

## INFORMAȚII PERSONALE

**TIMAR Maria Cristina**

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## LOCUL DE MUNCĂ

Universitatea Transilvania din Brașov

## POZIȚIA

Facultatea de Design de Mobilier și Inginerie a Lemnului / Departamentul PLDPL

Profesor universitar

## CONCĂTOR DE DOCTORAT

Domeniul de doctorat: Inginerie forestieră

Din 2011

Sexul F | Naționalitatea Română

## 2003 - prezent

Universitatea Transilvania din Brașov – B-dul Eroilor 29, [www.unitbv.ro](http://www.unitbv.ro)  
/ Facultatea de Design de Mobilier și Inginerie a Lemnului ( <https://dmil.unitbv.ro/> )  
Profesor universitar: activitate didactică , cercetare științifică, conducător de doctorat în  
domeniul Inginerie forestieră

## 2000-2003

UniTBv/FIL - conferențiar universitar - activitate didactică și cercetare științifică

## 1995-2000

UniTBv/FIL - șef lucrări universitar - activitate didactică și cercetare științifică

## 1990-1995

UniTBv/FIL - asistent universitar - activitate didactică și cercetare științifică

## 1886-1990

UniTBv Facultatea de Industria Lemnului – cercetător științific- activitate de cercetare pe bază de  
contracte de cercetare

## 1981-1986

Intreprinderea Colorom –Codlea – Serviciul CTC

Laborator CTC – II- Intermediari organici / Șef laborator CTC-control materii prime

## EXPERIENȚA PROFESIONALĂ

## EDUCAȚIE ȘI FORMARE

1992-1998	Doctorat	EQF 8
1998	Doctor of Philosophy (PhD) - Universitatea Brunel, Marea Britanie – Certificat PhD Brunel University conferit la Congregația din 25.09.1998	
1999	Doctor în profilul tehnic –specializarea Tehnologia mecanică a lemnului Atestat de echivalare a titlului de doctor în România seria C/ 0001331/ Teza de doctorat: Chemically modified wood for thermally formed composites (Lemn modificat chimic pentru compozite obținute prin termoformare)	
1980 -1981	Studii postuniversitare – specializare în cercetare Universitatea Babeș Bolyai- Cluj / Facultatea de Tehnologie Chimică Certificat de specializare în Chimie organică –seria A, Nr.182/27.09.1982 Recomandare pentru cercetare după stagiul, dublă repartiție	EQF 7
1976 -1980	Studii universitare - Licență Universitatea Babeș Bolyai- Cluj / Facultatea de Tehnologie Chimică- Secția Chimie Diplomă de licență în Chimie – Specializarea Chimie – 27933/24.03.1981	EQF 6

COMPETENȚE PERSONALE

Limba(i) maternă(e)  
Limbi străine cunoscute  
Engleză

Română

ÎNȚELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
C1	C1	C1	C1	C1
Certificat Cambridge FCE, grade A, nr. 0019536, Ref 97C522140007 .				
B1	B1	A2	A2	A2
Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat Cadru european comun de referință pentru limbi străine.				

Competențe de comunicare

- bune competențe de comunicare dobândite prin experiența proprie de cercetător, cadru didactic, director SDI, organizator de evenimente, acțiuni de voluntariat

Competențe organizaționale/manageriale

Organizare și coordonator laboratoare didactice, cercuri de cercetare  
Membru în Consiliul Facultății de Ingineria Lemnului – 2000-2016  
Director Școală Doctorală Interdisciplinară (SDI) a IOSUD UniTBv –2016-2021

Competențe dobândite la locul de muncă

- competențe în conservare-restaurare lemn /mobilier, dezvoltare domeniu restaurare lemn în cadrul FDMIL, organizare expoziții de restaurare, tabere de restaurare, acțiuni de voluntariat pentru conștientizare și conservare patrimoniu cultural

Competențe informatice

- o bună cunoaștere a instrumentelor Microsoft Office™
- utilizator software Adobe Photoshop, CorelDraw
- utilizator software de specialitate (ex. OPUS, AVASOFT, conex echipamentelor de investigații)

- Alte competențe
- Coordonator program de masterat Eco-design de mobilier și restaurare (EDMR)
  - Conducător de doctorat în domeniul Inginerie forestieră – din 2011

