

CURRICULUM VITAE

INFORMAȚII PERSONALE:

Nume și prenume: CARȘOTE CRISTINA

Data nașterii: 30 iunie 1977

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EDUCAȚIE ȘI FORMARE:

2011 – 2017 Studii doctorale, Facultatea de Chimie - Universitatea din București
(Teza: *Evaluarea deteriorării pieilor 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)

EXPERIENȚĂ PROFESIONALĂ:

2017 – prezent *cercetător științific III*, Muzeul Național de Istorie a României/
Centrul de Cercetări și Investigații Fizico-Chimice și Biologice

2010 – 2017 *chimist*, Muzeul Național de Istorie a României/
Centrul de Cercetări și Investigații Fizico-Chimice și Biologice

2008 – 2010 *chimist*, Institutul National de Cercetare în Domeniul Conservării și Restaurării

2006 – 2008 *chimist*, Institutul National de Cercetare – Dezvoltare pentru Textile și Pielărie/
Sucursala Institutul de Cercetare Pielărie Încălțăminte

Activitatea curentă se referă la cercetarea materialelor organice 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.

Din 2019: *formator* la Institutul Național pentru Cercetare și Formare Culturală
Curs: *Metode fizico-chimice pentru investigarea bunurilor culturale;*
(Conservator opere de artă și monumente istorice și Restaurator bunuri culturale)

MEMBRU ÎN ASOCIAȚII PROFESIONALE:

- Asociația Știința și Patrimoniul Cultural în Conexiune (i-CON), membru fondator
- Societatea Română de Chimie (SChR), Secția Chimia pentru Patrimonial Cultural, Vicepreședinte

PARTICIPARE ÎN PROIECTE NAȚIONALE DE CERCETARE:

- *Inovative methods for the preservation of collagen-based artworks* (2017 - 2018), proiect finanțat de UEFISCDI, 168 PED/ 2017 (KOLLART), membru în echipa de proiect.
- *Ora de școală la muzeu* (2016); proiect finanțat de Administrația Fondului Cultural Național (AFCN); membru în echipa de proiect.
- *Intelligent system for analysis and diagnosis of collagen-based artifacts* (2012 – 2016); proiect finanțat de UEFISCDI, PNII-PT-PCCA 224/2012 (*COLLAGE*); membru în echipa de proiect.
- *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); membru în echipa de proiect.
- *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); membru în echipa de proiect.
- *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); membru în echipa de proiect.
- *Application of IR spectrometric methods for testing advanced polymer*, proiect Nucleu – INCDTP - ICPI, coordonator (2007 – 2008).

PARTICIPARE ÎN PROIECTE INTERNAȚIONALE DE CERCETARE:

- *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.
- *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 din partea MNIR.
- *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 din partea MNIR.

- *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 din partea MNIR.
- *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 din partea MNIR.
- *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 din partea MNIR.
- *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 din partea MNIR.
- 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 din partea MNIR.
- *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.
- *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 din partea MNIR.
- *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 Letaher Manufacture, Sichuan University, Chendgu; responsabil proiect din partea MNIR.
- *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.

MEMBRU IN COMITETUL DE ORGANIZARE AL CONFERINTELOR ȘTIINȚIFICE:

- 39th DHA – Dyes in History and Archaeology Online Conference, 15 – 16 October 2020, Complexul National Muzeal ASTRA
- 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 Restoration, 11 – 13 September 2019, Sibiu, Romania
- 5th International Congress on Chemistry for Cultural Heritage (ChemCH2018), 3 – 7 July 2018, Bucharest, Romania
- 5th International Seminar and Workshop on Emerging Technology and Innovation for Cultural Heritage (ETICH 2017) with the theme Organic Artefacts: from Research to Exhibition, 13 – 14 September 2017, Sibiu, Romania
- 4th International Seminar and Workshop on Emerging Technology and Innovation for Cultural Heritage, 3-4 November 2016, Bucharest, Romania

- 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, 16 – 18 October 2014, Sibiu, Romania
- 2nd International Seminar on Emerging Technology and Innovation for Cultural Heritage: Parchment, Leather and Textiles Collections and Their Environment, Bucuresti, 3 – 6 September 2013, Bucharest, Romania
- 1st International Seminar and Workshop Cultural Heritage – Emerging Technology and Innovation: Preservation of Parchment, Leather and Textiles, 24 – 26 September 2012, Bucharest, Romania

