

CRISTINA CARȘOTE



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Naționalitatea română

Researchgate https://www.researchgate.net/profile/Cristina-Carsote?ev=hdr_xprf

EXPERIENȚĂ PROFESIONALĂ

- 2024 – prezent** *conservator IA, Muzeul Național de Istorie a României/
Centrul de Cercetări și Investigații Fizico-Chimice și Biologice - Secția Restaurare*
- 2017 – 2024** *cercetător științific III, Muzeul Național de Istorie a României/
Centrul de Cercetări și Investigații Fizico-Chimice și Biologice*
- 2010 – 2017** *chimist principal, Muzeul Național de Istorie a României/
Centrul de Cercetări și Investigații Fizico-Chimice și Biologice*
- 2008 – 2010** *chimist, Institutul Național de Cercetare în Domeniul Conservării și Restaurării*
- 2006 – 2008** *chimist, Institutul Național de Cercetare – Dezvoltare pentru Textile și Pielărie/ Sucursala Institutul de
Cercetare Pielărie Încălțăminte*
- din 2020:** *formator, în cadrul cursurilor “Restaurator bunuri culturale” și “Conservator bunuri culturale”
organizate la Institutul Național pentru Cercetare și Formare Culturală*
- din 2022:** *cadru didactic asociat, Universitatea de Arte și Design Cluj Napoca,
Departamentul “Conservare-Restaurare”, Cursuri: “Chimia operei de artă” și
“Investigații fizico-chimice ale operei de artă”*

EDUCAȚIE ȘI FORMARE

- 2011 – 2017** Studii doctorale, Facultatea de Chimie - Universitatea din București
(Titlu teza: *Evaluarea deteriorării pielilor și pergamentelor istorice*)
- 2004 - 2006** Master: *Biosenzori*, Facultatea de Chimie - Universitatea din București
- 1995 - 1999** Licență: Chimie Analitică, Facultatea de Chimie - Universitatea din București
- Stagii de specializare:**
- 2014** *Utilizarea micro calorimetriei diferențiale dinamice (micro DSC) în studiul
materialelor colagenice din obiecte de patrimoniu, Polytechnic University of Turin, Italia.*
- 2013** *Utilizarea tehnicii UV-Vis-NIR în studiul materialelor colagenice din obiecte de patrimoniu,
Centre de Recherche sur la Conservation de Collections, Paris, Franța.*
- 2013** *Utilizarea tehnicilor termogravimetrie cuplată cu spectrometrie de masă (TG-MS) și cromatografie*

de gaze cuplată cu spectrometrie de masă (Py-GS-MS) în studiul materialelor colagenice din obiecte de patrimoniu, Institute of Materials and Environmental Chemistry, Research Centre of Natural Sciences, Hungarian Academy.

2010 *Utilizarea spectrometriei în infraroșu (FTIR-ATR, in situ FTIR) în studiul materialelor colagenice din obiecte de patrimoniu, Institute of Science and Technology in Art – Academy of Fine Arts, Viena, Austria.*

2007 *Utilizarea microscopiei termice (metoda Micro Hot Table) pentru evaluarea stabilității hidrotermice a materialelor colagenice, The Royal Danish Academy of Fine Arts - School of Conservation – Copenhagen, Danemarca.*

2007 *Utilizarea cromatografiei de lichide (HPLC-DAD) în studiul compușilor proteici, Technical University of Denmark, Copenhagen.*

ATESTATE

PROFESIONALE

- *Atestat de Expert conservare - investigații fizico-chimice emis de Ministerul Culturii și Patrimoniului Cultural (435/06.07.2010)*
- *Atestat de Expert accesare fonduri structurale și de coeziune europene emis de Ministerul Educației și Cercetării Științifice (6272/01.03.2016)*

MEMBRU ÎN ASOCIAȚII

PROFESIONALE

- *European Research Centre for Book and Paper Conservation-Restoration, membru în consiliul de administrație*
- *Societatea Română de Chimie (SChR), Secția Chimia Mediului*
- *Asociația Știința și Patrimoniul Cultural în Conexiune (i-CON), membru*
- *International Concil of Museums – ICOM Romania, membru*

MEMBRU ÎN COMITETE DE ORGANIZARE/

ȘTIINȚIFICE

- *Scientific Committee of the International Conference “Advanced Materials and Systems” (ICAMS 2024), 30th – 31st October 2024, Bucharest, Romania*
- *Scientific Committee of the International Conference “Emerging Technology and Innovation in Conservation of Cultural Heritage” (ETICCH 2023), 7th edition with the theme *Costumes and Collections in the Context of Cultural Heritage. Sharing Arts, Crafts and Preservation*, 25th-29th September, Sibiu, Romania*
- *Scientific Committee of the International Conference “Advanced Materials and Systems” (ICAMS 2022), 26th-28th October 2022, Bucharest, Romania*
- *Organizing Committee of the 39th DHA – Dyes in History and Archaeology Online Conference, 15th – 16th October 2020, Complexul National Muzeal ASTRA*
- *Scientific Committee of the International Conference “Advanced Materials and Systems” (ICAMS 2020), 1st – 3rd October 2020, Bucharest, Romania*
- *Organizing Committee of the 6th edition of the International Conference ETICCH Emerging technology and innovation for the conservation of cultural heritage Theme 2019: The Cultural Object: From Investigation to Restauration, 11th – 13th September 2019, Sibiu, Romania*

- Organizing Committee of the 5th International Congress on Chemistry for Cultural Heritage (ChemCH2018), 3rd – 7th July 2018, Bucharest, Romania
- Organizing Committee of the 5th International Seminar and Workshop on Emerging Technology and Innovation for Cultural Heritage (ETICH 2017) with the theme Organic Artefacts: from Research to Exhibition, 13th – 14th September 2017, Sibiu, Romania
- Organizing Committee of the 4th International Seminar and Workshop on Emerging Technology and Innovation for Cultural Heritage, 3rd – 4th November 2016, Bucharest, Romania
- Organizing Committee of the 3rd International Seminar and Workshop on Emerging Technology and Innovation for Cultural Heritage Advanced Technology for Diagnosis, Preservation and Management of Historical and Archaeological Parchment, Leather and Textile Artefacts, 16th – 18th October 2014, Sibiu, Romania
- Organizing Committee of the 2nd International Seminar on Emerging Technology and Innovation for Cultural Heritage: Parchment, Leather and Textiles Collections and Their Environment, Bucuresti, 3rd – 6th September 2013, Bucharest, Romania
- Organizing Committee of the 1st International Seminar and Workshop Cultural Heritage – Emerging Technology and Innovation: Preservation of Parchment, Leather and Textiles, 24th – 26th September 2012, Bucharest, Romania

PROFILUL DE

IDENTIFICARE

- HI 16; 537 citations (ISI Web of knowledge);
- HI 15, 646 citations (Scopus);
- HI 17, 831 citations (Google Scholar);
- HI 17, 743 citations (ResearchGate);
- Web of Science Researcher ID HGB-2025-2022
- Orcid ID: 0000-0002-6137-9961
- Brainmap ID: U-1700-039M-0732

