

PERSONAL INFORMATION

CĂRLESCU Petru Marian



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Sex male | Date of birth 01/08/1972 | Nationality Roumanian

JOB APPLIED FOR
 POSITION
 PREFERRED JOB
 STUDIES APPLIED FOR
 PERSONAL STATEMENT

Professor

WORK EXPERIENCE

- 02.2017 - present Associate Professor
 "Ion Ionescu de la Brad" University of Life Science (IULS) Iași
 Teaching disciplines: Unit operation in food engineering, Processes and technological operations in the food industry, Machine design in the food industry, Computer Aided Graphics, Packaging and design in the food industry, Electrical engineering.
 Business or sector education and research
- 2007 - 2017 Lecturer
 Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine Iași
 Teaching disciplines: Machinery and equipment in food engineering, Unit operation in food engineering, Computer aided design, Electrotechnics, Electrical engineering
 Business or sector education and research
- 2007 - 2008 Research scientist
 Pastorfrigor S.p.A, Italy
 Research activity, member in research team
 Business or sector research
- 01.2005 – 02.2007 Postdoctoral researcher
 Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi
 Research activities, member in research team
 Business or sector research
- 02.1999 – 09.2002 Research scientist
 Hochschule fur Technik und Wirtschaft des Saarlandes, Saarbrucken, Institut fur Mechanik; INA-Lineartechnik, Homburg, Germany
 Research activities
 Business or sector research
- 08.1996 – 09.1998 Mechanical engineer
 Comtom S.A. Iasi
 Business or sector production

EDUCATION AND TRAINING

- 11.1997 – 11.2003 PhD EQF =8
 Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi
 ▪ Domain: Mechanical engineering



- 10.1997 – 06.1998
MSc
Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi
▪ Domain: Refrigeration engineering
EQF =8
- 10.1996 – 06.1997
MSc
Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi
▪ Domain: Rheology and tribology
EQF =8
- 10.1991 – 06.1996
BSc
Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi
▪ Domain: Food processing equipment and machinery
EQF =7
- 1987 – 1991
Bachelor Degree
"Henry Coandă" High School Bacau
EQF =3

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Replace with name of language certificate. Enter level if known.					
German/French	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- team spirit gained through research
- adaptability to different social and cultural media, gained through collaboration with various institutions from country and abroad good communication skills gained through the experience as teacher

Organisational / managerial skills

- managerial experience through the positions of Director with quality assurance USV, Iași; Head of the Department of Food Technologies the Faculty of Agriculture; Vice-dean with didactic activity the Faculty of Agriculture from USV, Iași
- good experience of project management gained through research programmes as project responsible and member in research team

Job-related skills

Advanced knowledge gained in the fields:

- design, modelation and simulation of industrial equipments (CAD, FED, CFD, DEM, FDS)
- heat and cold engineering
- tribology / reology



Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Experienced user	Experienced user	Experienced user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
 Digital competences - Self-assessment grid

- good command of office suite (word processor, spread sheet, presentation software)
- good command of numerical processing simulation in CFD, FEM, DEM, FDS

RESEARCH DEVELOPMENT PROJECTS

- Director/Responsible
1. PN-III PED nr. 378/2020 - *Dezvoltarea unui model inovativ de uscător hibrid prin curenți de înaltă frecvență și convecție pentru deshidratarea semințelor agricole*. Valoare contract – 600.000 lei (123.092 EURO). Perioada derulare: 2020-2022. Realizare uscător, lucrări cotate ISI, brevet de invenție.
 2. PN-III-P2-2.1-PED-2016-1357 CONTRACT NR. 18 PED/2017 - *Dezvoltarea unui nou model inovativ de uscător vertical cu recuperare de căldură pentru deshidratarea semințelor de cereale*. Valoare contract – 590.000 lei (130.416 EURO). Perioada derulare: 2017-2018. Realizare uscător, lucrări cotate ISI, brevet de invenție.
 3. PN-II-PCCA TIP II CONTRACT Nr. 158/2014 - *Tehnologii și echipamente inovative pentru implementarea în agricultura irigată a conceptului modern de fertirigație (FERTIRIG)*. Coordonator de proiect Institutul de Cercetări pentru Hidraulică și Pneumatică-IHP. Valoare contract – 144.750 lei (33.014 EURO). Perioada derulare: 2014-2016. Realizare instalație fertirigare, lucrări ISI Proceedings.
 4. PN III – RU- MOBILITATE PENTRU CERCETĂTORI PN-III-P1-1.1-MC-2018-3003 - Finanțarea de către UEFISCDI și execuția de către contractor a proiectului de mobilitate. Valoare contract – 8.697,00 lei (1.868,92 EURO). Perioada derulare: 2018. Mobilitate la Institutul *UNITE DE DYNAMIQUE ET STRUCTURE DES MATERIAUX MOLECULAIRES, Franța*

Member 8

MEMBERSHIP TO SCIENTIFIC ORGANIZATIONS

International Commission of Agricultural and Biosystems Engineering (CIGR) 2017
 European Society of Agricultural Engineers (EurAgEng) 2017;
 Asociația Română de Tensometrie (ARTENS) 2007;
 Asociația Specialiștilor de Industrie Alimentară din România (ASIAR) 2020;
 Societatea Română de Matematică Aplicată și Industrială (ROMAI) 2008;
 Societatea Inginerilor Mecanici Agricoli din România (SIMAR) 2010

SPECIALIZATIONS

- 2000, 2001, 2007, 2018, 2021 Participation at courses FLUENT – GAMBIT Germany, ANSYS FLUENT Romania
- 2009 Participation at international courses European Hygienic Engineering Design Group (EHEDG)

January, 2024

