


PERSONAL INFORMATION

Mihaela Violeta MUNTEANU


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PROFESSIONAL
EXPERIENCE

2025- present Associate Professor

2020 – 2025 University Lector

2006 – 2020 Assistant Professor

Transilvania University of Braşov,
Faculty of Mechanical Engineering, Department of Mechanical Engineering
29 Eroilor Boulevard Braşov, 500283, România
www.unitbv.ro; <https://mecanica.unitbv.ro/ro/>

Coordination of course, seminar and laboratory teaching activities of students, full-time education in the following subjects:

- Mechanics I – Statics;
- Mechanics II – Kinematics and Dynamics;
- Communication and Ethics;
- Industrial Project Management.

Scientific research activities: mechanical tests in the University laboratories, processing of experimental data obtained.

Preparing students for the “Andrei G. Ioachimescu” National Student Competitions in Mechanics

Activity related to organizing admission sessions, taking semester and year exams.

Participation in scientific research sessions.

Activity related to organizing annual international conferences organized by the Department of Mechanical Engineering at Transilvania University of Braşov.

Elaboration of the teaching schedule within the department using the GESFO Program

Type or sector of activity

- Education/ Research

Experience in the field of ID/IFR:

Quality	Name and period of activity	Organizing institution/trainer
Discipline coordinator	Development of course support, auxiliary teaching materials, preparation of tutorials/ 2013 – present: <i>Communication and Ethics</i> , course for the first year, 1st semester	Faculty of Mechanical Engineering
	Development of course support, auxiliary teaching materials, preparation of tutorials/ 2012 – 2018: <i>Applied Computer Science</i> , course support for the first year, semester I	Faculty of Mechanical Engineering
Participant in ID Technology training	2016, 2017 Semester training Organized by the coordinator/responsible for the platform of the study program, prof.dr.eng. Maria Luminița Scutaru	Faculty of Mechanical Engineering, coordinator/responsible for the platform of the study program, prof.dr.eng. Maria Luminița Scutaru

- 2013 – 2014 **Human Resources Inspector**
- SC GENOA LOGISTIC SRL,
50 Harmanului Street, Braşov, România
<http://www.genoalogistic.ro/>
- Preparing employment/termination forms within the company;
Managing employee personal files in accordance with the provisions of the Labor Code;
Recording attendance, time sheets and leave;
Creation and submission of the electronic employee record book;
Preparation of retirement files according to the legislation in force, etc.
- Type or sector of activity
- domestic and international road transport of goods
- 2012 – 2013 **Human Resources Inspector**
- ASC Corona 2010 Braşov, România
21 Garii Boulevard - 1st floor of the "Dimitru Popescu Colibasi" Sports Hall, Braşov, România
<http://asccorona.ro/>
- Preparing employment/termination forms within the company;
Managing employee personal files in accordance with the provisions of the Labor Code;
Recording attendance, time sheets and leave;
Creation and submission of the electronic employee record book;
Preparation and submission of tax returns for employees;
Preparation of retirement files according to the legislation in force, etc.
- Type or sector of activity
- activity field . Organizer of sports competitions

EDUCATION AND TRAINING

- 2012 - 2014 **Doctor of Engineering Sciences, Mechanical Engineering field** nivelul 8 EQF,
Transylvania University of Brasov,
Faculty of Mechanical Engineering, Department of Mechanical Engineering
29, Eroilor Boulevard, Braşov, 500283, Romania
▪ Skills in scientific research
- 2006 – 2008 **Master's degree in Mechanical Engineering, specialization Computational Mechanics** nivelul 7 EQF
Transylvania University of Brasov,
Faculty of Mechanical Engineering, Department of Mechanical Engineering
29, Eroilor Boulevard, Braşov, 500283, Romania
▪ Skills in scientific research
- 2005 – 2007 **Master's degree, specialization Automation of Manufacturing Systems (master's degree in English)** nivelul 7 EQF
Transylvania University of Brasov,
Faculty of Technological Engineering
29, Eroilor Boulevard, Braşov, 500283, Romania
▪ Skills in scientific research
- 2000 – 2005 **Engineer, Production Specialization** nivelul 6 EQF
Transylvania University of Brasov,
Faculty of Technological Engineering,
29, Eroilor Boulevard, Braşov, 500283, Romania
▪ Technological skills, Production Engineering
- 1996 – 2000 **Baccalaureate Diploma** nivelul 4 EQF
Industrial School Group Hydromechanics, Computer Science,
Brasov, Romania
▪ Certified Programmer (Analyst) Technical Computer Operator Assistant in the Field of Computer Science

