

EUROPEAN  
FORMAT  
CURRICULUM  
VITAE



PERSONAL DETAILS

Surname and first name

Address

Phone no.

Fax

E-mail

Citizenship

**Mariana Domnica STANCIU**

29 Eroilor Str., Braşov, Romania

0268/411114

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mariana.stanciu@unitbv.ro

Romanian

PROFESSIONAL  
EXPERIENCE

- Period
- Denomination and address of the employer
- Activity type or activity field
  - Position or title
  - Main activities and responsibilities

**2023 - PRESENT**

"Transilvania" University of Brasov,  
Department of Mechanical Engineering  
Higher Education

**Professor Dr. hab. eng.**

Teaching, scientific research on Strength of materials, rheology of wood and lignocellulosic materials, rheology of building materials, composites

- Period
- Denomination and address of the employer
- Activity type or activity field
  - Position or title
  - Main activities and responsibilities

**2019 - 2023**

"Transilvania" University of Brasov,  
Department of Mechanical Engineering  
Higher Education

**Assoc. Professor. Dr. eng.**

Teaching, scientific research on Strength of materials, rheology of wood and lignocellulosic materials, rheology of building materials, composites

- Period
- Denomination and address of the employer
- Activity type or activity field
  - Position or title
  - Main activities and responsibilities

**2012-2019**

"Transilvania" University of Brasov,  
Department of Mechanical Engineering  
Higher Education

**lecturer dr. eng.**

Teaching, scientific research on Strength of materials, rheology of wood and lignocellulosic materials, rheology of building materials, composites, calculus of wood structures

- Period
- Denomination and address of the employer
- Activity type or activity field
  - Position or title
  - Main activities and responsibilities

**2011-2013**

"Transilvania" University of Brasov,  
Department of High-Tech Product for Automotive  
Scientific research

**PhD – researcher (postdoctoral student)**

Research of materials and structure with application in sound barriers for urban road and highway (absorption coefficient, natural frequencies, transmission loss, composite materials behaviour to aggressive medium (snow, rain, UV, mixt exposure, biological agents), design and biocomposite).

## EDUCATION AND TRAINING

- Period
- Denomination and type of academic institution and of professional organization responsible for the professional training
- Studied field/occupational skills
- Qualification type/Diploma obtained

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- Denomination and type of academic institution and of

### 2022

PhD supervisor in Mechanical Engineering  
Habilitation certificate in the field of mechanical engineering,  
OM. 4197/05.07.2022

The title of the habilitation thesis: *The mechanical behavior of Helmholtz-type lignocellulosic complex structures*  
Research and education

Habilitation Certificate in Mechanical Engineering

### 01 – 09 December 2019

Mytisch Branch of Bauman Moscow State Technical University, Russia  
Faculty of Forestry, Forest Harvesting, Wood Processing Technologies and Landscape Architecture

- to acquire and share expertise and experience by interacting with staff and students from the partner country,
- to exchange good practices in academic organization, internationalization strategies and culture of Bauman Moscow State Technical University which is a prestigious university.
- encounter a traditional, but developed educational system and thus will be able to improve its academic skills, to develop the professional relationships, to inform about the procedures of students and staff mobility in the frame of the Erasmus+ program and to exchange cultural values.

Education

Certificate of Attendance Erasmus+ Training Staff Exchanges

### 12 May 2017

**Transilvania University of Braşov**

**Faculty of Psychology and Education Sciences**

Academic success: student perspective vs. teacher perspective;  
Stress in the academic environment - sources, consequences for the student, management modalities;  
Teacher expectations and confirmation in the student relationship;  
The successful student - academic adaptation and academic success.

Education

Certificate: Developing the academic skills of the teachers - conditions of the academic success

### 4-6 Aprile 2016

**Transilvania University of Braşov**

**Faculty of Psychology and Education Sciences**

Adaptation of 1st year students to academic requirements;  
Strategies for developing the course support and materials for students;  
Optimizing learning strategies for students

Education

Certificate: Development of teaching skills evaluation of young teachers

### 2010 (13-18 September 2010), Slovenia - Ljubljana

**EAA European Acoustics Association** – Summer School

Soundscape course

professional organization responsible for the professional training • Studied field/occupational skills • Qualification type/Diploma obtained	Building acoustics course Numerical acoustics course  Research  Certificate with 2ECTS credit points
• Period • Denomination and type of academic institution and of professional organization responsible for the professional training • Studied field/occupational skills • Qualification type/Diploma obtained • Classification level of the training / education form	<b>2006-2009</b> “Transilvania” University of Brasov, Faculty of Mechanical Engineering  Engineering sciences  Doctor engineer  <i>PhD thesis: RESEARCHES CONCERNING OPTIMIZATION OF PLATES SHAPE AND STRUCTURE FROM LIGNOCELLULOSES COMPOSITES UNDER CYCLIC STRESSES, WITH APPLICATION ON MUSICAL INSTRUMENTS - classical guitar</i>
• Period • Denomination and type of academic institution and of professional organization responsible for the professional training • Studied field/occupational skills • Qualification type/Diploma obtained • Classification level of the training / education form	<b>2006-2008</b> “Transilvania” University of Brasov, Faculty of Mechanical Engineering  Engineering sciences  Master  Master in Dynamical of Mechanical Structures
• Period • Denomination and type of academic institution and of professional organization responsible for the professional training • Studied field/occupational skills • Qualification type/Diploma obtained • Classification level of the training / education form	<b>2001-2006</b>  “Transilvania” University of Brasov, Faculty of Wood Industry  Engineering  Engineer Diploma, valedictorian  Long-term University Studies
<b>NATIVE LANGUAGE</b>	Romanian
<b>FOREIGN LANGUAGES KNOWN</b>	
• Reading • Writing • Speaking	<b>English</b> Very good good good
• Reading • Writing • Speaking	<b>Russian</b> satisfactory satisfactory satisfactory