PROIECTE NAȚIONALE

1. *Inovative methods for the preservation of collagen-based artworks* (2017 - 2018), proiect finanțat de UEFISCDI, 168 PED/ 2017 (KOLLART), *membri în echipa de proiect*
2. *Ora de școală la muzeu* (2016), proiect finanțat de Administrația Fondului Cultural Național (AFCN), *membri în echipa de proiect*
3. *Intelligent system for analysis and diagnosis of collagen-based artifacts* (2012 – 2016); proiect finanțat de UEFISCDI, PNII-PT-PCCA 224/2012 (COLLAGE), *membri în echipa de proiect*
4. *Researches on total or partial replacement of the materials with high toxicity used in natural leather processing for environmental protection*, proiect finanțat de Autoritatea Națională pentru Cercetare Științifică (ANCS) - ECOPEL (2007 – 2010), *membri în echipa de proiect*
5. *Durable materials and technologies for leather cultural heritage objects conservation and restoration, to ensure viable cultural heritage at community level-* proiect finanțat de Autoritatea Națională pentru Cercetare Științifică (ANCS), PEL-RESTAURO (2007 – 2010), *membri în echipa de proiect*
6. *Multidisciplinary research to establish the degradation mechanism of parchment historical and cultural documents*, proiect finanțat de Autoritatea Națională pentru Cercetare Științifică (ANCS) - PERGAMO (2006 -2009), *membri în echipa de proiect*
7. *Application of IR spectrometric methods for testing advanced polymer*, proiect Nucleu – INCDTP – ICPI, (2007 – 2008), *coordonator*

PROIECTE

INTERNAȚIONALE



1. COST “Network for forest by-products, charcoal, resin, tar, potash” (EU PoTaRCh) - CA 22155 (2023-2026), membru în echipa de proiect
2. 2021-2023: Erasmus+ KA220-VET-Cooperation partnerships in vocational education and training project SAFECULT, *Manager de calitate*
3. IoT-based system for monitoring museum environment (2021-2024) - Proiect EUREKA nr. 256/2021 (E!13370 MUSEION), membru în echipa de proiect
4. Skills framework development for disaster risk management for European written cultural heritage- SAFECULT (2022-2023) - Erasmus 2021-1-SK01-KA220-VET-000033337, *manager de calitate*
5. Sustainable low-temperature plasma technologies for cleaning historical & archaeological artefacts from natural polymers (2017 – 2019), Proiect EUREKA. E!9975 (SUSPLART) România-Slovacia (Kamea Electronics S.r.o.), membru în echipa de proiect
6. Automatic Damage Assessment System for Cultural Heritage Leathers and Parchments (2012 – 2015); Proiect Eureka E!5837 (ADAS) România-Spania (Curtits Aqualata, S.A, Igualada), *responsabil proiect*
7. Advanced Techniques and Interdisciplinary studies for improved assessment of historical parchment documents (2013 – 2014); proiect bilateral România – Italia, finanțat de UEFISCDI, partener: Dipartimento di Studi Umanistici, Università degli Studi di Torino, *responsabil proiect*
8. A comparative characterization study on naturally and artificially aged leathers by using different techniques (2013 – 2014); proiect bilateral România – Turcia, finanțat de UEFISCDI, partener: Ege University – Izmir, *responsabil proiect*
9. Quantitative assessment of environmental impact on collagen-based materials. research for low-energy climate control in archives and museums (2013 – 2014); proiect bilateral România – Franța, finanțat de UEFISCDI, partener: Centre de Recherche sur la Conservation de Collections, Paris, *responsabil proiect*
10. Resistance to the environmental factors for the natural leathers tanned with various tannins and the determination method of their durability (2013 – 2014); proiect bilateral România – Republica Populară Chineză, finanțat de UEFISCDI, partener: College of Chemistry and Chemical Engineering, Yunnan Normal University, Yunnan, *responsabil proiect*
11. Assessment and mitigation of impact of climate on library and archival heritage: experience, research, innovation (2013 – 2014); proiect bilateral România – Ungaria, finanțat de UEFISCDI, partener: Institute of Materials and Environmental Chemistry, Research Centre of Natural Sciences, Hungarian Academy, *responsabil proiect*
12. Advanced techniques and interdisciplinary studies for improved assessment of historical parchments (ParIS, RO13MO10) - Executive Programme for Scientific and Technological Co-operation between Italy and Romania, *responsabil proiect*
13. Experiments aiming to establish the optimum microclimate conditions for historical parchments preservation (2012 – 2013); proiect bilateral România – Austria, finanțat de UEFISCDI, partener: Institute of Science and Technology in Art – Academy of Fine Arts, Viena, membru în echipa de proiect
14. Study of the environmental impact on leather and parchment in Byzantine and post-Byzantine manuscripts in relation to their preservation and conservation (2011 – 2013); proiect bilateral România – Bulgaria, finanțat de UEFISCDI, partener: Centre for Slavo – Byzantine Studies “Prof. Ivan Dujčev”, Sofia, *responsabil proiect*
15. Environmental influence on collagen based cultural objects of museums (2011 – 2012), proiect bilateral România – Republica Populară Chineză, finanțat de UEFISCDI, partener: National Engineering Laboratory for Clean Technology of Leather Manufacture, Sichuan University, Chendgu, *responsabil proiect*
16. The influence of environmental factors in the conservation of collagen-based museum objects (2009 – 2010); proiect bilateral România – Austria, finanțat de UEFISCDI, partener: Institute of Science and Technology in Art – Academy of Fine Arts, Viena, membru în echipa de proiect

ARTICOLE ISI

1. **Cristina Carsote**, Angela Balzano, Maria Perla Colombini, Rodrigo Coniglio Moskovics; Ilaria Degano, Rene Herrera Diaz, Ioannis Karapanagiotis, Ayben Kilic-Pekgözlü, Jeannette Jacqueline Lucejko, Francisco Javier Yuste Córdoba, Magdalena Zborowska, Florian Zikeli, Elena Badea and Catalina Ionescu, *Identification and Characterization of Tannins in Natural Matrices. A Comprehensive Review*, Critical Review in Analytical Chemistry, 2026, DOI: 10.1080/10408347.2026.2633530
2. I. Quaratesi, V. Ferrara, I. Călinescu, P. Chipurici, I. Popa, **Cristina Carsote** * (corresp. author), P. La Manna, E. Badea, Sustainable vegetable tanning: Ultrasound-assisted tannin extraction of oak bark and analytical approaches to



