

## Irena Kralj Cigić

### Personal bibliography for the period 1996-2021

#### ARTICLES AND OTHER COMPONENT PARTS

##### 1.01 Original scientific article

1. LUO, Yujia, KRALJ CIGIĆ, Irena, WEI, Quan, STRLIČ, Matija. Characterisation and durability of contemporary unsized Xuan paper. *Cellulose*. Jan. 2021, vol. 28, iss. 2, str. 1011-1023, ilustr. ISSN 0969-0239. <https://link.springer.com/article/10.1007/s10570-020-03554-3>, DOI: [10.1007/s10570-020-03554-3](https://doi.org/10.1007/s10570-020-03554-3). [COBISS.SI-ID [36471043](#)]

2. KRAŠEVEC, Ida, MENART, Eva, STRLIČ, Matija, KRALJ CIGIĆ, Irena. Validation of passive samplers for monitoring of acetic and formic acid in museum environments. *Heritage science*. 15 Feb. 2021, vol. 9, str. 1-10, ilustr. ISSN 2050-7445. <https://heritagesciencejournal.springeropen.com/articles/10.1186/s40494-021-00495-3>, DOI: [10.1186/s40494-021-00495-3](https://doi.org/10.1186/s40494-021-00495-3). [COBISS.SI-ID [51634691](#)]

3. KRAŠEVEC, Ida, NEMEČEK, Nataša, LOZAR ŠTAMCAR, Maja, KRALJ CIGIĆ, Irena, PROSEN, Helena. Non-destructive detection of pentachlorophenol residues in historical wooden objects. *Polymers*. Apr. 2021, vol. 13, iss. 7, str. 1-14, ilustr. ISSN 2073-4360. <https://www.mdpi.com/2073-4360/13/7/1052/htm>, DOI: [10.3390/polym13071052](https://doi.org/10.3390/polym13071052). [COBISS.SI-ID [57534467](#)]

4. RIJAVEC, Tjaša, STRLIČ, Matija, KRALJ CIGIĆ, Irena. Plastics in heritage collections : poly(vinyl chloride) degradation and characterization. *Acta chimica slovenica*. [Spletna izd.]. 2020, vol. 67, no. 4, str. 993-1013, ilustr. ISSN 1580-3155. <https://journals.matheo.si/index.php/ACSi/article/view/6479>, DOI: [10.17344/acsi.2020.6479](https://doi.org/10.17344/acsi.2020.6479). [COBISS.SI-ID [40947715](#)]

5. STRLIČ, Matija, LIU, Yun, LICHTBLAU, Dirk Andreas, BRUIN, Gerrit de, KNIGHT, Barry, WINTHER, Thea, KRALJ CIGIĆ, Irena, BRÉRETON, Richard G. Development and mining of a database of historic European paper properties. *Cellulose*. Sep. 2020, vol. 27, iss. 14, str. 8287-8299, ilustr. ISSN 0969-0239. <https://link.springer.com/article/10.1007/s10570-020-03344-x>, DOI: [10.1007/s10570-020-03344-x](https://doi.org/10.1007/s10570-020-03344-x). [COBISS.SI-ID [22766851](#)]

6. KOŠIR, Urban, KRALJ CIGIĆ, Irena, MARKELJ, Jernej, DRVARIČ TALIAN, Sara, DOMINKO, Robert. Polysulfide species in various electrolytes of Li-S batteries - a chromatographic investigation. *Electrochimica Acta*. [Print ed.]. 10 Dec. 2020, vol. 363, str. 137227-1-137227-11. ISSN 0013-4686. <https://www.sciencedirect.com/science/article/pii/S0013468620316200>, DOI: [10.1016/j.electacta.2020.137227](https://doi.org/10.1016/j.electacta.2020.137227). [COBISS.SI-ID [35165699](#)]

7. KRALJ CIGIĆ, Irena, RUPNIK, Sašo, RIJAVEC, Tjaša, POKLAR ULRIH, Nataša, CIGIĆ, Blaž. Accumulation of agmatine, spermidine, and spermine in sprouts and microgreens of alfalfa, fenugreek, lentil, and daikon radish. *Foods*. 2020, vol. 9, iss. 5, str. 1-20, ilustr. ISSN 2304-8158. <https://www.mdpi.com/2304-8158/9/5/547>, DOI: [10.3390/foods9050547](https://doi.org/10.3390/foods9050547). [COBISS.SI-ID [13634563](#)]

8. RETKO, Klara, KAVČIČ, Maša, LEGAN, Lea, ROPRET, Polonca, ROGELJ ŠKAFAR, Bojana, GAO, Yingwang, GILCHRIST, John R., STRLIČ, Matija, KRALJ CIGIĆ, Irena. Material characterisation of a painted beehive panel by advanced spectroscopic and chromatographic techniques in combination with hyperspectral imaging. *Heritage science*. 2020, vol. 8, iss. 1, str. 1-13, ilustr. ISSN 2050-7445. <https://link.springer.com/article/10.1186/s40494-020-00468-y>, DOI: [10.1186/s40494-020-00468-y](https://doi.org/10.1186/s40494-020-00468-y). [COBISS.SI-ID [39293699](#)]

9. SNOJ EKMEČIČ, Tina, KRALJ CIGIĆ, Irena. Application of solvatic model for prediction of retention at gradient elution in reversed-phase liquid chromatography. *Acta chimica slovenica*. [Spletna izd.]. 2019, vol. 66, no. 4, str. 958-970. ISSN 1580-3155. <https://journals.matheo.si/index.php/ACSi/article/view/5189>, DOI: [10.17344/acsi.2019.5189](https://doi.org/10.17344/acsi.2019.5189). [COBISS.SI-ID [1538286275](#)]

10. TESTEN, Ana, PLEVNIK, Miha, ŠTEFANE, Bogdan, KRALJ CIGIĆ, Irena. Identification of new process-related impurity in the key intermediate in the synthesis of TCV-116. *Acta pharmaceutica*. Mar. 2019, vol. 69, iss. 1, str. 63-74, ilustr. ISSN 1330-0075. <https://content.sciendo.com/view/journals/acph/69/1/article-p63.xml>, DOI: [10.2478/acph-2019-0006](https://doi.org/10.2478/acph-2019-0006). [COBISS.SI-ID [1537928643](#)]

- 11.** MALEŠIČ, Jasna, KADIVEC, Mariša, KUNAVER, Matjaž, SKALAR, Tina, KRALJ CIGIČ, Irena. Nano calcium carbonate versus nano calcium hydroxide in alcohols as a deacidification medium for lignocellulosic paper. *Heritage science*. 16 Jul. 2019, vol. 7, str. 1-14, ilustr. ISSN 2050-7445. <https://heritagesciencejournal.springeropen.com/articles/10.1186/s40494-019-0294-6>, DOI: [10.1186/s40494-019-0294-6](https://doi.org/10.1186/s40494-019-0294-6). [COBISS.SI-ID [1538271939](https://www.cobiss.si/record/1538271939)]
- 12.** MARIČ, Ajda, SKOČAJ, Matej, LIKAR, Matevž, SEPCIČ, Kristina, KRALJ CIGIČ, Irena, GRUNDNER, Maja, GREGORI, Andrej. Comparison of lovastatin, citrinin and pigment production of different *Monascus purpureus* strains grown on rice and millet. *Journal of Food Science and Technology*. 2019, vol. , no. , 10 str., [in press], ilustr. ISSN 0022-1155. DOI: [10.1007/s13197-019-03820-8](https://doi.org/10.1007/s13197-019-03820-8). [COBISS.SI-ID [5097295](https://www.cobiss.si/record/5097295)]
- 13.** PASTORELLI, Gianluca, CAO, Shuo, KRALJ CIGIČ, Irena, CUCCI, Costanza, ELNAGGAR, Abdelrazek, STRLIČ, Matija. Development of dose-response functions for historic paper degradation using exposure to natural conditions and multivariate regression. *Polymer degradation and stability*. Oct. 2019, vol. 168, str. 1-12, ilustr. ISSN 0141-3910. <https://www.sciencedirect.com/science/article/pii/S0141391019302642>, DOI: [10.1016/j.polymdegradstab.2019.108944](https://doi.org/10.1016/j.polymdegradstab.2019.108944). [COBISS.SI-ID [1538291395](https://www.cobiss.si/record/1538291395)]
- 14.** BADASYAN, Artem, MAVRIČ, Andraž, KRALJ CIGIČ, Irena, BENCIK, Tim, VALANT, Matjaž. Polymer nanoparticle sizes from dynamic light scattering and size exclusion chromatography : the case study of polysilanes. *Soft matter*. 2018, vol. 14, issue 23, str. 4735-4740, ilustr. ISSN 1744-6848. <http://dx.doi.org/10.1039/C8SM00780B>, DOI: [10.1039/C8SM00780B](https://doi.org/10.1039/C8SM00780B). [COBISS.SI-ID [5150715](https://www.cobiss.si/record/5150715)]
- 15.** LIU, Yun, KRALJ CIGIČ, Irena, STRLIČ, Matija. Kinetics of accelerated degradation of historic iron gall ink-containing paper. *Polymer degradation and stability*. Aug. 2017, vol. 142, str. 255-262, ilustr. ISSN 0141-3910. <http://www.sciencedirect.com/science/article/pii/S0141391017302008>, DOI: [10.1016/j.polymdegradstab.2017.07.010](https://doi.org/10.1016/j.polymdegradstab.2017.07.010). [COBISS.SI-ID [1537466819](https://www.cobiss.si/record/1537466819)]
- 16.** GRAU-BOVÉ, Josep, BUDIČ, Bojan, KRALJ CIGIČ, Irena, THICKETT, David, SIGNORELLO, Stefania, STRLIČ, Matija. The effect of particulate matter on paper degradation. *Heritage science*. 2016, vol. 4, str. 1-8, ilustr. ISSN 2050-7445. <http://heritagesciencejournal.springeropen.com/articles/10.1186/s40494-016-0071-8>, DOI: [10.1186/s40494-016-0071-8](https://doi.org/10.1186/s40494-016-0071-8). [COBISS.SI-ID [1536769475](https://www.cobiss.si/record/1536769475)]
- 17.** PUŠNIK ČREŠNAR, Klementina, PETERLIN, Mojca, KRALJ CIGIČ, Irena, MAROLT, Gregor, KOGEJ, Ksenija, MERTELJ, Alenka, GYERGYEK, Sašo, MAKOVEC, Darko. Adsorption of amino acids, aspartic acid, and lysine onto iron-oxide nanoparticles. *The journal of physical chemistry. C, Nanomaterials and interfaces*. [Print ed.]. 2016, vol. 120, iss. 26, str. 14372-14381, ilustr. ISSN 1932-7447. <http://pubs.acs.org/doi/pdf/10.1021/acs.jpcc.6b03180>, DOI: [10.1021/acs.jpcc.6b03180](https://doi.org/10.1021/acs.jpcc.6b03180). [COBISS.SI-ID [1537055939](https://www.cobiss.si/record/1537055939)]
- 18.** PREVC, Tjaša, LEVART, Alenka, KRALJ CIGIČ, Irena, SALOBIR, Janez, POKLAR ULRIH, Nataša, CIGIČ, Blaž. Rapid estimation of tocopherol content in linseed and sunflower oils-reactivity and assay. *Molecules*. 2015, vol. 20, str. 14777-14790, ilustr. ISSN 1420-3049. <https://www.mdpi.com/1420-3049/20/8/14777>, DOI: [10.3390/molecules200814777](https://doi.org/10.3390/molecules200814777). [COBISS.SI-ID [4555896](https://www.cobiss.si/record/4555896)]
- 19.** BENIGAR, Elizabeta, DOGŠA, Iztok, STOPAR, David, JAMNIK, Andrej, KRALJ CIGIČ, Irena, TOMŠIČ, Matija. Structure and dynamics of a polysaccharide matrix : aqueous solutions of bacterial levan. *Langmuir*. 2014, vol. 30, issue 14, str. 4172-4182. ISSN 0743-7463. DOI: [10.1021/la500830j](https://doi.org/10.1021/la500830j). [COBISS.SI-ID [4381304](https://www.cobiss.si/record/4381304)]
- 20.** MOŽIR, Alenka, KRALJ CIGIČ, Irena, MARINŠEK, Marjan, STRLIČ, Matija. Material properties of historic parchment : a reference collection survey. *Studies in conservation : the journal of the International Institute for Conservation of Historic and Artistic Works*. May 2014, vol. 59, no. 3, str. 136-149. ISSN 0039-3630. <http://www.maneyonline.com/doi/abs/10.1179/2047058413Y.0000000100?journalCode=sic>, DOI: [10.1179/2047058413Y.0000000100](https://doi.org/10.1179/2047058413Y.0000000100). [COBISS.SI-ID [5314586](https://www.cobiss.si/record/5314586)]
- 21.** ULČNIK, Ajda, KRALJ CIGIČ, Irena, POHLEVEN, Franc. Degradation of lindane and endosulfan by fungi, fungal and bacterial laccases. *World journal of microbiology & biotechnology*. 2013, vol. 29, no. 12, str. 2239-2247. ISSN 0959-3993. [COBISS.SI-ID [2159753](https://www.cobiss.si/record/2159753)]
- 22.** MOŽIR, Alenka, GONZALEZ, Lee, KRALJ CIGIČ, Irena, WESS, Tim J., RABIN, Ira, HAHN, Oliver, STRLIČ, Matija. A study of degradation of historic parchment using small-angle x-ray scattering, synchrotron-IR and multivariate data analysis. *Analytical and bioanalytical chemistry*. 2012, vol. 402, no. 4, str. 1559-1566. ISSN 1618-2642. DOI: [10.1007/s00216-011-5392-6](https://doi.org/10.1007/s00216-011-5392-6). [COBISS.SI-ID [35750405](https://www.cobiss.si/record/35750405)]
- 23.** ULČNIK, Ajda, KRALJ CIGIČ, Irena, ZUPANČIČ-KRALJ, Lucija, TAVZES, Črtomir, POHLEVEN, Franc. Bioremediation of lindane by wood-decaying fungi = Biorazgradnja lindana pomoću gljiva uzročnika truljenja drva. *Drvna industrija : Znanstveno stručni časopis za pitanja drvne tehnologije*. 2012, vol. 63, no. 4, str. 271-276. ISSN 0012-6772. [COBISS.SI-ID [2080137](https://www.cobiss.si/record/2080137)]
- 24.** MOŽIR, Alenka, STRLIČ, Matija, TRAFELA, Tanja, KRALJ CIGIČ, Irena, KOLAR, Jana, DESELNICU, Viorica, BRUIN, Gerrit de. On oxidative degradation of parchment and its non-destructive characterisation and dating. *Applied physics. A, Materials science & processing*. 2011, vol. 104, no. 1, str. 211-217. ISSN 0947-8396. <http://www.springerlink.com/content/aq37236834830653/fulltext.pdf>, DOI: [10.1007/s00339-010-6108-z](https://doi.org/10.1007/s00339-010-6108-z). [COBISS.SI-ID [34838533](https://www.cobiss.si/record/34838533)]

