

Curriculum vitae Europass



Personal Information

Name / First name **ȘOVA DANIELA**
E-mail sova.d@unitbv.ro

Field of activity Academic education

Work experience

Period	2001-present
Function or position	Associate professor
Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching and research activities in the field of Technical Thermodynamics • Coordination of the master program Simulation and Testing in Mechanical Engineering (2013-2017) • Coordination of the Erasmus program at the Faculty of Mechanical Engineering (2010-2021) • Scientific secretary of the Department of Thermodynamics and Fluid Mechanics (2001-2004)
Name and address of employer	Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036 Brașov, https://www.unitbv.ro/contact/comunitatea-unitbv/2974-sova-daniela.html , Faculty of Mechanical Engineering /Department of Mechanical Engineering
Type of activity or sector of activity	Higher education
Period	1998-2001
Function or position	Lecturer
Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching and research activities in the field of Technical Thermodynamics
Name and address of employer	Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036 Brașov, https://www.unitbv.ro/contact/comunitatea-unitbv/2974-sova-daniela.html , Faculty of Mechanical Engineering /Department of Mechanical Engineering
Type of activity or sector of activity	Higher education
Period	1991-1998
Function or position	Assistant professor
Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching and research activities in the field of Technical Thermodynamics
Name and address of employer	Transilvania University of Brașov, B-dul Eroilor nr. 29, 500036 Brașov, https://www.unitbv.ro/contact/comunitatea-unitbv/2974-sova-daniela.html , Faculty of Mechanical Engineering/Department of Thermodynamics and Fluid Mechanics
Type of activity or sector of activity	Higher education
Period	1990-1991
Function or position	Technological engineer
Main activities and responsibilities	<ul style="list-style-type: none"> • Coordination of primary wood processing activities
Name and address of employer	Măgura furniture factory, str. Fabricii nr.11, Codlea, Brașov
Type of activity or sector of activity	Industry

Period	1987-1990
Function or position	Technological engineer
Main activities and responsibilities	<ul style="list-style-type: none"> • Coordination of technological and dispatching activities • Lecturer of refresher and training courses in the field of wood processing
Name and address of employer	S.C.MOBEX S.A., str. Căprioarei nr. 2, Târgu Mureș
Type of activity or sector of activity	Industry

Education and training

2024	Habilitation thesis
Qualification / diploma	Certificate of habilitation in the field of doctoral studies in Mechanical Engineering
Main disciplines studied / professional skills acquired	Research in the fields of convective drying and wood biomass
Name and type of educational institution / training provider	Transilvania University of Brașov
26-30.08.2013	Specialization: Teacher Training in English for Vocational Purposes
Qualification / diploma	Graduation diploma
Main disciplines studied / professional skills acquired	<ul style="list-style-type: none"> • English for Specific Purposes (ESP), Language of ESP, Analysing ESP learners, Developing authentic tasks, Presenting language in ESP, Content and language teaching framework in ESP
Name and type of educational institution / training provider	British Council Bucharest
2013	Specialization: English language Medium level 1 and Medium level 2
Qualification / diploma	Certificate of linguistic proficiency
Main disciplines studied / professional skills acquired	<ul style="list-style-type: none"> • Grammar and vocabulary, Writing, Listening, Understanding
Name and type of educational institution / training provider	Transilvania University of Brașov, Centre for Modern Languages Learning
8-18.06.2009	Specialization: Advanced courses in wood drying
Qualification / diploma	Graduation diploma
Main disciplines studied / professional skills acquired	<ul style="list-style-type: none"> • Quality monitoring and control, kiln performance optimization including airflow analysis, grade optimization, development of modified and customized drying schedules for specific species and end-user applications, control strategies
Name and type of educational institution / training provider	Centre for Advanced Wood Processing, Forest Sciences Centre, University of British Columbia, Vancouver, Canada
8-15.06.2007	Postgraduate course: Interactive methods for teaching-learning-evaluation process
Qualification / diploma	Graduation diploma
Main disciplines studied / professional skills acquired	<ul style="list-style-type: none"> • Competencies in learning, teaching and evaluation • Techniques of communication, problem-based learning, project-based learning, development of final paper
Name and type of educational institution / training provider	Transilvania University of Brașov

4-10.06.2006	Specialization: Customized training in thermal, hydraulic and transport energy management for companies needs
Qualification / diploma	Participation diploma
Main disciplines studied / professional skills acquired	<ul style="list-style-type: none"> • Critical analysis and decision on training system structure, ability to elaborate curricula according to different difficulty degree and companies demands, management of training meetings • German long life learning system and education system, German research system and networking with academic system
Name and type of educational institution / training provider	Forschungs- und Transferzentrum e.V an der Westsaechsische Hochschule, Zwickau, Germania
1991-1999	Doctoral studies (EQF8)
Qualification / diploma	Doctor's degree diploma in Technical Sciences, specialization: Thermal Machines and Equipment
Main disciplines studied / professional skills acquired	Contributions to the heat and mass transfer during thermal treatments of fiberboards
Name and type of educational institution / training provider	Transilvania University of Braşov
1982-1987	University studies (EQF6)
Qualification / diploma	Engineer diploma (diploma of merit)
Main disciplines studied / professional skills acquired	Wood engineering specific courses
Name and type of educational institution / training provider	Transilvania University of Braşov / Faculty of Wood Industry
1978-1982	High school studies (EQF4)
Qualification / diploma	Baccalaureate diploma
Name and type of educational institution / training provider	"Dr. Ioan Meşotă" high school, Braşov