ARTICOLE

1. **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, in curs de publicare.
2. Gabriela Vyskočilová, Richard Ševčík, **Cristina Carsote**, Elena Badea, *Effects of soil burial tests on vegetable-tanned leather by FTIR-ATR, SEM, DSC, TG/DTG and MHT*, Heritage Science, submitted.
3. Zoltán Sebestyén, Elena Badea, **Cristina Carsote**, Zsuzsanna Czégény, Tímea Szabó, Bence Babinszki, János Bozi, Emma Jakab, *Characterization of historical leather bookbindings by thermal methods*, Journal of Analytical and Applied Pyrolysis, Virtual Special Issue (VSI), invited paper, submitted.
4. **Cristina Carsote**, *Investigarea "Psaltirii Pre Versuri Tocmită", Dosoftei*, CAPODOPERE din patrimonial Muzeului National de Istorie a Romaniei 2020, Ed. MNIR, p. 48-51, ISBN 978-973-0-33049-6.
5. Federica Cappa, Iliaria 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 (2020) 109375
6. Noemi Proietti, Valeria Di Tullio, **Cristina Carsote**, Elena Badea, *¹³C 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.
7. **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.
8. Federica Cappa, Iliaria 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*, Herit Sci (2020) 8:15, <https://doi.org/10.1186/s40494-020-0353-z>
9. 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>.
10. **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>.
11. 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.
12. Elena Badea, **Cristina Carsote**, Lucretia Miu, Giuseppe Della Gatta, *Damage assessment approaches for collagen-based artefacts: simple and advanced analysis*, The Cultural Object: From Investigation to Restoration", Postprint volume of the 6th International Congress on Chemistry for the Conservation of Cultural Heritage (ETICCH 2019). Eds. Elena Badea and Andrea Bernath, Editura Oscar Print, Bucuresti, 2019.
13. **Cristina Carsote**, *Investigarea materialelor constituente ale Evangheliei din 1794* În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României, (2019), p. 62-67.
14. Emanuel Hadimbu, Elena Badea, **Cristina Carsote**, Claudiu Sendrea, Lucretia Miu, *Halloysite nanotubes as innovative consolidant for historical leather* In Proceedings Book of the 7th International Conference on Advanced Materials and Systems, Ed. Certex, Bucuresti, (2018), 189-194.

15. **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.
16. **Cristina Carșote**, Migdonia Georgescu, *Investigarea Cazaniei lui Vaarlam În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României*, (2018), p. 40-42.
17. Gabriela Vyskočilová, **Cristina Carșote**, Lucreția Miu, Příhoda Jiří, *Archaeological leather – assessment of degradation by ATR-FTIR and MHT (Archeologická useň - degradace a její příčiny)*, In Proceedings Book of the Conservation Science, Technology and Industry (CSTI 2018) Conference, 7-9 March 2018, Bratislava, p. 534-544.
18. **Cristina Carșote**, Irina Petroviciu, Ginel Lazăr, Elena Badea, Lucreția Miu, Migdonia Georgescu, *Investition of a 15th century document by complementary methods*, RESTITUTIO 11, (2017), p. 129-138.
19. Claudiu Sendrea, **Cristina Carșote**, 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.
20. **Cristina Carșote**, Migdonia Georgescu, Irina Petroviciu, *Investigarea Materialelor din Miscelaneul Teologic Copiat de Diacul Teodor Ursul În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României* (2017) p. 56-57.
21. **Cristina Carșote**, Irina Petroviciu, Ginel Lazăr, Elena Badea, Lucreția Miu, Migdonia Georgescu, *Investigarea unui document emis de Cancelaria Moldovei în vremea lui Ștefan cel Mare, din colecția MNIR*, Book proceedings *Tradiție, Istorie, Armată - Sesiunea Națională de Comunicări Științifice*, ediția a IV a, Muzeul Militar Național “Regele Ferdinand I”, 8-9 iunie 2017, Bucuresti, p.289-298.
22. Petru Budrugeac, **Cristina Carșote**, Lucreția Miu, *Application of thermal analysis methods for damage assessment of leather in an old military coat belonging to History Museum of Brașov – Romania*, Journal of Thermal Analysis and Calorimetry (2017) 127:765-762.
23. Elena Badea, Claudiu Sendrea, **Cristina Carșote**, Lucreția Miu, Giuseppe Della Gatta, *Surface characterisation of parchments by thermal microscopy and unilateral NMR* In Proceedings Book of the 5th International Conference on Advanced Materials and Systems, Editura Certex, Bucuresti, (2016), p. 533-538.
24. Zoltán Sebestyén, Elena Badea, Emma Jakab, **Cristina Carșote**, Eszter Barta-Rajnai, Zsuzsanna Czégény, *Thermal decomposition study of vegetable tanning agents and tanned leathers*, RESTITUTIO 10 (2016) p. 256.
25. Daniela Ichim, Elena Badea, **Cristina Carșote**, *Artificial ageing treatments of collagen based materials: How significant they are*, RESTITUTIO 10 (2016), p. 257-258.
26. Elena Badea, Oana A. Miu, Ionut Bornoiu, **Cristina Carșote**, Ovidiu Grigore, Lucretia Miu, Petru Budrugeac, *ImageMHT – A new portable equipment for the automatic determination of shrinkage activity of historical collagen-based materials. The case of some historical documnet from the Romanian Academy Library collection*, RESTITUTIO 10 (2016) p. 260.
27. Irina Petroviciu, **Cristina Carșote**, *Spectrometria în infraroșu (FTIR) în “Patrimoniul muzeal și științele. O altă perspectivă – Muzeul Național de Istorie a României*, Bucuresti (2016) p. 91.
28. Claudiu Sendrea, **Cristina Carșote**, 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.
29. Elena Badea, Claudiu Sendrea, **Cristina Carșote**, 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.
30. **Cristina Carșote**, 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, DOI 10.1007/s10973-016-5344-7.
31. 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.
32. **Cristina Carșote**, Irina Petroviciu, Migdonia Georgescu, *Investigarea diplomei de innobilare cu blazon acordată de Principele Mihail Apafi lui Toma Trâmbișas din Țara Făgărașului (1663) În: CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României* (2015) p. 85 – 89.
33. Irina Petroviciu, Horia Nicolau, Mihai Lupu, Ileana Crețu, **Cristina Carșote**, *Computerized archive for analytical data. A database for dye analysis storage and organisation*, RESTITUTIO 9 (2015) 122-128.
34. 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*, RESTITUTIO 9 (2015) 46-53.