- 25.** RASMUSSEN, K. L., GUNNEWEG, Jan, PLICHT, van der J., KRALJ CIGIĆ, Irena, BOND, A. D., SVENSMARK, B., BALLA, Margit, STRLIČ, Matija, DOUDNA, Gregory L. On the age and content of Jar-35 : a sealed and intact storage jar found on the southern plateau of Qumran. *Archaeometry*. [Tiskana izd.]. 2011, vol. 53, no. 4, str. 791-808. ISSN 0003-813X. DOI: [10.1111/j.1475-4754.2010.00559.x](https://doi.org/10.1111/j.1475-4754.2010.00559.x). [COBISS.SI-ID [34839045](#)]
- 26.** ULČNIK, Ajda, KRALJ CIGIĆ, Irena, ZUPANČIČ-KRALJ, Lucija, TAVZES, Črtomir, POHLEVEN, Franc. Razgradnja endosulfana z glivama *Hypoxyylon fragiforme* in *Gloeophyllum trabeum* = Degradation of endosulfan with *Hypoxyylon fragiforme* and *Gloeophyllum trabeum*. *Les : revija za lesno gospodarstvo*. [Tiskana izd.]. 2011, let. 63, št. 5, str. 227-231. ISSN 0024-1067. [COBISS.SI-ID [1930633](#)]
- 27.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, MOŽIR, Alenka, BRUIN, Gerrit de, KOLAR, Jana, CASSAR, May. The effect of volatile organic compounds and hypoxia on paper degradation. *Polymer degradation and stability*. 2011, vol. 96, no. 4, str. 608-615. ISSN 0141-3910. DOI: [10.1016/j.polymdegradstab.2010.12.017](https://doi.org/10.1016/j.polymdegradstab.2010.12.017). [COBISS.SI-ID [34838277](#)]
- 28.** FENECH, Ann, STRLIČ, Matija, KRALJ CIGIĆ, Irena, LEVART, Alenka, GIBSON, Lorraine, BRUIN, Gerrit de, NTANOS, Kostas, KOLAR, Jana, CASSAR, May. Volatile aldehydes in libraries and archives. *Atmospheric environment*. [Print ed.]. 2010, vol. 44, no. 17, str. 2067-2073. ISSN 1352-2310. DOI: [10.1016/j.atmosenv.2010.03.021](https://doi.org/10.1016/j.atmosenv.2010.03.021). [COBISS.SI-ID [33984261](#)]
- 29.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, MOŽIR, Alenka, THICKETT, David, BRUIN, Gerrit de, KOLAR, Jana, CASSAR, May. Test for compatibility with organic heritage materials : a proposed procedure. *E-preservation science : scientific research for the preservation of cultural heritage*. 2010, vol. 7, str. 78-86. ISSN 1581-9280. <http://www.morana-rtd.com/e-preservationscience/2010/Strlic-15-05-2010.pdf>. [COBISS.SI-ID [34215173](#)]
- 30.** STRLIČ, Matija, MENART, Eva, KRALJ CIGIĆ, Irena, KOLAR, Jana, BRUIN, Gerrit de, CASSAR, May. Emission of reactive oxygen species during degradation of iron gall ink. *Polymer degradation and stability*. 2010, vol. 95, no. 1, str. 66-71. ISSN 0141-3910. DOI: [10.1016/j.polymdegradstab.2009.10.011](https://doi.org/10.1016/j.polymdegradstab.2009.10.011). [COBISS.SI-ID [33496837](#)]
- 31.** CSEFALVAYOVA, Linda, PELIKAN, M., KRALJ CIGIĆ, Irena, KOLAR, Jana, STRLIČ, Matija. Use of genetic algorithms with multivariate regression for determination of gelatine in historic papers based on FT-IR and NIR spectral data. *Talanta*. [Print ed.]. 2010, vol. 82, no. 5, str. 1784-1790. ISSN 0039-9140. DOI: [10.1016/j.talanta.2010.07.062](https://doi.org/10.1016/j.talanta.2010.07.062). [COBISS.SI-ID [34458629](#)]
- 32.** STRLIČ, Matija, THOMAS, Jacob, TRAFELA, Tanja, CSEFALVAYOVA, Linda, KRALJ CIGIĆ, Irena, KOLAR, Jana, CASSAR, May. Material degradomics : on the smell of old books. *Analytical chemistry*. [Print ed.]. 2009, vol. 81, no. 20, str. 8617-8622. ISSN 0003-2700. DOI: [10.1021/ac9016049](https://doi.org/10.1021/ac9016049). [COBISS.SI-ID [33296901](#)]
- 33.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, RABIN, Ira, KOLAR, Jana, PIHLAR, Boris, CASSAR, May. Autoxidation of lipids in parchment. *Polymer degradation and stability*. 2009, vol. 94, no. 6, str. 886-890. ISSN 0141-3910. DOI: [10.1016/j.polymdegradstab.2009.03.003](https://doi.org/10.1016/j.polymdegradstab.2009.03.003). [COBISS.SI-ID [30426117](#)]
- 34.** KRALJ CIGIĆ, Irena, VRŠČAJ VODOŠEK, Tatjana, KOŠMERL, Tatjana, STRLIČ, Matija. Amino acid quantification in the presence of sugars using HPLC and pre-column derivatization with 3-MPA/OPA and FMOC-Cl. *Acta chimica slovenica*. [Tiskana izd.]. 2008, letn. 55, št. 3, str. 660-664, graf. prikazi. ISSN 1318-0207. <http://acta.chem-soc.si/55/55-3-660.pdf>. [COBISS.SI-ID [29802245](#)]
- 35.** VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIĆ, Irena, STRLIČ, Matija, KOŠMERL, Tatjana. The utilization of free amino acids during malolactic fermentation of Malvasia wine = Utilizzazione di aminoacidi liberi durante la fermentazione malolattica di vini Malvasia. *Rivista di Viticoltura e di Enologia*. 2008, vol. 61, no. 2/4, str. 243-254. ISSN 0370-7865. [COBISS.SI-ID [3656824](#)]
- 36.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, KOLAR, Jana, BRUIN, Gerrit de, PIHLAR, Boris. Non-destructive evaluation of historical paper based on pH estimation from VOC emissions. *Sensors*. 2007, vol. 7, str. 3136-3145. ISSN 1424-8220. [COBISS.SI-ID [29134853](#)]
- 37.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, SCHREIBER, André, KOCJANČIČ, Mitja, PIHLAR, Boris. Ochratoxin A in wine : its determination and photostability. *Analytical letters*. [Print ed.]. 2006, vol. 39, no. 7, str. 1475-1488, graf. prikazi. ISSN 0003-2719. [COBISS.SI-ID [27677957](#)]
- 38.** LAH, Nina, KRALJ CIGIĆ, Irena, LEBAN, Ivan. Solvothermal synthesis of a novel mixed valence Cu(I)/Cu(II) complex containing sulphate, malate and 4,4'-bipyridine,  $[Cu^I Cu_2^{II} (mal)(SO_4)(bpy)_2 \times n H_2O]_n$ . Unique binding mode of the malate anion. *Inorganic chemistry communications*. [Print ed.]. 2003, vol. 6, no. 1, str. 1441-1444, graf. prikazi. ISSN 1387-7003. [COBISS.SI-ID [25391621](#)]
- 39.** KRALJ CIGIĆ, Irena, GUČEK, Marjan, ZUPANČIČ-KRALJ, Lucija, PIHLAR, Boris. Separation of isomers of dienoic acids by electromigration techniques. *Journal of separation science*. 2003, vol. 26, no. 14, str. 1253-1258, graf. prikazi. ISSN 1615-9314. [COBISS.SI-ID [25397765](#)]
- 40.** KRALJ CIGIĆ, Irena, PLAVEC, Janez, SMOLE MOŽINA, Sonja, ZUPANČIČ-KRALJ, Lucija. Characterisation of sorbate geometrical isomers. *Journal of chromatography. A*. 2001, vol. a905, no. 1/2, str. 359-366. ISSN 0021-9673. [COBISS.SI-ID [2464632](#)]

**41.** KRALJ CIGIĆ, Irena, ZUPANČIČ-KRALJ, Lucija. Changes in odour of Bartlett pear brandy influenced by sunlight irradiation. *Chemosphere*. [Print ed.]. 1999, vol. 38, no. 6, str. 1299-1303. ISSN 0045-6535. [COBISS.SI-ID [20227333](#)]

**42.** KRALJ CIGIĆ, Irena, PLAVEC, Janez, ZUPANČIČ-KRALJ, Lucija. Determination of the geometrical isomers of ethyl 2,4-decadienoate. *Journal of chromatography. A*. 1999, vol. a847, str. 359-364, ilustr. ISSN 0021-9673. [COBISS.SI-ID [21153285](#)]

## 1.02 Review article

**43.** KRALJ CIGIĆ, Irena, PROSEN, Helena. An overview of conventional and emerging analytical methods for the determination of mycotoxins. *International journal of molecular sciences*. 2009, vol. 10, no. 1, str. 62-115. ISSN 1422-0067. DOI: [10.3390/ijms10010062](#). [COBISS.SI-ID [30096389](#)]

## 1.06 Published scientific conference contribution (invited lecture)

**44.** VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIĆ, Irena, STRLIČ, Matija, KOŠMERL, Tatjana. Evolution of aroma compounds during the malolactic fermentation of the cool-climate varieties Welsh Riesling and Sauvignon Blanc. In: *Sensory development of cool-climate varieties during wine fermentation : proceedings of XXIes Entretiens Scientifiques Lallemand, Geisenheim Institute, Germany, April 24, 2009*. Geisenheim: Geisenheim Institute, 2009. Str. 41-55. [COBISS.SI-ID [3636856](#)]

## 1.07 Published professional conference contribution (invited lecture)

**45.** STRLIČ, Matija, ROPRET, Polonca, KRALJ CIGIĆ, Irena, RETKO, Klara. Evropska raziskovalna infrastruktura za dediščinsko znanost. *Konservator-restavrador : povzetki strokovnega srečanja*. 2020, str. 125-127, ilustr. ISSN 1854-5289. [COBISS.SI-ID [27134979](#)]

## 1.08 Published scientific conference contribution

**46.** LEVART, Alenka, REZAR, Vida, KRALJ CIGIĆ, Irena, ČOLOVIĆ, Dušica, ČOĀLOVIĆ, Radmilo, KENDA, Nina, SALOBIR, Janez. Oksidacija maščob v krmnih mešanica = Lipid oxidation in animal feed. In: ČEH, Tatjana (ed.). *Zbornik predavanj = Proceedings of the 24th International Scientific Symposium on Nutrition of Farm Animals [being] Zdravec-Erjavec Days 2015, 12th and 13th November 2015*. Murska Sobota: Kmetijsko gozdarska zbornica Slovenije, Kmetijsko gozdarski zavod, 2015. Str. 109-114. ISBN 978-961-93586-5-8. [COBISS.SI-ID [3653512](#)]

**47.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, BRUIN, Gerrit de, KOLAR, Jana, STEEMERS, Ted. VOCs in paper-based cultural heritage collections - source of information or risk?. In: *Impact of the indoor environment on the preservation of our movable heritage : ENVIART*. [S. l.: s. n.], 2010. Str. 63-65. [COBISS.SI-ID [34599429](#)]

**48.** RABIN, Ira, KRALJ CIGIĆ, Irena, STRLIČ, Matija. Dead Sea Scrolls studies in the frame of COST D42. In: *Impact of the indoor environment on the preservation of our movable heritage : ENVIART*. [S. l.: s. n.], 2010. Str. 66-68. [COBISS.SI-ID [34599685](#)]

**49.** MOŽIR, Alenka, STRLIČ, Matija, TRAFELA, Tanja, KRALJ CIGIĆ, Irena, KOLAR, Jana, DESELNICU, Viorica. Characterisation of historic parchment using near infrared spectroscopy. In: *Impact of the indoor environment on the preservation of our movable heritage : ENVIART*. [S. l.: s. n.], 2010. Str. 119-121. [COBISS.SI-ID [34602501](#)]

**50.** KRALJ CIGIĆ, Irena, KOLAR, Jana. Research activities in Slovenia related to COST action D42 2006-2010. In: *Impact of the indoor environment on the preservation of our movable heritage : ENVIART*. [S. l.: s. n.], 2010. Str. 140-142. [COBISS.SI-ID [34603013](#)]

**51.** BRUIN, Gerrit de, STRLIČ, Matija, KRALJ CIGIĆ, Irena. Smell of books and paper: indicator of physical condition? : [lecture]. In: *"Preservation and challenges in libraries, museums and archives: environmental controls and analytical diagnostics"*. COST D42 WG2 Meeting, National Library of Spain, Madrid, Spain, 11-12 March, 2010. [S. l.: s. n.], 2010. Str. [1-2]. [COBISS.SI-ID [33866245](#)]

**52.** CIGIĆ, Blaž, MIKLAVČIČ VIŠNJEVEC, Ana, KRALJ CIGIĆ, Irena, KOŠMERL, Tatjana. Preparation and characterisation of lyophilised wine extracts = Préparation et caractérisation des extraits lyophilisés de vin. In: *32nd World Congress of Vine and Wine [and] 7th General Assembly of the OIV, June 28th - July 3rd, 2009, Zagreb, Croatia : final papers = 32. Svjetski kongres vinogradarstva i vinarstva [i] Generalna skupština OIV-a, 28. lipnja - 3. srpnja 2009. - Zagreb - Hrvatska = 32ème Congrès mondial de la vigne et du vin [e] 7ème Assemblée générale de l'OIV, 28 juin - 3 juillet 2009 - Zagreb - Croatie = 32° Weltkongress für Rebe und Wein [und] 7. Generalversammlung der OIV, 28 Juni - 3 Juli 2009 - Zagreb - Kroatien = 32° Congreso mundial de la viña y el vino [y] 7a Asamblea general de la O.I.V., 28 junio - 3 julio 2009 - Zagreb - Croacia = 32° Congresso mondiale della vigna e del vino [e] 7a Assemblea generale dell'O.I.V., 28 giugno - 3 luglio 2009 - Zagreb -*

Croazia. [Zagreb: Ministarstvo poljoprivrede, ribarstva i ruralnog razvoja, 2009]. Str. [1-10]. ISBN 978-953-6718-12-2. [COBISS.SI-ID [3653240](#)]

**53.** JAKONČIČ, Mitja, KRALJ CIGIČ, Irena, STRLIČ, Matija, PROSEN, Helena, KOŠMERL, Tatjana. Vpliv podaljšanega zorenja vina na kvasovkah na vsebnost in ohranjanje hlapnih aromatičnih spojin vina = The influence of prolonged wine ageing on yeast on the content and preservation of volatile aroma compounds of wine. In: ČUŠ, Franc (ed.), MARINČEK, Lili (ed.). *Vinarski dan 2009, Ljubljana, 16. november 2009*. Ljubljana: Kmetijski inštitut Slovenije, 2009. Str. 29-38. Prikazi in informacije, 268. ISBN 978-961-6505-43-7. [COBISS.SI-ID [3707256](#)]

