

PERSONAL INFORMATION

Camelia COŞEREANU



Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA
Faculty of Furniture Design and Wood Engineering Braşov, Street Universităţii 1, Braşov 500068


cboieriu@unitbv.ro

Sex: Female | Nationality - Romanian

DOMAIN

Prof. dr. eng. / PhD supervisor- Higher education/academic staff

PROFESSIONAL EXPERIENCE

Period	2023-present
Position	Professor and PhD coordinator
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering ,
Period	2019-2023
Position	Head of Department of Wood Processing and Wood Products Design
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering , Higher education/academic staff - management
Period	2016-Present
Position	Prof. dr. eng./ PhD supervisor
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering , Higher education/academic staff •Teaching, scientific research, pHd Supervisor, Coordinator of <i>Forest Engineering</i> doctoral domain . Teaching courses on "Furniture Manufacturing Technology", "Art Furniture Technology", "Furniture Design, Manufacturing and Reliability", "Structural Strengthening. Upholstered Furniture Restoration", "Tradition and Innovative Furniture Decoration Techniques", "Upholstered Furniture Technology",
Period	2008-2016
Position	Assoc. Prof. dr. eng
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering , Higher education/academic staff •Teaching, scientific research
Period	2004-2008
Position	Lecturer. dr. eng
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering , Higher education/academic staff •Teaching, scientific research

Period	2001-2004
Position	Assistant. dr. eng
Business or Sector	Transilvania University of Brasov , 29 Eroilor Street, 500036 postcode, Brasov, ROMANIA (www.unitbv.ro) , Faculty of Furniture Design and Wood Engineering , Higher education/academic staff •Teaching, scientific research
Period	1997-2001
Position	Engineer
Business or Sector	<i>Autoliv Romania S.A.</i> Automotive industry • Quality system ,
Period	1995-1997
Position	Engineer/ Safety system for automotive industry
Business or Sector	<i>Metaloplast S.A.</i> •Household products, furniture and others •Product design Engineer
Period	1990-1995
Position	Engineer
Business or Sector	<i>Măgura Codlea S.A.</i> •Furniture manufacturer •Product design Engineer and furniture manufacturing technology specialist
Period	1987-1990
Position	Engineer
Business or Sector	<i>CEPL Toplița.</i> •Furniture manufacturer •Product design / Wood processing and furniture manufacturing specialist

EDUCATION AND TRAINING

2015	Habilitation certificate and doctoral supervisor	ISCED 2011 EQF 8
	Transilvania University of Brasov	
2014	Postgraduate Program of Continuous Vocational Training and Development – POS-DRU DidaTec- ID 60891	ISCED 2011 EQF 8
	Transilvania University of Brasov	
	• Blended learning,	
2001-2006	PhD Doctor in Industrial Engineering	ISCED 2011 EQF 8
	<i>Transilvania</i> University of Brasov –Faculty of Wood Industry, Brasov- now Faculty of Furniture Design and Wood Engineering , Romania	

PhD Thesis title: "Contribution to the study of decorative reconstituted panels made from hardwood species and used for interior arrangement and furniture purposes"

1982- 1987 Dipl. Engineer – Forestry Engineering ISCED 5a / EQF 7
Transilvania University of Brasov –Faculty of Wood Industry, Brasov- now Faculty of Furniture Design and Wood Engineering, Romania
Skills in technical documentation and scientific research.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Interpreter certificate for technical English/ Ministry of Education					

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 acquired through teaching experience in higher education .
- Organisational / managerial skills
 - Member of the bachelor graduation commissions (annually), commission president in 2014, 2015, 2016, 2018 for the IPL study program.
 - Member of admission committees, annually.
 - Coordination as project director of three scientific research contracts.
 - Member of the organizing committee of some international scientific conferences;
 - Director of PLDPL department;
- Job-related skills
 - educational skills;
 - research skills;
 - furniture design skills;
 - competences in the field of product quality.
 - Measurement and testing techniques, statistical interpretation of data;
- Computer skills
 - a good knowledge of Microsoft Office™ tools
 - AutoCAD 2D, 3D, Corel, Adobe Photoshop.
- Other skills
 - Total Quality Management, Kaizen
- Driving License
 - B

ADDITIONAL INFORMATION

Publications (last 5 years)