- Permis de conducere
- B

Publicații	5 cărți, 5 brevete de invenție, peste 150 lucrări științifice publicate în reviste de specialitate și volume conferințe de prestigiu (43 publicații ISI, dintre care 33 reviste cotate ISI, 20 prim autor /autor corespondent, 5 ISI proceedings-2 prim autor, peste 40 lucrări în reviste BDI, peste 60 lucrări în volume ale conferințelor internaționale)
Proiecte	Director proiect pentru 1 proiect internațional FP5 și 3 proiecte naționale câștigate prin competiție; membru în echipa de cercetare în alte 4 proiecte internaționale și 12 proiecte naționale
Indici Hirsch	ISI-WOS 14, Scopus 14, Google Scholar 24
Referințe	Persoane de contact pentru referințe internaționale: Dr. Mark Irlle (Nancy); Dr. Gervais Sawyer (UK); Prof. Holger Militz (Goettingen); Prof. Joris Van Acker (Gent); Dr. Andrew Pitman (UK); Dr. Dennis Jones (UK); Dr. Kevin Maher (UK),

## INFORMAȚII SUPLIMENTARE

Listă publicații relevante – selecție

▪

## ANEXE

**Maria Cristina TIMAR**  
29.01.2024

**Semnătura:**

## LISTĂ PUBLICAȚII RELEVANTE (Selecție)

### A. Articole în reviste ISI

1. Gurău L., Timar M.C., Coșoreanu C., Coșniță M., Stanciu M.D. (2023) 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>
2. Deaconu I., Porojan M., Timar M.C., Bedeleian B., Câmpean M. (2023). Comparative research on the structure, chemistry, and physical properties of Turkey oak and sessile oak wood. *BioResources*, (18) 3, 5724-5749. DOI: 10.15376/biores.18.3.5724-5749, <https://bioresources.cnr.ncsu.edu/resources/comparative-research-on-the-structure-chemistry-and-physical-properties-of-turkey-oak-and-sessile-oak-wood/>
3. Mazaherifar, M.H.; Hosseinabadi, H.Z.; Coșoreanu, C.; Cerbu, C.; Timar, M.C.; Georgescu, S.V. (2022). Investigation on *Phoenix dactylifera/Calotropis procera* Fibre-Reinforced Epoxy Hybrid Composites. *Forests* **2022**, 13, 2098. <https://www.mdpi.com/1999-4907/13/12/2098>; <https://doi.org/10.3390/f13122098>
4. Gurău L., Coșoreanu C., Timar M.C., Lungu A., Condoroteanu C.D. (2022). Comparative surface quality of Maple (*Acer pseudoplatanus*) cut through by CNC routing and by CO2 laser at different angles as related to the wood grain. *Coatings* **2022**, 12(12), 1982. <https://www.mdpi.com/2079-6412/12/12/1982/pdf>; <https://doi.org/10.3390/coatings12121982>
5. Liu X.Y., Timar M.C., Varodi A.M., Nedelcu R., Torcătoru, M.J. (2022). Colour and Surface Chemistry Changes of Wood Surfaces Coated with Two Types of Waxes after Seven Years Exposure to Natural Light in Indoor Conditions. *Coatings* **2022**, 12(11), 1689. <https://www.mdpi.com/2079-6412/12/11/1689>; <https://www.mdpi.com/2079-6412/12/11/1689/pdf>; <https://doi.org/10.3390/coatings12111689>
6. Timar M.C., Beldean E.C. (2022). Modification of Shellac with Clove (*Eugenia caryophyllata*) and Thyme (*Satureja hortensis*) Essential Oils: Compatibility Issues and Effect on the UV Light Resistance of Wood Coated Surfaces. *Coatings* **2022**, 12(10), 1591; <https://www.mdpi.com/2079-6412/12/10/1591>; <https://www.mdpi.com/2079-6412/12/10/1591/pdf>; <https://doi.org/10.3390/coatings12101591>
7. Lungu A., Timar M.C., Beldean E.C., Georgescu S.V., Coșoreanu C. (2022). Adding Value to Maple (*Acer pseudoplatanus*) Wood Furniture Surfaces by Different Methods of Transposing Motifs from Textile Heritage. *Coatings* **2022**, 12(10), 1393; <https://www.mdpi.com/2079-6412/12/10/1393>; <https://doi.org/10.3390/coatings12101393>
8. Gorgij, R.; Pourtahmasi, K.; Amiri, R.M.; Abdulkhani, A.; Timar, M.C.; Coșoreanu, C. (2022). Chemical variations in tension wood of poplar tree induced by intermittent bending, fertilizer and hormone treatments. *Maderas. Ciencia y tecnología*, 24, 38. Epub July 10, 2022. WOS: SCIELO:S0718-221X202200. <http://dx.doi.org/10.4067/s0718-221x2022000100438>; [https://www.scielo.cl/scielo.php?script=sci\\_arttext&pid=S0718-221X2022000100438&lng=en&tling=en](https://www.scielo.cl/scielo.php?script=sci_arttext&pid=S0718-221X2022000100438&lng=en&tling=en)
9. Pop D.M., Timar M.C., Varodi A.M., Beldean E.C. (2022): An evaluation of clove (*Eugenia caryophyllata*) essential oil as a potential alternative antifungal wood protection system for cultural heritage conservation, *Maderas Ciencia y tecnología*, 2022 (24): 11, 1-16; DOI: 10.4067/s0718-221x2022000100411, <http://revistas.ubiobio.cl/index.php/MCT/article/view/5076/4136>
10. Dupuis V., Cerbu C, Witkowski L., Potarniche A-V, Timar M.C., Żychska M., Sabliov C.M. (2022): Nanodelivery of essential oils as efficient tools against antimicrobial resistance: a review of the type and physico-chemical

