



## Alexandra Virginia Bounegru

**Data nașterii:** 21/08/1988 | **Cetățenie:** română | **Gen** Feminin | (+40) 0744640839 |

[alexandra.meresescu@yahoo.com](mailto:alexandra.meresescu@yahoo.com) | [alexandra.meresescu@ugal.ro](mailto:alexandra.meresescu@ugal.ro) |

Str Brailei Nr 254, Bl G4, ap 28, 800562, Galati, România

### EXPERIENȚA PROFESIONALĂ

01/03/2021 - ÎN CURS - Galați  
**ASISTENT DE CERCETARE - UNIVERSITATEA DUNĂREA DE JOS**

Proiect de Cercetare Exploratorie (PCE 2020) „Noi biosenzori și instrumente inteligente pentru detecția ultrasensibilă a falsificării uleiurilor de măsline”

01/09/2019 - ÎN CURS - Tecuci, România  
**CADRU DIDACTIC ÎN ÎNVĂȚĂMÂNTUL POSTLICEAL SANITAR - LICEUL OVID CALEDONIU**

01/09/2016 - 15/06/2019 - Galați, România  
**CADRU DIDACTIC ÎN ÎNVĂȚĂMÂNTUL POSTLICEAL SANITAR - LICEUL EMIL RACOVIȚĂ**

05/2019 - 09/2019 - Galati, România  
**FARMACIST DIRIGINTE - SC HELP NET SA**

05/2017 - 05/2019 - Galati, România  
**FARMACIST - SC HELP NET SA**

09/2015 - 05/2017 - Galati, România  
**FARMACIST - SC. SENSIBLU SRL**

01/10/2012 - 15/06/2016 - Galați, România  
**CADRU DIDACTIC ÎN ÎNVĂȚĂMÂNTUL POSTLICEAL SANITAR - ȘCOALA POSTLICEALĂ SFÂNTUL VASILE CEL MARE**

10/2012 - 09/2015 - Galati, România  
**FARMACIST - SC MYOSOTIS SRL**



## EDUCAȚIE ȘI FORMARE PROFESIONALĂ

01/10/2018 – ÎN CURS

**DOCTORAT ÎN DOMENIUL CHIMIE** – Universitatea Dunărea de Jos- Școala Doctorală de Științe Fundamentale și Inginerești

01/10/2017 – 15/06/2019

**MASTER ÎN DOMENIUL CHIMIE- ANALIZA ȘI CONTROLUL PRODUSELOR AGROCHIMICE, FARMACEUTICE ȘI COSMETICE** – Universitatea Dunărea de Jos

05/2019 – 06/2019

**CURS POSTUNIVERSITAR DE FORMARE ȘI DEZVOLTARE PROFESIONALĂ CONTINUĂ- REDACTAREA ȘI PUBLICAREA ARTICOLELOR ȘTIINȚIFICE** – Universitatea Dunărea de Jos- Departamentul de formare continuă și transfer tehnologic

09/2015 – 07/2016 – Galati, România

**GRAD DIDACTIC: DEFINITIVAT** – Inspectoratul școlar

2013 – 2014

**MODULUL II PSIHOPEDAGOGIC** – Universitatea Dunărea de Jos- Departamentul pentru Pregătirea Personalului Didactic

01/10/2007 – 09/2012 – str Domneasca, Galati

**LICENȚĂ ÎN DOMENIUL SĂNĂTATE- FARMACIE** – Universitatea Dunărea de Jos- Facultatea de Medicină și Farmacie

2009 – 2011

**MODULUL I PSIHOPEDAGOGIC** – Universitatea Dunărea de Jos- Departamentul pentru Pregătirea Personalului Didactic

## COMPETENȚE LINGVISTICE

**Limbă(i) maternă(e): ROMÂNĂ**

**Altă limbă (Alte limbi):**

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehenșiune orală	Citit	Exprimare scrisă	Conversație	
<b>ENGLEZĂ</b>	B1	B1	A2	A2	A2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

## COMPETENȚE DIGITALE

Coreldraw | Origin | ChemSketch - nivel avansat | Microsoft Office | Echem

## PUBLICAȚII

Constantin Apetrei, Alexandra Virginia Bounegru. **Electronic Noses and Traceability of Foods. In Reference Module in Food Science 2020.** <https://doi.org/10.1016/B978-0-08-100596-5.22852-7>

