

Europass Curriculum Vitae



Personal information

First name(s)/ Surname(s) **Cojocaru Anca**
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Nationality Romanian
Gender F

Occupational field **Academic**

Work experience

Dates October 1992 – present
Occupation or position held Professor (since 2017), Associate Professor/Reader (2015-2017), Lecturer (2002-2015), Assistant lecturer (1994-2002), Teaching assistant (1992-1994)
Main activities and responsibilities Teaching License and Master students lectures in Electrochemistry, Corrosion and corrosion protection; Conductive polymers, Accident control and expertise in handling and transportation of chemicals, Technical and economic aspects of electrochemical technologies and corrosion; laboratory activities in Electrochemistry, Corrosion and corrosion protection, Electrochemical technologies, Thermodynamics and Applied Electrochemistry; research in the fields of Electrochemistry and Corrosion for conferences, student sessions, research grants, technical assistance in the teaching laboratories, research guidance to students; advisor for more than 30 research papers of students presented at the Students scientific communication sessions at Faculty of Chemical Engineering and Biotechnologies UPB Physical Chemistry and Electrochemistry section and at the International Conference Students for Students Cluj Napoca. Supervisor for dissertation works for master students in the sections Expertise of Chemicals, Food and Materials, Industrial Marketing, Polymer Science and Engineering, Economic Engineering in Industrial Activities (23). Member of the advisory committees of 25 PhD students.
Name and address of employer University "Politehnica" of Bucharest, 313 Splaiul Independentei, Bucharest, 060042, Romania
Type of business or sector High education / scientific research in electrochemistry and corrosion

Education and training

Dates 2013
Title of qualification awarded Postgraduate studies in the field of Education Sciences
Principal subjects/occupational skills covered Information on teaching didactics
Name and type of organisation providing education and training University Politehnica of Bucharest, Department of training for teaching career and socio-human sciences, within the project Participation in the Strategic Project - Co-financed by the European Social Fund Posdru - Entitled Quality, Innovation, Communication In the system of continuous training of teachers in higher education ID 63709
Dates 2014

Title of qualification awarded	Postgraduate course
Principal subjects/occupational skills covered	Project management information
Name and type of organisation providing education and training	Training course organized within the project POSDRU/7/7.1/AT/51 Improving the capacity of beneficiaries to implement operations co-financed through priority axes 1-6 of POSDRU 2007-2013
Dates	April 2008
Title of qualification awarded	Training workshop "Kronach Impedance Days", in Kloster Banz – Bad Staffelstein, Germany
Principal subjects/occupational skills covered	Courses and laboratory related to the new impedance techniques
Name and type of organisation providing education and training	Zahner-elektrik Mess systeme, Kronach, Germany
Dates	June 2007
Title of qualification awarded	Training Seminar "Management and student-centered learning for university teachers"
Principal subjects/occupational skills covered	Information regarding student-centered learning
Name and type of organisation providing education and training	Ministry of Education- National Centre for Vocational Education and Training, project PHARE TVET RO 2004/016
Dates	Oct. 1998-1999
Title of qualification awarded	Postgraduate courses
Principal subjects/occupational skills covered	Postgraduate courses in Electrochemistry and Corrosion, ELCOR
Name and type of organisation providing education and training	University "Politehnica" of Bucharest, Faculty of Chemical Technology, Bucharest, Romania
Dates	Oct. 1996 – May 2006
Title of qualification awarded	Doctoral studies
Principal subjects/occupational skills covered	Electrochemical methods of investigation (electrochemical impedance spectroscopy, cyclic voltammetry), semiconductor electrodes, the interpretation of electrode processes, writing articles, analyzing results, experimental results summarizing, experimental results presented at scientific conferences and published in journals.
Name and type of organisation providing education and training	University "Politehnica" of Bucharest, Faculty of Applied Chemistry and Materials Science
Dates	Sept 1985 -July 1990
Title of qualification awarded	Chemical engineer (5 year study programme)
Principal subjects/occupational skills covered	Chemical Engineering / Specialisation: Inorganic Chemistry
Name and type of organisation providing education and training	Polytechnic Institute of Bucharest, Faculty of Chemical Technology, Bucharest, Romania Diploma exam. 10 out of 10 Average grades of 5 years of study: 9.09 out of 10.

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

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

Social skills and competences	<p>Ability to work with students and colleagues from the Department and Faculty and other research laboratories. Team spirit - working in groups I have been easily integrated into various teams and working media in order to participate in numerous complex national and international research projects with multiple partners (CEEX, PN2, Parteneriate, Inovare, Horizon 2020).</p> <p>Member of the Management Committee of the COST MP 1407 Action e-MINDS Electrochemical Processing Methodologies and Corrosion Protection for Device and System Miniaturization 2015-2018 http://www.e-minds.ch/the-project/organisation/management-committee/</p>
Organisational skills and competences	<ul style="list-style-type: none"> ▪ Ability to make quick decisions and crisis management skills; ▪ Capacity to work with deadlines; teamwork capacity, can be both leader and member of the team (this skill is supported by over 40 research projects in which I was involved as a team member); ▪ Ability to adapt to multicultural environments, gained through the exchange of ideas at conferences that I attended ▪ Guidance for several groups of students to conduct research work and presenting the results at the Student's scientific communication sessions at ▪ Member of several Scientific and Organizing Committees for international conferences (RICCCE, RSE-2);
Managerial skills	<p>Member of the Council of the Faculty of Chemical Engineering and Biotechnologies since 2012 http://www.chimie.upb.ro/administratie/consiliu-profesoral</p>
Technical skills and competences	<p>Working in electrochemistry and corrosion fields of research and laboratory requires mastery of knowledge and skills in electrical circuits, use of electrical measuring devices, use of potentiostat/galvanostat of different types</p>
Computer skills and competences	<p>Very good knowledge of software packages MsOffice, ZView, ChemWin, Adobe, Origin, etc., internet, email (Outlook, Pegasus Mail, WebMail, Zimbra)</p>
Other skills and competences	<p>Hobbies: swimming, reading, movies</p>
Driving licence	<p>Driving licence, B, since 1992</p>

