



Adrian-Ioan Dudu

Date of birth: 09/07/1993 | **Nationality:** Romanian | **Phone number:** (+40) 726144925 (Mobile) | **Email address:** adrian.dudu@ubbcluj.ro | **Address:** str. Arany Janos, no. 11, 400028, Cluj Napoca, Romania (Work)

● WORK EXPERIENCE

04/07/2017 – 18/09/2018 Cluj Napoca, Romania
CHEMICAL ENGINEER SC TERAPIA SA

01/03/2021 – 01/07/2021 Cluj Napoca, Romania
UNIVERSITY TEACHING ASSISTANT BABES-BOLYAI UNIVERSITY

15/09/2021 – 30/09/2022 Cluj Napoca, Romania
CHEMICAL ENGINEER BABES BOLYAI UNIVERSITY

Project: PN-III-P2-2.1-PED-2019-5031
Biocatalysis Engineering - Selective Magnetic Nanoparticles-based Reactor Technology (BE-SMART)

15/10/2021 – CURRENT Cluj Napoca, Romania
CHEMIST BABES-BOLYAI UNIVERSITY

04/08/2023 – CURRENT Cluj Napoca, Romania
SCIENTIFIC RESEARCHER POSTDOC BABES-BOLYAI UNIVERSITY

Project: PNRR Contract no. 760042/23.05.2023
Advanced (Multi)-Enzymatic Synthesis and Purification Process for Bio-based Furan Derivatives (ASPIRE)

● EDUCATION AND TRAINING

01/10/2012 – 01/07/2016 Cluj Napoca, Romania
CHEMICAL ENGINEER Babes-Bolyai University

01/10/2016 – 01/07/2018 Cluj Napoca, Romania
CHEMICAL ENGINEER Babes-Bolyai University

01/10/2018 – 14/06/2022 Cluj Napoca, Romania
PHD IN CHEMISTRY Babes-Bolyai University

Final grade Summa Cum Laude |

Thesis Encapsulation of Lipase B from *Candida antarctica* in Tailored Sol-Gel Matrices With Biocatalytic Applications

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C1 | C1 | C1 | C1 | C1 |

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

● **DIGITAL SKILLS**

Microsoft Office | Microsoft Word | Microsoft Excel | GraphPad Prism | MestReNova, MarvinSketch and ChemDraw

● **ADDITIONAL INFORMATION**

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B1

Driving Licence: B

PUBLICATIONS

[Solvent-free biocatalytic synthesis of 2, 5-bis-\(hydroxymethyl\) furan fatty acid diesters from renewable resources](#)

– 2020

[Green process for the enzymatic synthesis of aroma compounds mediated by lipases entrapped in tailored sol-gel matrices](#)

– 2021

[Eco-friendly enzymatic synthesis of anisyl propionate mediated by lipase B from Candida antarctica](#) – 2021

[Deep eutectic solvents-a new additive in the encapsulation of lipase B from Candida antarctica: biocatalytic applications](#)

– 2022

[Entrapment of lipase B from Candida antarctica in tailored sol-gel matrices for the synthesis of benzyl decanoate-importance of using an additive](#)

– 2023