OTHER COURSES/
TRAINING INTERNSHIPS

- 2024 **Certificate of Participation MasterClass in Academic Writing and Publishing**
Master Class & information & Transylvania University of Brasov
- 2017 **Certificate of participation in the workshop: Developing academic skills of teachers - conditions for academic success**
Transylvania University of Brasov,
Faculty of Psychology and Educational Sciences,
Brasov, Romania
- 2016 **Certificate of participation workshop: Developing teaching skills of young teachers**
Transylvania University of Brasov,
Faculty of Psychology and Educational Sciences,
Brasov, Romania
- 2015 **Certificate of participation in the Training School: From Innovation to Entrepreneurship**
Aristotle University of Thessaloniki,
Faculty of Economic and Political Sciences, Innovation and Entrepreneurship Unit (IEU)
Thessaloniki, Greece
- 2013 **Certificate of professional competence. Postgraduate program of continuous professional training and development: Quality, innovation, communication in the continuous training system of higher education teachers**
Politehnica University of Bucharest,
Department of Training for Teaching Careers and Social and Human Sciences
Bucharest, Romania
- 2011 **Human resources inspector**
CNFPA certified course, Ministry of Education, Research, Youth and Ministry of Labor,
Family and Equal Opportunities
SC Dima Consulting Group SRL
Brasov, Romania
- 2009 **DPPD Graduation Certificate - Psychopedagogical Training for the Teaching Profession**
Transylvania University of Brasov,
Department for Teaching Staff Training,
Brasov, Romania
- 2007 **Certificate of Completion of the Advanced Training Course for Engineers – Poly-, Quasi- and Rank- One Convexity in Applied Mechanics**
CISM, International Center for Mechanical Sciences
33100 Udine, Italy
▪ Skills in scientific research
- 2006 **Certificate of Completion of the Advanced Training Course for Engineers – Dynamical Analysis of Vehicle Systems – Theoretical Foundations and Advanced Applications**
CISM, International Center for Mechanical Sciences
33100 Udine, Italy
▪ Skills in the field of scientific research - Actuator and control systems in automotive engineering; Control and optimization of systems specific to road vehicles; Basics of calculation and construction of mechanical systems.
- 2004 **Certificate of Completion – Parametric Design with Solids Using CATIA V5**
Transylvania University of Brasov,
The Center for Training and Valorization of Human Resources Foundation – CPVRU,
Continuing Education Center for Applied Informatics and Technological Development – CFCIADT,
Brasov, Romania

PERSONAL COMPETENCES

Mother tongue Romanian

Other known foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Obedience	Reading	Join the conversation	Oral speech	
English	C1	C1	B2	B1	B1
Italian	B2	A2	B2	B2	A2
French	A2	A1	A1	A1	A1

Levels: A1/2: Elementary user - B1/2: Independent user - C1/2: Experienced user
Common European Framework of Reference for Languages

Communication skills

Communication skills acquired during public presentations and defenses of scientific papers and articles in Romanian and English, within national and international scientific events. Responsibility, flexibility and adaptability to the particularities of each group, dynamism, very good communication skills, listening/feedback, determination, team spirit, obtained from experience in the teaching environment and research teams.