- properties of the delivery systems and applications, *Drug Delivery*, 29:1, 1007-1024, DOI:10.1080/10717544.2022.2056663; <https://doi.org/10.1080/10717544.2022.2056663>
11. Balea Paul G., **Timar M.C.**, Zeleniuc O., Lunguleasa A. Coșoreanu C. (2021): Mechanical Properties and Formaldehyde Release of Particleboard Made with Lignin-Based Adhesives, *Appl. Sci.* **2021**, 11(18), 8720, Special Issue *Advances in Wood Engineering and Forestry*; <https://www.mdpi.com/2076-3417/11/18/8720/htm>, <https://doi.org/10.3390/app11188720>.
  12. Pop D.M, **Timar M.C.**, Beldean E.C, Varodi A.M. (2020). Combined testing approach to evaluate the antifungal efficiency of clove (*Eugenia caryophyllata*) essential oil for potential application in wood conservation, *BioResources*, 15(4), 9474-9489, ISSN: 1930-2126. [https://bioresources.cnr.ncsu.edu/wp-content/uploads/2020/10/BioRes\\_15\\_4\\_9474\\_Pop\\_TBV\\_Combined\\_Testing\\_Antifungal\\_Effic\\_Clove\\_Essen\\_Oil\\_Wood\\_Conserv\\_17969.pdf](https://bioresources.cnr.ncsu.edu/wp-content/uploads/2020/10/BioRes_15_4_9474_Pop_TBV_Combined_Testing_Antifungal_Effic_Clove_Essen_Oil_Wood_Conserv_17969.pdf)
  13. Liu X.Y, **Timar M.C.**, Varodi A.M (2019). A comparative study on the artificial UV and natural ageing of beeswax and Chinese wax and influence of wax finishing on the ageing of Chinese Ash (*Fraxinus mandshurica*) wood surfaces, *Journal of Photochemistry & Photobiology, B: Biology* 201 (2019) 111607, <https://doi.org/10.1016/j.jphotobiol.2019.111607>
  14. Varodi A.M., Beldean E.C., **Timar M.C.** (2019): Furan resin as potential substitute for phenol-formaldehyde resin in plywood manufacturing. *BioRes*, 14(2), 2727-2739. [https://bioresources.cnr.ncsu.edu/wp-content/uploads/2019/02/BioRes\\_14\\_2\\_2727\\_Varodi\\_BT\\_Furan\\_Resin\\_Subst\\_Phenol\\_Formald\\_Plywood\\_Manufac\\_12625-.pdf](https://bioresources.cnr.ncsu.edu/wp-content/uploads/2019/02/BioRes_14_2_2727_Varodi_BT_Furan_Resin_Subst_Phenol_Formald_Plywood_Manufac_12625-.pdf)
  15. Reiprecht L., Pop D.M., Vidholdova Z., **Timar M.C.** (2019). Anti-decay potential of five essential oils against wood decaying fungi *Serpula lacrymans* and *Trametes versicolor*, *Acta Facultatis Xylogologiae Zvolen*, ISSN / eISSN:1336-3824, 61(2): 63–72, 2019, DOI: 10.17423/afx.2019.61.2.06, <https://df.tuzvo.sk/sites/default/files/06-02-19.pdf>