Additional information	<p>Member of professional societies:</p> <ul style="list-style-type: none"> European Association for Chemical and Molecular Sciences – EuChemMS <ul style="list-style-type: none"> o International Society of Electrochemistry – ISE o European Association for Chemical and Molecular Sciences – EuChemMS o Romanian Society of Chemistry – SChR o Romanian Society of Chemical Engineering o Romanian Association of Applied Electrochemistry <p>Member of the Scientific Committee and referee for different scientific journals:</p> <ul style="list-style-type: none"> o Journal of Applied Electrochemistry o Journal of Solid State Electrochemistry o Current Pharmaceutical Analysis o Industrial and Engineering Chemistry Research o Arabian Journal of Chemistry o Recent Patents on Corrosion Science o Revista de Chimie o Journal of Optoelectronics and Advanced Materials o Optoelectronics and Advanced Materials – Rapid Communications o UPB-Scientific Bulletin o Materials MDPI o Coatings MDPI o Processes MDPI o Applied Sciences MDPI o Sensors MDPI <ul style="list-style-type: none"> - 2012 Member of the Organizing Committee of the International Conference <i>Third Regional Symp. on Electrochemistry: South-East Europe, RSE-SEE 3, May 13-17, 2012, Bucharest, Romania</i> - 2013 Member of the Organizing Committee of the International Conference <i>“The 18th Romanian International Conference on Chemistry and Chemical Engineering –RICCCE 18, 4-7 Septembrie 2013, Sinaia, România”</i> - 2015 Member of the Organizing Committee of the International Conference <i>“The 19th Romanian International Conference on Chemistry and Chemical Engineering –RICCCE 19, Septembrie 2015, România”</i> - 2016 Member of the Organizing Committee of the International Conference <i>SICHEM 2016, 8-9 Septembrie Bucharest, Romania</i> - 2017 Member of the Organizing Committee of the International Conference <i>“The 20th Romanian International Conference on Chemistry and Chemical Engineering –RICCCE 20, Septembrie 2017, Romania”</i> - 2018 Member of the Organizing Committee of the International Conference <i>SICHEM 2018, 6-7 Septembrie București, Romania</i> - 2019 Member of the Organizing Committee of the International Conference <i>“The 21st Romanian International Conference on Chemistry and Chemical Engineering –RICCCE 20, Septembrie 2019, Romania”</i> - 2020 Member of the Organizing Committee of the International Conference <i>SICHEM 2020 editie on-line, 17-18 Septembrie București, Romania</i>
Research interests	<p>Electrochemistry in aqueous and ionic liquid media, Electrodeposition of metals and metal alloys from aqueous and ionic liquid media, Corrosion, Corrosion protection, Green corrosion inhibitors, Conducting polymers electrochemical deposition</p>
Honors and Awards	<ul style="list-style-type: none"> o 2011 The prize for the most cited paper awarded by Revista de Chimie for the paper Electrochemical impedance studies of titanium and steel in biological media, authors R.Popescu, A.Cojocaru, A.C.Manea, Revista de Chimie (Bucuresti), 58, 6, 2007, 507-514 o 2018 Honorary diploma of the Romanian Chemical Society for contribution to the activities of promoting chemistry o 2020 The prize for the most cited paper in the period 2009-2019 awarded by Revista de Chimie for the paper D A.-M.Popescu, V.Constantin, A.Cojocaru, M.Olteanu, Electrochemical behaviour of Copper (II) chloride in choline chloride-urea deep eutectic solvent, <i>Revista de Chimie</i>, 62(2), pp. 206-211, 2011 o Awarding UEFISCDI research results PN-III-P1-1.1-PRECISI-2021-59901, PN-II-RU-PRECISI-2015-9-9882, PRECISI-2016-15931-1, PRECISI-2019-49983

Publications

- ◆ 1 PhD thesis
- ◆ 63 paper published, 40 in ISI / BDI indexed journals, 1 in international journals, 17 in CNCSIS journals and 5 in national scientific journals
- ◆ 106 publications in national/ international conference proceedings, 1 in care of ISI / BDI indexed international events, 103 at recognized international events and 2 at national scientific events
- ◆ 8 specialized books published in recognized publishing houses and 3 collections / guidance published in publishing houses with ISBN, 4 chapters published in collective volumes
- ◆ 2 patents (one granted, one in evaluation)
- ◆ 3 national / international research contracts as director / manager and 28 European, international bilateral contracts, POSDRU, CNCSIS; CEEX, PNII (as a member of the research team)
- ◆ 8 research contracts with third parties as a member of the research team
- ◆ Hirsch Index 13, (ISI Web of Science, May 2021).

Prof. Anca Cojocaru