- collagen–tannin interactions, *International Journal of Biological Macromolecules*, Volume 330, Part 3, 2025, 148194, 10.1016/j.ijbiomac.2025.148194.
- Ilaria Quaratesi, Immacolata Bruno, Antonio Pauciulo, Andrea R. Bartiromo, Elena Badea, **Cristina Carsote**, Placido Neri, Carmen Talotta, Rocco Gliubizzi, Valeria Di Tullio, Noemi Proietti, Antonuccio Cepparrone, Franca Nuti, Vittoria Ferrara, Carmine Gaeta, *Side-chain Poly[2]pseudorotaxanes containing β -cyclodextrin for more sustainable tanning process*, *Polymer Testing* 129 (2023) 108268, <https://doi.org/10.1016/j.polymertesting.2023.108268>
 - Ilaria Quaratesi, Maria Cristina Micu, Erica Rebba, **Cristina Carsote**, Valeria Di Tullio, Noemi Proietti, Rita Porcaro, Elena Badea, *Cleaner Leather Tanning and Post-Tanning Processes Using Oxidized Alginate as Biodegradable Tanning Agent and Nano-Hydroxyapatite as Potential Flame Retardant*, *Polymers* 2023, 15, 4676. <https://doi.org/10.3390/polym15244676>
 - Zoltán Sebestyén, Elena Badea, **Cristina Carsote**, Zsuzsanna Czégény, Tímea Szabó, Bence Babinszki, János Bozi and Emma Jakab, *Characterization of historical leather bookbindings by various thermal methods (TG/MS, Py-GC/MS, and micro-DSC) and FTIR-ATR spectroscopy*, *Journal of Analytical and Applied Pyrolysis*, (2022) doi:<https://doi.org/10.1016/j.jaap.2021.105428>, **(Q1) IF 6.25**
 - Gabriela Vyskočilova, **Cristina Carsote**, Richard Ševčík, Elena Badea, *Burial-induced deterioration in leather: A FTIR-ATR, DSC, TG/DTG, MHT and SEM study*, *Heritage Science* (2022) 10:7, <https://doi.org/10.1186/s40494-021-00638-6>, **(Q1) IF 2.84**
 - Ilaria Quaratesi, Filip Ion-Angi, **Cristina Carsote**, Sebastian-Bogdan Tutunaru, Mihaela-Doina Niculescu, Elena Badea, *Synthesis and Characterization of Alginate-Gelatin Hydrogels with Potential Use in Biomedical Field November 2022*, The 9th International Conference on Advanced Materials and Systems, 26-28 Octombrie 2022, DOI: 10.24264/icams-2022.II.21
 - Cristina Carsote**, Claudiu Sendrea, Cristina Micu, Alina Adams, Elena Badea, *Micro-DSC, FTIR-ATR and NMR-MOUSE study of the dose-dependent effects of gamma irradiation on vegetable-tanned leather*, *Radiation Physics and Chemistry*, 2021, DOI: 10.1016/j.radphyschem.2021.109712, **(Q1) IF 2.77**
 - Federica Cappa, Ilaria Paganoni, **Cristina Carsote**, Elena Badea, Manfred Schreiner, *Studies on the effect of dry-heat ageing on parchment deterioration by vibrational spectroscopy and micro hot table method*, *Polymer degradation and stability* 2020, 182: 109375, **(Q1) IF 4.96**
 - Noemi Proietti, Valeria Di Tullio, **Cristina Carsote**, Elena Badea, *^{13}C Solid State NMR complemented by ATR-FTIR and micro-DSC to study modern collagen based material and historical leather*, *Magnetic Resonance in Chemistry*, 2020;1–20, **(Q2) IF 2.44**
 - Federica Cappa, Ilaria Paganoni, **Cristina Carsote**, Elena Badea, Manfred Schreiner, *Studies on the effects of mixed light-thermal ageing on parchment by vibrational spectroscopy and micro hot table method*, *Heritage Science* (2020) 8:15, <https://doi.org/10.1186/s40494-020-0353-z>, **(Q1) IF 2.84**
 - Elena Badea, **Cristina Carsote**, Emanuel Hadimbu, Claudiu Sendrea, Maria Cristina Lupas, *The effect of halloysite nanotubes dispersions on vegetable-tanned leather thermal stability*, *Heritage Science* (2019) 7:68, <https://doi.org/10.1186/s40494-019-0310-x>, **(Q1) IF 2.84**
 - Cristina Carsote**, Elena Badea, *Micro differential scanning calorimetry and Micro Hot Table method for quantifying deterioration of historical leather*, *Heritage Science* (2019) 7:48, <https://doi.org/10.1186/s40494-019-0292-8>, **(Q1) IF 2.84**
 - Carmen Gaidau, Doru-Gabriel Epure, Cristina Emanuela Enascuta, **Cristina Carsote**, Claudiu Sendrea, Noemi Proietti, Wuyong Chen, Haibin Gu, *Wool keratin total solubilisation for recovery and reintegration – an ecological approach*, *Journal of Cleaner Production* 236 (2019) 117586, **(Q1) IF 11.072**
 - Petru Budrugaec, **Cristina Carsote**, Lucreția Miu, *Application of thermal analysis methods for damage assessment of leather in an old military coat belonging to History Museum of Braşov – Romania*, *Journal of Thermal Analysis and Calorimetry* (2017) 127:765-762, **(Q1) IF 4.755**
 - Elena Badea, Claudiu Sendrea, **Cristina Carsote**, Alina Adams, Bernhard Blümich, Horia Iovu, *Unilateral NMR and thermal microscopy studies of vegetable tanned leather exposed to dehydrothermal treatment and light irradiation*, *Microchemical Journal* (2016) 129:158-165, **(Q1) IF 4.98**
 - Claudiu Sendrea, **Cristina Carsote**, Elena Badea, Alina Adams, Mihaela Niculescu, Horia Iovu, *Non-invasive characterisation of collagen-based materials by NMR-Mouse and ATR-FTIR*, *U.P.B. Sci. Bull., Series B* (2016) 78 (3): 27-38, **(Q4)**
 - Cristina Carsote**, Elena Badea, Lucretia Miu, Giuseppe Della Gatta, *Study of the effect of tannins and animal species on the thermal stability of vegetable leather by differential scanning calorimetry*, *Journal of Thermal Analysis and Calorimetry* (2016) 124:1255-1266, **(Q1) IF 4.755**



19. Zoltán Sebestyén, Zsuzsanna Czégény, Elena Badea, **Cristina Carșote**, Claudiu Sendrea, Eszter Barta-Rajnai, Bozi János, Lucretia Miu, Emma Jakab, *Thermal characterization of new, artificially aged and historical leather and parchment*, Journal of Analytical and Applied Pyrolysis (2015) **115**: 419 – 427, (Q1) **IF 6.25**
20. **Cristina Carșote**, Petru Budrugaec, Roumiana Decheva, Nikifor Stefanov Haralampiev, Lucretia Miu, Elena Badea, *Characterization of a byzantine manuscript by infrared spectroscopy and thermal analysis*, Revue Roumaine de Chimie, (2014), 59 (6-7), 429-436, (Q4) **IF 0.41**
21. Zenovia Moldovan, Florica Ionescu, Laura Alexandrescu, **Cristina Carșote**, *EPDM/HDPE-based thermoplastic vulcanisates studied by physical-mechanical tests and IR spectrometry*, Polymers & Polymer Composites, 18(4), (2010), 189-195, (Q2) **IF 1.84**