Organizational/ Managerial skills

Experience in project management - Director of a national project and member of the working teams within the stages of research projects.
Problem solving, flexibility and adaptability, synthesis capacity, decision-making skills, analytical thinking, negotiation and persuasion.
Well-developed organizational skills, which were highlighted during teaching activities, as well as as an active member of the organizing committee of the annual international conferences organized by the Department of Mechanical Engineering of Transilvania University Brasov
Good organizer of the information system, of the necessary contacts (work meetings, conferences)

Computer skills

Use of Microsoft Office, Windows, Internet explorer, AutoCAD, Mathcad, Matlab

Driving license

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ANNEXES

Publications

Author and co-author of over 15 specialized books
Author and co-author of over 90 scientific papers in the field of mechanics (22 WOS indexed papers)

Hirsch indices

- Hindex ISI = 4;
- Hindex Scopus = 4;
- Hindex Google Scholar = 6

ANNEXES

Books – selection

1. **Munteanu M.V.**, Modrea A., Vlase S., MECANICĂ. STATICA. Note de curs, Editură: Editura UniversityPress, UMFST G.E. Palade din Tg. Mureș, ISBN 978-973-169-870-0 Dată 2024 NrAutori:3 Număr pagini: 198
2. Lache S., Guiman M. V., **Munteanu M.V.**, MECANICĂ (I) STATICĂ - Curs universitar Editură:EDITURA UNIVERSITĂȚII TRANSILVANIA DIN BRASOV isbn:978-606-19-1613-9 gen 978-606-19-1613-4 vol I Dată:2023 NrAutori:3 Număr pagini:134
3. Ulea M., **Munteanu M.V.**, STATICA TEHNICĂ APLICĂȚII, Ed a III-a, Editura Universității Transilvania din Brașov, 2019, ISBN 978-606-19-1131-8, 198 pag Anulrealizării:2019 Anapariție:2019
4. S. Vlase, S. Lache, M.L. Scutaru, M. Mihalcica, **V.M. Munteanu**, PROBLEME DE MECANICA - STATICA. Editura:Universitatii Transilvania din Brasov, 2018 ISBN 978-606-19-1062-5 Anulrealizării:2018 Anapariție:2018
5. S. Vlase, S. Lache, M.L. Scutaru, M. Mihalcica, **V.M. Munteanu**, PROBLEME DE MECANICA - CINEMATICA Editura:Universitatii Transilvania din Brasov ISBN 978-606-19-1063-2 Anulrealizării:2018 Anapariție:2018
6. S. Vlase, S. Lache, M.L. Scutaru, M. Mihalcica, **V.M. Munteanu**, PROBLEME DE MECANICA - DINAMICA Editura:Universitatii Transilvania din Brasov ISBN 978-606-19-1064-9 Anulrealizării:2018 Anapariție:2018

Chapters from books by international publishers

1. Vlase S., **Munteanu M.V.**, Scutaru M.L., Kinematical Analysis Of The Multibody Systems Using Topological Description, "DAAAM International Scientific Book 2008", Vol. 7, ISSN 1726-9687, ISBN 3-901509-69-0, Pp. 953-966, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, Austria DOI: 10.2507/Daaam.Scibook.2008.79 953, 2008;

