 67, 5, 801-805.

A. Matei, C. Puscas, I. Patrascu, M. Lehene, J. Ziebro, F. Scurtu, M. Baia, D. Porumb, R. Totos, R. Silaghi-Dumitrescu, Stability of Gluteraldehyde in Biocide Compositions, *International Journal of Molecular Sciences*, **2020**, 21, 3372.

M. Lehene, E. Fischer-Fodor, F. Scurtu, N. D. Hadade, E. Gal, A. C. Mot, **A. Matei**, R. Silaghi-Dumitrescu, Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells, *Pharmaceuticals*, **2020**, 13, 107.