35. **Cristina Carsote**, Irina Petroviciu, Elena Badea, Lucretia Miu, Horia Iovu, *Primum non nocere – In situ non-invasive diagnosis of historical parchment and leather*, RESTITUTIO 9 (2015) 54-63.
36. Petru Budrugeac, **Cristina Carsote**, Andrei Cucuș, Elena Badea, Lucretia Miu, *Applications of thermal analysis methods in the investigation of cultural and historical objects manufactured from leather*, Proceeding Book of the 3rd International Leather Engineering Congress, 21–22 May (2015), Izmir, Turkey, 101-108.
37. Hedy M-Kiss, Elena Badea, **Cristina Carsote**, Lucretia Miu, *Investigarea preliminară a unor artefacte din piele provenite din săpăturile arheologice din Cetatea Timișoara*, RESTITUTIO 8, (2014), 58-61.
38. Irina Petroviciu, Jan Wouters, **Cristina Carsote**, Mihai Lupu, Petru Budrugeac, Lucretia Miu, Wilfred Vetter, Manfred Schreiner, *Este suficientă investigarea nedistructivă a materialelor organice din obiecte muzeale?*, RESTITUTIO 8, (2014), 52-57.
39. **Cristina Carsote**, Petru Budrugeac, Lucretia Miu, Huseyin Ata Karavana, Elena Badea, *Study of the environmental impact on vegetable tanned leather by thermal analysis*, In Proceedings Book of the 5th International Conference on Advanced Materials and Systems, Editura Certex, Bucharest, (2014), 505-510.
40. Oana Andreea Miu, Elena Badea, **Cristina Carsote**, Silviu Ciobanu, *Automatic detection of collagen fibres shrinkage activity using Σ - Δ filtering*, In Proceedings Book of the 5th International Conference on Advanced Materials and Systems, Editura Certex, Bucharest, (2014), 539-542.
41. Elena Badea, Lucretia Miu, **Cristina Carsote**, Irina Petroviciu, Rosetta Granziero, Silvia Perona, Veronique Cachia, Battista Pittari, Cecilia Laurora, Giuseppe Della Gatta, Andrei Cucos, Petru Budrugeac, Alessandro Vitale Brovarone, *Validazione di interventi di recupero conservativo di manufatti in pergamena*, In Lo Stato dell'Arte 12 (Volume degli atti del XII Congresso Nazionale IGIIC), Nardini Editore, Florenta, Italia, (2014), 463-470.
42. **Cristina Carsote**, Petru Budrugeac, 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.
43. Irina Petroviciu, **Cristina Carsote**, Migdonia Georgescu, *Investigarea nedistructivă a materialelor din Codex Altemberger În CAPODOPERE din Patrimoniul Muzeului Național de Istorie a României* (2014), 40-47.
44. Lucretia Miu, Maria Giurginca, Petru Budrugeac, **Cristina Carsote**, Mihaela Stefanescu, *Investigarea unui obiect de patrimoniu din piele pentru stabilirea gradului de degradare. Studiu de caz*, RESTITUTIO 7, (2013), 217 - 227.
45. **Cristina Carsote**, Irina Petroviciu, Lucretia Miu, Elena Badea, *Sistem inteligent pentru analiza și diagnoza obiectelor de patrimoniu pe bază de colagen*, Revista Română de Conservare și Restaurare a Cărtii 6, (2013), 91-98.
46. Irina Petroviciu, **Cristina Carsote**, "Preservation of Parchment, Leather and Textiles" Bucharest, Romania, 24-26 September 2012" - Conference review, e-conservation magazine, <http://www.e-conservationline.com/content/view/1093>
47. Elena Badea, Giuseppe Della Gatta, Lucretia Miu, **Cristina Carsote**, Irina Petroviciu, Rene Larsen, Dorte V. Poulsen Sommer, Marianne Odlyha, Anna Braghieri, Stefano Benedetto, *Damage assessment of historical parchments: a protocol for preventive conservation*, RESTITUTIO 5-6, (2012), 61-74.
48. **Cristina Carsote**, Lucretia Miu, Irina Petroviciu, Doina Maria Creangă, Maria Giurginca, Wilfred Vetter, *Scientific investigation of leather in ethnographical objects by molecular spectroscopy and MHT*, Leather and Footwear Journal (2012), 12(3), 183 – 192.
49. 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*, Proceedings of the 4th International Conference on Advanced Materials and Systems (ICAMS) (2012), Editura Certex Bucharest, 487-492.
50. Elena Badea, Irina Petroviciu, **Cristina Carsote**, Lucretia Miu, Wilfred Vetter, Manfred Schreiner, Giuseppe Della Gatta, *Studio dell'effetto di temperatura e umidità relativa sulla struttura e le proprietà della pergamena, e relazione con il deterioramento a lungo termine delle pergamene storiche*, Lo Stato dell'Arte 10, Editura Nardini, Florenta - Italia, (2012), 293-298.
51. **Cristina Carsote**, Doina Maria Creangă, Irina Petroviciu, Lucretia Miu, *Investigation of collagen based support in ethnographical objects by FTIR/ATR and MHT*, Magazinul Muzeului Bucovina, (2011), 173 – 179.
52. Lucretia Miu, Maria Giurginca, **Cristina Carsote**, Roxana Popescu, Aurelian Popescu, *Investigation of heritage leather objects in order to establish the degradation level*, RESTITUTIO 3, (2010), 91-100.
53. Lucretia Miu, **Cristina Carsote**, Maria Giurginca, Petru Budrugeac, Andrei Cucos, *Evaluation of the parchment degradation by non-destructive and micro-destructive techniques*, Conservarea si restaurarea patrimoniului cultural, 10, (2010) Ed. Doxologia, Iași, 139-148.

