



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Cojocaru, Bogdan Eugen**  
Address(es) Str. Teiul Doamnei, Bl.2, Sc.2, Ap.53, Sector 2, 023582 Bucharest, Romania  
Telephone(s) 0214100241 Mobile: 0740196382  
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E-mail bcojocaru@gmail.com  
Nationality Romanian  
Date of birth 09 July 1979  
Gender Male

### Desired employment / Occupational field

#### Work experience

Dates 2002-2003  
Occupation or position held Sports Instructor  
Main activities and responsibilities Boxing Competitions Organizer  
Name and address of employer Romanian Boxing Federation  
Type of business or sector Sports

Dates 2005-present  
Occupation or position held Research Assistant  
Main activities and responsibilities Catalysis  
Name and address of employer University of Bucharest, Catalysts and Catalytic Reactions Research Centre  
Type of business or sector Research

### Education and training

Dates 2005-2009  
Title of qualification awarded PhD in Chemistry  
Principal subjects/occupational skills covered Photocatalysis for destruction of toxic compounds  
Name and type of organisation providing education and training University of Bucharest

Dates 2002-2004  
Title of qualification awarded Master degree in Chemistry  
Principal subjects/occupational skills covered Catalysis / isomerisation  
Name and type of organisation providing education and training University of Bucharest

Dates 1998-2002

Title of qualification awarded Bachelor degree in Chemistry  
Principal subjects/occupational skills covered Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Technological Chemistry and Catalysis  
Name and type of organisation providing education and training University of Bucharest

Dates 1994-1998

Title of qualification awarded Baccalaureate  
Principal subjects/occupational skills covered Informatics / Mathematics

Name and type of organisation providing education and training "I.L. Caragiale" National College , Bucharest, Romania

### Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (\*)

**Language**

**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	English	C1	English	C1	English	C1	English	C1	English

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Organisational skills and competences

Head of research projects:

1. Catalizatori pe baza de fotosensibilizatori incastrati in zeoliti pentru reactii de foto-oxidare, CNCSIS TD, 2007-2009
2. Combustibili verzi – obtinerea hidrogenului din deseurile productiei de biodiesel folosind noi catalizatori si procese catalitice neconventionale, PN II PD, 2010-2012

Member in the organizational team:

1. Past and Present in DeNOx Catalysis : From Molecular Modelling to Chemical Engineering, 17-20 June, 2007, Uzlina, Romania
2. 8th International Symposium of the Romanian Catalysis Society, RomCat 2007, 21-23 June 2007, Bucharest, Romania.
3. 9th International Symposium of the Romanian Catalysis Society, Romcat 2010, 23-26 June 2010, Iasi, Romania
4. Chemistry and target identification of natural products, 22-24 May 2012, Bucharest, Romania

Technical skills and competences Trained to use DRIFT, DR-UV-Vis, Raman spectrometers, X-Ray Diffractometer, GC, LC and MS chromatographs