- Lungu, A., Gurău, L., and Coşereanu, C. (2023). "Evaluation of CNC routed surface quality of maple (*Acer pseudoplatanus*) and oak (*Quercus robur* L.) with different milling angles as function of grain orientation," *BioResources* 18(3), 5334-5350.
- Gurău, L.; Timar, M.C.; Coşereanu, C.; Cosnita, M.; Stanciu, M.D. Aging of Wood for Musical Instruments: Analysis of Changes in Color, Surface Morphology, Chemical, and Physical-Acoustical Properties during UV and Thermal Exposure. *Polymers* 2023, 15, 1794. <https://doi.org/10.3390/polym15071794>
- Lungu A., Timar MC, Beldean EC, Georgescu SV, Cosereanu, C (2022)- Adding Value to Maple (*Acer pseudoplatanus*) Wood Furniture Surfaces by Different Methods of Transposing Motifs from Textile Heritage, *Coatings* 12(10), 1393.
- Balea G, Lunguleasa A., Zeleniuc O, Cosereanu C (2022) - Three Adhesive Recipes Based on Magnesium Lignosulfonate, Used to Manufacture Particleboards with Low Formaldehyde Emissions and Good Mechanical Properties, *Forests* 13(5), 737.
- Condoroteanu DC, Gurau L, Cosereanu C, Georgescu SV (2022)- A Proposed Method to Evaluate the Effect of Changing the Kerfing Parameters upon the Static Bending Behaviour of Flexible Plywood Panels Cut by Laser, *Applied Sciences-Basel* 12(9), 4303.
- Georgescu SV, Sova, D., Campean M., Cosereanu C (2022) - A Sustainable Approach to Build Insulated External Timber Frame Walls for Passive Houses Using Natural and Waste Materials, *Forests* 13(4), 522.
- Nicolau A, Pop AM, Cosereanu C (2022). 3D Printing Application in Wood Furniture Components Assembling, *Materials* 15(8), 2907.
- Zeleniuc O, Cosereanu C (2022). Effect of Variable Conditions of Exposure on the Physical and Mechanical Properties of Block boards, *Applied Sciences – Basel* 12(2), 609.
- Lungu A, Androne A, Gurau L, Racasan S, Cosereanu C. (2021). Textile heritage motifs to decorative furniture surfaces. Transpose process and analysis, *Journal of Cultural Heritage* 52, pp. 192-201.
- Paul G., Timar C, Zeleniuc O., Lunguleasa A, Cosereanu C. (2021). Mechanical Properties and Formaldehyde Release of Particleboard Made with Lignin-Based Adhesives, *Applied Sciences-Basel* 11(18), 8720.
- Gurau L, Cosereanu C, Paiu I. (2021). Comparative Surface Quality of Larch (*Larix decidua* Mill.) Fretwork Patterns Cut through by CNC Routing and by Laser, *Applied Sciences-Basel* 11(15), 6875.
- Lungu A, Ispas M, Brenci LM, Racasan S, Cosereanu C (2021). Comparative Study on Wood CNC Routing Methods for Transposing a Traditional Motif from Romanian Textile Heritage into Furniture Decoration, *Applied Sciences-Basel* 11(15), 6713.
- Iulian PAIU, Antonius ANDRONE, Camelia COSEREANU (2020). CAD-CAM-CAE in Wood Industry. A Case Study for Perforated Ornaments Processed on CNC Router, *PRO LIGNO 2020* Volume 16, Issue 3. pp. 60-67
- Antonela LUNGU, Melinda PUSKÁS, Camelia COŞEREANU (2020). CONVERGENCES BETWEEN THE TRADITIONAL MOTIFS OF THE ROMANIAN AND MEXICAN TEXTILE HERITAGE. *INTERNATIONAL CONFERENCE RCIC'20. Redefining Community in Intercultural Context*, Cluj-Napoca, 7-9 May 2020.
- Stanciu, Mariana Domnica; Cosereanu, Camelia; Dinulica, Florin; et al. (2020) Effect of wood species on vibration modes of violins plates, *European Journal of Wood and Wood Products* volume 78, pages 785–799.
- Georgescu, Sergiu-Valeriu; Cosereanu, Camelia; Fotin, Adriana; et al (2019). Experimental thermal characterization of timber frame exterior wall using reed straws as heat insulation materials. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* Volume: 138 Issue: 4 Pages: 2505-2513
- Ispas, Mihai; Cosereanu, Camelia; Zeleniuc, Octavia (2019). Flexural Properties of Blockboard Reinforced with Glass Fibre and Various Types of Fabrics, *BIORESOURCES* Volume: 14 Issue: 4 Pages: 9882-9892
- Diaconu, O.-M. Turcas, Fotin, A., Cosereanu, C. (2019) Beech wood (*Fagus sylvatica* L.) flooring structures designed to increase the basketball bounce height. *European Journal of Wood and Wood Products* 77(5): 853-860. DOI: 10.1007/s00107-019-01447-2
- Zeleniuc, O., Brenci, L.-M., Cosereanu, C., Fotin A. (2019). Influence of Adhesive Type and Content on the Properties of Particleboard Made from Sunflower Husks. *BioResources* 14(3): 7316-7331