**54.** KOŠMERL, Tatjana, JAKONČIČ, Mitja, KRALJ CIGIČ, Irena, STRLIČ, Matija, PROSEN, Helena. Aroma compounds in "sur lies" produced and aged Chardonnay wines. In: *31° Congresso mondiale della vigna e del vino [anche] 6a Assemblea Generale dell'O.I.V., 15-20 Giugno 2008, Verona, Italia : [congress proceedings] = 31st World Congress of Vine and Wine [and] 6th General Assembly of the O.I.V., June 15-20, 2008, Verona, Italy = 31ème Congrès Mondial de la Vigne et du Vin [et] 6ème Assemblée Générale de l'O.I.V., 15-20 Juin 2008, Verona, Italie = 31. Weltkongress für Rebe und Wein [und] 6. Generalversammlung der O.I.V., 15-20 Juni 2008, Verona, Italien = 31° Congreso Mundial de la Viña y del Vino [y] 6a Asamblea General de la O.I.V., 15-20 de junio de 2008, Verona, Italia*. [Paris]: Organisation Internationale de la Vigne et du Vin (OIV); [Roma]: Ministero delle Politiche Agricole Alimentari e Forestali, 2008. Str. [1-9]. [COBISS.SI-ID [3475832](#)]

**55.** KOŠMERL, Tatjana, VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIČ, Irena, STRLIČ, Matija. Content of free amino acids during malolactic fermentation of Welsh Riesling. In: *Bericht ALVA - Jahrestagung 2007 ; "Gute Herstellungspraxis für pflanzliche Produkte" : 21.-22. Mai 2007, Stadtschlaining*. Wien: Arbeitsgemeinschaft für Lebensmittel- Veterinär- und Agrarwesen, 2007. Str. 149-131. Bericht. ISSN 1606-612X. [COBISS.SI-ID [3315832](#)]

**56.** KRALJ CIGIČ, Irena, STRLIČ, Matija, KOLAR, Jana. Analysis of volatiles in paper for evaluation of its pH. In: *European polymer congress : [also] EPF, 2-6 july, 2007, Portorož*. [Ljubljana]: [Slovensko kemijsko društvo: = Slovenian Chemical Society, Section for Polymers], 2007. Str. [1-2], ilustr. [COBISS.SI-ID [28756997](#)]

**57.** CSEFALVAYOVA, Linda, STRLIČ, Matija, TRAFELA, Tanja, KRALJ CIGIČ, Irena, KOLAR, Jana. Determination of gelatin in historical paper. In: *YISAC'07 Proceedings*. 14th Young Investigators' Seminar on Analytical Chemistry, YISAC'07, Pardubice, June 25-28, 2007. Pardubice: University of Pardubice, 2007. Str. 153-157, ilustr. ISBN 978-80-7194-969-5. [COBISS.SI-ID [28762117](#)]

**58.** STRLIČ, Matija, KRALJ CIGIČ, Irena, KOLAR, Jana. Analysis of volatiles in paper for evaluation of its pH. In: *Advances in chemistry and processing of lignocellulosics : proceedings*. 9th European Workshop on Lignocellulosics and Pulp, August 27-30, 2006 Vienna / Austria. Vienna: University of Natural Resources and Applied Life Science, 2006. Str. 534-536, graf. prikazi. [COBISS.SI-ID [27961605](#)]

**59.** KRALJ CIGIČ, Irena, STRLIČ, Matija, KOLAR, Jana. Analysis of volatiles in paper : a non-destructive methodology for evaluation of its properties. In: *Extended abstracts : belonging to the oral and poster presentations of the final MIP conference [and] 2nd International iron gall ink meeting, january 24-27, 2006, Newcastle upon Tyne, United Kingdom*. [S. l.: s. n.], 2006. Str. 48-49, graf. prikazi. [COBISS.SI-ID [27367941](#)]

**60.** KOCJANČIČ, Mitja, STRLIČ, Matija, KRALJ CIGIČ, Irena. Ochratoxin A (OA) content in Slovenian white and red wines. In: PETKOV, Mihail (ed.). *Viticulture & wine : symposium proceedings : I. Balkan and III Macedonian Symposium for Vine Growing and Wine Making : Skopje, 26-28 november 2003*. Skopje: Ss. Cyril and Methodius University, Faculty of Agriculture, Department for Viticulture and Enology; [S.l.]: Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ), 2003. Str. 127-133. [COBISS.SI-ID [1618536](#)]

**61.** KRALJ CIGIČ, Irena, KRALJ, Bogdan. Electrospray mass spectrometric study of ethyl 2,4-decadienoate isomere complexes with some transition metals. In: *Book of abstracts*. 11th International Symposium Spectroscopy in Theory and Practice, Bled, 11-15 April 1999. [Ljubljana]: Slovenian Chemical Society, Spectroscopic Section, [1999]. Str. 52, l-24. [COBISS.SI-ID [9013721](#)]

**62.** KRALJ CIGIČ, Irena, ZUPANČIČ-KRALJ, Lucija. Hyphenated techniques in aroma analysis. In: *Book of abstracts*. 5th International Symposium Chromatography & Hyphenated Techniques, Bled (Slovenia), October 5-9, 1998. Ljubljana: Slovenian Chemical Society, 1998. Str. 98, kl-11. [COBISS.SI-ID [20017669](#)]

### 1.12 Published scientific conference contribution abstract

**63.** KRAŠEVEC, Ida, MENART, Eva, KRALJ CIGIČ, Irena, STRLIČ, Matija, MARKELJ, Jernej, GRAU-BOVÉ, Josep, COORAY, Himantha, ANDERS, Manfred, ZIEMANN, S., BAGLIONI, Piero. APACHE project and management of museum microenvironments : [lecture]. In: *Book of abstracts of the 14th International Conference on Indoor Air Quality in Heritage and Historic Environments : October 12, 2020 - October 16, 2020, Antwerp, Belgium*. [S. l.: s. n.], 2020. Str. 12. [COBISS.SI-ID [32776195](#)]

**64.** MENART, Eva, KNEZ, Darko, KRAŠEVEC, Ida, STRLIČ, Matija, KRALJ CIGIČ, Irena. Monitoring the environment surrounding Hasan's cloak : a case study. In: *Book of abstracts of the 14th International Conference on Indoor Air Quality in Heritage and Historic Environments : October 12, 2020 - October 16, 2020, Antwerp, Belgium*. [S. l.: s. n.], 2020. Str. 64. [COBISS.SI-ID [38175491](#)]

- 65.** RIJAVEC, Tjaša, KRALJ CIGIČ, Irena. Investigation of oxidative degradation of spermine and spermidine with potassium permanganate by high-performance liquid chromatography with fluorescent detection : [lecture]. In: *Postgraduate chemical sciences 2020 : international conference : PRECISE2020 : book of abstracts : June 16, 2020*. Ljubljana: Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo, 2020. Str. 22. [https://www.fkkt.uni-lj.si/fizkem/PRECISE2020\\_Book\\_of\\_Abstracts.pdf](https://www.fkkt.uni-lj.si/fizkem/PRECISE2020_Book_of_Abstracts.pdf). [COBISS.SI-ID [21801731](#)]
- 66.** KRAŠEVEC, Ida, MENART, Eva, KRALJ CIGIČ, Irena, STRLIČ, Matija. APACHE project and museum microenvironment monitoring in the National Museum of Slovenia : [oral presentation]. In: PINTAR, Albin (ed.), et al. *Zbornik povzetkov = Book of abstracts : Slovenski kemijski dnevi 2020 = 26th Annual Meeting of the Slovenian Chemical Society : 16.-18. september 2020, Portorož, Portorose, Slovenija*. Ljubljana: Slovensko kemijsko društvo, 2020. Str. 94. ISBN 978-961-93849-7-8. [COBISS.SI-ID [31959555](#)]
- 67.** RIJAVEC, Tjaša, KRAŠEVEC, Ida, STRLIČ, Matija, KRALJ CIGIČ, Irena. Development of analytical methods to characterise PVC degradation. In: PINTAR, Albin (ed.), et al. *Zbornik povzetkov = Book of abstracts : Slovenski kemijski dnevi 2020 = 26th Annual Meeting of the Slovenian Chemical Society : 16.-18. september 2020, Portorož, Portorose, Slovenija*. Ljubljana: Slovensko kemijsko društvo, 2020. Str. 157. ISBN 978-961-93849-7-8. [COBISS.SI-ID [31970819](#)]
- 68.** STRLIČ, Matija, KRALJ CIGIČ, Irena, HRIBAR, Kristina, RETKO, Klara, ROPRET, Polonca. E-RIHS (Evropska raziskovalna infrastruktura za dediščinsko znanost). In: PINTAR, Albin (ed.), et al. *Zbornik povzetkov = Book of abstracts : Slovenski kemijski dnevi 2020 = 26th Annual Meeting of the Slovenian Chemical Society : 16.-18. september 2020, Portorož, Portorose, Slovenija*. Ljubljana: Slovensko kemijsko društvo, 2020. Str. 196. ISBN 978-961-93849-7-8. [COBISS.SI-ID [31980547](#)]
- 69.** MENART, Eva, NEMEČEK, Nataša, KRALJ CIGIČ, Irena, PUCELJ KRAJNC, Helena. Study of preventive conservation procedure for paintings on iron plates. In: CHEMELLO, Claudia (ed.), BRAMBILLA BRUNI, Laura (ed.), JOSEPH, Edith (ed.). *Metal 2019 : proceedings of the Interim Meeting of the ICOM-CC Metals Working Group, September 2-6, 2019, Neuchâtel, Switzerland*. [Paris?]: International Council of Museums - Committee for Conservation (ICOM-CC), cop. 2019. Str. 451. ISBN 978-92-9012-458-0. [COBISS.SI-ID [10298464](#)]
- 70.** RIJAVEC, Tjaša, KRALJ CIGIČ, Irena. Oxidative degradation of spermine and spermidine : [lecture]. In: METELKA, Radovan (ed.). *YISAC 2019 : book of abstracts*. Pardubice: University of Pardubice, cop. 2019. Str. 24, ilustr. ISBN 978-80-7560-224-4. <http://yisac2019.upce.cz/wp-content/uploads/2019/06/Book-of-abstracts-YISAC-2019.pdf>. [COBISS.SI-ID [1538259907](#)]
- 71.** RIJAVEC, Tjaša, KRALJ CIGIČ, Irena. Determination of polyamines and their oxidative degradation products. In: PINTAR, Albin (ed.). *Zbornik povzetkov = Book of abstracts*. 25th Annual Meeting of the Slovenian Chemical Society, 25.-27. september 2019, Maribor, Slovenija. Ljubljana: Slovensko kemijsko društvo, 2019. Str. 140, ilustr. ISBN 978-961-93849-6-1. [COBISS.SI-ID [1538381763](#)]
- 72.** ROPRET, Polonca, KRALJ CIGIČ, Irena. E-RIHS Slovenian national hub : [lecture]. In: *Transnational cooperation in cultural heritage science : book of abstracts*. [S. l.: s. n., 2018]. Str. a9. [COBISS.SI-ID [1537939395](#)]
- 73.** ZUPANČIČ, Urška, KRALJ CIGIČ, Irena. The influence of selected oxide pigments on drying of linseed oil : [lecture]. In: *Book of abstracts*. 24th Young Investigators Seminar on Analytical Chemistry, Venice, 28th-30th June 2017, Italy. [Venice: s. n., 2017]. Str. 30, ilustr. [COBISS.SI-ID [1537456835](#)]
- 74.** KRAŠEVEC, Ida, NEMEČEK, Nataša, LOZAR ŠTAMCAR, Maja, KRALJ CIGIČ, Irena, PROSEN, Helena. Determination of pentachlorophenol in wooden artifacts : [lecture]. In: BRYCHT, Mariola (ed.). *Book of abstracts*. 22nd Young Investigators' Seminar on Analytical Chemistry, Lodz, June 30th - July 4th, 2015. [S. l.: s. n., 2015]. Str. 70. [COBISS.SI-ID [1536405955](#)]
- 75.** DRVARIČ TALIAN, Sara, MARIČ, Ajda, POHLEVEN, Franc, GREGORI, Andrej, KRALJ CIGIČ, Irena. Simultaneous determination of mycotoxin citrinin and cholesterol-lowering drugs monocolins : [lecture]. In: BRYCHT, Mariola (ed.). *Book of abstracts*. 22nd Young Investigators' Seminar on Analytical Chemistry, Lodz, June 30th - July 4th, 2015. [S. l.: s. n., 2015]. Str. 71. [COBISS.SI-ID [1536406211](#)]
- 76.** ZUPANČIČ, Urška, LEVART, Alenka, KRALJ CIGIČ, Irena. Determination of fatty acid profile of poppy seed, walnut and linseed oil during UV ageing. In: KLJUN, Jakob (ed.), KLEMENČIČ, Marina (ed.), DRVARIČ TALIAN, Sara (ed.). *Cutting edge 2015 : scientific conference, Ljubljana, September 2015 : book of abstracts*. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2015. Str. 34, ilustr. ISBN 978-961-6756-62-4. <http://www.cutting-edge.si/wp-content/uploads/2014/12/Cutting-Edge-2015-Book-of-abstracts.pdf>. [COBISS.SI-ID [1536508355](#)]
- 77.** BENIGAR, Elizabeta, DOGŠA, Iztok, KRALJ CIGIČ, Irena, ZUPANČIČ-VALANT, Andreja, SRETENOVIČ, Simon, STOPAR, David, JAMNIK, Andrej, TOMŠIČ, Matija. Strukturne raziskave vodnih raztopin komponent biofilma bakterije *Bacillus subtilis*. In: KLJUN, Jakob (ed.), KLEMENČIČ, Marina (ed.). *Kemijske znanosti 2015 : zbornik povzetkov*. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2015. Str. 21-22, ilustr. ISBN 978-961-6756-51-8. [COBISS.SI-ID [1536213699](#)]
- 78.** LEVART, Alenka, ŠMON, Andraž, REZAR, Vida, ČOLOVIČ, Dušica, ČOLOVIČ, Radmilo, SALOBIR, Janez, KRALJ CIGIČ, Irena. Aldehidi in ketoni kot markerji oksidacije maščob v krmnih mešanica za živali, obogatenih z n-3 PUFA = Aldehydes and ketones as markers of lipid oxidation in animal feed enriched with n-3 PUFA. In: KAUČIČ, Venčeslav (ed.), et al. *Zbornik referatov in povzetkov*. Slovenski kemijski dnevi 2015, Ljubljana, 24. - 25. september 2015 = Slovenian Chemical Days 2015, Ljubljana, September 24 - 25, 2015. Ljubljana: Slovensko kemijsko društvo, 2015. Str. [1-2]. ISBN 978-961-93849-1-6. [COBISS.SI-ID [3627144](#)]

