



**Curriculum Vitae
Europass**

Personal information

Name and surname **Augustin C. Mot**

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Occupational field Teaching and scientific research

Professional experience

February 2017 – present **Lecturer** (*Teaching: Chemometrics, Advanced Analytical Chemistry, Instrumental Analysis*), Department of Chemistry, Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

September 2020 – present **Scientific researcher – Project director**
Selenium biofortification: can we augment anticholesterolic properties of Allium species? (Project director of grant PN-III-P1-1.1-TE-2019-1396 (TE 82/2020,) financed by CNCSIS Romania), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

October 2016 – August 2021 **Researcher CS III**
Department of Molecular and Biomolecular Physics, National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania.

May 2018 – April 2020 **Scientific researcher – Project director**
Advanced chemometric methods applied in plant metabolomics in water stress, (project director of grant PN-III-P1-1.1-PD-2016-0121 (14 /02.05.2018) financed by CNCSIS Romania), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

November 2015 – October 2017 **Scientific researcher – Project director**
Nonsymbiotic plant hemoglobins in stress related responses, (project director of grant PN-II-RU-TE-2014-4-2555 financed by CNCSIS Romania), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

November 2014 – October 2015

Scientific researcher

Redox activation of small molecules at biological metal centers (grant Ctr. PN-II- ID-PCE-2012-4-0488, 71/02.09.2013, PI Assoc. Prof. Dr. Radu Silaghi-Dumitrescu), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

October 2013 – October 2014

Leibniz-DAAD postdoctoral fellow

Identification of new plant E3 Ubiquitin ligases via activity-based protein profiling probes involved in N-end rule protein degradation pathway (PI Dr. Nico Dissmeyer), Leibniz Institute of Plant Biochemistry, Weinberg 3, 06120, Halle (Saale), Germany.

July 2008 - December 2010;

Research assistant

April 2011 - October 2014

Protein purification and characterization (grants Ctr. IDEI 107/2007; Ctr. PN II ID PCCE 2/140/2008 – P5, CNCSIS Romania, PI Assoc. Prof. Dr. Radu Silaghi-Dumitrescu), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

January 2011 – May 2011

Visiting PhD student

Direct electrochemistry and spectroelectrochemistry of proteins (under supervision of Dr. H. A. Heering), Leiden Institute of Chemistry, Leiden University, Einsteinweg 55, 2333 CC Leiden, The Netherlands

July 2008 – October 2008

Visiting research assistant

Period of research at University at San Antonio, TX, USA which implied expression, purification and characterization of a new flavo-diiron protein and expression, purification and PEGylation of *Phascolopsis gouldii* hemerythrin for a blood substitutes protocol (under supervision of Prof. Dr. Donald Kurtz).

Education and training

October 2009 – October 2012

Ph.D. in Chemistry awarded with *Excellent* honor

Laccase from Sclerotinia sclerotiorum: biochemical characterization and applications. Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

October 2008 – June 2009

Master in Analytical Chemistry

Modern methods for quality control and environmental assessment, Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

October 2004 – June 2008

Bachelor studies in Chemistry

(Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Physical Chemistry and Biochemistry), Babes-Bolyai University, 1 Mihail Kogalniceanu, 400084 Cluj-Napoca, Romania.

Personal skills and competences

Mother tongue

Other language

Self-assessment

European level ()***Romanian**

				Understanding				Speaking				Writing	
				Listening		Reading		Spoken interaction		Spoken production			
English	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	C 1	Proficient user	
French	B 1	Independent user	B 2	Independent user	A 2	Basic User	A 1	Basic User	A 1	Basic User	B 1	Independent user	
Greek	A 2	Basic User	A 1	Basic User	A 1	Basic User	A 1	Basic User	A 1	Basic User	A 1	Basic User	

(*) [*Common European Framework of Reference \(CEF\) level*](#)**Technical skills and competences**

- Chemometric methods applied in multivariate data analysis
- Spectrophotometric and chromatographic analytical methods applied in quantitative analysis of biological samples, including forensic and clinical analysis;
- Bioanalytical methods applied in evaluation of antioxidant capacity of natural products.
- Protein analysis (electrophoresis, gel filtration, affinity chromatography);
- Phytochemistry and phytoanalysis
- Western blotting and immunodetection;
- Electroanalysis, spectroelectrochemistry;
- Enzymatic assays, enzyme kinetics;
- Fluorescence and fluorescence polarization applied in analytical chemistry;
- Electron Resonance Spectroscopy applied in analytical chemistry;

Publications and citation metrics

<https://orcid.org/0000-0002-1679-0487>
<https://publons.com/researcher/1534642/augustin-c-mot/>

- > 70 scientific articles published in ISI Thomson-Reuters
- Total citations: >1500 (Google scholar), > 1200 (Scopus), > 1050 (Web of Science)
- Hirsch Index: 18 (Scopus and Web of Science), 21 (Google Scholar)
- 2 book chapters
- >15 oral communications in English at scientific meetings

December 2021

Lect. Dr. Augustin C. Moț