54. Zenovia Moldovan, Florica Ionescu, Laura Alexandrescu, **Cristina Carsote**, *EPDM/HDPE-based thermoplastic vulcanisates studied by physical-mechanical tests and IR spectrometry*, *Polymers & Polymer Composites*, 18(4), (2010), 189-195.
55. **Cristina Carsote**, Irina Petroviciu, Lucretia Miu, Gheorghe Niculescu, Corina Matei, *Analytical investigation (FTIR-ATR, XRF, LC-MS) on a 17th c. historical document*, *Revista română de conservare și restaurare a cărții* 2, (2009), 35-43.
56. Lucretia Miu, Petru Budrugaec, Maria Giurginca, **Cristina Carsote**, Ciprian Chelaru, Mihaela Valsan, *Modern techniques to investigate the level of degradation of leather heritage*, *RESTITUTIO* 2, (2009), 40-48.
57. **Cristina Carsote**, Irina Petroviciu, Corina Matei, Gheorghe Niculescu, Zizi Ileana Baltă, Lucretia Miu, *Evaluation of the degradation level and restoration of some parchment documents from the collections of National Military Museum "Ferdinand I"*, *Revista română de conservare și restaurare a cărții* 1, (2008), 61-68.
58. Lucretia Miu, Elena Badea, Petru Budrugaec, Maria Giurginca, Cecilia Laurora, **Cristina Carsote**, Giuseppe Della Gatta, *Scientific assessment of historical parchment rolls*, *Leather and Footwear Journal* no.1 (2008).
59. Madalina Albu, Viorica Trandafir, Minodora Leca, **Cristina Carsote**, *Characterization of collagen – gentamicin systems used in controlled release of drugs*, *Leather and Footwear Journal* no. 4 (2007).

CAPITOLE ÎN CĂRȚI

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