## PROFESSIONAL SKILLS

Research skills,

- leadership (leader) of the working teams within the coordinated projects or the working stages of the projects as a member of the research team;
- good experience of the project management as project manager for the Young Doctoral students CNCSIS type TD 182/2007, as well as in other projects depending on the tasks received within the different activities;
- organizational spirit (experience in logistics) as a TL expert in projects funded from European funds by organizing work sessions, seminars, trainings, national and international conferences;
- skills in planning activities; - organizer and leader of working sessions and talks with parents (as a teacher)
- skills of analysis and synthesis;
- Skills in applying and observing the rules;
- a good organizer of the information system, of the necessary contacts (working meetings, conferences);
- ability to correctly manage the time to perform a task.
- Initiative;

-practical spirit; kindness; activism; motivation

- the desire to be informed; the desire to help others;

**2022 – 2024** Principal Investigator PN-III-P4-PCE-2021-0885, contract PCE 61/2022 ACADIA (budget: 240,000 euro); <https://acadia.unitbv.ro>

**2020 – 2022** Principal Investigator PN-III-P2-2.1-PED-2019-2148 contract no. PED568/2020 MINOVIS (budget: 120,000 euro); <http://minovis.unitbv.ro>

**2016 – 2018** Principal Investigator PN-III-P2-2.1-BG-2016-0017, contract no. BG85/2016 SINOPTIC (budget 80,000 euro);

**2014 – 2017** – researcher in a project team PN-II-PT-PCCA-2013-4-0656, nr. 59/01.07.2014 (STHEMOWTB).

**2010 – 2013** Postdoctoral researcher within the POSDRU project, Postdoctoral scholarships for sustainable development POSTDOC-DD, ID59323- Transilvania University of Brasov, title Research on the optimization of functional structures from advanced materials used in the absorption and absorption of urban noise due to road flows

**2007-2009** Director of *Young Research Project TD -182*, financed by the Romanian Ministry of Education and Research and CNCSIS

**2007-2008** *Scholarship for young PhD students*

**2006-2009** researcher in project: *Management System by Noninvasive Methods for Mechanical – Physic Features, for Fiability and Weathering of Composite Materials, Embedded Technologies for Monitoring in Operation; Applications of Lignocelluloses Composites, of Light structures in Composite Materials, of Nano-structured Composite – RoLight (in partnership with National Institute of Research and development for Technical Physics of Iasi)*

**2006-2009** researcher in project: *Innovative System of Composite Sandwich Panels-Mogapan with Honeycomb Structure Destined to Taking over and Noise Absorption of Urban Traffic – SIPSCAS (in partnership with Research Institute for Construction, Equipment and Technology – ICECON Bucuresti)*

**2006 – 2009** researcher in project: *Research on the Performance of Composite Materials in order to Increase the resistance of the modular mechanical structures used for road protection - ELMOSTPRO(in partnership with Research Institute for Construction, Equipment and Technology – ICECON Bucuresti)*

## RECOGNITION

- member of the Romanian Engineers Association (AGIR),
- member of the Romanian Society of Rheology (SRR),
- member of the Romanian Society of Technical and Applied Mechanics (SRMTA)
- Full member of the Academy of Natural Sciences of the Russian Federation, (RANS)
- member of the Acoustics Society of Europe (EAA)
- SIAR member
- member of the scientific committee of the conferences: INTER-ENG, Interdisciplinarity in Engineering International Conference, Tg. Mures, Univ. Petru Maior, International Conference on Advanced Concepts in

OTHER SKILLS AND  
COMPETENCES

Mechanical Engineering - ACME, organized by Mechanical Engineering Faculty, at the "Gheorghe Asachi" Technical University of Iasi, Romania;  
"The International Student Innovation and Scientific Research Exhibition – Cadet Inova", "Nicolae Bălcescu" Land Forces Academy, Romania  
- peer - review in journals: Polymers, Proligno, Journal of Polymers and the Environment, Applied Acoustics, Materials – Polymers

**List of the representative published articles and scientific papers includes over 100 issues, as follows:**

**- articles and paper in ISI Proceedings and Journals of Thomson Scientific-Institute for Scientific Information 30**

- in the interest domain: 44 (in wood domain) and more than 100 in all studied fields (wood, composites, metal structures)

- h index: 11 (in WOS); 12 (Scopus), 17 (in Google scholar)

<https://www.scopus.com/authid/detail.uri?authorId=36624308200>

<https://orcid.org/0000-0001-6414-9427>

<https://publons.com/researcher/1725304/mariana-domnica-stanciu/>

<https://scholar.google.ro/citations?user=UtUvfgwAAAAJ&hl=ro>

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Yes

01.01.2025

Signature

Prof. hab. dr. eng. Mariana Domnica STANCIU