# Curriculum vitae Europass

## Informaţii personale


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| Nume / Prenume | **Rizescu Cristina Adriana** |
| Adresă(e) | Târgoviste, Dâmbovița |
| Telefon(oane) | 0728232870 |
| E-mail(uri) | ade_rizescu@yahoo.com |
| Naţionalitate(-tăţi) | Română |
| Data naşterii | 26.08.1989 |
| Sex | Feminin |


## Experienţa profesională

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| Perioada | 1.10.2012 – prezent |
| Funcţia sau postul ocupat | Asistent cercetare |
| Activităţi şi responsabilităţi principale | Cercetare |
| Numele şi adresa angajatorului | Universitatea din București, B-dul Regina Elisabeta, nr. 4–12, 030018 Bucureşti, Sector 3, România |

## Educaţie şi formare

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|---|---|
| Perioada | 1.10.2014 – prezent |
| Calificarea / diploma obţinută | Student doctorand |
| Disciplinele principale studiate / competenţe profesionale dobândite | Chimie |
| Numele şi tipul instituţiei de învăţământ / furnizorului de formare | Universitatea din București - Facultatea de Chimie<br>B-dul Regina Elisabeta nr. 4–12, sector 3, București |

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|---|---|
| Perioada | 1.10.2012 – 30.06.2014 |
| Calificarea / diploma obţinută | Diploma de master |
| Disciplinele principale studiate / competenţe profesionale dobândite | Chimia Medicamentelor și Produselor Cosmetice |
| Numele şi tipul instituţiei de învăţământ / furnizorului de formare | Universitatea din București - Facultatea de Chimie<br>B-dul Regina Elisabeta nr. 4–12, sector 3, București |

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|---|---|
| Perioada | 1.10.2008 – 30.06.2011 |
| Calificarea / diploma obţinută | Diploma de licenta |
| Disciplinele principale studiate / competenţe profesionale dobândite | Chimie,<br>Secția Chimie |
| Numele şi tipul instituţiei de învăţământ / furnizorului de formare | Universitatea din București - Facultatea de Chimie<br>B-dul Regina Elisabeta nr. 4–12, sector 3, București |

## Aptitudini şi competenţe personale

Limba(i) maternă(e): **Romana**

Limba(i) străină(e) cunoscută(e)

| Autoevaluare | Înţelegere | | Vorbire | | Scriere |
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| *Nivel european (*)* | Ascultare | Citire | Participare la conversaţie | Discurs oral | Exprimare scrisă |

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| **Engleza** | C1 | Utilizator experimentat | C1 | Utilizator experimentat | C1 | Utilizator independent | C1 | Utilizator independent | C1 | Utilizator independent |
| | Certificat de competenta lingvistica eliberat de Facultatea de Limbi Străine – Departamentul de Limbi Moderne (Universitatea din Bucuresti) | | | | | | | | | |
| **Spaniola** | A2 | Incepator | A2 | Incepator | A2 | Incepator | A2 | Incepator | A1 | Incepator |
| **Franceza** | A1 | Incepator | A1 | Incepator | A1 | Incepator | A1 | Incepator | A1 | Incepator |

Competenţe şi abilităţi sociale

- o buna capacitate de comunicare
- capacitate de adaptare la lucrul intr-un spatiu restrans
- rezistenta la lucrul sub stres
- lucru în echipa
- multi-tasking

Competenţe şi aptitudini organizatorice

- atentia la detalii
- organozata
- perfectionista

Competenţe şi aptitudini tehnice

Publicatii:

