


PERSONAL INFORMATION

RĂCĂȘAN Sergiu

 str. Universității, nr.1, Brașov, cod 500068

 0268 415 315

 sergiu.racasan@unitbv.ro

Sex Male | Nationality Romanian

JOB APPLIED FOR

Transilvania University of Brașov – Faculty of Furniture Design and Wood Engineering
Department of Wood Processing and Design of Wood Products

WORK EXPERIENCE

2022 – today

Lecturer

Transilvania University of Brașov (B-dul Eroilor nr.29, Brașov, Romania , www.unitbv.ro)
Faculty of Furniture Design and Wood Engineering

- Teaching and research activities
[Business or sector](#) education

2003 -2022

Assistant professor

Transilvania University of Brașov (B-dul Eroilor nr.29, Brașov, Romania , www.unitbv.ro)
Faculty of Furniture Design and Wood Engineering

- Teaching and research activities
[Business or sector](#) education

EDUCATION AND TRAINING

2011

Doctoral degree

Transilvania University of Brașov
Faculty of Wood Engineering
Doctoral thesis: Contributions to optimize the mechanical processing of wood by milling on CNC machine-units.

2002 - 2003

Master degree

Transilvania University of Brașov
Faculty of Wood Industry
▪ Study program: Modelling and optimization of wood processing

1997 - 2002

Bachelor degree

Transilvania University of Brașov
Faculty of Wood Industry
▪ Study program: Wood Processing

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Language certificate - English					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience as teacher

Job-related skills

- good knowledge about CNC machine-units
- good knowledge about conventional machine-units
- 3D Modeling and parametrical design of wooden products

Computer skills

- good command of Microsoft Office™ tools
- 3D Modeling and parametrical design : Top Solid, Solid Edge, Solid Works, AutoCAD, Mechanical Desktop;
- Aplicații la proiectarea și prelucrarea pe Centre cu Comandă Numerică (CNC): Vectric Aspire, Linux CNC
- Programming in Auto Lisp, Delphi;
- Web design: Dreamweaver.

Driving licence

- B category

ADDITIONAL INFORMATION

Publications
(selection)

- B. Bedeleian, M. Ispas, **S. Racasan**, M.N. Baba, Optimization of Wood Particleboard Drilling Operating Parameters by Means of the Artificial Neural Network Modeling Technique and Response Surface Methodology. FORESTS, 2022, Vol.13, Nr.7, wos:000834397800001 DOI:10.3390/f13071045
- A. Lungu, A. Androne, L. Gurau, **S. Racasan**, C. Cosereanu, Textile heritage motifs to decorative furniture surfaces. Transpose process and analysis wos:000724911000006 ISI Journal of Cultural Heritage, 2021, vol. 52, pp 192-201, <https://doi.org/10.1016/j.culher.2021.10.006>
- A. Lungu, M. Ispas, L.M. Brenci, **S. Racasan**, C. Cosereanu, Comparative Study on Wood CNC Routing Methods for Transposing a Traditional Motif from Romanian Textile Heritage into Furniture Decoration wos:000681989700001 ISI Applied Sciences 2021. Vol 11, 6713, <https://doi.org/10.3390/app11156713>.
- **S. Racasan**, B. Bedeleian, S. Georgescu, A.M. Varodi, Comparison Between Artificial Neural Networks and Response Surface Methodology to Predict the Bending Moment Capacity of Heat-treated Wood Dowel Joints, ISI Bioresources vol. 15, nr.3 pp.5764-5775
- S. Georgescu, A.M. Varodi, **S. Racasan**, B. Bedeleian, Effect of the Dowel Length, Dowel Diameter, and Adhesive Consumption on Bending Moment Capacity of Heat-treated Wood Dowel Joints ISI Bioresources vol. 14, nr.3 pp.6619-6632
- Lidia Gurau, Nadir Ayrilmis, Jan Thore Benthien, Martin Ohlmeyer, Manja Kitek Kuzman, **Sergiu Racasan**, EFFECT OF SPECIES AND GRINDING DISC DISTANCE ON THE SURFACE ROUGHNESS PARAMETERS OF MEDIUM DENSITY FIBERBOARD. ISI European Journal of Wood and Wood Products, Mai 2017, Vol 75, Nr.3, pg 335-346
- M. Ispas, L. Gurau, * M. Campean, M. Hacibektasoglu, and **S. Racasan**, MILLING OF HEAT-TREATED BEECH WOOD (FAGUS SYLVATICAL.) AND ANALYSIS OF SURFACE QUALITY", ISI Bioresources Vol.11, Nr.4 9095-9111, 8.sept. 2016 (DOI: 10.15376/biores.11.4.9095-9111)

- **S. Racasan**, Study Regarding the Optimization of Milling Parameters for a Minimal Power Consumption Jurnal BDI: Pro Ligno Vol.14 Nr.4, 2018 ISSN-L 1841-4737
- M. Ispas, **S. Racasan**, STUDY REGARDING THE INFLUENCE OF THE TOOL GEOMETRY AND FEED RATE ON THE DRILLING QUALITY OF MDF PANELS Jurnal BDI:Pro Ligno Vol.13, Nr.4, 2017 ISSN-L 1841-4737
- **S. Racasan**, M. Ispas, COMPARATIVE STUDY ON THE TECHNICAL PERFORMANCES OF TWO THICKNESSING MACHINES, Jurnal BDI:Pro Ligno Vol.11 Nr.2, 2015 ISSN-L 1841-4737
- M. Ispas, **S. Racasan**, "THE INFLUENCE OF THE TOOL POINT ANGLE AND FEED RATE ON THE DYNAMIC PARAMETERS AT DRILLING COATED PARTICLEBOARD" Jurnal BDI:Pro Ligno Vol.11, Nr.4, 2015 ISSN-L 1841-4737
- M. Ispas, L. Gurau, **S. Racasan**, THE INFLUENCE OF THE TOOL POINT ANGLE AND FEED RATE ON THE DELAMINATION AT DRILLING OF PRE-LAMINATED PARTICLEBOARD Jurnal BDI:Pro Ligno Vol.11, Nr.4, 2015 ISSN-L 1841-4737
- M. Ispas, **S. Racasan**, STUDY REGARDING THE VARIATION OF THE THRUST FORCE, DRILLING TORQUE AND SURFACE DELAMINATION WITH THE FEED PER TOOTH AND DRILL TIP ANGLE AT DRILLING PRE-LAMINATED PARTICLEBOARD Jurnal BDI:Pro Ligno Vol.10 Nr.4 2014 ISSN-L 1841-4737
- M. Ispas, L. Gurau, **S. Racasan**, THE INFLUENCE OF THE TOOL GEOMETRY AND FEED RATE ON THE DRILLING QUALITY OF PRE-LAMINATED PARTICLEBOARD, PRO-Ligno Vol. 9. Nr.4, 2013 ISSN-L 1841-4737
- M. Ispas, **S. Racasan**, THE INFLUENCE OF THE TOOL GEOMETRY AND FEED RATE ON THE DYNAMIC PARAMETERS OF COATED PARTICLEBOARD DRILLING" PRO-Ligno Vol. 9. Nr.4, 2013 ISSN-L 1841-4737