Personal skills and competencies

Mother tongue **Romanian**

Other language(s)

Self-evaluation

European level (*)

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	English	B2	English	B2	English	B2	English	B2	English
B2	German	B2	German	B2	German	B2	German	B2	German

(*) Common European Framework of Reference for Languages Level

Social competencies and skills	<ul style="list-style-type: none"> • communication skills acquired within the teaching process, presentations of scientific papers at national and international scientific conferences and sessions, and mobilities carried out at universities in the EU and outside the EU • communication and collaboration skills acquired as scientific secretary of the Department of Thermodynamics and Fluid Mechanics (2001-2004) • communication skills acquired as Erasmus coordinator at the Faculty of Mechanical Engineering (2010-2021) • communication and cooperation skills acquired as a coordinator or member of research teams (projects or scientific papers) • communication skills demonstrated within Erasmus teaching and training mobilities (I recall here teaching mobilities at Katholieke Universiteit Leuven, Belgium (2003), Brandenburgische Technische Universität Cottbus, Germany (2013), Mytisch Branch of "Bauman Moscow State Technical University", Russia (2017), Western University of Ontario, Canada (2019)) • ability to adapt to different cultural environments
Organizational competencies and skills	<ul style="list-style-type: none"> • organizational skills acquired as a coordinator of a research project • organizational skills acquired as a member of the organizing team of the National Conference in Thermodynamics (7th and 17th editions, Braşov, May 23 - 24, 1997 and May 21 - 22, 2009) • organizational skills as coordinator of the master's degree program "Simulation and Testing in Mechanical Engineering" during the period 2012-2018 • skills in structuring work tasks and managing time to complete tasks
Technical competencies and skills	<ul style="list-style-type: none"> • technical skills acquired in research carried out within research projects, as a project director or team member, and in the design of experiments within the framework of scientific work, respectively • analytical capacity in understanding the mathematical foundation underlying thermal phenomena
Computer competencies and skills	<ul style="list-style-type: none"> • competencies in the following computer programs: Microsoft office tools, Originlab, Coolpack, EES, Matlab, Modde, Torksim, Design-Expert
Other competencies and skills	<ul style="list-style-type: none"> • logistical skills acquired as a long-term Expert in the project "Quality Assurance in Internationalized Master's Education: Development of the National Framework for Compatibility with the European Higher Education Area" (ASIGMA) co-financed by the European Social Fund through the Sectoral Operational Program of Human Resources Development (2007-2013) • coordination competencies of the master program "Simulation and Testing in Mechanical Engineering"
Additional information	
Research and development projects as project director and grants	<ul style="list-style-type: none"> • Director of the project PN II-ID-PCE no. 723/2009: "Application of the thermodynamics method of irreversible processes to the optimization of the drying process of capillary-porous materials" (2009-2010), funder: CNCSIS, value: 215,978 lei
Information about awards or other elements of recognition of the candidate's scientific contributions	<ul style="list-style-type: none"> • Special Award from the State Office for Inventions and Trademarks (OSIM) for the work "Innovative thermal insulation panels based on thermal conductivity of air" (INTHERA), authors: Elena Belea, Vlad Vasile Bidu, Sergiu Valeriu Georgescu, Daniela Şova, Mariana Domnica Stanciu (International Exhibition of Student Innovation and Scientific Research "Cadet-Inova 2018" Sibiu April 19-21, 2018)

Membership in professional and scientific associations	<ul style="list-style-type: none"> • Member of the Romanian Society of Thermodynamics Professionals (SRT) • Member of the Romanian Society of Theoretical and Applied Mechanics (SRMTA) • Member of the scientific committee of the National Conference of Thermodynamics, International Conferences COMAT (International Conference on Advanced Composite Materials Engineering), COMEC (International Conference on Computational Mechanics and Virtual Engineering) and ICWSE (International Conference of Wood Science and Engineering)
Summary of main achievements	<ul style="list-style-type: none"> • Doctoral thesis: "Contributions to the heat and mass transfer during thermal treatments of fiberboards ", coordinator: Prof. dr. eng. Nicolae Veştemeanu • Number of books/textbooks published in national publishing houses: 4, of which one in English • Number of chapters of books/textbooks published in national publishing houses: 3 • Number of problem and laboratory textbooks: 3 • Number of ISI indexed papers: 14 papers in ISI journals and 2 papers in ISI proceedings • Number of IDB indexed papers: 17 • Number of papers in national and international conference volumes: 65, of which 47 at international conferences and 18 at national conferences • Number of patents: 1