

PERSONAL INFORMATION

CÂRLESCU Petru Marian



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WORK EXPERIENCE

2017-present **Associate Professor**

"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

02.2007 - 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**

Faculty of Mechanical Engineering, Technical University "Gheorghe Asachi" from Iasi

  - Domain: Mechanical engineering

EQF =8
- 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: Friction in bearings

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

- good experience in organising projects for students
- 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 mass transfer
  - 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

SPECIALIZATIONS

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

24.02, 2022