- 79.** MAROLT, Gregor, ROBBA, Ana, PETERLIN, Mojca, KRALJ CIGIĆ, Irena, VEBER, Marjan. Comparison of analytical methods for separation and detection of selected amino acids. In: KAUČIČ, Venčeslav (ed.), et al. *Zbornik referatov in povzetkov*. Slovenski kemijski dnevi 2015, Ljubljana, 24. - 25. september 2015 = Slovenian Chemical Days 2015, Ljubljana, September 24 - 25, 2015. Ljubljana: Slovensko kemijsko društvo, 2015. Str. [1]. ISBN 978-961-93849-1-6. [COBISS.SI-ID [1536536003](#)]
- 80.** PAVLIN, Nejc, OGRINC POTOČNIK, Nina, KRALJ, Polonca, KRALJ CIGIĆ, Irena. Vpliv kemijske obdelave surovin kartona na hlapne organske snovi = Influence of chemical treatment of cardboard pulp on volatile organic compounds. In: PREBIL BAŠIN, Petra (ed.), FISTER, Ana (ed.). [*Iz tradicije v prihodnost*] : *zbornik povzetkov* = [*From tradition to the future*] : *book of abstracts*. 18. dan slovenskega papirništva in 41. mednarodni letni simpozij Društva inženirjev in tehnikov papirništva Slovenije (DITP), 19. - 20. november 2014, Bled, Slovenija. Ljubljana: GZS ZPPPI: DITP, 2014. Str. 48-49. [COBISS.SI-ID [1536085187](#)]
- 81.** ŠMON, Andraž, LEVART, Ajenka, KRALJ CIGIĆ, Irena. Determination of volatile organic compounds in feeding stuffs : [lecture]. In: BRODNJAK-VONČINA, Darinka (ed.), KOLAR, Mitja (ed.). *Book of abstracts*. 20th Young Investigators' Seminar on Analytical Chemistry - YISAC 2013, Maribor, June 26th - June 29th, 2013. Maribor: Faculty of Chemistry and Chemical Engineering, 2013. Str. 11. ISBN 978-961-248-396-8, ISBN 978-961-248-397-5. [COBISS.SI-ID [36882437](#)]
- 82.** MOŽIR, Alenka, KRALJ CIGIĆ, Irena, STRLIČ, Matija. Assessment of oxidation processes in parchment using chemiluminometry. In: *Abstract book : 7th MoDeSt Conference, 2 - 6 September, 2012, Prague, Czech Republic*. 7th MoDeSt Conference, 2 - 6 September, 2012, Prague, Czech Republic. Prague: Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic. 2012, str. [270-271]. [COBISS.SI-ID [36179205](#)]
- 83.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, MOŽIR, Alenka, DESELCU, Viorica, RABIN, Ira. Are hypoxic conditions beneficial for parchment documents?. In: *Book of abstracts : IAQ : Indoor air quality 2012 : standards and guidelines*. 10th International Conference Indoor Air Quality in Heritage and Historic Environments, UCL Centre for Sustainable Heritage, London, United Kingdom, 17th - 20th June, 2012. [S. l.: s. n.], 2012. Str. 92. [COBISS.SI-ID [36045573](#)]
- 84.** MOŽIR, Alenka, KRALJ CIGIĆ, Irena, BRUIN, Gerrit de, LARSEN, René, FRANCE, Fenella, NTANOS, Kostas, GARSIDE, Paul, STRLIČ, Matija. Development of a dose-response function for parchment. In: *Book of abstracts : IAQ : Indoor air quality 2012 : standards and guidelines*. 10th International Conference Indoor Air Quality in Heritage and Historic Environments, UCL Centre for Sustainable Heritage, London, United Kingdom, 17th - 20th June, 2012. [S. l.: s. n.], 2012. Str. 98. [COBISS.SI-ID [36046341](#)]
- 85.** TRAFELA, Tanja, KRALJ CIGIĆ, Irena, STRLIČ, Matija. Systematic investigation of interferences in the use of SPME fibres in studies of degradation of organic materials. In: *Book of abstracts : IAQ : Indoor air quality 2012 : standards and guidelines*. 10th International Conference Indoor Air Quality in Heritage and Historic Environments, UCL Centre for Sustainable Heritage, London, United Kingdom, 17th - 20th June, 2012. [S. l.: s. n.], 2012. Str. 109. [COBISS.SI-ID [36046597](#)]
- 86.** ULČNIK, Ajda, KRALJ CIGIĆ, Irena, POHLEVEN, Franc. Removal of lindane and endosulfan via adsorption onto fungal biomass. In: *Programme, abstract book : (biosorption and bioremediation III)*. 12th International Biodeterioration and Biodegradation Symposium, Prague, Czech Republic, July 14 - 18, 2002, Hotel Praha. [S. l.: s. n.], 2002. Str. 148. [COBISS.SI-ID [2032265](#)]
- 87.** MOŽIR, Alenka, KRALJ CIGIĆ, Irena, RABIN, Ira, HAHN, Oliver, STRLIČ, Matija. Non-destructive assessment of parchment degradation using Raman spectroscopy. In: *Abstracts*. Lasers in the Conservation of Artworks, 7-10 September 2011, The British Museum. [S. l.: s. n.], 2011. Str. 87. [COBISS.SI-ID [35589125](#)]
- 88.** VOVK, Tomaž, ŠVENCIBIR, Tadej, SEVER, Marko, KRALJ CIGIĆ, Irena, ROŠKAR, Robert. Garlic oil extract compounds with potential antioxidant activity in lipid peroxidation. In: *Analysis of Free Radicals, Modifications and Redox Signalling, 18-19 April 2011, Aston University, Birmingham, UK : programme & abstracts*. [S.l.: s.n.], 2011. Str. 37. [COBISS.SI-ID [3018865](#)]
- 89.** MOŽIR, Alenka, KOLAR, Jana, BRUIN, Gerrit de, DESELCU, Viorica, KRALJ CIGIĆ, Irena, STRLIČ, Matija, TRAFELA, Tanja. Non-destructive characterisation and dating of historic parchment using near infrared spectroscopy : [oral presentation]. In: *Art'11 : abstract book*. 10th International Conference on non-destructive investigations and microanalysis for the diagnostics and conservation of cultural and environmental heritage, Florence, Palazzo degli Affari - FirenceFiera, 2011, April 13th-15th. Brescia: Italian Society for Non-destructive Testing Monitoring Diagnostics, 2011. Str. 37. [COBISS.SI-ID [35589893](#)]
- 90.** MOŽIR, Alenka, STRLIČ, Matija, KRALJ CIGIĆ, Irena, RABIN, Ira, HAHN, Oliver. A study of parchment degradation using synchrotron-infrared spectroscopy. In: *Non-destructive and microanalytical techniques in art and cultural heritage : abstracts and programme*. Technart 2011, Berlin, 26 - 29 April 2011. [S. l.: s. n.], 2011. Str. 140. [COBISS.SI-ID [35589381](#)]
- 91.** OGRINC POTOČNIK, Nina, KRALJ CIGIĆ, Irena. Določanje hlapnih organskih spojin v kartonu = Determination of volatile organic compounds in cardboard. In: KRAVANJA, Zdravko (ed.), BRODNJAK-VONČINA, Darinka (ed.), BOGATAJ, Miloš (ed.). *Zbornik povzetkov referatov s posvetovanja*. Slovenski kemijski dnevi 2011, Portorož, 14.-16. september 2011. Maribor: FKKT, 2011. Str. 99. ISBN 978-961-248-288-6. [COBISS.SI-ID [35416837](#)]
- 92.** MOŽIR, Alenka, KRALJ CIGIĆ, Irena, STRLIČ, Matija, WESS, Tim J. Študija razgradnje zgodovinskih pergamentov z uporabo rentgenske difraktometrije, bližnje infrardeče spektrometrije in multivariatne analize = A study of historic parchment using x-ray diffraction, near infrared spectrometry and multivariate data analysis : [predavanje]. In: KRAVANJA, Zdravko (ed.), BRODNJAK-VONČINA, Darinka (ed.), BOGATAJ, Miloš (ed.). *Zbornik povzetkov referatov s posvetovanja*. Slovenski

kemijski dnevi 2011, Portorož, 14.-16. september 2011. Maribor: FKKT, 2011. Str. 94. ISBN 978-961-248-288-6.  
[COBISS.SI-ID [35416581](#)]

**93.** STRLIČ, Matija, THOMAS, Jacob, TRAFELA, Tanja, CSEFALVAYOVA, Linda, KRALJ CIGIĆ, Irena, KOLAR, Jana, BRUIN, Gerrit de, CASSAR, May. The scent of degradation: VOCs as a source of information : [lecture]. In: *IAQ in museums and archives : IAQ2010*. 9th Indoor Air Quality meeting, Chalon-sur-Saône, France, 21-23 April 2010. [S. l.: s. n.], 2010. Str. 47. [COBISS.SI-ID [34047749](#)]

**94.** FENECH, Ann, STRLIČ, Matija, KRALJ CIGIĆ, Irena, LEVART, Alenka, GIBSON, Lorraine, BRUIN, Gerrit de, NTANOS, Kostas, KOLAR, Jana, CASSAR, May. Volatile aldehydes in libraries and archives : [lecture]. In: *IAQ in museums and archives : IAQ2010*. 9th Indoor Air Quality meeting, Chalon-sur-Saône, France, 21-23 April 2010. [S. l.: s. n.], 2010. Str. 75. [COBISS.SI-ID [34049029](#)]

**95.** KRALJ CIGIĆ, Irena, MOŽIR, Alenka, STRLIČ, Matija, KOLAR, Jana. Volatile organic compounds in books after mass deacidification : [lecture]. In: *IAQ in museums and archives : IAQ2010*. 9th Indoor Air Quality meeting, Chalon-sur-Saône, France, 21-23 April 2010. [S. l.: s. n.], 2010. Str. 77. [COBISS.SI-ID [34049541](#)]

**96.** KOŠMERL, Tatjana, MIKLAVČIČ VIŠNJEVEC, Ana, KRALJ CIGIĆ, Irena, CIGIĆ, Blaž. Preparation and characterisation of lyophilised wine extracts = Préparation et caractérisation des extraits lyophilisés de vin = Preparazione e descrizione degli estratti liofilizzati del vino. In: KUBANOVIĆ, Veronika (ed.). *32nd World Congress of Vine and Wine : 7th General Assembly of the OIV, June 28th - July 3rd 2009 - Zagreb - Croatia : [presentation summaries] = 32. Svjetski kongres vinogradarstva i vinarstva : 7. Generalna skupština OIV-a, 28. lipnja - 3. srpnja 2009 - Zagreb - Hrvatska : [Knjiga sažetaka] = 32ème Congrès mondial de la vigne et du vin : 7ème Assemblée générale de l' OIV, 28 juin - 3 juillet 2009 - Zagreb - Croatie : [Résumés des communications] = 32. Weltkongress für Rebe und Wein : 7. Generalversammlung der OIV, 28 Juni - 3 Juli 2009 - Zagreb - Kroatien : [Zusammenfassungen der Beiträge] = 32º Congreso mundial de la viña y el vino : 7a Asamblea general de la OIV, 28 junio - 3 julio 2009 - Zagreb - Croacia : [Resúmenes de comunicaciones] = 32º Congresso mondiale della vigna e del vino : 7a Assemblea generale dell' OIV, 28 giugno - 3 luglio 2009 - Zagabria - Croazia : [Riassunti delle comunicazioni]*. [Zagreb]: Ministarstvo poljoprivrede, ribarstva i ruralnog razvoja, [2009]. Str. 110, ii.c.14. ISBN 978-953-6718-11-5. [COBISS.SI-ID [3652728](#)]

**97.** TRAFELA, Tanja, STRLIČ, Matija, KRALJ CIGIĆ, Irena, KOLAR, Jana, PIHLAR, Boris. Volatile 'degradic' fingerprinting of historical paper : [lecture]. In: *Abstracts*. MaSC 2009 meeting, Clore Education Centre, British Museum, London, UK, 2-3 april 2009. [S. l.: s. n.], 2009. Str. 25. [COBISS.SI-ID [30382853](#)]

**98.** MENART, Eva, KRALJ CIGIĆ, Irena, STRLIČ, Matija, PROSEN, Helena. Comparison of methods for formaldehyde determination in air : [lecture]. In: *Book of abstracts*. Young Investigators' Seminar on Analytical Chemistry (YISAC), Graz, Austria, 29.6. - 2.7. 2009. [S. l.: s. n.], 2009. Str. 42-43. [COBISS.SI-ID [30782469](#)]

**99.** STRLIČ, Matija, THOMAS, Jacob, TRAFELA, Tanja, CSEFALVAYOVA, Linda, KRALJ CIGIĆ, Irena. The scent of degradation : material degradomics, a new concept : [lecture]. In: *Modeling of the historic environment and of materials*. COST D42 ENVIART WG2 Meeting, 21-22.09.2009, Sibiu, Romania. [S. l.: s. n.], 2009. F. 1. [COBISS.SI-ID [33268997](#)]

**100.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, RABIN, Ira, KOLAR, Jana. Volatiles from parchment : valuable source of information : [lecture]. In: *Modeling of the historic environment and of materials*. COST D42 ENVIART WG2 Meeting, 21-22.09.2009, Sibiu, Romania. [S. l.: s. n.], 2009. F. 4. [COBISS.SI-ID [33269509](#)]

**101.** VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIĆ, Irena, STRLIČ, Matija, KOŠMERL, Tatjana. Evolution of aroma compounds during malolactic fermentation of cool-climate varieties Welsh Riesling and Sauvignon. In: *Sensory development of cool-climate varieties during wine fermentation*. The XXIes Entretiens Scientifiques Lallemand and the 115th Anniversary of The Geisenheimer Hefe-Reinzucht-Station, Geisenheim, Germany, April 24, 2009. Geisenheim: Geisenheim Institute, 2009. Str. 11. [COBISS.SI-ID [3626872](#)]

**102.** KOŠMERL, Tatjana, JAKONČIČ, Mitja, KRALJ CIGIĆ, Irena, STRLIČ, Matija, PROSEN, Helena. Aroma compounds in "sur lies" produced and aged Chardonnay wines. In: *31º Congresso mondiale della vigna e del vino [anche] 6a Assemblea Generale dell'O.I.V., 15-20 Giugno 2008, Verona, Italia : riassunti delle comunicazioni = 31st World Congress of Vine and Wine [and] 6th General Assembly of the O.I.V., June 15-20, 2008, Verona, Italy : presentation summaries = 31ème Congrès Mondial de la Vigne et du Vin [et] 6ème Assemblée Générale de l'O.I.V., 15-20 Juin 2008, Verona, Italie : résumés des communications = 31. Weltkongress für Rebe und Wein [und] 6. Generalversammlung der O.I.V., 15-20 Juni 2008, Verona, Italien : Zusammenfassungen der Beiträge = 31º Congreso Mundial de la Viña y del Vino [y] 6a Asamblea General de la O.I.V., 15-20 de junio de 2008, Verona, Italia : resúmenes de comunicaciones*. [Paris: Organisation Internationale de la Vigne et du Vin (OIV); Roma: Ministero delle Politiche Agricole Alimentari e Forestali], 2008. Str. 278, p.ii.033. [COBISS.SI-ID [3475320](#)]