ARTICOLE

1. **Cristina Carșote**, Iuliana Stirbu, *The Investigation of a 17th Century Parchment Document, Leather and Footwear Journal* 24 (2024) 4, p. 295-300, <https://doi.org/10.24264/lfj.24.4.X>
2. Dumitrița Daniela Filip, **Cristina Carșote**, Zizi Ileana Baltă, Gheorghina Olariu, Paul Scrobotă, Elena Badea, *Reconstructing the old technique of wooden icon painting in Transylvania (18th – early 19th CENTURY). Insights into the materials and their provenance: cinnabar, orpiment, lead and copper based pigments*, în *Annales Universitatis Apulensis, Series Historica*, 27, I (2024)
3. Dumitrița Daniela Filip, **Cristina Carșote**, Zizi Ileana Baltă, Paul Scrobotă, Elena Badea, *Local Raw Material Sources in the Color Palette of the Transylvanian Icon Painters. The Reproduction of Some Colored Earth Pigments of Local Provenience*, Terra Sebus. Acta Musei Sabesiensis, 15, 2023, ISSN: 2066–9143
4. Dumitrița Daniela Filip, **Cristina Carșote**, Elena Badea, *New insights into the transfer and reception of Russian icons in Transylvania based on the interdisciplinary research of the Ricontrans project*, Revista Museikon - seria Studies, Ed. Mega, Cluj Napoca ISSN: 2601-2200, volum nr. 3/2023, p.45-89.
5. Dumitrița Daniela Filip, **Cristina Carșote**, Elena Badea, *Study of old varnish recipes used by the Transylvanian icon painters. Case study: Reproduction and characterization of varnishes used in 18th-century and early 19-th century icons from Museikon collection*, „Apulum, series Historia&Patrimonium”, 60 (2023), p. 307-327.
6. Dumitrița Daniela Filip, **Cristina Carșote**, Zizi Ileana Baltă, Paul Scrobotă, Elena Badea, *Materie și Icoană. Materiale și tehnica de pictare a icoanelor pe lemn din Transilvania în secolul al XVIII-lea*, în Dumitrița Daniela Filip (ed.) *Materie și Icoană*, Ed. Mega, Cluj Napoca, 2023, p. 11-94.
7. D. D. Filip, E. Badea, **Cristina Carșote**, I. M. Caniola, E. Hadîmbu, S. M. Păunescu, *Conservarea și restaurarea icoanei rusești "Iisus Hristos Atoțîitorul" din colecția Muzeului Național al Unirii Alba Iulia*, pentru proiectul Ricontrans, Revista Apulum, Vol. 59, 331-349 (2022). ISSN: 1013-428X, <https://revista-apulum.ro/>. Series Historia and Patrimonium, LX. CEEOL indexed.
8. **Cristina Carșote**, E. Badea, E. S. Teodor, *Multi-analytical study of the archaeological leather discovered near the medieval Orateia fortress*, Cercetări Arheologice, Vol. 29.1, pag. 185-196, 2022, doi: <https://doi.org/10.46535/ca.29.1.10>
9. **Cristina Carșote**, Elena Badea, *Investigation of the "New Testament", CORONAE (1557)*, Capodopere din patrimoniul Muzeului Național de Istorie a României (2022), p.32-36, ISSN 2971-9208
10. Chiara Senfett, Luca Alessandro Remotti, Katarina Vizárová, Radko Tiño, Elena Badea, **Cristina Carșote**, Pietro Livi, Fabrizio Mozzoni, SAFECULT1 Erasmus+ project and the urgent need to have a European skills framework for disaster risk management in the field of written cultural heritage, Conservation update 2 (2022), p.23-35, DOI: 10.48341/n14f-3a02.
11. **Cristina Carșote**, *Investigarea manuscrisului „Maison Des Princes Kantacusène”, din colecția MNIR, CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României* 2021, ISBN 978-606-622-595-3, p. 31-33
12. **Cristina Carșote**, Cristina Petcu, *Investigarea și Restaurarea unui Hrișov de Secol XVII din colecția Muzeului Național de Istorie a României*, Revista de Restaurare, Conservare, Investigații a Muzeului Național de Istorie a României nr. 1/ 2021, p. 94-102.
13. D. D. Filip, **Cristina Carșote**, E. Badea, E. Hadimbu, I. M. Caniola, S.M. Paunescu, *Revealing the History of the Objects. A Synergy between Restorers and Chemists (RICONTRANS Project Research)*, Museikon - A Journal of Religious Art and Culture | Revue d'art et de culture religieuse nr.5/2021, p. 347-352 ISSN: 2601 – 2200; ISSN-L: 2601 – 2200 <https://journal.museikon.ro/>
14. E. Hadimbu, S.-M. Paunescu, I.-M. Caniola, **C. Carșote**, E. Badea, L. Miu, Stavrofora Macrina Saucinitanu, *Studiul a doua manuscrise din colecția Muzeului Manastirii Dragomirna: Pergamentul, miniaturile, legaturile*, Revista de Restaurare, Conservare