  16. Croitoru, C., Varodi A.M., **Timar, M.C.**, Stanciu E.M., Pascu A. (2018). Wood-plastic composites based on HDPE and ionic liquid additives, *J. Mater Sci.*, **53**(6), pp 4132–4143, ISSN 1573-4803 (Online), <https://link.springer.com/article/10.1007/s10853-017-1826-7>
  17. Gurău L., Petru A., Varodi A.M., **Timar M.C.** (2017). The influence of CO2 laser beam power output and scanning speed on surface roughness and colour changes of beech (*Fagus sylvatica*), *BioResources*, **12**(4), pp. 7395-7412, ISSN 19302126, [https://bioresources.cnr.ncsu.edu/wp-content/uploads/2017/08/BioRes\\_12\\_4\\_7395\\_Gurau\\_PVT\\_Infl\\_CO2\\_Laser\\_Beam\\_Power\\_Surf\\_Roughness\\_Color\\_Beech\\_12211-1.pdf](https://bioresources.cnr.ncsu.edu/wp-content/uploads/2017/08/BioRes_12_4_7395_Gurau_PVT_Infl_CO2_Laser_Beam_Power_Surf_Roughness_Color_Beech_12211-1.pdf)
  18. Liu X.Y., **Timar M.C.**, Varodi A., Sawyer G. (2017). An investigation of accelerated temperature-induced ageing of four wood species: colour and FTIR, *Wood Sci Technol*, DOI 10.1007/s00226-016-0867-4, **51** (2): 357-378. <http://link.springer.com/article/10.1007/s00226-016-0867-4>,
  19. **Timar M. C.**, Varodi, A., Hacibektasoglu, M., and Campean, M. (2016). Color and FTIR analysis of chemical changes in beech wood (*Fagus sylvatica* L.) after light streaming and heat treatment in two different environments, *BioRes.* 11(4), 8325-8343, [https://www.ncsu.edu/bioresources/BioRes\\_11/BioRes\\_11\\_4\\_8325\\_Timar\\_VHC\\_Color\\_FTIR\\_Anal\\_Chem\\_Changes\\_Beech\\_Light\\_Heat\\_Treatm\\_9978.pdf](https://www.ncsu.edu/bioresources/BioRes_11/BioRes_11_4_8325_Timar_VHC_Color_FTIR_Anal_Chem_Changes_Beech_Light_Heat_Treatm_9978.pdf)
  20. Liu, X. Y., **Timar M. C.**, Varodi, A. M., and Yi, S. L. (2016). Effects of ageing on the color and surface chemistry of Paulownia wood (*P. elongata*) from fast growing crops, *BioRes.* 11(4), 9400-9420, [https://www.ncsu.edu/bioresources/BioRes\\_11/BioRes\\_11\\_4\\_9400\\_Liu\\_TVY\\_Ageing\\_Color\\_Surface\\_Chem\\_Wood\\_Pawlonia\\_10124.pdf](https://www.ncsu.edu/bioresources/BioRes_11/BioRes_11_4_9400_Liu_TVY_Ageing_Color_Surface_Chem_Wood_Pawlonia_10124.pdf)