- N. Candu, C. Rizescu, I. Podolean, M. Tudorache, V. I. Parvulescu, S. M. Coman, Efficient magnetic and recyclable SBILC (Supported Basic Ionic Liquid Catalyst)–based heterogeneous organocatalysts for the asymmetric epoxidation of trans-methylcinnamate, Catal. Sci. & Tech., 2015, 5, 729-737 (I.F.= 5.287)
- P. T. Huyen, M. Krivec, M. Kojčevar, I. C. Bucur, C. Rizescu, V. I. Parvulescu, Hydrogenation of Condensed Aromatic Compounds over Mesoporous Bifunctional Catalysts Following a Diels–Alder Adduct Pathway, ChemCatChem, 2016, 8, 1146 – 1156 (I.F.= 4.803)
- I. Podolean, C. Rizescu, C. Bala, L. Rotariu, V. I. Parvulescu, S. M. Coman, H. Garcia, Unprecedented Catalytic Wet Oxidation of Glucose to Succinic Acid Induced by the Addition of n-Butylamine to a RuIII Catalyst, ChemSusChem 2016, 9, 1 – 6 (I.F.= 7.22)
- C. Rizescu, I. Podolean, J. Albero, V. I. Parvulescu, S. M. Coman, C. Bucur, M. Puche, H. Garcia, N-doped graphene as metal-free catalyst for glucose oxidation to succinic acid, Green Chem. 2017, 19, 1999-2005 (I.F.= 9.125)
- C. Rizescu, I. Podolean, B. Cojocaru, V. I. Parvulescu, S. M. Coman, J. Albero, H. Garcia, RuCl3 supported on N-doped graphene as reusable catalyst for one-step glucose oxidation to succinic acid, ChemCatChem, 2017, 9(17), 3314-3321 (I.F.= 4.803)
- P. Sazama, J. Pastvova, C. Rizescu, A. Tirsoaga, V. I. Parvulescu, H. Garcia, L. Kobera, J. Seidel, J. Rathousky, P. Klein, I. Jirka, J. Moravkova, V. Blechta, Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template, ACS Catal., 2018, 8 (3), 1779–1789 (I.F.= 10.614)
- A. Primo, A. Franconetti,M. Magureanu, N. B. Mandache, C. Bucur, C. Rizescu, B. Cojocaru, V. I. Parvulescu, H. Garcia, Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: Mimicking bifunctional metal/supported catalysts in hydrogenation reactions, Green Chem., 2018,20, 2611-2623 (I.F.= 9.125)
- C. Rizescu, B. Cojocaru, N.T. Thanh Hien, P.T. Huyen, V.I. Parvulescu, Synergistic B-Al interaction in SBA-15 affording an enhanced activity for the hydro-isomerization of heptane over PteBeAl-SBA-15 catalysts, Microporous and Mesoporous Materials 281 (2019) 142–147 (I.F. = 3.64).
- M. Magureanu, N.B. Mandache, F. Gherendi, C. Rizescu, B. Cojocaru, A. Primo, H. Garcia, V.I. Parvulescu, Improvement of catalytic activity of graphene oxide by plasma treatment, Catalysis Today 366 (2021) 2–9 (I.F. = 5.825)
- M. Magureanu, N.B. Mandache, C. Rizescu, C. Bucur, B. Cojocaru, I. C. Man, A. Primo, V. I. Parvulescu, H. Garcia, Engineering hydrogenation active sites on graphene oxide and N-doped graphene by plasma treatment, Applied Catalysis B: Environmental 287 (2021) 119962 (I.F. = 16.683)

Contributii la conferinte stiintifice:

- C. Rizescu, N. Candu, M. Tudorache, V. I. Parvulescu, S. M. Coman, Highly active and enantioselective organocatalysts for the asymmetric epoxidation of *trans*-methylcinnamate. A green method., The 6th Asia-Pacific Congress on Catalysis (APCAT-6), Taipei, Taiwan, 13-17 October 2013
- N. Candu, C. Rizescu, M. Tudorache, V. I. Parvulescu, S. M. Coman, Organocatalysts Immobilized on Magnetically Recoverable@Silica Nanoparticles: Highly Selective Catalysts for the Asymmetric Epoxidation of *Trans*-Methylcinnamate, 25th Organic Reactions Catalysis Society Meeting, Tucson, AZ, USA, March 2-6, 2014
- D. Paul, N. Candu, C. Rizescu, I. C. Marcu, M. Tudorache, V. I. Parvulescu, S. M. Coman, Levulinic acid intercalated into LDH - a novel heterogeneous organocatalyst for the *trans*-cinnamic ester epoxidation, 12th European Congress on Catalysis – EuropaCat-XI, Kazan, Russia, 30 August – 4 September, 2015
- N. Candu, C. Rizescu, I. Podolean, M. Tudorache, I. C. Marcu, S. Wuttke, V. I. Parvulescu, S. M. Coman: Design and synthesis of heterogeneous organocatalysts for green epoxidation reactions, The 11th International Symposium of the Romanian Catalysis Society (ROMCAT 2016), 6-8 June 2016, Timisoara, Romania
- C. Rizescu, P. T. Huyen, M. Kočevar, V. I. Parvulescu, Diels-Alder coupling facilitating the hydrocracking of heavy fractions, RomCat Conference 2016, The 11th International Symposium of the Romanian Catalysis Society, 6-8 June 2016, Timisoara, Romania,
- I. Podolean, C. Rizescu, C. Bala, L. Rotariu, H. Garcia, S. M. Coman, V. I. Parvulescu, Ru(IV)-bis-amine adduct induced by the addition n-butylamine to Ru(III) catalysts: efficient catalytic sites for the glucose wet oxidation to succinic acid, La Rochelle, France, The International Symposium on Green Chemistry (ISGC), 16-19 May 2017
- I. Podolean, C. Rizescu, C. Bala, L. Rotariu, H. Garcia, S. M. Coman, V. I. Parvulescu, Catalytic wet oxidation of glucose to succinic acid in the presence of Ru(III)-based magnetic nanoparticles catalysts, Denver, USA, 25th North American Meeting (NAM), 4-9 June 2017
- S. M. Coman, I. Podolean, C. Rizescu, H. Garcia, V. I. Parvulescu, Glucose oxidation to succinic acid on metal-free N-doped graphene, 8-12 April 2018, 27th Organic Reactions Catalysis Society Meeting, San Diego, CA USA
- C. Rizescu, P. T. Huyen, V. I. Parvulescu, Hydrogenation of condensed aromatic compounds over mesoporous bifunctional catalysts following a Diels-Alder adduct pathway, EFCATS School on Catalysis, Liblice Castle – june 25-29 2018, Cezh Republic
- P. Sazama, J. Pastvova, C. Rizescu, A. Tarsoaga, V.I. Pârvulescu, H. Garcia, L. Kobera, J. Seidel, J. Rathovsky, P. Klein, I. Jirka, J. Morarkova, Catalytic Properties of 3D Graphene-like Microporous Carbons Synthesized in a Zeolite Template, Pre-symposium of ZMPC2018, "International Symposium on Advanced Zeolite Science & Technology", August 3, 2018, Tokyo, Japan.
- C. Rizescu, B. Cojocaru, N.T. Thanh Hien, P.T. Huyen, V.I. Parvulescu, Synergistic B-Al interaction in SBA-15 affording an enhanced activity for the hydroisomerization of heptane over Pt-B-Al-SBA-15 catalysts, RomCat Conference 2019, The 12th International Symposium of the Romanian Catalysis Society, Bucharest, Romania, 5-7 June 2019
- A. Primo, A.Franconetti, H. Garcia, M. Magureanu, N. Mandache, C. Bucur, C. Rizescu, B. Cojocaru, V.I. Parvulescu, Engineering active sites by hydrogen plasma irradiation: Mimicking bifunctional metal/supported catalysts in hydrogenation reactions, 14th EUROPACAT, Germany, August 18-23, 2019

Membru echipe de lucru proiecte:

- 2012-2014, „Synthesis of some C4, C5 carboxilic acid building block chemicals from renewable biomass resources (BIOBUILD)", *PN-II-PT-PCCA-2011-3.2-1367*, finantat de CNCS-UEFISCDI, director Prof. Simona M. Coman
- 2012, "Extensive valorization of lignin and salicylic acid to bulk and fine chemicals" (LISALCHEM), *PN-II-PT-PCCA-2011-3.2-0731*, proiectul nr.151/2012, finantat de UEFISCDI, director Vasile I. Parvulescu
- 2017, "Graphenes as eco-heterogeneous catalysts for the eco-production of C4-dicarboxylic acids", PN-III-P4-ID-PCE-2016-0146, proiectul nr 121/2017, director Vasile I. Parvulescu
- 2019, "FUNCTIONALIZED HIERACHICAL STRUCTURES ON GRAPHENE EXHIBITING MAGNETIC, ADSORPTION AND CATALYTIC PROPERTIES", PN-III-P4-ID-PCCF-2016-0088, proiectul PCCF 1/2018, director Marius Andruh

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| Competenţe şi aptitudini de utilizare a calculatorului | - atestat de competente de operare pe calculator si competente de nivel mediu de programare, obtinute ca urmare a profilului real urmat in liceu, cu specializarea matematica – informatica/ informatica intensiv<br>- utilizarea programelor de specialitate |
| Permis(e) de conducere | B |