- si Investigatii a Muzeului National de Istorie a Romaniei, Nr.1/Decembrie 2021, p.126-140; ISSN: 2810-4617; ISSN-L: 2810-4617 www.restauraremnir.ro
15. **Cristina Carsote**, Investigarea “Psaltirii Pre Versuri Tocmită”, Dosoftei, CAPODOPERE din Patrimoniul Muzeului National de Istorie a Romaniei (2020), Ed. MNIR, p. 48-51, ISBN 978-973-0-33049-6.
 16. **Cristina Carsote**, Elena Badea, Iulia Caniola, Simona Paunescu, Maria-Cristina Lupas, Claudiu Sendrea, Lucretia Miu, *The Homiliary of Varlaam: Scientific investigation of the leather bookbinding*, Revista de chimie 71 (3), 2020, 51-58.
 17. **Cristina Carsote**, *Investigarea materialelor constituente ale Evangheliei din 1794* În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României, (2019), p. 62-67, ISBN 978-973-0-33049-6.
 18. E. Badea, **C. Carsote**, L. Miu, G. Della Gatta, Damage assessment approaches for collagen-based artefacts – simple and advanced analysis. In “The Cultural Object: From Investigation to Restoration”. Postprint volume of the 6th International Seminar on Chemistry for the Conservation of Cultural Heritage (ETICCH 2019). Eds: E. Badea and A. Bernath. Oscar Print, Bucharest, 2019, p. 7-22. ISBN 978-973-668-503-3
 19. **Cristina Carșote**, Luminița Kövari, Carmen Albu, Emanuel Hadimbu, Elena Badea, Lucreția Miu, Gabriela Dumitrescu, *Bindings of Rare Books from the collections of the Romanian Academy Library - a multidisciplinary study*, Leather and Footwear Journal (2018) 18(4), 307 – 320.
 20. **Cristina Carsote**, Migdonia Georgescu, *Investigarea Cazaniei lui Vaarlam* În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României, (2018), p. 40-42, ISBN 978-973-0-33049-6.
 21. Claudiu Sendrea, **Cristina Carsote**, Mihai Radu, Elena Badea, Lucreția Miu, *The effect of gamma irradiation on shrinkage activity of collagen in vegetable tanned leather*, Revista de Chimie (2017) **68**(7):1535-1538.
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28. **Cristina Carșote**, Andrei Cucos, Elena Badea, Lucretia Miu, Petru Budrugeac, *Combined thermal analysis and ATR-FTIR in the study of historical parchments*, al 25-lea Simpozion Anual de Comunicări Științifice – Eugen Segal, Academia Română – Secția de Științe Chimice, Comisia de Analiză Termică și Calorimetrie, 15 April 2016, Bucharest, Romania.
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30. Claudiu Sendrea, **Cristina Carșote**, Elena Badea, Andrei Cucos, Mihai Radu, Lucreția Miu, Petru Budrugeac, *Thermal analysis, unilateral NMR and ATR-FTIR spectroscopy revealing the effects of gamma radiation on vegetable tanned leather*, al 25-lea Simpozion Anual de Comunicări Științifice – Eugen Segal, Academia Română – Secția de Științe Chimice, Comisia de Analiză Termică și Calorimetrie, 15 April 2016, Bucharest, Romania.
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32. **Cristina Carșote**, Irina Petroviciu, Elena Badea, Lucretia Miu, Horia Iovu, *Primum non nocere – In situ non-invasive diagnosis of historical parchment and leather*, Conferința Națională de Conservare-Restaurare “Doina Darvas” – “PRIMUM NON NOCERE” – Restaurarea patrimoniului față în față cu “vârstele” acestuia, editia a IX-a, 3-5 November 2015, Bucharest, Romania.
33. Elena Badea, **Cristina Carșote**, Irina Petroviciu, Lucretia Miu, Alessandro Vitale Brovarone, Giuseppe Della Gatta, *Archival and library parchments across west and east europe: evenness and oddities*, Conferința Națională de Conservare-Restaurare “Doina Darvas” – “PRIMUM NON NOCERE” – Restaurarea patrimoniului față în față cu “vârstele” acestuia, editia a IX-a, 3-5 November 2015, Bucharest, Romania.
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35. Oana Andreea Miu, **Cristina Carșote**, Elena Badea, Petru Budrugeac, *A new method for the automatic determination of hydrothermal stability (shrinkage activity) of historical collagen-based materials by combined thermal microscopy and image processing techniques*, al 24-lea Simpozion Anual de Comunicări Științifice – Eugen Segal, Academia Română – Secția de Științe Chimice, Comisia de Analiza Termică și Calorimetrie, 13 February 2015, Bucharest, Romania.
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38. Irina Petroviciu, Horia Nicolau, Mihai Lupu, **Cristina Carșote**, Ileana Cretu, *Elaborarea unei arhive computerizate pentru stocarea rezultatelor analitice*, Simpozionul Bucovina – File de istorie, ediția XVI, 27 – 28 November 2014, Suceava, Romania.
39. Irina Petroviciu, Jan Wouters, **Cristina Carșote**, Mihai Lupu, Petru Budrugeac, Lucretia Miu, Wilfred Vetter, Manfred Schreiner, *Investigarea neinvazivă a materialelor organice - între teorie și practică*, Conferința Națională de Conservare-Restaurare “Doina Darvaș” – Realității și soluții ale specialiștilor în domeniul conservării și restaurării patrimoniului din România anului 2014, 4 – 6 November 2014, Bucharest, Romania.
40. Hedy M-Kiss, Elena Badea, **Cristina Carșote**, Lucretia Miu, *Investigarea preliminară a unor artefacte din piele provenite din săpăturile arheologice din Cetatea Timișoara*, Conferința Națională de Conservare-Restaurare “Doina Darvaș” – Realității și soluții ale specialiștilor în domeniul conservării și restaurării patrimoniului din România anului 2014, 4 – 6 November, Bucharest, Romania.
41. **Cristina Carșote**, Petru Budrugeac, Irina Petroviciu, Lucretia Miu, Elena Badea, *Leather characterization by thermal analysis for improved microclimate conditions*, al 23-lea Simpozion Anual de Comunicări Științifice, Academia Română – Secția de Științe Chimice, Comisia de Analiza Termică și Calorimetrie, 14 February 2014, Bucharest, Romania.
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43. Irina Petroviciu, Jan Wouters, **Cristina Carșote**, Petru Budrugeac, Lucretia Miu, Wilfred Vetter, Manfred Schreiner, *Investigarea nedistructivă a materialelor organice - între teorie și realitate*, simpozion ARHEOMET 5, 22 – 23 March 2012, Bucharest, Romania.
44. **Cristina Carșote**, Petru Budrugeac, Elena Badea, Irina Petroviciu, Lucretia Miu, Giuseppe Della Gatta, *Comparison between artificially and naturally aged leathers. A MHT and DSC study*, al 22-lea Simpozion Anual de Comunicări Științifice, Academia Română – Secția de Științe Chimice, Comisia de Analiza Termică și Calorimetrie, 15 February 2013, Bucharest, Romania.
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46. **Cristina Carșote**, Petru Budrugeac, Lucretia Miu, Elena Badea, Doina Maria Creangă, *Studiu preliminar asupra îmbătrânirii artificiale a pieilor tăbăcite vegetale*, Simpozionul Bucovina – File de istorie (ediția XIV), 23 – 25 November 2012, Suceava, Romania.
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49. **Cristina Carșote**, Doina Maria Creanga, Lucretia Miu, W. Yang, Wuyong Chen, *Aspects regarding microscopic and molecular degradation level of archaeological leather samples from Sucevita Monastery*, Simpozionul Bucovina File de istorie, Ediția XIII, 27 – 29 November 2011, Suceava, Romania.
50. Doina Maria Creangă, **Cristina Carșote**, Lucretia Miu, Maria Giurginca, *Preliminary study of 18-th century leather from Botosani archaeological site*, First ARHEOINVEST Congress, Interdisciplinary Research in Archaeology, 10-11 June 2011, Iași, Romania.
51. Elena Badea, Lucretia Miu, Anna Kuryшева, **Cristina Carșote**, Giuseppe Della Gatta, *Thermal stability of collagen-based historical materials: a combined DSC and MHT study*, al 20-lea Simpozion Anual de Comunicări Științifice, Academia Română – Secția de Științe Chimice, Comisia de Analiza Termică și Calorimetrie, 11 February 2011, Bucharest, Romania.
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53. Lucretia Miu, Ciprian Chelaru, Petru Budrugeac, Maria Giurginca, **Cristina Carșote**, Victoria Plavan, *Physical Chemical Methods for Characterization of Archaeological Leather from Durbe Burial Site*, Simpozionul Național de Arheometrie, 28 – 29 October 2010, Bucharest, Romania.
54. **Cristina Carșote**, Wilfred Vetter, Irina Petroviciu, Lucretia Miu, Manfred Schreiner, *Characterization of Parchments -*



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57. Elena Badea, Lucretia Miu, Petru Budrugaec, Maria Giurginca, Anna Braghieri, **Cristina Carșote**, Giuseppe Della Gatta, *From Visual Assessment of Damage to advanced Physical-Chemical Investigations. A History of Preservation: the Parchment Bookbindings (Collection V) in the Historical Archives of the City of Torino*, National Military Museum Symposium (Cultural Heritage of leather and parchment - the modern approach to characterization, conservation and/ or restoration), 10-11 September 2007, București, Romania.
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PREZENTĂRI LA CONFERINȚE

INTERNAȚIONALE

1. **Cristina Carșote**, Ilaria Quaratesi, Ioan Calinescu, Petre Chipurici, Ioana Popa, Cătălina Ionescu, Iasmina Maria Moza, Emanuela Carmen Beldean, Elena Badea, *Ultrasound-Assisted Tannin Recovery for Forest Bioeconomy and Sustainable Tanning*, Conference COST “Network for forest by-products, charcoal, resin, tar, potash” (EU PoTaRCh) - CA 22155, 16-19 februarie 2026, Brasov, Romania.
2. E. Badea, I. Quaratesi, I. Călinescu, P. Chipurici, **Cristina Carșote**, C. Ionescu, I. Popa, *Valorising oak bark: scalable ultrasound-assisted polyphenol extraction for biodegradable leather*, 16th International Symposium on Exergy, Energy and Environment – IEEEES 2025, Craiova, 14-18 December 2025, Craiova, Romania.
3. M.Odlyha, E.Badea, C.Pearce, A.Basarab, G. Burca, **Cristina Carșote**, N.Proietti, V. Di Tullio and L. Bozec, *Controlled environment neutron radiography of vegetable tanned leather treated with nano-based preparations*, ICOM CC Leather and Related Materials Group 13th Interim Meeting: Leather Conservation for Today, De Montfort University, Leicester, UK, 30-31 Oct 2025.
4. Z. Sebestyén, I. S. Czirok, E. Badea, **Cristina Carșote**, B. Babinszki, E. Jakab, S. Tömösközi, Z. Czégény, *Thermal conversion and characterization of tanned leather*, 4th Journal of Thermal Analysis and Calorimetry Conference & 10th V4 (Joint Czech-Hungarian-Polish-Slovak) Thermoanalytical Conference 24–27 June 2025, Budapest, Hungary
5. **Cristina Carșote**, *The role of analytical techniques in the preservation of historical leather and parchment*, workshopul „In the world of old printed books – technology and preservation”, organizat la Center of Slavic-Byzantine Studies „Ivan Duychev” din Sofia, în perioada 9-13 iunie 2025
6. Elena Badea, **Cristina Carșote**, Noemi Proietti, Valeria Di Tullio, Marianne Odlyha, Chloe Pearce, Ilaria Quaratesi, Geneveva Burca, Stefan Michalik, *Controlled Environment Neutron Radiography of Moisture Sorption/Desorption in Gilt Leather. The Tough Life Of Corami Wall Coverings From Chigi Palace, Italy.*, TECHNART 2025, 6th – 9th mai 2025, Perugia, Italy
7. **Cristina Carșote**, Elena Badea, Marianne Odlyha, Chloe Pearce, Geneveva Burca, *Halloysite Nanotubes' Environmentally Beneficial Potential as Green Conservation Material for Leather*, TECHNART 2025, 6th – 9th mai 2025, Perugia, Italy
8. **Cristina Carșote**, *The Investigation of a 17th Century Parchment Document*, The 10th International Conference on Advanced Materials and Systems ICAMS 2024, Bucharest, Romania, 30th-31st October, 2024.
9. Elena Badea, **Cristina Carșote**, Noemi Proietti, Valeria Di Tullio, Marianne Odlyha, Chloe Pearce, Ilaria Quaratesi, Geneveva Burca, Stefan Michalik, Bogdan-Florin Rusu, *Multi-Scale Multi-Technique Characterization Approach to*



reveal the secrets of corami (gilt and painted leather) wall coverings from Chigi Palace, Italy; 7th International Congress Chemistry for Cultural Heritage - CHEM-CH 2024, Bratislava, 2nd - 5th July 2024