2020



Bounegru, A.V.; Apetrei, C. Development of a Novel Electrochemical Biosensor Based on Carbon Nanofibers–Gold Nanoparticles–Tyrosinase for the Detection of Ferulic Acid in Cosmetics. *Sensors* 2020, 20, 6724, doi:10.3390/s20236724. F.I.. 3.520

---

2020

Bounegru, A.V.; Apetrei, C. Voltammetric Sensors Based on Nanomaterials for Detection of Caffeic Acid in Food Supplements. *Chemosensors* 2020, 8, 41, doi:10.3390/chemosensors8020041. F.I. 3.108

---

2020

Bounegru, A.V.; Apetrei, C. Carbonaceous Nanomaterials Employed in the Development of Electrochemical Sensors Based on Screen-Printing Technique—A Review. *Catalysts* 2020, 10, 680, doi:10.3390/catal10060680. F.I. 3.275

---

2020

Bounegru, A.V.; Apetrei, C. Voltamperometric Sensors and Biosensors Based on Carbon Nanomaterials Used for Detecting Caffeic Acid—A Review. *IJMS* 2020, 21, 9275, doi:10.3390/ijms21239275. F.I. 4.556

---

2020

Bounegru, A.V.; Apetrei, C. Laccase and Tyrosinase Biosensors Used in the Determination of Hydroxycinnamic Acids. *IJMS* 2021, 22, 4811, doi:10.3390/ijms22094811. F.I. 4.556

---

2021

Gunache (Roșca), R.O.; Bounegru, A.V.; Apetrei, C. Determination of Atorvastatin with Voltammetric Sensors Based on Nanomaterials. *Inventions* 2021, 6, 57, doi:10.3390/inventions6030057.

---

Bounegru, A.V.; Apetrei, C. Development of a Novel Electrochemical Biosensor Based on Carbon Nanofibers–Cobalt Phthalocyanine–Laccase for the Detection of p-Coumaric Acid in Phytoproducts. *International Journal of Molecular Sciences* 2021, 22, 9302, doi:10.3390/ijms22179302.

---

## CONFERENCE ȘI SEMINARE

---

Alexandra Virginia Mereșescu (Bounegru), Constantin Apetrei. Development of Screen-Printed Sensors Based on Carbonaceous Nanomaterials, Poster. Book of abstracts, <http://www.cssd-udjg.ugal.ro/index.php/abstracts-2019>, page 252. SCDS-UDJG 2019, The Se

---

Alexandra Virginia Mereșescu (Bounegru), Constantin Apetrei. Voltammetric Determination of Caffeic Acid in Pharmaceutical Products, S3-221. RICCE 21, 21st Romanian International Conference on Chemistry and Chemical Engineering, September 4-7 2019, C

---

Mereșescu (Bounegru) Alexandra Virginia, Apetrei Constantin. Development of screen-printed sensors based on carbonaceous nanomaterials for the determination of caffeic acid. UGALINVENT, Research and Innovation Salon, Ediția a IV-a, 16-18 October 2019

---

Alexandra Virginia MEREȘESCU (BOUNEGRU), Constantin APETREI. Development of nanomaterials-based electrochemical sensors for the determination of caffeic acid from food supplements, Iasi CHEM Conference 3th Edition, "Alexandru Ioan Cuza" University of

---

Mereșescu (Bounegru) Alexandra Virginia, Apetrei Constantin. Development of Screen-printed Sensors And Biosensors For The Detection of Ferulic Acid. National Online Conference of Biophysics, CNB 2020, 14 - 16 June, 2020

---



Mereşescu (Bounegru) Alexandra Virginia, Apetrei Constantin. Enzyme Sensor Based on Carbon Nanofibers Modified with Gold Nanoparticle and Tyrosinase Used for Ferulic Acid Detection in Cosmetics. SCDS-UDJG 2020, Galaţi, 18th and 19th of June 2020