**103.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, KOLAR, Jana, MOŽIR, Alenka. Emissions of volatile compounds from paper after mass deacidifications. In: *8th Indoor air quality 2008 meeting, 17th - 19th april 2008, Kunsthistorisches Museum Vienna : IAQ in museums and archives*. [S. l.: s. n.], 2008. Str. p-18. [COBISS.SI-ID [29446917](#)]

**104.** CSEFALVAYOVA, Linda, STRLIČ, Matija, PELIKAN, M., KRALJ CIGIĆ, Irena, KOLAR, Jana. NIR-chemometrics : quantification of gelatin in historical papers. In: *8th Indoor air quality 2008 meeting, 17th - 19th april 2008, Kunsthistorisches Museum Vienna : IAQ in museums and archives*. [S. l.: s. n.], 2008. Str. p-17, ilustr. [COBISS.SI-ID [29447173](#)]



- 105.** STRLIČ, Matija, KRALJ CIGIČ, Irena, KOLAR, Jana, BRUIN, Gerrit de. Volatile compounds emitted from paper : [oral presentation]. In: *8th Indoor air quality 2008 meeting, 17th - 19th april 2008, Kunsthistorisches Museum Vienna : IAQ in museums and archives*. [S. l. : s. n.], 2008. [1] str. [COBISS.SI-ID [29446661](#)]
- 106.** BRUIN, Gerrit de, STEEMERS, Ted, STRLIČ, Matija, KOLAR, Jana, KRALJ CIGIČ, Irena. Knowledge transfer from a stakeholder perspective : research on organic volatiles in archival collections meets practice. In: KOLAR, Jana (ed.), STRLIČ, Matija (ed.). *Cultural heritage meet practice : book of abstracts : conference preprints*. Ljubljana: Narodna in univerzitetna knjižnica, 2008. Str. 217-218. ISBN 978-961-6551-25-0. [COBISS.SI-ID [30114309](#)]
- 107.** KRALJ CIGIČ, Irena, MOŽIR, Alenka, KOLAR, Jana, ŠELIH, Vid Simon, STRLIČ, Matija. Towards standard quality control of paper mass deacidification. In: KOLAR, Jana (ed.), STRLIČ, Matija (ed.). *Cultural heritage meet practice : book of abstracts : conference preprints*. Ljubljana: Narodna in univerzitetna knjižnica, 2008. Str. 269-270. ISBN 978-961-6551-25-0. [COBISS.SI-ID [30114565](#)]
- 108.** CSEFALVAYOVA, Linda, STRLIČ, Matija, PELIKAN, M., KRALJ CIGIČ, Irena, KOLAR, Jana. Determination of gelatine in historic rag papers based on NIR/chemometric. In: STRLIČ, Matija (ed.), KOLAR, Jana (ed.). *Durability of paper and writing 2 : book of abstracts : 2nd international symposium and workshops, Ljubljana, Slovenia, July 7-9, 2008*. Ljubljana: Faculty of Chemistry and Chemical Technology, 2008. Str. 71-72, ilustr. ISBN 978-961-6286-97-8. [COBISS.SI-ID [29641477](#)]
- 109.** STRLIČ, Matija, KOLAR, Jana, PUCKO, Danijela, KRALJ CIGIČ, Irena, PIHLAR, Boris. The POPYLUM project : chemiluminometry for studies of material oxidation. In: STRLIČ, Matija (ed.), KOLAR, Jana (ed.). *Durability of paper and writing 2 : book of abstracts : 2nd international symposium and workshops, Ljubljana, Slovenia, July 7-9, 2008*. Ljubljana: Faculty of Chemistry and Chemical Technology, 2008. Str. 88-89, graf. prikazi. ISBN 978-961-6286-97-8. [COBISS.SI-ID [29642501](#)]
- 110.** STRLIČ, Matija, KRALJ CIGIČ, Irena, KOLAR, Jana, BRUIN, Gerrit de, STEEMERS, Ted. The role of volatile organic compounds in paper degradation : [oral presentation]. In: STRLIČ, Matija (ed.), KOLAR, Jana (ed.). *Durability of paper and writing 2 : book of abstracts : 2nd international symposium and workshops, Ljubljana, Slovenia, July 7-9, 2008*. Ljubljana: Faculty of Chemistry and Chemical Technology, 2008. Str. 28-29, graf. prikazi. ISBN 978-961-6286-97-8. [COBISS.SI-ID [29640965](#)]
- 111.** CSEFALVAYOVA, Linda, PELIKAN, M., KRALJ CIGIČ, Irena, KOLAR, Jana, STRLIČ, Matija. NIR/Chemometric and genetic algorithms for gelatin determination : [oral presentation]. In: STRLIČ, Matija (ed.), KOLAR, Jana (ed.), KRALJ CIGIČ, Irena (ed.). *NIR/chemometrics for cultural heritage : book of abstracts*. Ljubljana: Faculty of Chemistry and Chemical Technology, 2008. Str. 16. ISBN 978-961-6756-02-0. [COBISS.SI-ID [29995269](#)]
- 112.** KRALJ CIGIČ, Irena, STRLIČ, Matija, RABIN, Ira, KOLAR, Jana. Study of VOC emissions from new, aged, and differently treated parchment. In: *Program and book of abstracts : non-destructive investigations and microanalysis for the diagnostic and conservation of cultural and environmental heritage*. 9th international conference Art 2008, Jerusalem, Israel, May 25-30, 2008. Jerusalem: ISAS International Seminars, [2008]. Str. 205. [COBISS.SI-ID [29546757](#)]
- 113.** KRALJ CIGIČ, Irena, STRLIČ, Matija, KOLAR, Jana. Analysis of volatiles in paper for evaluation of its pH = Ocena pH na osnovi določitve hlapnih spojin v papirju. In: BAVCON KRALJ, Mojca (ed.), TREBŠE, Polonca (ed.). *Book of abstracts = Knjiga povzetkov*. 15th International Symposium Spectroscopy in Theory and Practice = 15. mednarodni simpozij Spektroskopija v teoriji in praksi, Nova Gorica, Slovenija, 18.-21. april 2007. Nova Gorica: Univerza, 2007. Str. 80. ISBN 978-961-6311-44-1. [COBISS.SI-ID [28567557](#)]
- 114.** KRALJ CIGIČ, Irena, MIKLAVČIČ VIŠNJEVEC, Ana, KOŠMERL, Tatjana, CIGIČ, Blaž. Influence of freeze drying on the wine aroma = Vpliv liofilizacije na aromo vina. In: BAVCON KRALJ, Mojca (ed.), TREBŠE, Polonca (ed.). *Book of abstracts = Knjiga povzetkov*. 15th International Symposium Spectroscopy in Theory and Practice = 15. mednarodni simpozij Spektroskopija v teoriji in praksi, Nova Gorica, Slovenija, 18.-21. april 2007. Nova Gorica: Univerza, 2007. Str. 90. ISBN 978-961-6311-44-1. [COBISS.SI-ID [28568581](#)]
- 115.** KOŠMERL, Tatjana, JAKONČIČ, Mitja, KRALJ CIGIČ, Irena, STRLIČ, Matija. The influence of "sur lies" aging on aroma compounds in chardonnay wines : [lecture]. In: RUSJAN, Denis (ed.), STRLIČ, Matija (ed.). *From grape to wine : book of abstracts*. Ljubljana: Biotechnical Faculty, 2007. Str. 2. ISBN 978-961-6379-10-6. [COBISS.SI-ID [28772613](#)]
- 116.** KOŠMERL, Tatjana, VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIČ, Irena, STRLIČ, Matija. Content of free amino acids during malolactic fermentation of white wines : [lecture]. In: RUSJAN, Denis (ed.), STRLIČ, Matija (ed.). *From grape to wine : book of abstracts*. Ljubljana: Biotechnical Faculty, 2007. Str. 3. ISBN 978-961-6379-10-6. [COBISS.SI-ID [28772869](#)]
- 117.** VRŠČAJ VODOŠEK, Tatjana, KRALJ CIGIČ, Irena, STRLIČ, Matija, KOŠMERL, Tatjana. The utilization of free amino acids during malolactic fermentation of Malvasia wine. In: *II Simposio internazionale "Malvasie del Mediterraneo", 2-6 Ottobre 2007 - Salina (Me) : libro dei riassunti = II International symposium "Mediterranean Malvasias", 2-6 October 2007 - Salina (Me) : book of abstracts*. Palermo: Università degli Studi di Palermo, Dipartimento di Colture Arboree [etc.], 2007. Str. 46. [COBISS.SI-ID [3382136](#)]
- 118.** KOŠMERL, Tatjana, VRŠČAJ VODOŠEK, Tatjana, WONDRÁ, Mojmir, KRALJ CIGIČ, Irena, STRLIČ, Matija. The influence of malolactic fermentation on free amino acid content in white wines. In: RASPOR, Peter (ed.), et al. *Tehnologija, inovacije, prehrana, zdravi potrošniki : zbornik izvlečkov = Food processing, innovation, nutrition, healthy consumers : book of abstracts*. 3. slovenski kongres o hrani in prehrani = 3rd Slovenian Congress on Food and Nutrition, 23.-26. september 2007, Radenci, Slovenija. Ljubljana: Slovenian Nutrition Society, 2007. Str. 41, s03-05. ISBN 978-961-90571-2-4. [COBISS.SI-ID [3355256](#)]

- 119.** STRLIČ, Matija, RUSJAN, Denis, KOČAR, Drago, TRAFELA, Tanja, KRALJ CIGIĆ, Irena, PROSEN, Helena. Chromatography in grape and wine analysis. In: STRLIČ, Matija (ed.), BUCHBERGER, Wolfgang (ed.). *Book of abstracts : Lipica 2006*. 12th International Symposium on Separation Sciences, Lipica, Slovenia, September 27th-29th, 2006. Ljubljana: Slovensko kemijsko društvo, 2006. Str. 33-34 (k8). ISBN 961-90731-6-9, ISBN 978-961-90731-6-2. [COBISS.SI-ID [4763513](#)]
- 120.** VRŠČAJ VODOŠEK, Tatjana, KOŠMERL, Tatjana, KRALJ CIGIĆ, Irena, STRLIČ, Matija. Determination of free amino acids in Slovenian white wines during malolactic fermentation by HPLC coupled with DAD detection. In: STRLIČ, Matija (ed.), BUCHBERGER, Wolfgang (ed.). *Book of abstracts : Lipica 2006*. 12th International Symposium on Separation Sciences, Lipica, Slovenia, September 27th-29th, 2006. Ljubljana: Slovensko kemijsko društvo, 2006. Str. 286-287, p88. ISBN 961-90731-6-9, ISBN 978-961-90731-6-2. [COBISS.SI-ID [28034565](#)]
- 121.** KRALJ CIGIĆ, Irena, MRVAR, Danijela, KOLAR, Jana, STRLIČ, Matija. VOC emissions from deacidified paper. In: STRLIČ, Matija (ed.), BUCHBERGER, Wolfgang (ed.). *Book of abstracts : Lipica 2006*. 12th International Symposium on Separation Sciences, Lipica, Slovenia, September 27th-29th, 2006. Ljubljana: Slovensko kemijsko društvo, 2006. Str. 150-152, graf. prikazi. ISBN 961-90731-6-9, ISBN 978-961-90731-6-2. [COBISS.SI-ID [28034053](#)]
- 122.** KRALJ CIGIĆ, Irena, PROSEN, Helena. Assessing the authenticity of black tea aroma by GC-MS = Ugotavljanje avtentičnosti arome črnega čaja z GC-MS. In: TREBŠE, Polonca (ed.), MOZETIČ VODOPIVEC, Branka (ed.). *Book of abstracts = Knjiga povzetkov*. 14th International Symposium Spectroscopy in Theory and Practice, Nova Gorica, Slovenia, April 10-13, 2005 = 14. mednarodni simpozij Spektroskopija v teoriji in praksi, Nova Gorica, Slovenija, 10.-13. april 2005. Nova Gorica: Politehnika, 2005. Str. 72. ISBN 961-6311-29-8. [COBISS.SI-ID [26640901](#)]
- 123.** STRLIČ, Matija, RUSJAN, Denis, KRALJ CIGIĆ, Irena, SUSIČ, Robert, KOROŠEC-KORUZA, Zora. Wine analysis: aminoacids and antioxidative properties. In: *FAV health 2005 : International symposium on human health effects of fruits and vegetables, August 17-20, 2005, Québec City, Québec, Canada*. [S. l.: s. n., 2005]. Str. 53. [COBISS.SI-ID [4392313](#)]
- 124.** KRALJ CIGIĆ, Irena, SCHREIBER, A., STRLIČ, Matija. Degradation of ochratoxin A. In: ŠEGUDOVIĆ, Nikola (ed.). *New achievements in chromatography : book of abstracts*. 10th International Symposium on Separation Sciences, Opatija, Croatia, October 13-15, 2004. Zagreb: Croatian Society of Chemical Engineers, Section for Chromatography, 2004. Str. p-66. ISBN 953-6894-19-X. [COBISS.SI-ID [26317061](#)]
- 125.** KRALJ CIGIĆ, Irena, GUČEK, Marjan, ZUPANČIČ-KRALJ, Lucija, PIHLAR, Boris. Determination of dienoic acids geometrical isomers. In: LOJZA, J. (ed.), et al. *Book of abstracts*. 1st International Symposium on Recent Advances in Food Analysis, Prague, November 5-7, 2003. Prague: Institute of Chemical Technology, 2003. Str. 46. ISBN 80-7080-528-5. [COBISS.SI-ID [25431045](#)]
- 126.** KRALJ CIGIĆ, Irena, KOCJANČIČ, Mitja, STRLIČ, Matija. SPE preconcentration of ochratoxin A in wine on-line coupled to HPLC system. In: LOJZA, J. (ed.), et al. *Book of abstracts*. 1st International Symposium on Recent Advances in Food Analysis, Prague, November 5-7, 2003. Prague: Institute of Chemical Technology, 2003. Str. 254. ISBN 80-7080-528-5. [COBISS.SI-ID [25431301](#)]
- 127.** KRALJ CIGIĆ, Irena, GUČEK, Marjan, ZUPANČIČ-KRALJ, Lucija, PIHLAR, Boris. Separation of geometrical isomers of conjugated dienoic acids using capillary electromigration techniques. In: BUCHBERGER, Wolfgang (ed.), STRLIČ, Matija (ed.). *Book of abstracts*. 7th International Symposium Advances in Analytical Separation Science, Pörtscach/Wörthersee, June 3rd-5th 2002. Ljubljana: Slovensko kemijsko društvo, 2002. Str. 100. ISBN 961-90731-3-4. [COBISS.SI-ID [24347909](#)]
- 128.** KRALJ CIGIĆ, Irena, ZUPANČIČ-KRALJ, Lucija. Study of photochemical transformation of sorbic acid. In: *Balaton symposium '99 on high-performance separation methods, September 1-3, 1999, Siófok (Hungary) : Book of abstracts*. Siófok: Research Institute for Medicinal Plants, 1999. P-40. [COBISS.SI-ID [21313285](#)]
- 129.** KRALJ CIGIĆ, Irena, BOGATAJ, Alenka, ZUPANČIČ-KRALJ, Lucija. Determination of geometrical isomers of decadienoates by gas and liquid chromatography. In: *22nd International Symposium on Chromatography, Roma, September 13-18, 1998 : book of abstracts*. [S. l.]: [s. n.], 1998. Str. 629, p-653. [COBISS.SI-ID [20018949](#)]
- 130.** PROSEN, Helena, KRALJ CIGIĆ, Irena, ZUPANČIČ-KRALJ, Lucija. Determination of phthalates in water. In: *Book of abstracts*. 5th International Symposium Chromatography & Hyphenated Techniques, Bled (Slovenia), October 5-9, 1998. Ljubljana: Slovenian Chemical Society, 1998. Str. 178, p-66. [COBISS.SI-ID [20018181](#)]
- 131.** JERNEJC, Katarina, NEMEC, Tamara, KRALJ CIGIĆ, Irena, KRALJ, Bogdan. Isolation and determination of sterols from *Aspergillus niger* mycellium. In: *Book of abstracts*. 5th International Symposium Chromatography & Hyphenated Techniques, Bled (Slovenia), October 5-9, 1998. Ljubljana: Slovenian Chemical Society, 1998. Str. 121, p-09. [COBISS.SI-ID [1736730](#)]
- 132.** KRALJ CIGIĆ, Irena, ZUPANČIČ-KRALJ, Lucija. Degradation of aroma during storage. In: *IUPAC Conference Degradation Process in the Environment : book of abstracts : May 24-28, 1998, Dubrovnik, Croatia*. [S. l.]: [s. n.], 1998. Po-11. [COBISS.SI-ID [20054021](#)]