10. Elena Badea, **Cristina Carsote**, Marianne Odlyha, Chloe Pearce, Genoveva Burca, Bogdan-Florin Rusu, *Neutron radiography of Moisture Sorption/Desorption in Halloysite Nanotube-Treated (New and Historical) Leather in a Controlled Environment*; 7th International Congress Chemistry for Cultural Heritage - CHEM-CH 2024, Bratislava, 2-5 July 2024
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13. Dumbravă Elisa, Quaratesi Ilaria, **Carsote Cristina**, Miu Lucretia, Badea Elena, Could Micro Hot Table (MHT) method provide reliable preliminary information on archaeological leather, Conference Emerging Technology and Innovation for the Conservation of Cultural Heritage ETICCH 2023 Symposium „Costumes and Collections in the Context of Cultural Heritage. Sharing ART, CRAFTS and PRESERVATION. ETICCH”, Sibiu, Romania, 26-29 September 2023.
14. Ilaria Quaratesi, Ferrara V., Dumbravă Elisa, Popa I., **Carsote Cristina**, Chipurici P., Calinescu I., Badea Elena, Vegetable tannins from forest residues for the rejuvenation of historical/archeological leather, Conference Emerging Technology and Innovation for the Conservation of Cultural Heritage ETICCH 2023 Symposium „Costumes and Collections in the Context of Cultural Heritage. Sharing ART, CRAFTS and PRESERVATION. ETICCH”, Sibiu, Romania, 26-29 September 2023.
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16. Dumitrița Daniela Filip, **Cristina Carsote**, Zizi Ileana Baltă, Elena Badea, Materials and painting techniques. A comparative study of Transylvania and Russian mass produced icons Museikon collection, Conference Emerging Technology and Innovation for the Conservation of Cultural Heritage ETICCH 2023 Symposium „Costumes and Collections in the Context of Cultural Heritage. Sharing ART, CRAFTS and PRESERVATION. ETICCH”, Sibiu, Romania, 26-29 September 2023.
17. Dumitrița Daniela Filip, **Cristina Carsote**, Elena Badea, New Insights into the Phenomenon of the Transfer and Reception of Russian Icons in Transylvania from Interdisciplinary Research within the RICONTRANS Project. A Conservation-Restoration Perspective, RICONTRANS WORKSHOP Religious art, visual culture and collective identities in Central and South-Eastern Europe (16th - early 20th century), Alba Iulia, Romania, 23-25 June 2023.
18. Dumitrița Daniela Filip, **Cristina Carsote**, Elena Badea, Reconstructing the Old Technique of Wooden Icon Painting in Transylvania (18th-19th centuries). Insights into the Materials and their Provenance, RICONTRANS WORKSHOP Religious art, visual culture and collective identities in Central and South-Eastern Europe (16th - early 20th century), Alba Iulia, Romania, 23-25 June 2023.
19. Dumitrița Daniela Filip, **Cristina Carsote**, Zizi Ileana Baltă, Elena Badea, „Old Recipes and New Green Strategies: Mineral Resources and Icon Painting Technique in Transylvania”, 5th International Conference YOCOCU (Youth in Conservation of Cultural Heritage) Green Conservation of Cultural Heritage, ed. a V-a, 4-5 May 2023, organizată de YOCOCU (YOUTH in CONSERVATION for Cultural Heritage, Rome) în colaborare cu Muzeul de Artă Timișoara.
20. Dumitrița Daniela Filip, **Cristina Carsote**, Zizi Ileana Baltă, Elena Badea, „Did the 18th century Transylvanian Icon Painters follow the Technical Instructions Described in the Hermeneias?”. International Conference „Science and Reality”, 20 May 2023, organizată de University of East Sarajevo, Pale Faculty of Philosophy, Pale - Sarajevo, Bosnia și Herțegovina.
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22. I. Quaratesi, **C. Carsote**, L. Miu, M. Niculescu, E. Badea, Green materials for the conservation and restoration of parchment and leather artefacts, 18th International Conference on Chemistry and the Environment (ICCE 2023), 11-15 June, Venice, Italy.