- Cosereanu, C., Cerbu, C. (2019). Morphology, Physical, and Mechanical Properties of Particleboard Made from Rape Straw and Wood Particles Glued with Urea-Formaldehyde Resin, *BioResources* 14(2): 2903–2918. DOI: 10.15376/biores.14.2.2903–2918
- Georgescu, S.V., Cosereanu, C. (2019). Thermal Insulating Panels Made of Recycled Materials, *PRO LIGNO* 15(1), pp.43–48.
- Balea (Paul) G.M., Cosereanu, C. (2019). Influence of Lignin-Based Adhesives Upon the Properties of Particleboards Made from Rape Straws, *PRO LIGNO* 15(1), pp.49–54.
- Georgescu, S. V.; Cosereanu, C. (2018). Comparative analysis of thermal and acoustic performance of composites made from wood fibres, recycled rubber and ABS. 3rd China-Romania Science and Technology Seminar (CRSTS), Transilvania Univ, Brasov, ROMANIA, APR 24–27, Book Series: IOP Conference Series-Materials Science and Engineering Volume: 399, pp.12–19
- Brenci, L.M; Cosereanu, C.; Zeleniuc, O.; et al. (2018). Thermal Conductivity of Wood with ABS Waste Core Sandwich Composites Subject to Various Core Modifications, *BIORESOURCES* Volume: 13 Issue: 1 Pages: 555–568.
- Olarescu, C., Campean, M., Cosereanu, C. (2017). Shape- and dimensional stability of solid wood panels made from heat-treated lime wood strips, *European Journal of Wood and Wood Products*, May 2017, Volume 75, Issue 3, pp 467–471.

Projects

Grants and research contracts

- International project Erasmus+, PN:601011-EPP-1-2018-1-ES-EPPKA2-SSA, DITRAMA - Digital transformation manager: leading companies in Furniture value chain to implement their digital transformation strategy, 1.01.2019–31.12.2021, *46175 euro, member.*
- International Project ERASMUS+, KA202, No. 2020-1-FR01-KA202-079899_202010141216, Tackling Environmental sustainability through Blended Learning opportunities for iVet in the furniture and wood sector, 1.11.2020–31.10.2022, *28202 EURO, member*
- PNCDI III - Programme 2, Sub programme 2.1 – Competitiveness through research, development and innovation - Experimental - demonstration project, PED 2019-1093, PN-III-P2-2.1-PED-2019-2148. Innovative violin models acoustically and aesthetically comparable to heritage violins, 01.05.2020–30.04.2022, *365000 RON, member.*
- P4 - Basic and Frontier Research, Public Priority Area: Engineering Sciences, Subfield: Products and Process Engineering PN-III-P4-PCE-2021-0885, contract no. PCE61/2022. Qualitative, dynamic and acoustic analysis of anisotropic systems with modified interfaces - ACADIA, 02.06.2022 – 31.12.2024, *1200000 RON, member.*

Honours and awards

AOSR 2017 award for the publication of book entitled: "Furniture decoration. Design and manufacture".

Scientific contribution

- 54 articles Indexed ISI
- More than 30 articles indexed BDI
- More than 50 International Conference papers
- 16 books (4 as main author),
- 4 patents,
- Hirsch index according to ISI Knowledge: 11
- Hirsch index according to Scopus: 12
- Hirsch index according to Google Scholar: 15
- Reviewer of PRO LIGNO journal, ISSN: 2069-7430, BDI journal.
- Member of the editorial team of PRO LIGNO magazine, ISSN: 2069-7430, BDI magazine.
- ISI magazine reviewer: "European Journal of Wood and Wood Products"; "Wood Science and Technology", "Thermal Analysis and Calorimetry", "Bioresources", MDPI journals

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