



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **CARMEN OTILIA MOLNAR**
Address(es) Oradea, Romania
Nationality Romanian

Work experience

Dates	October 2006 – present
Name and address of employer	University of Oradea, 1 Universităţii Str., Oradea
Main activities and responsibilities	Education
Occupation or position held	Associate Professor
Type of business or sector	I extended a lot my activities and responsibilities in the teaching field with courses, seminars, laboratory hours. In the scientific and research field, my activity is dedicated to the solving of some problems within research contracts, materialized through the publication of articles, scientific papers in national and international conferences, as well as through the editing of courses/ books.
Dates	March 2002 – September 2006
Name and address of employer	University of Oradea, 1 Universităţii Str., Oradea
Main activities and responsibilities	Education
Occupation or position held	Lecturer
Type of business or sector	I extended a lot my activities and responsibilities so that to my previous preoccupations in the teaching field were added also courses in the subject matters: Electrical Engineering and Special Subjects on Electrical Engineering, presented both to the students of the long-term education form and to those of the short-term education form (college). My professional activity culminated with the obtaining of the Eng.D. title in the year 2004.
Dates	October 1999 – February 2002
Name and address of employer	University of Oradea, 1 Universităţii Str., Oradea
Main activities and responsibilities	Education
Occupation or position held	Assistant Lecturer
Type of business or sector	The main activities and responsibilities have remained the same as in the previous period.
Dates	October 1996 – September 1999
Name and address of employer	University of Oradea, 1 Universităţii Str., Oradea
Main activities and responsibilities	Education
Occupation or position held	Tutor
Type of business or sector	My teaching activity along these years consisted in preparing some laboratory papers and seminars for the students of the Faculty of Electrical Engineering and Information Technology in Oradea. My scientific and research activity was dedicated to the solving of some problems within research contracts, materialized through the publication of articles, scientific papers in national and international conferences, as well as through the editing of courses/ books.
Dates	September 1990 – August 1991
Name and address of employer	Industrial High School "Sinteza", Oradea
Main activities and responsibilities	Education
Occupation or position held	Laboratory assistant

Type of business or sector Preparation of teaching and experimental material necessary for chemistry classes; Administration of the chemistry laboratories of the High School

Education and training

Dates November 1997 – July 2004

Title of qualification awarded Eng.D. Diploma in Electrical Engineering

Principal subjects/occupational skills covered Electrical Engineering

Name and type of organisation providing education and training University of Oradea, Education

Dates September 1996 – July 1997

Title of qualification awarded Postgraduate Diploma

Principal subjects/occupational skills covered Profile: Electromechanical, Specialization: Modern technologies using equipment in the domain of inductive heating and microwaves

Name and type of organisation providing education and training University of Oradea, Faculty of Electrical Engineering and Computer Science Education

Dates September 1991 – July 1996

Title of qualification awarded Engineer (University Diploma)

Principal subjects/occupational skills covered Profile: Electrical, Specialization: General Electrical Engineering

Name and type of organisation providing education and training University of Oradea, Faculty of Electrical Engineering and Computer Science Education

Dates 1985 - 1989

Title of qualification awarded High School Diploma

Principal subjects/occupational skills covered Industrial Chemistry

Name and type of organisation providing education and training Industrial High School "SINTEZA" Oradea Education

Personal skills and competences

Theoretical electrical engineering (electromagnetic field and electrical circuits).
Electrical machines.
Numerical modelling and simulations in electrical engineering.
Inductive heating.
Microwave technique.
Heating in microwave field: Electrothermal installations with microwaves.

Mother tongue(s)

Romanian

Other language(s)

	French	English	Hungarian
• read	good	good	-
• writing	good	satisfactory	-
• spoken	satisfactory	satisfactory	satisfactory

Social skills and competences

Teamwork, Leadership, Empathy, are some of my social skills and competences.

Organisational skills and competences

Leading of working and projection teams.
Member in The General Association of Engineers in Romania (AGIR);
Member in The European Microwave Association (EUMA);
Member in The Association of Electrical and Electronics Engineers in Romania (AIEER);
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2020;
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2019;
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2017;
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2015;
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2013;
Reviewer of papers for the magazine "Journal of Electrical and Electronics Engineering" – 2009;
Member of the editorial staff of the magazine "Journal of Electrical and Electronics Engineering" – 2009;
Member in the organization and editing committee of the Annals of the University of Oradea, Category Electrical Engineering, section Electrical Engineering, 2008;
Member in the organization committee of the Symposium "The 8th International Conference on ENGINEERING of MODERN ELECTRICAL SYSTEMS", Oradea, Romania (2005);
Member in the organization and editing committee of the Annals of the University of Oradea, Category Electrical Engineering, section Electrical Engineering, 2005;
Member in the committees of elaboration of reports of self-evaluation and accreditation of some specializations:
Self-evaluation report, specialization General Electrical Engineering (2004)
Self-evaluation report, specialization Electromechanics (2005)
Self-evaluation report, specialization Instrumentation and Data Acquiring (2006)
Institutional evaluation report of quality, ARACIS, specialization Electrical Systems, 2007
Institutional evaluation report of quality, ARACIS – MASTER, specialization Computer techniques in electrical engineering, 2008
Institutional evaluation report of quality, ARACIS – BACHELOR, specialization Electromechanics, branch Beiuș, 2009

Computer skills and competences

Windows XP, Windows 10
MS Office (Word, Excel, PowerPoint),
ANSIS, Ansoft – HFSS, Matlab, PSpice and many other software specific for electrical engineering.

Driving licence

Class B

Additional information

The most important scientific results were obtained in the domain of theoretical electrical engineering, heating in the domain of high frequencies – microwaves and induction. Part of my research activity was reported in works elaborated and presented at different national and international conferences. To remark are a number of **116** scientific papers. Also in this period, I have published **15** books, **4** of them as single author (*The Theory of the Electromagnetic Field*, University of Oradea Publishing House, 2005; *Numerical modelling of the electromagnetic field in electrothermal installations with microwaves*, University of Oradea Publishing House, 2006; *Electrical transformer. Construction, theory, projection*, University of Oradea Publishing House, 2010; *Electrical machines. Laboratory guide*, Oradea, 2010).
Another direction of my scientific research activity was dedicated to the solving of problems in some **research contracts** of the department. Thus, I collaborated in **12** research contracts, financed by the Ministry of Education and Research.
The training and improvement stages that I carried out within some European projects had an important contribution in my improvement as a teacher:
» **The SOCRATES Project**, in the interval 1th of March 1999 – 30th of June 1999, where I participated at a training stage in the domain of microwave heating, at the MIDIVAL laboratories of I.N.P. Toulouse – France.
» **The TEMPUS Project**, "Centre de formation continue en techniques d'informatique appliquee dans l'administration publique et entreprises industrielles" where I made two mobilities, for one month each, in the intervals 1st of May 2000 – 1st of June 2000 and 1st of May 2001 – 1st of June 2001, at the University of Gent, Belgium.
Under the direct guidance of the chief of the department, I take part at all the activities of the department.
» From November 2021 until now, I am the Director of the CENTER FOR RESEARCH AND TECHNOLOGICAL ENGINEERING IN ELECTROMAGNETIC ENERGY CONVERSION, within the FACULTY OF ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY

For conformity,
Associate Prof.Dr.Eng. Carmen Otilia MOLNAR