23. **Cristina Carșote**, Elena Badea, Dumitrita Daniela Filip, Nicoleta Cioatera, Comparative study of two sets of icons from Museikon Museum (Romania) for identifying evidences of Russian Religious Art Transfer in Transylvania, TECHNART 2023 "International conference on analytical techniques in art and cultural heritage", 7-12 May 2023, Lisbon, Portugal
24. Elena Badea, **Cristina Carșote**, Irina Petroviciu, Ilaria Quaratesi, Noemi Proietti, Valeria di Tullio, Study of a Collection of Chancelery Documents of 600-year-old, TECHNART 2023 "International conference on analytical techniques in art and cultural heritage", 7-12 May 2023, Lisbon, Portugal
25. Noemi Proietti, Valeria di Tullio, **Cristina Carșote**, Ilaria Quaratesi, Elena Badea, NMR spectroscopy and micro-analytical techniques for studying the corami (gilt and painted leather) wall coverings from Chigi Palace, Italy, TECHNART 2023 "International conference on analytical techniques in art and cultural heritage", 7-12 May 2023, Lisbon, Portugal
26. Mihaela Doina Niculescu, Lucretia Miu, Emanuel Vacalie, **Cristina Carșote**, Multi-Analytical Evaluation of Glues Obtained from Various Types of Hides and Skins, TECHNART 2023 "International conference on analytical techniques in art and cultural heritage", 7-12 May 2023, Lisbon, Portugal
27. J. Kodrič, E. Badea, C. Benvestito, **Cristina Carșote**, E. Hadimbu, A. Pataki-Hundt, Are old conservation treatments the new challenges? The case of St. Mark's books. International Seminar „Care and Conservation of Manuscripts 19”, University of Copenhagen, 19-21 April 2023
28. **Cristina Carșote**, Elena Badea, Dumitrița D. Filip, Ana Dumitran, Wooden icons in Transylvania in the XVIII-XIX century - art transfer and reception as revealed by materials, "Conference on Conservation Science, Technology and Industry (CSTI 2023)", Bratislava, Slovakia, 21 - 23 March 2023 (invited speaker)
29. Elena Badea, **Cristina Carșote**, Cristina Balaceanu, Oana Orza, Sabina Bosoc, Robert Streche, George Suciuc, Zóra Barta, Valéria Tálai, Zsolt Viniczay, Understanding and controlling the environmental quality in museums through conservation science and IoT. The results of MUSEION Eureka project E!13370, "Conference on Conservation Science, Technology and Industry (CSTI 2023)", Bratislava, Slovakia, 21 - 23 March 2023
30. Ilaria Quaratesi, Elena Badea, Lucretia Miu, **Cristina Carșote**, Green Leather, Parchment and Conservation Products for Archives, Libraries and Museums, "Conference on Conservation Science, Technology and Industry (CSTI 2023)", Bratislava, Slovakia, 21 - 23 March 2023
31. K. Vizárová, R. Tiňo, C. Senfett, E. Badea, **C. Carșote**, L. A. Remotti, SAFECULT: Skills framework development for disaster risk management for European libraries, archives, and museums, al 6-lea Congres International CHEM-CH - „Chemistry for Cultural Heritage ”2022, 4-8 iulie 2022, Ravenna, Italia
32. Claudia Benvestito, Jarmila Kodrič, Elena Badea, **Cristina Carșote**, Emanuel Hadimbu, Andrea Pataki- Hund, *Are Old Conservation Treatments the New Challenges? The Case of St. Mark's Books*, 50th AIC Annual Meeting in Los Angeles, CA - May 15-17 2022
33. E. Badea, **C. Carșote**, E. Hadimbu, C. Benvestito, J. Kodrič, Restoring a restored manuscript: old challenges and new approaches. The Case of St. Mark's Books, al 6-lea Congres International CHEM-CH - „Chemistry for Cultural Heritage ”2022, 4-8 iulie 2022, Ravenna, Italia
34. E. Badea, **C. Carșote**, D. D. Filip, E.I Hadimbu, I. M. Caniola, S. M. Păunescu, The Russian Icons' Collection of Museikon: A Study of Materials and Techniques for Understanding the Process of Transfer and Reception of Russian Religious Art in Transylvania, al 6-lea Congres International CHEM-CH - „Chemistry for Cultural Heritage ”2022, 4-8 iulie 2022, Ravenna, Italia
35. **Cristina Carșote**, Elena Badea, Maria Iulia Caniola, Emanuel Hadimbu, Simona Maria Paunescu, Noemi Proietti, Valeria Di Tullio, Zoltán Sebestyén, Zsuzsanna Czégény, *Leather and Parchment Preservation - The Power Behind Coupling of Analytical Methods and Data Fusion*, al 6-lea Congres International CHEM-CH - „Chemistry for Cultural Heritage ”2022, 4-8 iulie 2022, Ravenna, Italia
36. Ilaria Quaratesi, Filip Ion-Angi, **Cristina Carșote**, Sebastian-Bogdan Tutunaru, Mihaela-Doina Niculescu, Elena Badea, *Synthesis and Characterization of Alginate-Gelatin Hydrogels with Potential Use in Biomedical Field*, The 9th International Conference on Advanced Materials and Systems, 26-28 October 2022, Bucharest
37. **Cristina Carșote**, Elena Badea, Noemi Proietti, Valeria Di Tullio, Sebestyén Zoltan, Zsuzanna Czegeny, *Leather and Parchment Making and Their Preservation over Millennia – Enhanced Data by Analytical Methods Coupling*, The 9th International Conference on Advanced Materials and Systems, 26-28 October 2022, Bucharest
38. **Cristina Carșote**, *Key Risk Indicators (KRI) Concept and Indoor Air Quality Index (IAQ index) Calculation*, prezentare în cadrul Workshopului Museion IOT-Based System for Understanding and Controlling the Environmental Quality in Museums, The 9th International Conference on Advanced Materials and Systems, 26-28 October 2022, Bucharest



39. Dumitrita Filip, **Cristina Carsote**, Elena Badea, *Eternal life and deadly colors. A survey of the materials used in the Transylvanian icon painting and on their symbolism*, The Institute for Studies in Eastern Christianity (ISEC) of Union Theological Seminary in the City of New York - ISEC 2022 Conference: Death, Dying and the End of Life, 16 december 2022, New York
40. I.S. Czirok, Z. Sebestyén, E. Jakab, E. Badea, B. Babinszki, **C. Carsote**, S. Tömösközi, Z. May, Z. Czégény, *Thermal characterization of leathers tanned by metal salts and vegetable tannins*, 11th International Symposium On Feedstock Recycling Of Polymeric Materials 2022 - "Into Sustainability And The Future Of Recycling", Pattaya City, Chonburi, Thailand, 29 November – 2 December 2022
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123. Elena Badea, **Cristina Carșote**, Oana Miu, Giuseppe Della Gatta, *Damage assessment for collagen-based artefacts simple and advanced analysis*, Book and Paper Conservation: Horn II conference - From Microorganisms to mega-organisms, 23 – 25 April 2014, Horn, Austria.
124. **Cristina Carșote**, Petru Budrugeac, Elena Badea, Irina Petroviciu, Lucretia Miu, Giuseppe Della Gatta, *A study of artificially and naturally aged leather by using thermal analysis*, Cultural Heritage Conservation Science: Experience, Research, Innovation, organised by Centre de Recherche sur la Conservation de Collections (CRCC), 23-26 October 2013, Paris, France.
125. Elena Badea, **Cristina Carșote**, Lucretia Miu, Irina Petroviciu, Daniela Ichim, Giuseppe Della Gatta, *Identification of environmentally sensitive archival and library parchment for low energy environmental control in storage*, Cultural Heritage Conservation Science: Experience, Research, Innovation, organised by Centre de Recherche sur la Conservation de Collections (CRCC), 23-26 October 2013, Paris, France.
126. Wilfred Vetter, **Cristina Carșote**, *Parchment and leather contactless analysis using the portable FTIR ALPHA*, The 2nd International Seminar on Emerging Technology and Innovation for Cultural Heritage: Parchment, Leather and Textiles Collections and Their Environment, 3-6 September 2013, Bucharest, Romania.
127. Manfred Schreiner, Wilfred Vetter, Irina Petroviciu, **Cristina Carșote**, Lucretia Miu, *The characterisation of parchment and inks by non-invasive analysis*, The 2nd International Seminar on Emerging Technology and Innovation for Cultural Heritage: Parchment, Leather and Textiles Collections and Their Environment, 3-6 September 2013, Bucharest, Romania.
128. **Cristina Carșote**, Petru Budrugeac, Roumiana Decheva, Nikifor Stefanov Haralampiev, Elena Badea, Lucretia Miu, *Characterization of a Byzantine manuscript by DSC, thermal microscopy and FTIR*, 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry, CEEC-TAC2, 27 – 30 August 2013, Vilnius, Lithuania.
129. **Cristina Carșote**, Lucretia Miu, Irina Petroviciu, Elena Badea, Petru Budrugeac, *Comparison between artificial and environmental ageing of vegetable tanned leather by thermal analysis and vibrational spectroscopy*, MEDICTA 2013 - 11th Mediterranean Conference on Calorimetry and Thermal Analysis, 12 – 15 June 2013, Atena, Grece.
130. Elena Badea, Lucretia Miu, **Cristina Carșote**, Petru Budrugeac, Giuseppe Della Gatta, *Differential scanning calorimetry for the characterisation of parchment and vegetable tanned leather*, IULCTS 2013 Congress, 29– 31 May 2013, Istanbul, Turkey.
131. Lucretia Miu, Elena Badea, **Cristina Carșote**, Fatih Yalçın, Huseyin Ata Karavana, *Study of environmental impact on vegetable tanned leather by Micro Hot Table (MHT) method*, IULCTS 2013 Congress, 29– 31 May 2013, Istanbul, Turkey.