---

Ancuta Dinu, Dorin Dascalescu, Irina Georgiana Munteanu, Alexandra Virginia Bounegru, Ramona-Oana Rosca, Constantin Apetrei. Electrochemical sensors based on nanomaterials employed in water analysis. SCDS-UDJG 2020, Galaţi, 18th and 19th of June 202

---

Alexandra Virginia Mereşescu (Bounegru), Constantin Apetrei. Electrochemical Determination Of Ferulic Acid In Cosmetics Using Screen-Printed Carbon Nanofiber Electrodes Modified With Gold Nanoparticles. New Trends on Sensing- Monitoring- Telediagnosi

---

Participation- Food Safety and Healthy Living- International Summer School, 5-8.07.2020

---

Alexandra Virginia Mereşescu (Bounegru), Constantin Apetrei. Electrochemical Sensor Based On Carbon Nanofibers For Detection Of P-Coumaric Acid In Phytoproducts. International Conference Chimia 2020 "New Trends In Applied Chemistry", 2021 Constanta,

---

Alexandra Virginia Bounegru (Mereşescu) , Constantin Apetrei , Irina-Georgiana (Bulgaru) Munteanu , Ramona-Oana (Gunache) Roşca. Development Of Biosensors For The Hydroxycinnamic Acids Analysis. Next-Chem 'Tehnologii Inovatoare Trans-Sectoriale', Ediţi

---

Alexandra Virginia Mereşescu (Bounegru), Constantin Apetrei. Enzyme sensors based on carbonaceous nanomaterials modified with cobalt phtalocyanine and lacasse used for p-coumaric acid detection in pharmaceuticals products. SCDS-UDJG 2021, Galaţi, 10

---

Constantin Apetrei,\* Alexandra Virginia Bounegru, Irina Georgiana Munteanu, Irina Mirela Apetrei. Electrochemical sensors and biosensors based on polypyrrole for detection of phenolic compounds in olive oils. SCDS-UDJG 2021, Galaţi, 10th and 11th of

---

Alexandra Virginia Bounegru, Constantin Apetrei. Development of a novel voltamperometric sensor based on carbon nanofibers and cobalt phtalocyanine for the detection of p-coumaric acid. CSAC2021: 1st International Electronic Conference on Chemical

---

Constantin Apetrei,\* , Alexandra Virginia Bounegru, Irina Georgiana Munteanu, Irina Mirela Apetrei Development of a sensitive method for the voltammetric detection of phenolic compounds in extra virgin olive oils. CSAC2021: 1st International Electroni

---

Alexandra Virginia Bounegru, Constantin Apetrei. Development of novel biosensor for the detection of p-coumaric acid in phenolic extracts from virgin olive oils. 31st Anniversary World Congress on Biosensors. 26-29 July 2021.

---

## **DISTINCȚII ONORIFICE ȘI PREMII**

---

Premiul I –Poster session 2019, Poster: "Development of Screen-Printed Sensors Based on Carbonaceous Nanomaterials". SCDS-UDJG 2019, The Seventh Edition, Galaţi, 13th-14th of June 2019

---

Medalie de Bronz, 2019, Poster: Development of screen-printed sensors based on carbonaceous nanomaterials for the determination of caffeic acid. UGALINVENT, Research and Innovation Salon, Ediția a IV-a, 2019

---

Mențiune- Poster session 2019, Poster: Enzyme Sensor Based on Carbon Nanofibers Modified with Gold Nanoparticle and Tyrosinase Used for Ferulic Acid Detection in Cosmetics. SCDS-UDJG 2020, Galaţi, 18th and 19th of June 2020

---



Food Safety and Healthy Living- International Summer School AWARD -THE MOST ACTIVE TEAM OF STUDENTS  
Students from "Dunareade Jos" University of Galati, Romania

---

Premiul II pentru articolul "Voltamperometric Sensors and Biosensors Based on Carbon Nanomaterials Used for Detecting Caffeic Acid—A Review", publicat în revista International Journal of Molecular Sciences la concursul pentru PREMIEREA REZULTATELOR C

---

Premiul III- Sesiunea de postere 2021. Alexandra Virginia Mereşescu (Bounegru), Constantin Apetrei. Poster:  
Enzyme sensors based on carbonaceous nanomaterials modified with cobalt phthalocyanine and lacasse used for p-coumaric acid detection in pharma

---