### 1.13 Published professional conference contribution abstract

**133.** MENART, Eva, KRALJ CIGIČ, Irena. APACHE : nov projekt na temo dediščinske znanosti (EU OP Obzorje 2020) = a new heritage science project (EU FP Horizon 2020). *Konservator-restavrador : povzetki strokovnega srečanja*. 2019, str. 160, ilustr. ISSN 1854-5289. [COBISS.SI-ID [10134368](#)]

**134.** PETELIN, Nataša, MADŽARAC, Nada, VODOPIVEC, Jedert, KRALJ CIGIČ, Irena. Rescuing The Woman in White by Gabriel Stupica. In: GOLOB, Nataša (ed.), VODOPIVEC, Jedert (ed.). *Works of art on parchment and paper : book of abstracts : [International symposium], Ljubljana, 6th-8th June 2019*. 1st ed. Ljubljana: Znanstvena založba Filozofske fakultete: = Ljubljana University Press, Faculty of Arts: Arhiv Republike Slovenije: = The Archives of the Republic of Slovenia, 2019. Str. 37. ISBN 978-961-06-0211-8. [COBISS.SI-ID [2099061](#)]

### 1.17 Independent professional component part or a chapter in a monograph

**135.** MENART, Eva (author, photographer), KRALJ CIGIČ, Irena (author, photographer). Onesnaženje. In: *Priročnik : muzejska konzervatorska in restavratska dejavnost*. [Tiskana izd.]. Ljubljana: Skupnost muzejev Slovenije. 2020, 12 str., ilustr. <http://www.sms-muzeji.si/ckfinder/userfiles/files/8-3-2-Onesnazenje.pdf>. [COBISS.SI-ID [37841923](#)]

**136.** PETELIN, Nataša, MADŽARAC, Nada, KRALJ CIGIČ, Irena, VODOPIVEC, Jedert. Rescuing The woman in white by Gabriel Stupica. In: GOLOB, Nataša (ed.), VODOPIVEC, Jedert (ed.). *Works of art on parchment and paper : interdisciplinary approaches*. 1st ed. Ljubljana: Znanstvena založba Filozofske fakultete Univerze v Ljubljani: = Ljubljana University Press, Faculty of Arts: Arhiv Republike Slovenije: = The Archives of the Republic of Slovenia, 2019. Str. 205-208, ilustr. ISBN 978-961-06-0272-9. [COBISS.SI-ID [2133877](#)]

---

## MONOGRAPHS AND OTHER COMPLETED WORKS

### 2.03 Reviewed university, higher education or higher vocational education textbook

**137.** PROSEN, Helena, KRALJ CIGIČ, Irena, STRLIČ, Matija. *Praktikum iz analizne kemije : za univerzitetni študij kemije*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2018. 140 str., ilustr. ISBN 978-961-6756-55-6. [COBISS.SI-ID [296272640](#)]

**138.** PROSEN, Helena, KRALJ CIGIČ, Irena, STRLIČ, Matija. *Praktikum iz analizne kemije : za univerzitetni študij kemije*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2014. 140 str., ilustr. ISBN 978-961-6756-55-6. [COBISS.SI-ID [275846912](#)]

**139.** PROSEN, Helena, KRALJ CIGIČ, Irena, STRLIČ, Matija. *Praktikum iz analizne kemije : za univerzitetni študij kemije*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2012. 140 str., ilustr. ISBN 978-961-6756-34-1. [COBISS.SI-ID [263437824](#)]

**140.** KRALJ, Polonca, KRALJ CIGIČ, Irena, POMPE, Matevž, GUČEK, Marjan, LEVART, Alenka, KEBER, Ivanka, VEBER, Marjan. *Analizna kemija. Navodila za laboratorijske vaje : (univerzitetni študijski program farmacije)*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, Katedra za analizo kemijo, 2006 [i. e.] 2007. 105 str., ilustr. ISBN 961-6286-75-7, ISBN 978-961-6286-75-6. [COBISS.SI-ID [229748480](#)]

### 2.05 Other educational material

**141.** PROSEN, Helena, KRALJ CIGIČ, Irena, KRALJ, Polonca. *Kemija okolja : strokovni izbirni predmet : navodila za laboratorijske vaje : verzija 2.0 : za 2. letnik univerzitetnega študija kemije*. Ljubljana: [H. Prosen], 2012. 23 str., ilustr. <http://ucilnica.fkkt.uni-lj.si/>. [COBISS.SI-ID [36003589](#)]

**142.** PROSEN, Helena, KRALJ CIGIČ, Irena. *Navodila za vaje pri predmetu Kemijska analiza živil*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, Katedra za analizo kemijo, 2006 [i. e.] 2012. 61 str., ilustr. ISBN 978-961-6286-64-0. [COBISS.SI-ID [262132992](#)]

**143.** PROSEN, Helena, KRALJ CIGIČ, Irena, STRLIČ, Matija. *Praktikum iz analizne kemije : verzija 1.0 : za 2. letnik univerzitetnega študija kemija*. Ljubljana: [H. Prosen], 2010. 97 str., ilustr. <http://ucilnica.fkkt.uni-lj.si/course/view.php?id=30>. [COBISS.SI-ID [34440453](#)]

**144.** PROSEN, Helena, KRALJ CIGIČ, Irena. *Navodila za vaje pri predmetu Kemijska analiza živil*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2006. 61 str., ilustr. ISBN 961-6286-64-1. [COBISS.SI-ID [222189312](#)]

### 2.08 Doctoral dissertation

**145.** KRALJ CIGIĆ, Irena. *Pretvorbe derivatov dienojskih kislin : doktorska disertacija*. Ljubljana: [I. Kralj Cigić], 2002. 87 f., graf. prikazi. [COBISS.SI-ID [24651013](#)]

## 2.11 Undergraduate thesis

**146.** KRALJ CIGIĆ, Irena. *Določanje sterolov in maščobnih kislin v glivah rodu Aspergillus z GC - MS : diplomsko delo*. Ljubljana: [I. Kralj Cigić], 1996. 60 f., ilustr. [COBISS.SI-ID [16816645](#)]

## 2.12 Final research report

**147.** KRAŠEVEC, Ida, KRALJ CIGIĆ, Irena, STRLIČ, Matija, GRAU-BOVÉ, Josep (research coworker), COORAY, Himantha (research coworker), RIJAVEC, Tjaša (research coworker), MARKELJ, Jernej (research coworker), MENART, Eva (research coworker), ANDERS, Manfred (research coworker), ZIEMMAN, Steffen (research coworker). *Development of routine testing methods for the effect of enclosure materials on the quality of microenvironments : report : Active & intelligent PACKaging materials and display cases as a tool for preventive conservation of Cultural Heritage (APACHE) project*. Ljubljana: University of Ljubljana, 2020. 14 str., ilustr. [COBISS.SI-ID [46569731](#)]

**148.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, PIHLAR, Boris, KOLAR, Jana, BRUIN, Gerrit de, STEEMERS, Ted. *Final activity report : confidential : PaperVOC : L1-9710-0103-06 : volatile organic compounds in paper-based cultural heritage collections - source of information or health risk?*. Ljubljana: Univ. v Ljubljani, 2010. 1 zv. (loč. pag.), ilustr. [COBISS.SI-ID [33831685](#)]

**149.** STRLIČ, Matija, TRAFELA, Tanja, CSEFALVAYOVA, Linda, KRALJ CIGIĆ, Irena, PIHLAR, Boris, KOLAR, Jana, BALAŽIC, Aneta, LICHTBLAU, Dirk Andreas, ANDERS, Manfred, BRUIN, Gerrit de, KNIGHT, Barry, MARTIN, Graham, PALM, Jonas, SELMANI, Nikša, CHRISTENSEN, Mads Christian. *Final activity report : SSPI-006594 : SurveNIR : Near infrared spectroscopy tool for collection surveying*. Ljubljana: Univ. v Ljubljani, Fak. za kemijo in kemijsko tehnologijo, 2009. 62 str., ilustr. [COBISS.SI-ID [30430469](#)]

**150.** KOLAR, Jana, STRLIČ, Matija, BALAŽIC, Aneta, HABICHT, Špela, SMODIŠ, Mateja, ŠALA, Martin, KRALJ CIGIĆ, Irena, PUCKO, Danijela, ŠELIH, Vid Simon, KOČAR, Drago, TRAFELA, Tanja. *1st Periodic activity report : SSPI-006584 : PAPERTREAT : Evaluation of mass deacidification processes*. Ljubljana: Narodna in univerzitetna knjižnica, 2006. 36 str., ilustr. [COBISS.SI-ID [28259589](#)]

**151.** STRLIČ, Matija, KOLAR, Jana, PUCKO, Danijela, TRAFELA, Tanja, BALAŽIC, Aneta, HABICHT, Špela, KOČAR, Drago, KRALJ CIGIĆ, Irena, ŠELIH, Vid Simon, ŠALA, Martin, SMODIŠ, Mateja, et al. *1st Periodic activity report : SSPI-006594 : SurveNIR : Near infrared spectroscopy tool for collection surveying*. Ljubljana: Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo, 2006. 32 str., ilustr. [COBISS.SI-ID [28266501](#)]

## 2.13 Treatise, preliminary study, study

**152.** TRČEK PEČAK, Tamara, KRALJ CIGIĆ, Irena, KOKALJ, Gregor, VIDRAJZ, Mateja (editor). *Določitev razmerja med masnimi vezivi, polnili in pigmenti pri oljnih barvah s slik Marija Preglja : končno poročilo o izvedenih rezultatih projektnih aktivnosti*. Ljubljana: Akademija za likovno umetnost in oblikovanje, 2015. [20] str. [COBISS.SI-ID [3523438](#)]

## 2.25 Other monographs and other completed works

**153.** GODEC, Andrej (author, editor), KORENČ, Matevž, KOZJEK-ŠKOFIC, Irena, KRALJ CIGIĆ, Irena, PAVKO, Aleksander, PODLIPNIK, Črtomir, Poletna šola kemijskih znanosti 2013, 1. 7. 2013-5. 7. 2013. *Poletna šola kemijskih znanosti 2013, 1. 7. 2013-5. 7. 2013*. Ljubljana: Založba FKKT, 2013. 1 optični disk (DVD-ROM), barve. ISBN 978-961-6756-45-7. [COBISS.SI-ID [268098816](#)]

## 2.31 Proceedings of peer-reviewed scientific conference contributions (international and foreign conferences)

**154.** KRIŽNAR, Anabelle, KRALJ CIGIĆ, Irena, KOLAR, Jana, MOŽIR, Alenka, STRLIČ, Matija, TRAFELA, Tanja, et al. *Art'11 : proceedings book*. Brescia: Italian Society for Non-destructive Testing Monitoring Diagnostics, [2011]. 1 CD-ROM, barve. [COBISS.SI-ID [47592802](#)]

---

## PERFORMED WORKS (EVENTS)

### 3.15 Unpublished conference contribution

**155.** KRALJ CIGIĆ, Irena. *Determination of solvents residues in different materials : [lecture] : Seminar, GERSTEL oprema - uporaba v analitskem laboratoriju, Dvor Jezeršek, Zgornji Brnik, Cerklje na Gorenjskem.* Cerklje, 2011. [COBISS.SI-ID [35457285](#)]

**156.** KRALJ CIGIĆ, Irena. *Study of VOC emissions from new, historical, and treated parchment : D42 - Workshop, Jerusalem, Israel, 29 May, 2008.* Jerusalem, 2008. [COBISS.SI-ID [29545989](#)]

**157.** KRALJ CIGIĆ, Irena, STRLIČ, Matija, KOLAR, Jana, BRUIN, Gerrit de. *Emissions of VOCs from paper and their effect on degradation : Working group meeting COST action D42, Chemical interactions between cultural artefacts and indoor environment, in CNR, Area della Ricerca, Corso Stati Uniti 4, Padova (Italy) on 5/10/2007.* Padova, 2007. [COBISS.SI-ID [28977669](#)]

**158.** STRLIČ, Matija, KRALJ CIGIĆ, Irena, KOLAR, Jana, BRUIN, Gerrit de. *The PaperVOC project : measurement and simulation of VOC emissions from paper : COST Strategic Workshop, Ohrid, FYR of Macedonia, 31/05 - 02/06/2007.* Ohrid, 2007. [COBISS.SI-ID [29229573](#)]

**159.** KOČAR, Drago, STRLIČ, Matija, KRALJ CIGIĆ, Irena, KOLAR, Jana. *New instrumentation for paper testing : COST D42, Friday 8th December 2006, Gent, Belgium.* Gent, 2006. [COBISS.SI-ID [28260613](#)]

**160.** ZUPANČIČ-KRALJ, Lucija, PROSEN, Helena, KRALJ CIGIĆ, Irena, SANDRA, Pat. *Sample preparation : [lecture and practical presentation] : Workshop on 12th International Symposium on Separation Sciences, Lipica, Slovenia, September 27-29, 2006.* Lipica, 2006. [COBISS.SI-ID [35150085](#)]

### 3.25 Other performed works

**161.** PROSEN, Helena, KRALJ CIGIĆ, Irena. *Solid phase microextraction = Mikroekstrakcija na trdno fazo : [izvajanje delavnice] : Delavnica SPME, UL, Fakulteta za kemijo in kemijsko tehnologijo, 8. 10. 2009.* Ljubljana, 2009. [COBISS.SI-ID [35149317](#)]