132. Elena Badea, Irina Petroviciu, **Cristina Carsote**, Lucretia Miu, Wilfred Vetter, Manfred Schreiner, Giuseppe Della Gatta, *Studio dell'effetto di temperatura e umidità relative sulla struttura e le proprietà della pergamena, e relazione con il deterioramento a lungo termine delle pergamene storiche*, X Congresso Nazionale IGIIC – Lo Stato dell'Arte – Musei Vaticani, 22-24 November 2012, Italy.
133. Irina Petroviciu, **Cristina Carsote**, Zizi Ileana Balta, Gheorghe Niculescu., Mihau Lupu, Elena Badea, Doina Maria Creanga, *Materials in Romanian historical parchment documents: dyes, pigments and inks*, Dyes in History and Archaeology DHA31, 17 - 19 October 2012, Antwerp, Belgium.
134. Petru Budrugaec, Lucretia Miu, Andrei Cucos, **Cristina Carsote**, *DSC analysis of historical leathers and parchments in water excess and dry conditions for damage assessment and certification*, 1st International Seminar and Workshop Emerging Technology and Innovation for Cultural Heritage – Preservation of Parchment, Leather and Textiles, 24 -26 September 2012, Bucharest, Romania.
135. **Cristina Carsote**, Oana Miu, *Damage ranking of collagen artefacts by Micro Hot Table (MHT) Method*, 1st International Seminar and Workshop Emerging Technology and Innovation for Cultural Heritage – Preservation of Parchment, Leather and Textiles, 24 -26 September 2012, Bucharest, Romania.
136. Elena Badea, **Cristina Carsote**, Wilfred Vetter, Irina Petroviciu, Lucretia Miu, Manfred Schreiner, Giuseppe Della Gatta, *How Parchment Responds to Temperature and Relative Humidity: A Combined micro-DSC, MHT, SEM and FTIR Study*, The 4th International Conference on Advanced Materials and Systems (ICAMS 2012), 27 -29 September 2012, Bucharest, Romania.
137. Elena Badea, Anna Kurysheva, Wilfred Vetter, Irina Petroviciu, **Cristina Carsote**, Lucretia Miu, Manfred Schreiner, Giuseppe Della Gatta, *How collagen-based materials respond to temperature and relative humidity: a combined DSC, SEM and FTIR study*, 10th International Conference, Indoor Air Quality in Heritage and Historic Environments "Standards and Guidelines" University College London, Centre for Sustainable Heritage, 17-20 June, 2012, London, UK.
138. Lucretia Miu, Maria Giurginca, Ioana Lacatusu, **Cristina Carsote**, Nicoleta Badea, *Assessing the degradation degree of some ethnographic leathers by molecular spectroscopy techniques*, Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 17, 7-10 September 2011, Sinaia, Romania.
139. **Cristina Carsote**, Irina Petroviciu, Lucretia Miu, *Evaluation of historical parchments degradation by using FTIR and MHT*, Primul workshop national "Application of modern analytical methods to investigate the cultural heritage degradation", organizat de Institutul Geologic al Romaniei in colaborare cu Ecole Nationale Supérieure des Mines de Saint Etienne (Franta) si RMEI (Reseau Mediteraneen des Ecoles d'Ingenieurs), 27 – 29 November 2011, Bucharest, Romania.
140. **Cristina Carsote**, Lucretia Miu, Irina Petroviciu, Roumiana Decheva, Ioana Bogdanova, Wilfred Vetter, Manfred Schreiner, *Aspects regarding macroscopic, microscopic and molecular level damage of a Byzantine manuscript parchment*, Matter and materials in/for Heritage Conservation, 24 – 28 August 2011, Craiova, Romania.
141. **Cristina Carsote**, Irina Petroviciu, Lucretia Miu, Maria Giurginca, Cristina Petcu, *Scientific investigation of leather in a 17th c. Four Gospel by FTIR and MHT*, European Symposium on Religious Art Restoration and Conservation (ESRARC 2010) 26-28 May 2010, Iași, Romania.
142. Irina Petroviciu, Maria Giurginca, **Cristina Carsote**, Lucretia Miu, *Spectral investigation of new, aged and historical collagen-based materials*, Matter and materials in/for Heritage Conservation, 15-19 September 2009, Craiova, Romania.
143. Anna Lohin, Simona Apostol, **Cristina Carsote**, *Cleaner Production" - a Sustainable Strategy for Actual Economic Crisis*, the second International Conference "Environmental Performance in a Competitive Economy" (PEEC), 12 November 2009, București, Romania.
144. Maria Giurginca, Irina Petroviciu, Lucretia Miu, Nicoleta Badea, Gheorghe Niculescu, **Cristina Carsote**, Zizi Ileana Balta, *Spectral Investigation of romanian historical parchments*, International Seminar and Workshop *Conservation and Restoration of Parchments*, 3-5 September 2008, Torino, Italy.
145. Alexandrina Olariu, Antoanela Cotet, Irina Petroviciu, **Cristina Carsote**, *The restoration of a parchment book cover*, International Seminar and Workshop *Conservation and Restoration of Parchments*, 3-5 September 2008, Torino, Italy.
146. Laura Alexandrescu, Florica Ionescu, **Cristina Carsote**, Zenovia Moldovan, *New polymer blends intended to be used in non-asbestos fireproof coverings for protection and thermal insulation*, 9th European Symposium - Polymer Blends, 9-12 September 2007, Palermo, Italy.
147. Florica Ionescu, Laura Alexandrescu, **Cristina Carsote**, *Relationship between the structure of microcrosslinked*, S. Vișan, V. Ciobotaru, Zenovia Moldovan, 9th European Symposium - Polymer Blends, 9-12 September, 2007, Palermo, Italy.
148. Lucretia Miu, Petru Budrugaec, Maria Giurginca, Irina Petroviciu, **Cristina Carsote**, *Evaluation of Parchment Degradation*



by *Advanced Physico-Chemical Investigation Techniques*, Interim conference organized by the ICOM-POLAND Committee and the ICOM-Conservation Committee Leather Working Group, Textile Working Group, and the Wood, Furniture, and Lacquer Working Group in concert with the National Museum in Krakow, 13-18 May 2007, Poland.

149. Lucretia Miu, **Cristina Carsote**, Cecilia Laurora, *Application of Thermal Analysis Methods for Investigation of Environmental Deterioration of Parchments that are Supports of Cultural and Historical Objects*, 2ndPartener Meeting “Piemont Region O.P.E.R.A. Project” (Old Parchment: Evaluating Restoration and Analysis), 13 November 2006, Torino, Italy.

COMPETENȚE PERSONALE

Limba maternă Română

Limba Engleză

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Conversațional	Discurs	
Utilizator experimentat	Utilizator experimentat	Utilizator independent	Utilizator independent	Utilizator independent

Competențe manageriale Competențe manageriale dobândite în cadrul proiectelor derulate: capacitate de analiză, concepție, planificare, implementare și gestionare a resurselor umane și materiale

Competențe și abilități sociale Comunicare eficientă, abilitatea de a gestiona situații dificile și conflicte, abilitatea de a menține relații sănătoase, de a le gestiona într-un mod constructiv, responsabilitate și creativitate

Competențe dobândite la locul de muncă Cercetarea materialelor organice și anorganice din bunuri de patrimoniu de interes național și universal, cu accent pe cercetarea patrimoniului pe suport colagenic (piele și pergament) și celulozic. Studiile se bazează pe utilizarea de tehnici analitice specifice precum: microscopia optică (MO), spectrometria vibrațională (FTIR-ATR, FTIR – transmisie, FTIR – reflexie, Raman, în laborator și in situ), calorimetria diferențială dinamică (DSC, micro DSC), termogravimetrie (TG), microscopia termică (metoda Micro Hot Table) etc.

Competențe informatice Microsoft Office (Word, Excel, Access, Power Point), Origin, Opus