Computer skills and competences Certified Programmer-Analyst Support

Artistic skills and competences

Other skills and competences

Driving licence B category since 1999

**Additional information** Member of The Romanian Catalysis Society

**Annexes** List of publications; Training stages; Research projects

### List of publications:

1. D. Carriazo, C. Martín, V. Rives, A. Popescu, B. Cojocaru, I. Mandache, V. I. Parvulescu, *Micropor. Mesopor. Mat.*, **2006**, 95, 39-47;
2. L. Frunza, A. Schonhals, S. Frunza, V.I.; Parvulescu, B. Cojocaru, D. Carriazo, C. Martin, V. Rives, *J. Phys. Chem. A.*, **2007**, 111, 5166-5175;
3. B. Cojocaru, M. Laferrière, E. Carbonell, V. Parvulescu, H. Garcia, J. C. Scaiano, *Langmuir*, **2008**, 24, 4478-4481;
4. B. Cojocaru, V.I. Parvulescu, E. Preda, G. Iepure, V. Somoghi, E. Carbonell, M. Alvaro, H. Garcia, *Environ. Sci. Technol.*, **2008**, 42, 4908-4913;
5. M. Verziu, B. Cojocaru, J. Hu, R. Richards, C. Ciuculescu, P. Filip, V.I. Parvulescu, *Green Chem.*, **2008**, 10, 373-381;
6. B. Cojocaru, Ş. Neaţu, V.I. Pârvulescu, K. Dumbuya, H.-P. Steinrück, J. M. Gottfried, C. Aprile, H. Garcia, J. C. Scaiano, *Phys. Chem. Chem. Phys.*, **2009**, 11, 5569-5577;
7. B. Cojocaru, S. Neatu, V.I. Parvulescu, V. Somoghi, N. Petrea, G. Epure, M. Alvaro, H. Garcia, *ChemSusChem.*, **2009**, 2, 427-436;
8. C. Tiseanu, V.I. Parvulescu, B. Cojocaru, V.A. Lorenz-Fonfria, M. Kumke, A. Gessner, I. Enculescu, *Phys. Chem. Chem. Phys.*, **2010**, 12, 3031-3037;
9. Ş. Neaţu, B. Cojocaru, V.I. Pârvulescu, V. Şomoghi, M. Alvaro, H. Garcia, *J. Mater. Chem.*, **2010**, 20, 4050-4054;
10. V.I. Parvulescu, B. Cojocaru, V. Parvulescu, R. Richards, Z. Li, C. Cadigan, P. Granger, P. Miquel, C. Hardacre, *J. Catal.*, **2010**, 272, 92-100;
11. M. Alvaro, B. Cojocaru, A.A. Ismail, N. Petrea, B. Ferrer, F.A. Harraz, V.I. Parvulescu, H. Garcia, *Appl. Catal. B Environ.*, **2010**, 99, 191-197;
12. B. Cojocaru, C.Tiseanu, V.I. Parvulescu, *J. Non-Cryst. Solids*, **2010**, 356, 1854-1858;
13. S. Gopala, R.R. Bhattacharjee, R. Haerr, B. Yeginoglu, O.D. Pavel, B. Cojocaru, V.I. Parvulescu, R.M. Richards, *ChemCatChem*, **2011**, 3, 408-416;
14. M. Magureanu, D. Piroi, N.B. Mandache, V.I. Parvulescu, V. Parvulescu, B. Cojocaru, C. Cadigan, R. Richards, H. Daly, C. Hardacre, *Appl. Catal. B Environ.*, **2011**, 104, 84-90;
15. M. Ilie, B. Cojocaru, V.I. Parvulescu, H. Garcia, *Int. J. Hydrogen Energ.*, **2011**, 36, 15509-15518;
16. B. Cojocaru, Ş. Neaţu, E. Sacaliuc-Pârvulescu, F. Lévy, V.I. Pârvulescu, H. Garcia, *Appl. Catal. B Environ.*, **2011**, 107, 140-149;
17. O.D. Pavel, B. Cojocaru, E. Angelescu, V.I. Parvulescu, *Appl. Catal. A General*, **2011**, 403, 83-90;
18. C. Tiseanu, V.I. Parvulescu, M. Boutonnet, B. Cojocaru, P.A. Primus, C.M. Teodorescu, C. Solans, M. Sanchez Dominguez, *Phys. Chem. Chem. Phys.*, **2011**, 13, 17135-17145.
19. E. A. Dragu, S. Nica, M. Raicopol, A. Baran, D.-F. Anghel, B. Cojocaru, L. Tarko, A.C. Razus, *Tetrahedron Lett.*, **2012**, 53, 2611-2614.
20. C. Tiseanu, V. I. Parvulescu, B. Cojocaru, K. Pemartin, M. Sanchez-Dominguez, M. Boutonnet, *J. Phys. Chem. C*, **2012**, 116, 16776-16783
21. C. Tiseanu, B. Cojocaru, V.I. Parvulescu, M. Sanchez-Dominguez, P. A. Primus, M. Boutonnet, *Phys. Chem. Chem. Phys.*, **2012**, 14, 12970-12981
22. M. Ciobanu, B. Cojocaru, C. Teodorescu; F. Vasiliu, S.M. Coman, W. Leitner; V.I Parvulescu, *J. Catal.*, **2012**, 296, 43-54.

### Training stages:

1. Spain, Technical University of Valencia, February – April 2006, Prof. H. Garcia;
2. Canada, University of Ottawa, January – March 2007, Prof. J.C. Scaiano;
3. Spain, Technical University of Valencia, April – June 2008, Prof. H. Garcia;
4. UK, Queen's University of Belfast, October 2009, Prof. C. Hardacre;
5. France, European summer school for Biorefining, Paris, August 2011.

### Participation in research projects:

Head of research projects:

1. *Catalysts based on photosensitizers embedded in zeolites for photo-oxidation reactions*, State budget, CNCSIS TD, 2007-2009;
2. *Green fuels – hydrogen production from the waste of biodiesel industry using new catalysts and non-conventional catalytic processes*, PN II PD, 2010-2012

### Member in research teams:

1. *Photocatalytic decontamination of nerve and vesicant agents*, 2005-2008, NATO SfP 981476;
2. *Development of a new advanced system for industrial waste-waters treatment containing nitrogen, based on coupling of electrical discharge with heterogeneous catalysis and photocatalysis*, 2004-2006, State budget, PNCDI, CERES programme;
3. *Synthesis of matrix for redox supported catalysts: a new concept of hierarchical structures with applications in selective oxidation reactions*, 2004-2006, State budget, PNCDI, CERES programme;
4. *Hybrid luminescent meso-structured materials with lanthanide ions*, 2004-2006, State budget, PNCDI, CERES programme;
5. *New nano-structured oxide catalysts for industrial processes that ensure sustainable development*, 2005-2008, State budget, PNCDI, Research for Excellence programme;
6. *Materials and physical processes for advanced photon sources*, 2005-2007, State budget, PNCDI, Research for Excellence programme;
7. *Nanocomposites with lanthanide ions: structure-property relationships*, 2006-2008, State budget, PNCDI, Research for Excellence programme;
8. *Transesterification of triglycerides in heterogeneous catalysis assisted by non-conventional power sources: ultrasonics and microwaves*, 2006-2008, State budget, PNCDI, Research for Excellence programme;
9. *Amino-acids, structural units in selective synthesis*, 2008-2009, State budget, PNCDI, Bilateral Cooperation programme;
10. *Photocatalysts for hydrogen and fuels production from biomass and waste waters*, 2007-2010, State budget, PNCDI, Partnership programme;

11. *Development of new materials for industrial applications of the technology for catalytic control of NO<sub>x</sub> at low temperatures using gaseous mixtures H<sub>2</sub>/CO and H<sub>2</sub>/HC as reducing agents*, State budget, PNCDI, Bilateral Cooperation programme.