**162.** COLOMBINI, Maria Perla, BONADUCE, Ilaria, ANDREOTTI, Alessia, KRALJ CIGIĆ, Irena. *GC/MS for organic heritage material characterisation : [organisation and practical presentation] : CHRESP Workshop no. 1 on 8th European Commission Conference on Sustaining Europe's Cultural Heritage, November 10-14, 2008, Ljubljana, Slovenia.* Ljubljana, 2008. [COBISS.SI-ID [35313925](#)]

**163.** STRLIČ, Matija, ZUPANČIČ-KRALJ, Lucija, KRALJ CIGIĆ, Irena, PROSEN, Helena, NOVIČ, Milko, VOVK, Irena, MLAKAR, Anita, SUSIČ, Robert, PUCKO, Danijela, TRAFELA, Tanja, Slovene members of organizing committee. *12th international symposium on separation sciences, Lipica, Slovenia, September 27-29, 2006.* 2006. [COBISS.SI-ID [3599130](#)]

---

## SECONDARY AUTHORSHIP

### Editor

**164.** *Heritage science.* KRALJ CIGIĆ, Irena (member of editorial board 2015-). London: Chemistry Central, 2013-. ISSN 2050-7445. <http://www.heritagesciencejournal.com/>. [COBISS.SI-ID [36621317](#)]

**165.** NEMEČEK, Nataša (responsible editor, author, photographer), MENART, Eva (member of editorial board, author, photographer), SLABE, Janja (author, photographer), PEROVŠEK, Sonja (author, photographer), VIRAG, Anita (author, photographer), LEMAJIČ, Gorazd (author, photographer), LANGUS, Irma (member of editorial board, author, photographer), RAVBAR, Igor (author, photographer), JESENOVEC, Damjan (author, photographer), PFLAUM, Miran (author, photographer), ŠUBIČ PRISLAN, Jana (author, photographer). *V dobrih rokah : 60 let Oddelka za konserviranje in restavriranje Narodnega muzeja Slovenije = In good hands : [60] years of the Department of Conservation and Restoration of the National Museum of Slovenia.* Ljubljana: Narodni muzej Slovenije, 2018. 213 str., ilustr., fotogr., portreti. ISBN 978-961-6981-34-7. [COBISS.SI-ID [297090304](#)]

**166.** STRLIČ, Matija (editor), KOLAR, Jana (editor), KRALJ CIGIĆ, Irena (editor). *NIR/chemometrics for cultural heritage : book of abstracts.* Ljubljana: Faculty of Chemistry and Chemical Technology, 2008. 22 f., ilustr. ISBN 978-961-6756-02-0. [COBISS.SI-ID [242202624](#)]

**167.** STRLIČ, Matija (editor), KRALJ CIGIĆ, Irena (editor). *Vaje iz analizne kemije za univerzitetni študijski program kemijskega inženirstva : skripta.* 2. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, Katedra za analizo kemijo, 2007. 77 str., ilustr. ISBN 978-961-6286-82-4. [COBISS.SI-ID [231425536](#)]

## Mentor for Doctoral Dissertations (Bologna study programme)

**168.** TESTEN, Ana. *Profil nečistot ključnega prekursorja za sintezo zaviralca angiotenzinskih konvertaz = Impurity profile of a key precursor for synthesis of angiotensin convertases inhibitor : doktorska disertacija*. Ljubljana: [A. Testen], 2020. X, 102 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=122209>. [COBISS.SI-ID [39951875](#)]

**169.** SNOJ EKMEČIČ, Tina. *Uporaba solvatnega modela za napovedovanje retencijskih časov pri reverznofazni tekočinski kromatografiji = Use of solvatic model for retention times prediction in reversed-phase liquid chromatography : doktorska disertacija*. Ljubljana: [T. Snój Ekmečič], 2019. 132 f., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=114775>. [COBISS.SI-ID [1538552771](#)]

## Mentor for Master's Theses

**170.** OMERZU, Maja. *Uporaba različnih HPLC detektorjev za določevanje pomožnih snovi v farmacevtskih izdelkih : magistrsko delo*. Ljubljana: [M. Omerzu], 2016. 78 f., ilustr. [COBISS.SI-ID [1536971203](#)]

**171.** ZUPANČIČ, Vojko. *Primerjava metod vzorčenja parne faze nad vzorcem za določanje nizkih koncentracij rezidualnih topil v farmacevtskih učinkovinah : magistrsko delo*. Ljubljana: [V. Zupančič], 2013. 134 f., ilustr. [COBISS.SI-ID [36783877](#)]

**172.** ROZMAN, Martina. *Validacija čiščenja proizvodne opreme v farmacevtski industriji : magistrsko delo*. Ljubljana: [M. Rozman], 2012. 61 f., ilustr. [COBISS.SI-ID [36095749](#)]

## Mentor for Master's Theses (Bologna study programme)

**173.** KRANJEC, Domen. *Karakterizacija veziv z infrardečo spektroskopijo in plinsko kromatografijo sklopljeno z masno spektrometrijo : magistrsko delo*. Ljubljana: [D. Kranjec], 2020. 69 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=121787>. [COBISS.SI-ID [38794755](#)]

**174.** BLATNIK, Tjaša. *Določanje 1-hidroksicikloheksil fenil ketona in soli triarilsulfonijskega heksafluoroantimonata v polimernih materialih : magistrsko delo*. Ljubljana: [T. Blatnik], 2019. 52 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=112593>. [COBISS.SI-ID [1538479811](#)]

**175.** RIJAVEC, Tjaša. *Optimizacija derivatizacije nekaterih aminov in identifikacija njihovih razgradnih produktov : magistrsko delo*. Ljubljana: [T. Rijavec], 2019. 65 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=109869>. [COBISS.SI-ID [1538405059](#)]

**176.** BENCIK, Tim. *Preučevanje stabilnosti derivatizirane celuloze z velikostno izključitveno kromatografijo : magistrsko delo : magistrski študijski program 2. stopnje Kemija*. Ljubljana: [T. Bencik], 2018. 47 str., ilustr. [COBISS.SI-ID [1537835715](#)]

**177.** PERNEK, Gašper. *Fotokatalitska oksidacija karboksamidov s sistemom  $Fe^{3+}/O_2$  : magistrsko delo : magistrski študijski program 2. stopnje Kemijsko izobraževanje*. Ljubljana: [G. Pernek], 2017. IX f., 48 str., ilustr. [COBISS.SI-ID [1537636035](#)]

**178.** RAŽMAN, Sara. *Spektroskopska in kromatografska analiza stabilnosti azo pigmenta : magistrsko delo : magistrski študijski program 2. stopnje Kemija*. Ljubljana: [S. Ražman], 2017. XI f., 55 str., ilustr. [COBISS.SI-ID [1537453251](#)]

**179.** ZUPANČIČ, Urška. *Vpliv izbranih pigmentov na oksidacijo lanenega olja : magistrsko delo*. Ljubljana: [U. Zupančič], 2017. XI f., 56 str., ilustr. [COBISS.SI-ID [1537521603](#)]

**180.** PETERLIN, Mojca. *Določanje aminokislin adsorbiranih na površini nanodelcev železovega oksida ( $\gamma - Fe_2O_3$ ) : magistrsko delo*. Ljubljana: [M. Peterlin], 2016. V, 65 f., ilustr. [COBISS.SI-ID [1536984771](#)]

**181.** ŠKALER, Maruša. *Določanje sorodnih substanc natrijeve soli naproksena z uporabo superkritične kromatografije : magistrsko delo*. Ljubljana: [M. Škaler], 2016. XIV, 57 str., ilustr. [COBISS.SI-ID [1537173699](#)]

**182.** DRVARIČ TALIAN, Sara. *Določanje citrinina ter lovastatina in njegovih derivatov : magistrsko delo*. Ljubljana: [S. Drvarič Talian], 2015. 48 f., ilustr. [COBISS.SI-ID [1536445379](#)]

**183.** PAVLIN, Nejc. *Vpliv vsebnosti kovin v kartonu na hlapne organske spojine : magistrsko delo*. Ljubljana: [N. Pavlin], 2015. IX, 41 f., ilustr. [COBISS.SI-ID [1536444611](#)]

## Mentor for Undergraduate Theses

- 184.** JEŠE, Anja. *Primerjava klasičnega in modificiranega postopka drozganja v pivovarski tehnologiji : diplomsko delo.* Ljubljana: [A. Ješe], 2016. 70 f., ilustr. [COBISS.SI-ID [1537197507](#)]
- 185.** CEVC, Jaka. *Razvoj LC-MS metode za določanje vsebnosti elaiofilina v salinomicinu : diplomsko delo.* Ljubljana: [J. Cevc], 2016. 59 f., ilustr. [COBISS.SI-ID [1537010371](#)]
- 186.** MATJAŽ, Staša. *Stabilnost klorofilina v izbranih raztopinah : diplomsko delo.* Ljubljana: [S. Matjaž], 2016. 73 str., ilustr. [COBISS.SI-ID [1537147587](#)]
- 187.** ČEHIČ, Alisa. *Validacija HPLC metode za določanje ostankov hormonskega preparata na brisih po čiščenju proizvodne opreme : diplomsko delo.* Ljubljana: [A. Čehič], 2016. 47 f., ilustr. [COBISS.SI-ID [1537243331](#)]
- 188.** MOHAR, Andreja. *Validacija analizne metode za določanje ostankov učinkovine iz skupine virostatikov na proizvodni opremi : diplomsko delo.* Ljubljana: [A. Mohar], 2015. 54 f., ilustr. [COBISS.SI-ID [1536295107](#)]
- 189.** UČAKAR, Laura. *Vpliv pogojev sušenja na izluževanje terbutrina iz zaključnih dekorativnih ometov : diplomsko delo.* Ljubljana: [L. Učakar], 2015. 63 str., ilustr. [COBISS.SI-ID [1536672963](#)]
- 190.** MANOJLOVIČ, Petra. *Določanje hidroksiprolina v mesu in mesnih izdelkih : diplomsko delo.* Ljubljana: [P. Manojlovič], 2014. 51 f., ilustr. [COBISS.SI-ID [1536130499](#)]
- 191.** ERMAN, Špela. *Določevanje citostatikov v vodah s tekočinsko kromatografijo in masno spektrometrijo : diplomsko delo.* Ljubljana: [Š. Erman], 2014. VII, 59 f., ilustr. [COBISS.SI-ID [1536101315](#)]
- 192.** HOJNIK, Sašo. *Karakterizacija aminopeptidazne aktivnosti v ekstraktih fižola in redkve : diplomsko delo.* Ljubljana: [S. Hojnik], 2014. XIV, 61 str., ilustr. [COBISS.SI-ID [1536147651](#)]
- 193.** PODGORŠEK, Monika. *Razvoj in validacija HPLC metode za določanje vsebnosti mikofenolata mofetila : diplomsko delo.* Ljubljana: [M. Podgoršek], 2014. VII, 61 f., ilustr. [COBISS.SI-ID [37420805](#)]
- 194.** PODGORŠEK, Anita. *Vsebnost glicerola, glukoze in maltoze v fermentacijski brozgi : diplomsko delo.* Ljubljana: [A. Podgoršek], 2014. VIII, 49 f., ilustr. [COBISS.SI-ID [37420549](#)]
- 195.** ŠMON, Andraž. *Določanje izbranih produktov oksidacije maščobnih kislin v krmi : diplomsko delo.* Ljubljana: [A. Šmon], 2013. 63 f., ilustr. [COBISS.SI-ID [36964869](#)]
- 196.** ARHAR, Breda. *Določitev nonilfenola v vodnih vzorcih z molekulska fluorescenčno spektrometrijo : diplomsko delo.* Ljubljana: [B. Arhar], 2013. 36 f., ilustr. [COBISS.SI-ID [36541189](#)]
- 197.** KOPRIVEC, Petra. *Razvoj in optimizacija metode za določanje klopidogrelijevga hidrogensulfata in nečistoč s kapilarno elektroforezo : diplomsko delo.* Ljubljana: [P. Koprivec], 2013. 58 f., ilustr. [COBISS.SI-ID [36657925](#)]
- 198.** KNAP, Primož. *Uporaba modelnih lipidnih sistemov za določanje velikosti por listeriolizina O : diplomsko delo.* Ljubljana: [P. Knap], 2013. XV, 60 f., ilustr. [COBISS.SI-ID [37050629](#)]
- 199.** LUZAR, Miha. *Določitev in odstranitev formaldehida iz mikrokapsul : diplomsko delo.* Ljubljana: [M. Luzar], 2012. V, 37 f., ilustr. [COBISS.SI-ID [36244485](#)]
- 200.** KOVAČ, Valerija. *Karakterizacija klorofilina : diplomsko delo.* Ljubljana: [V. Hladnik], 2012. 53 f., ilustr. [COBISS.SI-ID [36193285](#)]
- 201.** OGRIN, Maja. *Vzpostavitev mukopermeabilnostnih testov za farmacevtsko zanimive proteine in njihove formulacije : diplomsko delo.* Ljubljana: [M. Ogrin], 2012. 71 f., ilustr. [COBISS.SI-ID [36334341](#)]
- 202.** OGRINC POTOČNIK, Nina. *Določanje hlapnih organskih spojin v kartonu : diplomsko delo.* Ljubljana: [N. Ogrinc], 2011. 63 f., ilustr. [COBISS.SI-ID [35424005](#)]
- 203.** KARLOVŠEK, Primož. *Ovrednotenje metod za določitev temperature krčenja kolagena : diplomsko delo.* Ljubljana: [P. Karlovšek], 2011. 60 f., ilustr. [COBISS.SI-ID [35422469](#)]
- 229.** ROZMAN, Martin. *Primerjava spektrofotometrične in potenciometrične titracije različnih kislin = Comparison of spectrophotometric and potentiometric titration of different acids.* In: *Bilten*. 18. Tehnologijada, Crikvenica 28.04-03-05.2014. Zagreb: Sveučilište u Zagrebu, Grafički fakultet, 2014. Str. 18. [COBISS.SI-ID [1793583](#)]
- 230.** DRVARIČ TALIAN, Sara. *Študij kinetike pretvorb jantarne in jabolčne kisline v vodnih raztopinah = A kinetic study of transformations in water solutions of succinic and malic acid.* In: *Bilten*. 18. Tehnologijada, Crikvenica 28.04-03-05.2014. Zagreb: Sveučilište u Zagrebu, Grafički fakultet, 2014. Str. 21. [COBISS.SI-ID [1794351](#)]