21. Timar M.C., Varodi A., Gurău L. (2016). Comparative study of photodegradation of six wood species after short-time UV exposure, (DOI) 10.1007/s00226-015-0771-3, Wood Sci Technol (2016) 50(1):135-163, ISSN 0043-7719, <http://link.springer.com/article/10.1007/s00226-015-0771-3>
22. Liu X.Y., Cionca M., Varodi A.M., Timar M.C. (2015) A comparative study of Qing and European Rococo chairs (18th CENTURY). *Ciencia e tecnica*, Volume 30/Issue 2, ISSN 0254-0223,
23. Timar M.C., Sandu I.C.A., Beldean E. Sandu I. (2014). FTIR investigation of Paraloid B72 as consolidant for old wood. Principle and case studies. *Revista de Materiale Plastice*, Vol. 51, no.4, pp. 382-387, ISSN:00255289 , <http://www.revmaterialeplastice.ro/pdf/TIMAR%20M.pdf%204%2014.pdf>
24. Tuduțe (Traistaru) A.A. Sandu I.C.A., Timar M.C., Dumitrescu L., Sandu I. (2013). SEM-EDX, water absorption, and wetting capability studies on evaluation of the influence of nano-zinc oxide as additive to paraloid B72 solutions used for wooden artifacts consolidation, *Microscopy research and technique (MRT)*, **76** (2), 209-218, ISSN:1097-0029; <http://onlinelibrary.wiley.com/doi/10.1002/jemt.22155/citedby>
25. Gurau L., Timar M.C., Porojan M., Ioras F. (2013). Image processing method as a supporting tool for wood species identification, *Wood and Fiber Science*, no3, July, 303-313; ISSN 0735-6161; <http://wfs.swst.org/index.php/wfs/article/view/1966>
26. Timar M.C., Gurau L., Porojan M., Beldean E. (2013). Microscopic identification of wood species an important step in furniture conservation, *European Journal of Science and Theology*, vol9(4): 243-252, ISSN 1841-0464; [http://www.ejst.tuiasi.ro/Files/40/19\\_Timatetal.pdf](http://www.ejst.tuiasi.ro/Files/40/19_Timatetal.pdf)
27. Tuduțe (Traistaru) A.A., Timar M.C., Campean M., Croitoru C. (2012): Paraloid B72 versus Paraloid B72 with Nano ZnO Additive as Consolidants for Frail Wood, *Materiale Plastice*, **49** (4), 293-300, ISSN 0025-5289; <http://www.revmaterialeplastice.ro/pdf/TUDUCE%20A.pdf%204%2012.pdf>
28. Timar MC, Beldean E, Porojan M, Gurau G. (2009): Field testing and microscopy - important tools for a realistic long-term evaluation of wood improvement treatments, *Environmental Engineering and Management Journal EEMJ*, **8**(4): 669-678, ISSN 1582-9596; [http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol8/no4/9\\_Timar.pdf](http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol8/no4/9_Timar.pdf)
29. Timar M.C., Maher K., Irle M., Mihai D. (2004). Thermal forming of chemically modified wood to make high performance plastic like composites, *Holzforchung*, **58** (5): 519-528, ISSN 0018-3830; <http://www.degruyter.com/view/j/hfsg.2004.58.issue-5/hf.2004.079/hf.2004.079.xml?rskey=BzA4Ri&result=3>
30. Timar M.C., Mihai M.D., Maher K., Irle M., (2000). Preparation of wood with thermoplastic properties. Part 1- Classical synthesis, *Holzforchung*, **54** (1): 71-76, ISSN 0018-3830; <http://www.degruyter.com/view/j/hfsg.2000.54.issue-1/hf.2000.011/hf.2000.011.xml?rskey=BzA4Ri&result=2>
31. Timar M.C., Maher K., Irle M., Mihai M.D., (2000). Preparation of wood with thermoplastic properties. Part 2- Simplified technologies, *Holzforchung*, **54** (1): 77-82, ISSN 0018-3830; <http://www.degruyter.com/view/j/hfsg.2000.54.issue-1/hf.2000.012/hf.2000.012.xml?rskey=BzA4Ri&result=1>
32. Timar M.C., Pitman A. (1999). Biological resistance of chemically modified aspen composites, *International Biodeterioration and Biodegradation*, **43** (4): 181-187, ISSN 0964-8305; <http://www.sciencedirect.com/science/article/pii/S0964830599000529>

