

Curriculum vitae Europass



Personal Information

Name **Covaci Enikő**
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Google Scholar <https://scholar.google.com/citations?user=3XOsk0AAAAAJ&hl=en&oi=sra>
Date of birth 20.03.1990

Field of expertise

Chemistry

WORK EXPERIENCE

Dates (from – to)	February 2020 - Present
Occupation or position field	Assistant Professor
Main activities and responsibilities	Teaching analytical chemistry and instrumental analysis laboratory classes. Research in the field of analytical chemistry.
Name and address of employer	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285, Romania
Type of activity	Didactics and research
Dates (from – to)	16 July 2018 – February 2020
Occupation or position field	Scientific research assistant (chemist)
Main activities and responsibilities	Project PN III: Selective solubilization and recovery of base and noble metals from waste printed circuit boards (WPCBs) using chemical and electrochemical processes. Research project PNCDI - UEFISCDI, nr. PN-III-P1-1.2-PCCDI-2017-0652.
Name and address of employer	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285, Romania
Type of activity	Research
Dates (from – to)	October 2016 – June 2018
Occupation or position field	Chemist/Volunteer
Main activities and responsibilities	Environmental samples and food analysis by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES), Inductively Coupled Plasma Mass Spectrometry (ICP-MS), Atomic Absorption Spectrometry (AAS), Atomic Fluorescence Spectrometry (AFS).
Name and address of employer	National Institute for Research and Development of Optoelectronics Bucharest – Research Institute of Analytical Instrumentation (ICIA), Donath 67, 400293, Cluj-Napoca, Romania
Type of activity	Research
Dates (from – to)	01 January 2017 – 02 July 2018
Occupation or position field	Research assistant (Chemist)
Main activities and responsibilities	PED project: Method development and validation for mercury speciation by photochemical vapor generation capacitively coupled plasma optical emission spectrometry (μ CCP-OES), CNCDI-UEFISCDI, nr. PN-III-P2-2.1-PED-2016-0135

Name and address of employer Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285 Romania

Type of activity Research

Dates (from – to) **November 2015 – May 2016**

Occupation or position field Chemist/Volunteer

Main activities and responsibilities Biochemical and immunochemical markers analysis from blood, urine and cerebrospinal fluid by UV-VIS spectrophotometry, potentiometry and turbidimetry.

Name and address of employer Children's Emergency Hospital, Medical Analysis Laboratory, Crişan 3-5, 400177, Cluj-Napoca, Romania

Type of activity Clinical analysis

EDUCATION AND TRAINING

Dates (from – to) **October 2016 - Present**

Title of qualification awarded PhD in Chemistry

Main subjects/Occupational skills covered Advanced chemical analysis skills in heavy metal determination by spectrometric methods. Development and validation of eco-scale methods for mercury speciation using photochemical vapor generation capacitively coupled microplasma optical emission spectrometry. PhD advisor: Prof. Dr. Ing. Tiberiu Frenţiu

Name and type of organization providing the education Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285 Romania

Dates (from – to) **October 2014 - June 2016 Master's degree in Clinical Chemistry**

Title of qualification awarded Master's degree in chemistry

Master's dissertation title Optimization of anodic stripping voltammetry for heavy metal determination in mushrooms and mushroom dietary supplements

Name and type of organization providing the education Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285 Romania

Dates (from – to) **October 2012 - June 2014 Master's degree in Modern synthesis techniques in chemistry**

Title of qualification awarded Master's degree in chemistry

Master's dissertation title Novel Fe(II) complexes with methyl-isopropyl-dioxime, theirs physicochemical and biological analysis

Name and type of organization providing the education Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285 Romania

Dates (from – to) **October 2009 – June 2012 Bachelor's degree in chemistry**

Title of qualification awarded Bachelor's degree in chemistry

Bachelor's dissertation title Fe(II) chelates with methyl-isopropyl-dioxime

Name and type of organization providing the education Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Arany Janos 11, 4000285 Romania

PERSONAL SKILLS AND COMPETENCES

Mother tongue Hungarian

Foreign languages

Self-assessment

English

German

Comprehension				Speaking				Writing	
Listening		Reading		Conversation		Oral presentation		Writing skills	
C1	Advanced	C1	Advanced	C1	Advanced	B2	Medium	C1	Advanced
A1	Beginner	A1	Beginner	A1	Beginner	A1	Beginner	A1	Beginner

Technical skills and competences

- Member in research teams (3 projects)
- Articles published abroad: 16 ISI journals (total impact factor 46,282 (7 first author, 2 first author and corresponding author) and 4 in proceedings)
- Books published: 1 (Frențiu Tiberiu, Moț Augustin Cătălin, Covaci Enikő, Metode instrumentale de analiză – aplicații, Presa Universitară Clujeană, Cluj-Napoca, 2019)
- National and international conference participations: 19
- Member of the Research Center for Advanced Chemical Analysis, Instrumentation and Chemometrics (Analytica)

Social skills

Computer skills and competences

Sociable, responsible, good relations with colleagues, good adaptive skills.

Microsoft Office (Word, Excel, PowerPoint), Microsoft Teams, ChemDraw, Origin, Statistica, Photoshop, CorelDraw.

Research projects

Nr.	Program/Project name	Position	Period	Director	Financing
1.	Program PNCDI III/Demonstrative experimental project. Analytical eco-scale methods for the determination and speciation of Hg by UV photo-induced derivatization and detection using a fully-miniaturized experimental spectrometric system (ECOSPEC). PN-III-P2-2.1-PED-2016-0135	Member – scientific research assistant	03 January 2017 – 02 July 2018	Prof. Dr. Frențiu Tiberiu	Budget. National Authority for Scientific Research and innovation CNDI-UEFISCDI
2.	Program PN III/Complex projects completed in consortia CDI (FPRD). Innovative Technologies for Advanced Materials Recovery from IT and Telecommunication Waste (TRADE-IT); PN-III-P1-1.2-PCCDI-2017-0652. Member in Partner's 2 research group entitled Efficient and environmentally friendly electrochemical and chemical technologies for advanced recovery of printed circuit board waste (PCBW) materials from computer and telecommunications equipment (TEGRADEI).	Member Partner 2 – scientific research assistant	16 July 2018 – February 2020	TRADE-IT director: Conf. Dr. Ing. Purcar Marius; TECRADEI director: Prof. Dr. Ing. Ilea Petru	Budget. National Authority for Scientific Research and innovation CNDI-UEFISCDI
3	Program PNCDI III/Proiect experimental demonstrativ. Decontamination of heavy metal polluted soils by exploiting plant rhizosphere interactions. Cod proiect: PN-III-P2-2.1-PED-2019-5254	Membru	Martie 2020 - Prezent	Conf. Dr. Dorina Podar	Buget. Autoritatea Națională pentru Cercetare Științifică CNDI-UEFISCDI

Cluj-Napoca,

01.12.2021

Asist. Univ. Drd. Covaci Enikő

Covaci