## Mentor for Undergraduate Theses (1st cycle Bologna study programme)

- 204.** ŽAGAR, Leon. *Depolimerizacija poliamida 1010 s hidrolizo v kislem in vplivom mikrovalov : diplomsko delo.* Ljubljana: [L. Žagar], 2020. 32 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=119674>. [COBISS.SI-ID [31591427](#)]
- 205.** VUZEM, Marko. *Določanje SO<sub>2</sub> in H<sub>2</sub>S s pasivnim vzorčevalniki : diplomsko delo.* Ljubljana: [M. Vuzem], 2020. 30 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=113524>. [COBISS.SI-ID [1538513091](#)]
- 206.** DOKL, Matic. *Določanje tritija v okoljskih vodah : diplomsko delo.* Ljubljana: [M. Dokl], 2020. 46 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=119675>. [COBISS.SI-ID [31887107](#)]
- 207.** MRŽLJAK, Tomaž. *Pasivno vzorčenje metanojske in etanojske kisline iz zraka : diplomsko delo.* Ljubljana: [T. Mržljak], 2020. 39 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=119110>. [COBISS.SI-ID [27686659](#)]
- 208.** ŠIŠKO, Ana. *Primerjava različnih testnih papirjev za določitev vsebnosti alkalne zaloge : diplomsko delo.* Ljubljana: [A. Šiško], 2020. 28 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=117114>. [COBISS.SI-ID [21003779](#)]
- 209.** POVH, Matija. *Vpliv pH na stabilnost izbranih barvil in pigmentov : diplomsko delo.* Ljubljana: [M. Povh], 2020. 35 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=118207>. [COBISS.SI-ID [26534403](#)]
- 210.** DOVJAK, Jernej. *Kemijska karakterizacija nekaterih vrst odpadne lignocelulozne biomase : diplomsko delo : visokošolski študijski program Kemijska tehnologija.* Ljubljana: [J. Dovjak], 2019. 29 str., [10] str. barvnih pril., ilustr. [COBISS.SI-ID [1538195139](#)]
- 211.** KORENČIČ, Eva. *Primerjava alkalne zaloge v testnih listih in knjigah po razkisljenju : diplomsko delo : univerzitetni študijski program 1. stopnje Kemija.* Ljubljana: [E. Korenčič], 2018. 32 str., ilustr. [COBISS.SI-ID [296696832](#)]
- 212.** PENKO, Ana. *Primernost uporabe metode ELISA za ugotavljanje prisotnosti proteinov v umetniških barvah : diplomsko delo : univerzitetni študijski program 1. stopnje Kemija.* Ljubljana: [A. Penko], 2018. X f., 39 str., ilustr. [COBISS.SI-ID [1537836995](#)]
- 213.** BALKOVEC, Barbara. *Regeneracija in testiranje HPLC kolon : diplomsko delo : visokošolski študijski program Kemijska tehnologija.* Ljubljana: [B. Balkovec], 2018. 32 f., ilustr. [COBISS.SI-ID [1537785027](#)]
- 214.** JOŠT, Gašper. *Vrednotenje porazdelitve alkalne zaloge v razkisljenih knjigah : diplomsko delo : univerzitetni študijski program 1. stopnje Kemija.* Ljubljana: [G. Jošt], 2018. 29 f., ilustr. [COBISS.SI-ID [1537795267](#)]
- 215.** JURČEK, Karin. *Določanje anionov v prahu s slike : diplomsko delo : visokošolski študijski program Kemijska tehnologija.* Ljubljana: [K. Jurček], 2017. 22 str., ilustr. [COBISS.SI-ID [1537671875](#)]
- 216.** BLATNIK, Tjaša. *Določanje organskih kislin v zraku z ionsko kromatografijo : diplomsko delo : univerzitetni študijski program 1. stopnje Kemija.* Ljubljana: [T. Blatnik], 2017. 37 str., ilustr. [COBISS.SI-ID [1537521347](#)]
- 217.** HUDAK, Aleksandra. *Preverjanje alternativnih HPLC kolon za določanje derivata benzizoksazola : diplomsko delo.* Ljubljana: [A. Hudak], 2016. 47 f., ilustr. [COBISS.SI-ID [1536822467](#)]
- 218.** GNIDOVEC, Andrej. *Razvoj in validacija metode za določevanje ostankov antibiotika v brisih po čiščenju proizvodne opreme : diplomsko delo.* Ljubljana: [A. Gnidovec], 2016. 51 str., ilustr. [COBISS.SI-ID [1537318851](#)]
- 219.** SIMONIČ, Nika. *Uporaba viskozimetrije za določanje stopnje polimerizacije celuloze v papirjih z visoko vsebnostjo lignina : diplomsko delo.* Ljubljana: [N. Simonič], 2016. 33 str., ilustr. [COBISS.SI-ID [1537117635](#)]
- 220.** MISLAJ, Romana. *Določanje laktoze : diplomsko delo.* Ljubljana: [R. Mislaj], 2015. 27 f., ilustr. [COBISS.SI-ID [1536439235](#)]
- 221.** ZUPANČIČ, Urška. *Določanje maščobnih kislin v oljih tekom oksidacije s plinsko kromatografijo : diplomsko delo.* Ljubljana: [U. Zupančič], 2015. VII, 33 f., ilustr. [COBISS.SI-ID [1536438211](#)]
- 222.** KADIVEC, Mariša. *Evaluacija metod za določevanje pH vrednosti papirja : diplomsko delo.* Ljubljana: [M. Kadivec], 2015. 32 f., ilustr. [COBISS.SI-ID [1536603843](#)]
- 223.** BENCIK, Tim. *Optimizacija kompleksometrične titracije : diplomsko delo.* Ljubljana: [T. Bencik], 2015. 39 str., ilustr. [COBISS.SI-ID [1536438467](#)]
- 224.** ROZMAN, Martin. *Primerjava potenciometrične in spektrofotometrične titracije anorganskih kislin : diplomsko delo.* Ljubljana: [M. Rozman], 2014. [31] f., ilustr., graf. prikazi. [COBISS.SI-ID [1536049859](#)]



**225.** POŽAR, Marinka. *Določanje glukoze in fruktoze v oranžni meloni in lubenici : diplomsko delo.* Ljubljana: [M. Požar], 2013. IX, 27 f., ilustr. [COBISS.SI-ID [37003013](#)]

**226.** DRVARIČ TALIAN, Sara. *Določanje organskih kislin : diplomsko delo.* Ljubljana: [S. Drvarič Talian], 2013. 41 f., ilustr. [COBISS.SI-ID [36834565](#)]

**227.** GARTNER, Blaž. *Določanje dimetoata v olivnem olju : diplomsko delo.* Ljubljana: [B. Gartner], 2012. VIII, 26 f., ilustr. [COBISS.SI-ID [36362245](#)]

**228.** ISKRA, Andrej. *Določevanje težkih kovin v česnu : diplomsko delo.* Ljubljana: [A. Iskra], 2012. 35 f., ilustr. [COBISS.SI-ID [36314117](#)]

#### **Co-Mentor for Master's Theses (Bologna study programme)**

**231.** KOZJAN, Blaž. *Izgradnja spektralne knjižnice za namene identifikacije delcev v parenteralnih izdelkih : magistrsko delo.* Ljubljana: [B. Kozjan], 2020. 72 str., ilustr. <https://repositorij.uni-lj.si/IzpisGradiva.php?id=117076>. [COBISS.SI-ID [20902403](#)]

**232.** KRAMARIČ, Valentina. *Preučevanje modelnih sistemov za začasno stabilizacijo slikovnih plasti : magistrsko delo B.* Ljubljana: [V. Kramarič], 2018. 58 str., ilustr. [COBISS.SI-ID [3842158](#)]

#### **Co-Mentor for Undergraduate Theses**

**233.** ŠTAJNER, Katja. *Primerjava ekstrakcijskih tehnik SPME in SBSE za analizo hlapnih spojin : diplomsko delo.* Ljubljana: [K. Štajner], 2009. 54 f., ilustr. [COBISS.SI-ID [30353157](#)]

**234.** UHAN, Sonja. *Določanje prostih animokislin v vinih : diplomsko delo.* Ljubljana: [S. Uhan], 2005. 43 f., tabele, graf. prikazi. [COBISS.SI-ID [26398981](#)]

**235.** HVALA, Jernej. *Optimizacija določevanja aminokislinske sestave s tekočinsko kromatografijo : diplomsko delo.* Ljubljana: [J. Hvala], 2004. 47 f., graf. prikazi. [COBISS.SI-ID [25786885](#)]

**238.** GRIL, Maja, ŠIVAVEC, Jakob. *Priprava ekstraktov navadne smreke (Picea abies), bogatih z aktivnim borneolom ter njihova aktivnost in delovanje na kvasovke (Saccharomyces cerevisiae) : projektno-raziskovalno delo.* Ljubljana: [M. Gril: J. Sivavec], 2019. VII, 38 f., ilustr. [COBISS.SI-ID [12589396](#)]

#### **Co-Mentor for Undergraduate Theses (1st cycle Bologna study programme)**

**236.** MALTAR, Nika. *Hranjenje in razstavljanje slik Andraža Šalamuna : problemi in rešitve : diplomsko delo.* Ljubljana: [N. Maltar], 2018. 54 str., ilustr. [COBISS.SI-ID [3828590](#)]

**237.** KOREN, Klavdija. *Konserviranje in restavriranje slike Andraža Šalamuna iz zbirke Moderne galerije v Ljubljani : diplomsko delo.* Ljubljana: [K. Koren], 2018. 50 str., ilustr. [COBISS.SI-ID [3829870](#)]

#### **Reviewer**

**239.** BAVCON KRALJ, Mojca, KOŠENINA, Suzana, TREBŠE, Polonca. *Analizne metode : analiza kemija, kemijske tehnologije, nevarne snovi : univerzitetni učbenik za študente univerzitetnega študija Sanitarno inženirstvo.* 1. izd. Ljubljana: Zdravstvena fakulteta, 2020. [XII], 142 str., ilustr. ISBN 978-961-6808-98-9. [COBISS.SI-ID [20399875](#)]

**240.** KRISTL, Anja (author, illustrator, photographer), MARKELJ, Jernej (author, illustrator, photographer), MAROLT, Gregor (author, illustrator, photographer). *Zbirka nalog iz analize kemije za študente Kemijskega inženirstva in Kemijske tehnologije.* 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2020. 44 str., ilustr. ISBN 978-961-6756-85-3. [COBISS.SI-ID [304443904](#)]

**241.** NEMEČEK, Nataša (responsible editor, author, photographer), MENART, Eva (member of editorial board, author, photographer), SLABE, Janja (author, photographer), PEROVŠEK, Sonja (author, photographer), VIRAG, Anita (author, photographer), LEMAJIČ, Gorazd (author, photographer), LANGUS, Irma (member of editorial board, author, photographer), RAVBAR, Igor (author, photographer), JESENOVEC, Damjan (author, photographer), PFLAUM, Miran (author, photographer), ŠUBIC PRISLAN, Jana (author, photographer). *V dobrih rokah : 60 let Oddelka za konserviranje in restavriranje Narodnega muzeja Slovenije = In good hands : [60] years of the Department of Conservation and Restoration of the National Museum of*

Slovenia. Ljubljana: Narodni muzej Slovenije, 2018. 213 str., ilustr., fotogr., portreti. ISBN 978-961-6981-34-7. [COBISS.SI-ID [297090304](#)]

**242.** KRISTL, Anja (author, illustrator, photographer), MARKELJ, Jernej (author, illustrator, photographer), MAROLT, Gregor (author, illustrator, photographer). *Zbirka nalog iz analizne kemije za študente Kemijskega inženirstva in Kemijske tehnologije*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2018. 44 str., ilustr. ISBN 978-961-6756-85-3. [COBISS.SI-ID [296198912](#)]

**243.** KRISTL, Anja (author, illustrator, photographer), MARKELJ, Jernej (author, illustrator, photographer), MAROLT, Gregor (author, illustrator, photographer). *Zbirka nalog iz analizne kemije za študente Kemijskega inženirstva in Kemijske tehnologije*. 1. izd. Ljubljana: Fakulteta za kemijo in kemijsko tehnologijo, 2018. 44 str., ilustr. ISBN 978-961-6756-85-3. [COBISS.SI-ID [294217472](#)]

**244.** OREL, Mojca (editor), JERAN, Marko (editor). *Skozi mavrico kemijskih sprememb : kemijski poskusi : Ljubljana, 29. 11. 2017*. [Ljubljana]: Mako R, 2017. [https://www.gimoste.si/gim/images/datoteke/Skozi\\_mavrico\\_kemijskih\\_sprememb.pdf](https://www.gimoste.si/gim/images/datoteke/Skozi_mavrico_kemijskih_sprememb.pdf). [COBISS.SI-ID [6300186](#)]

**245.** ŠEGATIN, Nataša, RUDAN TASIČ, Darja, POKLAR ULRIH, Nataša. *Fizikalnokemijske metode v živilstvu. Laboratorijske vaje*. Ljubljana: Biotehniška fakulteta, Oddelek za živilstvo, 2011. 106 str., ilustr. ISBN 978-961-6333-90-0. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=122515&lang=slv>. [COBISS.SI-ID [253834496](#)]

**246.** BAVCON KRALJ, Mojca. *Instrumentalne metode v okolju : navodila za laboratorijske vaje*. V Novi Gorici: Založba Univerze, 2009. 95 str., ilustr. ISBN 978-961-6311-59-5. [COBISS.SI-ID [248140800](#)]

#### Member of the commission for defense

**247.** JELŠEVAR, Maruša. *Priprava in karakterizacija liposomskega matičnega mlečka : magistrsko delo*. Ljubljana: [M. Jelševar], 2020. 83 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=121763>. [COBISS.SI-ID [34705667](#)]

**248.** LAMPIČ, Kristina. *Razvoj analizne metode za določanje metabolitov azatioprina v posušeni krvi = Development of analytical method for determination of azathioprine metabolites in dried blood spots : doktorska disertacija*. Ljubljana: [K. Lampič], 2020. XIII, 107 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=117192>. [COBISS.SI-ID [22736131](#)]

**249.** TOMŠIČ, Rok. *Določanje neonikotinoidnih pesticidov v propolisu : magistrsko delo*. Ljubljana: [R. Tomšič], 2019. 55 str., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=113183>. [COBISS.SI-ID [1538507459](#)]

**250.** ŽNIDERŠIČ, Luka. *Razvoj analizne metode za določanje izbranih onesnaževal iz materialov za stik z živili v pijačah = Development of analytical method for the determination of selected contaminants from food contact material in beverages : doktorska disertacija*. Ljubljana: [L. Žnideršič], 2019. 87 f., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=113485>. [COBISS.SI-ID [303714816](#)]

**251.** KRAŠEVEC, Ida. *Razvoj analiznih metod za določanje benzotriazolnih spojin v okoljskih vzorcih : doktorska disertacija = Development of analytical methods for determination of benzotriazole compounds in environmental samples*. Ljubljana: [I. Kraševac], 2019. 105 str., ilustr. [COBISS.SI-ID [302142720](#)]

**252.** GRUBAR, Tina. *Razvoj metode za določanje pesticidov v tleh : magistrsko delo : magistrski študijski program 2. stopnje Kemija*. Ljubljana: [T. Grubar], 2019. 50 str., ilustr. [COBISS.SI-ID [1538124227](#)]

---

Selected format of bibliographic unit: ISO 690

Sorting of bibliographic units: Typology, year - descending, title

A source of bibliographic data: shared data base COBISS.SI/COBIB.SI, 8. 4. 2021