## B. Articole în reviste BDI

1. Timar M.C., Buchner J., Pop D.M., Irle M. (2021): The protection of beech wood (*Fagus sylvatica*) against the brown rot *Postia placenta* using clove (*Eugenya caryophyllata*) essential oil in linseed oil medium. *Bulletin of the Transilvania University of Braşov, Series II: Forestry- Wood Industry - Agricultural Food Engineering*, Vol. 14(63) No. 2 – 2021, pp. 61-74; <https://doi.org/10.31926/but.fwiafe.2021.14.63.2.6>, [http://webbut.unitbv.ro/index.php/Series\\_II/article/view/667/603](http://webbut.unitbv.ro/index.php/Series_II/article/view/667/603)

2. **Timar M.C.**, Varodi A.M, Liu X.Y. (2020). The influence of artificial ageing on selected properties of wood surfaces finished with thaditional materials – an assessment for conservation purposes. Bulletin of Transilvania University of Brasov, series II: Forestry - Wood industry – Agriculture food engineering ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM), vol 13 (62), no.2, 2020, pp. 81-94.  
<http://webbut.unitbv.ro/Bulletin/Series%20II/2020/BULETIN%20I/7-%20I%20-Timar.pdf>
3. Beldean E., **Timar M.C** (2020). A new opportunity for research in Romania: subfossil wood. Bulletin of Transilvania University of Brasov, series II: Forestry - Wood industry – Agriculture food engineering ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM), vol 14 (63), no.1, 2021, pp. 77-88.  
<https://doi.org/10.31926/but.fwiafe.2021.14.63.1.7> ;  
[https://webbut.unitbv.ro/index.php/Series\\_II/article/view/313/252](https://webbut.unitbv.ro/index.php/Series_II/article/view/313/252)
4. **Timar M.C.**, Beldean E.C., Olaru I.V., Varodi A.M., Pop D.M (2019). Challenges in the conservation of an early 19<sup>th</sup> century holy door: the first steps. Pro Ligno, vol 215, no.4, pp 128-137.  
<http://www.proligno.ro/en/articles/2019/4/TIMAR.pdf>
5. Pop D.M., **Timar M.C.**, Varodi A.M. (2019). Comparative assessment of the biocidal potential of 3 essential oils. Bulletin of the *Transilvania* University of Braşov Series II: Forestry, Wood Industry, Agricultural Food Engineering, Vol. 12 (61) No. 1 – 2019, pp. 83-96, <https://doi.org/10.31926/but.fwiafe.2019.12.61.1.7>:  
<http://webbut.unitbv.ro/Bulletin/Series%20II/2019/BULETIN%20I%20PDF/7.%20Pop%20et%20al.%20-%2009.07.2019%20-%20EM.pdf>
6. Pop D.M, Varodi A.M., **Timar M.C**, (2019). Essential oils as potential ecological wood preservatives – a preliminary test on thyme essential oil. Innovation in Woodworking Industry and Engineering Design, ISSN 2367-6663, vol 15(1)/ 2019, pp. 28-36, <http://www.scjournal-inno.com/en/article-336.htm>;  
<https://www.cabdirect.org/cabdirect/abstract/20193325978>
7. Pop D.M., **Timar M.C.**, Varodi A.M. (2018): Comparative assessment of antifungal potential of clove (*Eugenia Caryophyllatta*) and cinnamon (*Cinnamomum verum*) essential oils, Pro Ligno, vol 14(4), pp. 82-91, ISSN ONLINE 2068-7430. <http://www.proligno.ro/en/articles/2018/4/POP.pdf>
8. **Timar M.C.**, Beldean E., Varodi A.M., Muscu I., (2017) Old wood recovered from constructions – from scientific challenge to design opportunities, *Pro Ligno*, vol. 13(4), pp. 437-446, ONLINE ISSN 2069-743, <http://www.proligno.ro/en/articles/2017/4/TIMAR.pdf>
9. Varodi A.M., **Timar M.C.**, Liu X.Y., Cojocariu C., (2017) Effect of natural ageing in indoors conditions on the colour of wood surfaces finished, with natural traditional materials, *Pro Ligno*, vol. 13(4), pp. 331-340, ONLINE ISSN 2069-7430 . <http://www.proligno.ro/ro/articles/2017/4/VARODI.pdf>
10. Olaru V., **Timar M. C.**, Varodi A.M., Vacariu D., Chirtea I., (2017) Restoration of an Italian "Cassone" from 17<sup>th</sup> Century, *Pro Ligno*, vol. 13(4), pp. 429-436, ONLINE ISSN 2069-743, <http://www.proligno.ro/en/articles/2017/4/OLARU.pdf>
11. Beldean, E., **Timar, M.C.**, Porojan, M. (2016): Bamboo – a Challenging Material for Romanian Engineers. Part I. Understanding the Material, *Bulletin of Transilvania University of Brasov*, series II, \_FORESTRY ■ WOOD INDUSTRY ■ AGRICULTURAL FOOD ENGINEERING, ISSN 2065-2135 Vol 9 (58), no.1/ 2016, pp 29-36.  
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### C. Cărți

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### D. Brevete

1. **Brevet 105973 B1 /1990** *Compoziție adezivă pe bază de rășină ureo-formaldehidică cu conținut redus de formol și lignosulfonat de amoniu pentru fabricarea mobilei. Timar M.C. - coautor.*
2. **Brevet 103572/1991** *Compoziție adezivă pe bază de rășină ureo-formaldehidică cu conținut ridicat de formaldehidă liberă și extract alcalin de rășinoase pentru fabricarea PAL-ului. Timar M.C -coautor*
3. **Brevet 103375//1991** *Compoziție adezivă pe bază de rășină ureo-formaldehidică cu conținut redus de formaldehidă și lignosulfonat de calciu pentru fabricarea PAL-ului. Timar M.C -coautor*
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5. **Brevet 113997 B1/1998** *Coloranți vegetali polifenolici pentru lemn. Timar M.C –coautor*

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29.01.2024

Semnătura: