

Curriculum vitae Europass



Personal Information

Name **Covaci Enikő**
E-mail eniko.covaci@ubbcluj.ro;

Field of expertise Chemistry

WORK EXPERIENCE

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|--------------------------------------|---|
| Dates (from – to) | February 2023 - Present |
| Occupation or position field | Lecturer |
| Main activities and responsibilities | Didactics: course and laboratory of Analytical chemistry; laboratories of Basics of analytical chemistry; Analytical chemistry – instrumental analysis and Advanced analytical chemistry Research in the field of analytical chemistry and instrumental analysis |
| Name and address of employer | Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany Janos 11, Cluj-Napoca |
| Type of activity | Didactics and research |
| Dates (from – to) | February 2020 – February 2023 |
| Occupation or position field | Assistant Professor |
| Main activities and responsibilities | Laboratories of Basics of analytical chemistry, Analytical chemistry – instrumental analysis, Analytical chemistry. Research in the field of analytical chemistry and instrumental analysis |
| Name and address of employer | Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany Janos 11, Cluj-Napoca |
| Type of activity | Didactics and research |
| Dates (from – to) | October 2016 – June 2018 |
| Occupation or position field | Chemist/Volunteer |
| Main activities and responsibilities | Environmental samples and food samples preparation and analysis by ICP-OES, ICP-MS, FAAS, GFAAS, TDAAS, and CV-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) | February 2017 – June 2017 |
| Occupation or position field | PhD student/chemist |
| Main activities and responsibilities | Laboratories of Analytical chemistry |
| Type of activity | Didactics |
| 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, Crișan 3-5, 400177, Cluj-Napoca |
| Type of activity | Clinical analysis |

EDUCATION AND TRAINING

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|---|---|
| Dates (from – to) | 23-27 May 2022 |
| Title of qualification awarded | Erasmus+ scholarship |
| Main subjects/Occupational skills covered | Theoretical and practical aspects regarding selected air pollutants by ICP-MS and gas chromatography with thermal desorption coupled with mass spectrometry (TD-GC/MS) (activity ensured by INDAIRPOLLUTNET Training School of Cost Action 17136, organized with the financial support from the European Union) |
| Name and type of organization providing the education | Eötvös Loránd (ELTE) University, Faculty of Science, Aleea Pázmány Péter street 1/A, 1117, Budapest, Hungary |
| Dates (from – to) | October 2016 – April 2022 |
| Title of qualification awarded | PhD in Chemistry |
| PhD thesis title | Eco-analytical methods for mercury determination and speciation by optical emission spectrometry in microplasmas |
| 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. |
| Name and type of organization providing the education | Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany Janos 11, Cluj-Napoca |
| Dates (from – to) | October 2014 - June 2016 |
| Title of qualification awarded | Master's degree in chemistry, Clinical Chemistry programme |
| 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, Arany Janos 11, Cluj-Napoca |
| Dates (from – to) | October 2012 - June 2014 |
| Title of qualification awarded | Master's degree in chemistry, Modern synthesis techniques in chemistry programme |
| 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, Arany Janos 11, Cluj-Napoca |
| Dates (from – to) | October 2009 – June 2012 |
| 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, Arany Janos 11, Cluj-Napoca |

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 | C1 | Advanced | C1 | Advanced |
| A1 | Beginner | A1 | Beginner | A1 | Beginner | A1 | Beginner | A1 | Beginner |

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| Technical skills and competences | <ul style="list-style-type: none"> • Member in research teams (5 research projects) • Articles published abroad: 25 ISI journals (total impact factor 66.1; total relative influence score 22.892) and 7 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: 30 • Member of the Research Center for Advanced Chemical Analysis, Instrumentation and Chemometrics (Analytica) and Romanian Chemical Society |
| Social skills | Sociable, responsible, good relations with colleagues, good adaptive skills. |
| Computer skills and competences | Microsoft Office (Word, Excel, PowerPoint), Microsoft Teams, ChemDraw, Origin, Statistica, Photoshop, CorelDraw and specific instrumental softwares. |

Cluj-Napoca,
03.11.2023

Lect. Dr. Enikő Covaci

Covaci