

PERSONAL INFORMATION

Maria-Violeta GUIMAN



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Sex: Female | Nationality: Romanian

OCCUPATIONAL FIELD

Academic Education

PROFESSIONAL EXPERIENCE

2025-present	University Associate Professor
2018-2025	University Lecturer
2015-2018	University Assistant Professor
2006-2015	University Junior Lecturer

Type or sector of activity

Transilvania University of Braşov, B-dul Eroilor no. 29, 500283 Braşov, Romania, www.unitbv.ro,
Faculty of Mechanical Engineering, Department of Mechanical Engineering/ Chair of Mechanics (until 2011).
Teaching activities: course, laboratory, seminar, project and scientific research activities.

EDUCATION AND TRAINING

	Ph.D. in Engineering Sciences, field of Mechanical Engineering	level 8 EQF
2012-2014	Transilvania University of Braşov, Faculty of Mechanical Engineering Competences and skills acquired in the field of scientific research	
	Master in Computational Mechanics	level 7 EQF
2005-2007	Transilvania University of Braşov, Faculty of Mechanical Engineering Advanced concepts in Mechanics, C++ programming, Dynamics of multibody systems	
	Engineer	level 6 EQF
2000-2005	Transilvania University of Braşov, Faculty of Technological Engineering Competences and skills acquired in the field of Industrial Engineering and Management, Production specialization	

Other courses/Training internships

2000 – 2005	<i>Psychopedagogical training for the teaching profession</i> Transilvania University of Braşov, Faculty of Psychology and Educational Sciences, Department for Teaching Staff Training.
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- 2004 *Parametric design with solids using Catia V5*
Transilvania University of Braşov, Foundation Center for Training and Valorization of Human Resources – CPVRU, Center for Continuing Education for Applied Informatics and Technological Development – CFCIADT
- 2007 *Simulation Techniques for Applied Dynamics*
International Center for Mechanical Sciences (CISM), Udine, Italy
- 2013 *Quality, innovation, communication in the continuous training system of higher education teachers*
POLITEHNICA University of Bucharest, Department of Training for Teaching Career and Socio-Human Sciences
- 2015 *From Innovation to Entrepreneurship*
Aristotle University of Thessaloniki, Faculty of Economic and Political Sciences, Innovation and Entrepreneurship Unit (IEU)

PERSONAL COMPETENCES

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	C1: Proficient user	C1: Proficient user	B1: Independent user	B1: Independent user	B1: Independent user
German	B1: Independent user	B1: Independent user	B1: Independent user	A1: Basic user	A1: Basic user

Communication skills ▪ good communication skills gained through personal experience as university teaching staff, experience as a participant in project teams at national level, responsible for projects with the economic environment;

Organizational skills / MANAGEMENT ▪ good organizational skills formed based on experience gained in scheduling (2013-present);
▪ organizational skills acquired through participation in the organizing committee of the department's international conferences (COMEC 2005 - 2023; COMAT 2006 - 2024);
▪ managerial skills acquired through the implementation of the Management Control System for the Mechanical Engineering Department (responsible 2019 - present)

Computer skills ▪ a good knowledge of Microsoft Office™ tools(Word, Excel, Access, Powerpoint, Adobe), internet;
▪ good knowledge of specific CAD/CAE programs (AutoCAD, CATIA, Matlab, Mathcad);

Driving license ▪ B

ANNEXES

Books and book chapters

1. S. Vlase, H. Teodorescu, L. Scutaru, V. Guiman, V. Munteanu, A. Stanciu, R. Purcarea, CINEMATICA ȘI DINAMICA. CULEGERE DE PROBLEME, Ed. Infomarket, 2009, ISBN 978-973-1747-16-3
2. Eugenia SECARĂ, Maria Violeta GUIMAN, Mihaela Violeta MUNTEANU, MECANICĂ DINAMICĂ CULEGERE DE PROBLEME, Ed. Universității Transilvania din Brașov, 2013, ISBN 978-606-19-0279-8
3. Maria Violeta GUIMAN, DINAMICA MISCĂRILOR CORPULUI UMAN CU APLICATII ÎN SPORT. CONCEPTE SI EXPERIMENT, Ed. Universității Transilvania din Brașov, 2015, ISBN 978-606-19-0668-0
4. Călin Ioan ROȘCA, Maria Violeta GUIMAN, ACUSTICĂ TEHNICĂ CONCEPTE ȘI APLICAȚII, Ed. Universității Transilvania din Brașov, 2015, ISBN 978-606-19-0689-5
5. Maria Violeta GUIMAN, ACUSTICĂ TEHNICĂ, Ed. Universității Transilvania din Brașov, 2016, ISBN 978-606-19-0838-7
6. Maria Violeta GUIMAN, Călin Ioan ROȘCA, Îndrumar de laborator- ACUSTICĂ TEHNICĂ, Ed. Universității Transilvania din Brașov, 2017, ISBN 978-606-19-0956-8
7. Sorin VLASE, Simona LACHE, Mircea MIHĂLCICĂ, Maria Violeta GUIMAN, Maria Luminița SCUTARU, Mihaela Violeta MUNTEANU, MECANICĂ Îndrumar de laborator, Ed. Universității Transilvania din Brașov, 2018, ISBN 978-606-19-1103-5
8. Lache S., Guiman M. V., Munteanu M.V., Mecanică (I) Statică - Curs universitar, Editura Universității Transilvania din Brașov, 2023, ISBN 978-606-19-1613-9gen

ISI/BDI indexed works (Selection)

- Stanciu, MD, Cosnita, M., Gliga, GV, Gurau, I., Timar, MC, Guiman, MV, Nastac, SM, Rosca, IC, Bucur, V., Dinulica, F., Tunable Acoustic Properties Using Different Coating Systems on Resonance Spruce Wood, Advanced Materials Interfaces, 2024, 11, 2300781, <https://doi.org/10.1002/admi.202300781>
- M. Seciureanu, SM Năstac, MV Guiman, P. Nechita, Cellulose Fibers-Based Porous Lightweight Foams for Noise Insulation, Polymers 2023, 15(18), 3796; <https://doi.org/10.3390/polym15183796>
- MV Guiman, MD Stanciu, IC Roșca, SV Georgescu, SM Năstac, M. Câmpian, Influence of the Grain Orientation of Wood upon Its Sound Absorption Properties, Materials 2023, 16(17), 5998; <https://doi.org/10.3390/ma16175998>
- Guiman, MV, Nastac, SM, Stanciu, MD, Assessments On Experimental Evaluation of Damping Characteristic for Wood Thin Structural Element, Proceedings of the International Congress on Sound and Vibration, ICSV 2023, ISSN: 23293675
- Guiman, MV, Stanciu, MD, Nastac, SM, Gliga, VG, Savin, A., Free Vibration Analysis of Orthotropic Thin Rectangular Plates, Lecture Notes in Networks and Systems, Volume 926 LNNS, Pages 42 - 53, 2024, (INTER-ENG 2023), ISSN: 23673370
- MV Guiman, IC Roșca, A New Approach on Vibrating Horns Design, SHOCK AND VIBRATION, Volume 2017, <https://doi.org/10.1155/2017/8532021>