

Bibliotoxicology Resource List

Dr. Melissa Tedone & Dr. Rosie Grayburn (updated September 2023)

Poison Book Project Wiki

http://wiki.winterthur.org/wiki/Poison_Book_Project

Direct link to Arsenical Books Database:

http://wiki.winterthur.org/wiki/ARSENICAL_BOOKS_DATABASE

Bibliotoxicology Symposium, September 12-13, 2022 (YouTube)

https://www.youtube.com/watch?v=ZzHU_1TDiKc&list=PLTvvGxQuCDCH1anidohnJZnsUFN7loUvG

1. When Poison is More Than Words in Books: The Conservation and Public-Related Challenges of Green Bookbinding in the Northwestern University Library Collection (Dr. Marc Vermeulen)
2. Measuring, Testing, and Housing Arsenic Containing Books (Dr. Andrea Pataki-Hundt)
3. Scheele's Green, the Original Arsenical Green Pigment (Kirsten Travers Moffitt)
4. Not Only Arsenic! Investigating Silver, Gold, and Lead Chromate on a Canadian Collection of 19th-century Book and Photo Album Covers (Timothy Greening)
5. Hiding in Plain Sight: Analysis of 18th- and 19th- Century Red Textblock Edge Decoration (Jess Ortegon)
6. A Rainbow of Toxic Pigments: Continued Material Research into Victorian Bookcloth (Dr. Melissa Tedone & Dr. Rosie Grayburn)
7. *Not public*
8. A discussion about arsenic on 19th-century cloth-bound books that aren't green (Johanna Pinney, Melissa Tedone, and Rosie Grayburn)
9. Risk Velocity and Bibliotoxicology (Robyn Parkin, GDipOSH, BA BMin, CMIOSH, CertProfNZISM)
10. Innovative (multi-) methods for the safe handling of biocide contaminated objects (Dr. Elise Spiegel)
11. Yes, there is arsenic, but... Risk Assessment for Collection Hazards (Kimberley A. Harmon, CIH)

Published Bibliotoxicology Articles & Thesis*

Angelova, Lora, Sadat Nawaz , Barbara Kafadaroglu , Boaz Paz, Francisco Moreta, Helen Woollaston, **Marc Vermeulen**, Juergen Vervoort. "The use of 'poisonous insecticidal solutions' in bookbinding: coping with historic pesticide treatments in the archive." <https://doi.org/10.1186/s40494-023-00866-y>

Delbey, Thomas, Jakob Povl Holck, Bjarke Jørgensen, **Alexandra Alvis**, **Vanessa Haight Smith**, Gwénaëlle M. Kavich, **Kimberly A. Harmon**, Bertil Fabricius Dorch, Kaare Lund Rasmussen. (2019). "Poisonous books: analyses of four sixteenth and seventeenth century book bindings covered with arsenic rich green paint." *Heritage Science*. 7:91. <https://doi.org/10.1186/s40494-019-0334-2>

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Tedone, Melissa, and Rosie Grayburn. "Arsenic and Old Bookcloth: Identification and Safer Use of Emerald Green Victorian-Era Cloth Case Bindings." *JAIC*. 22 March 2022.

<https://doi.org/10.1080/01971360.2022.2031457>

Tedone, Melissa, and Rosie Grayburn. "Toxic Tomes: Understanding the Use and Risks of Heavy Metals in Nineteenth-Century Bookcloth." *Collections: a journal for museum and archives professionals*. 21 April 2023.

<https://doi.org/10.1177/15501906231159040>

Vermeulen, Marc, Samuel M. Webb, Susan Russick, Alicia C. McGeachy, Karissa Muratore, Marc S. Walton. "Identification, transformations and mobility of hazardous arsenic-based pigments on 19th century bookbindings in accessible library collections." *Journal of Hazardous Materials* 454 (2023) 131453.

<https://doi.org/10.1016/j.jhazmat.2023.131453>

Wetten, Juliana. 2021. "Konservatorischer Umgang mit arsenhaltigem Bibliotheksgut." BA thesis, Institut für Restaurierungs- und Konservierungswissenschaft, TH Köln.

https://www.th-koeln.de/kulturwissenschaften/cics---studienprojekt---konservatorischer-umgang-mit-arsenhaltigem-bibliotheksgut_89422.php

- Thesis advisor: **Prof. Dr. Andrea Pataki-Hundt.**

*Bolded names are members of the Bibliotoxicology Working Group (BibTox).

Disposal of Hazardous Waste*

Hazardous Waste, U.S. Environmental Protection Agency (EPA)

www.epa.gov/hw

State Governance of Hazardous Waste Disposal, Delaware

dnrec.alpha.delaware.gov/waste-hazardous/management/hazardous/

*Consult your state government website for laws and guidelines specific to where you live and work.