

**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 int. 134

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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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2022

PhD supervisor

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

01 – 09 December 2019

Mytischki 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

Building acoustics course

- responsible for the professional training
- Studied field/occupational skills
- Qualification type/Diploma obtained

Numerical acoustics course
 Research
 Certificate with 2ECTS credit points

- Period
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- Studied field/occupational skills
- Qualification type/Diploma obtained
- Classification level of the training / education form

2006-2009
 "Transilvania" University of Brasov,
 Faculty of Mechanical Engineering

Engineering sciences
 Doctor engineer

PhD thesis: RESEARCHES CONCERNING OPTIMIZATION OF PLATES SHAPE AND STRUCTURE FROM LIGNOCELLULOSES COMPOSITES UNDER CYCLIC STRESSES, WITH APPLICATION ON MUSICAL INSTRUMENTS - classical guitar

- Period
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- Studied field/occupational skills
- Qualification type/Diploma obtained
- Classification level of the training / education form

2006-2008
 "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

2001-2006
 "Transilvania" University of Brasov,
 Faculty of Wood Industry

Engineering
 Engineer Diploma, valedictorian
 Long-term University Studies

NATIVE LANGUAGE

Romanian

FOREIGN LANGUAGES KNOWN

- Reading
- Writing
- Speaking

English
 Very good
 good
 good

- Reading
- Writing
- Speaking

Russian
 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 Mechanical Engineering - ACME, organized by Mechanical Engineering

OTHER SKILLS AND
COMPETENCES

Faculty, at the "Gheorghe Asachi" Technical University of Iasi, Romania
- peer - review in magazines: 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: 26 (in Google scholar) and 8 (in WOS).

<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>

DRIVING LICENSE

Yes

Signature

Prof. hab. dr. eng. Mariana Domnica STANCIU