ISI Web of Science indexed papers - selection

1. Petrici, A.V.; Scutaru, M.L.; **Munteanu, V.M.**; Vlase, S., Use of New and Light Materials in Automotive Engineering for Towing System publicație: applied sciences issn:2076-3417 Dată:2024 nrAutori:4, SRI 1.795, FI 2.5, WOS:001311005700001, <https://0a10qr733-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001311005700001>
2. I. Száva, S. Vlase, I.R. Száva, G. Turzó, **V.M. Munteanu**, T. Gălățanu, Z. Asztalos, B.P. Gálfi, Modern Dimensional Analysis-Based Heat Transfer Analysis: Normalized Heat Transfer Curves publicație:Mathematics issn:2227-7390 Dată:2023 nrAutori:8, SRI 0.86, FI 2.592, WOS:000931043000001, <https://0a10qr733-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000931043000001>
3. G. Turzó, I.R. Száva, S. Dancsó, I. Száva, S. Vlase, **V. Munteanu**, T. Gălățanu, Z. Asztalos, A New Approach in Heat Transfer Analysis: Reduced-Scale Straight Bars with Massive and Square-Tubular Cross-Sections publicație:Mathematics issn:2227-7390 Dată:2022 nrAutori:8, SRI 0.86, FI 2.592, WOS:000867126600001, <https://0a10qr733-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000867126600001>
4. **Munteanu, V.M.**; Mihălică M., Itu C., Vlase, S., Scutaru M.L., Mechanical design of interaction chamber for the ELIAD array at ELI-NP, revista:AIP Advances issn:2158-3226 AnAparitie:2020 nrAutori:5, SRI 1.06 FI 1.579 (2019), WOS:000519595000004, <https://0a10qra8g-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000519595000004>
<https://aip.scitation.org/doi/10.1063/1.5129317>
https://intranet.unitbv.ro/Portals/0/Cercetare/Remunerare/Articole%20ISI_Clarivate_Analytics%20actualizat%20la%2019%20ianuarie%202021.xlsx
5. A. Modrea, **V.M. Munteanu**, I. Pruncu, Using the Symmetries in the Civil Engineering. An overview publicație:Procedia Manufacturing Volume 46, 2020, Pages 906-913 issn:2351-9789 Dată:2020 nrAutori:3 BDI:SCOPUS WOS:000582466200128, <https://0a10qra36-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000582466200128>
6. **V.M. Munteanu**, M.D. Stanciu, S. Vlase, Image Correlation to Predict the Gait Recovery of Patients in the Post-Surgery Period publicație:Procedia Manufacturing Volume 46, 2020, Pages 499-508 issn:2351-9789 Dată:2020 nrAutori:3 BDI:Web of Science, WOS:000582466200071, <https://0a10qra8g-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000582466200071>
7. **V.M. Munteanu**, M.D. Stanciu, A. Modrea, Behavior of Laminated Wooden Beam with Variable Section Subjected to Bending publicație:Procedia Manufacturing Volume 46, 2020, Pages 899-905 issn:2351-9789 Dată:2020 nrAutori:3 BDI:SCOPUS, WOS:000582466200127, <https://0a10qra8g-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000582466200127>
8. Stanciu M.D., Bucur V., **Munteanu M.V.**, Georgescu S.V., Năstac S.M., Moisture induced deformation in the neck of a classical guitar, in Holzforschung, 2019, Vol 73(4):371-379, ISSN: 1437-434X (FI=2.579, SRI=2.177, 2019); <https://www.degruyter.com/view/journals/hfsg/73/4/article-p371.xml>
https://intranet.unitbv.ro/Portals/0/Cercetare/Remunerare/Articole%20ISI_Clarivate_Analytics_actualizat_23%20ianuarie%202020.xlsx
9. **M.V. Munteanu**, M.D. Stanciu, S.M. Năstac, A. Savin, Modal analysis of small turbine blade made from glass fibres composites, The 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018, June 07 - 08, 2018
<http://iopscience.iop.org/issue/1757-899X/444/6>
<https://iopscience.iop.org/article/10.1088/1757-899X/444/6/062004/pdf>
10. **M.V. Munteanu**, M.D. Stanciu, I.Ș. Urucu, P.G. Duță, Structural analysis of classical guitar during the technological processing, The 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018, June 07 - 08, 2018, <http://iopscience.iop.org/issue/1757-899X/444/6>
<https://iopscience.iop.org/article/10.1088/1757-899X/444/6/062003/pdf>