



## Cătălin Eduard ȘALGĂU

**Nationality:** Romanian **Date of birth:** 22/12/1997 **Gender:** Male

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📍 **Work:** Faculty of Chemistry and Chemical, Babeș-Bolyai University 11 Arany János Street, 400028 Cluj-Napoca (Romania)

### EDUCATION AND TRAINING

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#### PhD Student

**Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering** [ 2021 – Current ]

Address: 11 Arany János Street, RO-400028 Cluj-Napoca (Romania) | Website: <http://www.chem.ubbcluj.ro/> |  
Field(s) of study: Natural sciences, mathematics and statistics: • Chemistry

#### Master's Degree in Advanced Chemistry

**Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering** [ 2019 – 2021 ]

Address: 11 Arany János Street, RO-400028 Cluj-Napoca (Romania) | Website: <http://www.chem.ubbcluj.ro/> |  
Field(s) of study: Advanced Chemistry

#### Bachelor's Degree in Chemistry

**Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering** [ 2016 – 2019 ]

Address: 11 Arany János Street, RO-400028 Cluj-Napoca (Romania) | Website: <http://www.chem.ubbcluj.ro/> |  
Field(s) of study: Chemistry

#### Baccalaureate Diploma

**"Mihai Eminescu" National College** [ 2012 – 2016 ]

Address: Octav Onicescu, Nr. 7, RO-710114 Botoșani (Romania) | Website: [www.lme.ro](http://www.lme.ro) | Field(s) of study: Natural Sciences

### LANGUAGE SKILLS

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**Mother tongue(s):** Romanian

**Other language(s):**

#### English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

#### French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

### SKILLS

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Microsoft Office / Reaxys / Scifinder / Chemdraw / MestReNova / Diamond Crystal Impact / CCDC Mercury

### PUBLICATIONS

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[2019]  
**Group 12 metal complexes with organoselenolato ligands – poster** Group 12 metal complexes with organoselenolato ligands – poster, International Conference Students for Students, XVI<sup>th</sup> Edition, April 2<sup>nd</sup>-6<sup>th</sup>, 2019, Cluj-Napoca, Romania

Şalgău, C. E., Silvestru, A., International Conference Students for Students, 2019, Cluj-Napoca

[2020]

**Synthesis and structural characterization of mercury(II) metal complexes containing the 2-(Me<sub>2</sub>NCH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub>Se ligand** DOI 10.33224/rrch.2020.65.6.10

Şalgău, C. E., Pop, A., Rev. Roum. Chim., 2020, 65, 595-600

[2021]

**Hypercoordinated organoselenium ligands and their reactivity towards group 12 metals** Hypercoordinated organoselenium ligands and their reactivity towards group 12 metals, International Conference Students for Students, XVII<sup>th</sup> Edition, April 21<sup>st</sup>-24<sup>th</sup>, 2021, Cluj-Napoca, Romania

Şalgău, C.E., Silvestru, A., International Conference Students for Students, 2021, Cluj-Napoca

[2021]

**New mercury(II) complexes of polydentate ligands**

Şalgău, C., Dobri, A., Silvestru, A., Studia UBB Chemia, 2021, LXVI, 3, 175-185

[2023]

**Cadmium complexes with organoselenolato ligands. Synthesis and structural characterization** Şalgău, C. E., Pop, A., Silvestru, A., 4<sup>th</sup> Young Researchers' International Conference on Chemistry and Chemical Engineering, 1-3 June, 2023, Debrecen, Hungary

Şalgău, C. E., Pop, A., Silvestru, A., YRICCCE IV, 1-3 June, 2023, Debrecen, Hungary