

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

*The numbers for the citations below refer to the reference number used in the Pesticide Database on the MuseumPests.net website.*

- 1 Abdelrahman, E., Takatori, K., Matsuda, Y., Tsukada, M. and Kirino, F., 2019. New insight on fumigation action of essential oil, commercial fungicide and low oxygen microenvironment on museum mold, *Alternaria alternata*. *Biocontrol Science*, 24(2):123-127.
- 2 Anon. 2017. New Pesticides Findings from Natural History Museum Discussed (Arsenic and mercury in bird feathers: Identification and quantification of inorganic pesticide residues in natural history collections using multiple analytical and imaging ...)." *Chemicals & Chemistry*, 27 Jan. 2017, p. 1974. Gale Academic OneFile.
- 3 Ackery, P.R., Pinniger, D.B. and Chambers, J., 1999. Enhanced pest capture rates using pheromonebaited sticky traps in museum stores. *Studies in conservation*, 44(1):67-71.
- 4 Addison, J.B., Semeluk, G.P. and Unger, I., 1977. The luminescence properties of pesticides. I. Fluorescing and phosphorescing carbamates. *Journal of Luminescence*, 15(3):323-339.
- 5 Ali, M. and Fawzy, M., 2021. The Effect of The Vapors of Clove and Lavender Oils on the Chemical and Optical Properties of Silver Gelatin Prints in Wood Frames. *International Journal of Conservation Science*, 12(3): 961-976.
- 6 Alvarez-Martin, A., Wilcop, M., Anderson, R., Wendt, D., Barden, R. and Kavich, G.M., 2021. Investigation of volatile organic compounds in museum storage areas. *Air Quality, Atmosphere & Health*, 14(11):1797-1809.
- 7 Anderson, J., Odegaard, N., Dawley, M., Farley, D.J. and Zimmt, W., 2014. Coping with Arsenic-Based Pesticides on Textile Collections. In *Objects Specialty Group Postprints: Proceedings of the Objects Specialty Group Session, May 29 June 1, 2014, American Institute for Conservation 42nd Annual Meeting, San Francisco, California* (21):181-204.
- 8 Angelova, L.V., Nawaz, S., Kafadaroglu, B., Paz, B., Moreta, F., Woollaston, H., Vermeulen, M. and Vervoort, J., 2023. The use of 'poisonous insecticidal solutions' in bookbinding: coping with historic pesticide treatments in the archive. *Heritage Science*, 11(1):51.
- 9 Anon. 1906. Recent Progress in American Anthropology: A Review of the Activities of Institutions and Individuals from 1902 to 1906. *American Anthropologist*. 8(1):441-555.
- 10 Anon. 1956. The History of the Museum. *Indian Notes and Monographs., Miscellaneous Series*, no. 55. New York: Museum of the American Indian, Heye Foundation.

**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 11 Anon. 1959. Pest control in art galleries and natural history museums. *Pest Control*. November issue: 9-16.
- 12 Anon. 1984. Arsenic in taxidermy specimens. *Rocky Mountain Regional Conservation Center News*. 1(4):1.
- 13 Anon. 1985. Gnawing problems bug Vermont museum. *Pest Control Technology*. April:26-32.
- 14 Anon. 1996. Expeditions: 150 Years of Smithsonian Research in Latin America. Inter Exhibition Catalog published by the American Development Bank Cultural Center.
- 15 Anthony, H.E., 1925. The capture and preservation of small mammals for study (No. 61). American Museum of Natural History. New York.
- 16 Arizona State Museum, 2000. Contaminated Cultural Materials in Museum Collections. Unpublished workbook from workshop of same title held March 16-18, 2000, Tucson, AZ.
- 17 Armes, Nigel J. 1984. Aspects of the biology of the Guernsey carpet beetle, *Anthrenus Sarnicus*, Mroczk., and control of dermestid beetles in museums. ICOM-CC Preprints, 7th Triennial Meeting, Copenhagen Sept. 10-14. Paris: ICOM. 84.13.1-.3.
- 18 Armes, Nigel J. 1988. The seasonal activity of *Anthrenus Sarnicus* Mroczkowski (Coleoptera: Dermestidae) and some other beetle pests in the museum environment. *Journal of Stored Products Research*. 24(1):29-37.
- 19 Arndt, L., 2022. Poisonous Heritage: Chemical Conservation, Monitored Collections, and the Threshold of Ethnological Museums. *Museum and Society*, 20(2):282-301.
- 20 Askew, R.R. 1988. Pests, pesticides and specimens. In *Conservation of Natural History Specimens: Vertebrates*. Manchester: University of Manchester. pp. 40-48.
- 21 Association of British Insecticide Manufacturers. 1950. *Directory 1950*. London: Assoc. British Insecticide Manufacturers.
- 22 Bachmann, Hans-Gert. 1981. Prevention of biodeterioration of wooden objects of art: Influence of fumigation with hydrocyanic acid on metals. *Studies in Conservation*. 26(3):111-118.
- 23 Baird, Spencer F. 1859. *Directions for collecting, preserving and transporting specimens of natural history: Prepared for the use of the Smithsonian Institution*. 3rd edition. Smithsonian Miscellaneous Collections. Washington DC: Smithsonian Institution.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 24 Baker, Paul B., and Tasha M. Brew. 1988. Historical pesticide use in Arizona. Proceedings from the First International Symposium on the Impact of Pesticides, Industrial and Consumer Chemicals on the Near Environment, February 10-12, 1988, Orlando, Florida. Manhattan, KS: Kansas State University. pp. 33-47.
- 25 Baker, M.T. et al., 1990. Laboratory investigation of the fumigant Vikane. In ICOM Committee for Conservation 9th Triennial Meeting.
- 26 Ballard, M.W. 1984. Mothproofing museum textiles. ICOM-CC Preprints, 7th Triennial Meeting, Copenhagen Sept. 10-14. Paris: ICOM. pp. 84.9.1-.6.
- 27 Ballard, M. and Baer, N.S., 1989. Conservation I: Halogenated hydrocarbon dry-cleaning solvents. *International Journal of Museum Management and Curatorship*, 8(3): 336-341.
- 28 Ballard, M.W. and Koestler, R.J., 2014. Thirty Years of Pest Control in Museums: Policy & Practice. MuseumPests.net.
- 29 Bangstad, T.R., 2021. Pollution and permanence: museum repair in toxic worlds. *Museums & social issues*, 15(1-2): 13-27.
- 30 Bangstad, T.R., 2022. Toxic Heritage: Coal Tar, Care and Chemical Intimacies in Museum Housekeeping. *Journal of Contemporary Archaeology*, 9(1).
- 31 Barcelo, Damina and Marie-Claire Hennion. 1997. Trace Determination of Pesticides and Their Degradation Products in Water. Amsterdam: Elsevier Science Publ.
- 32 Barkman, L.E., Storage at the new Ethnographical Museum in Stockholm. In ICOM 7th triennial meeting, Copenhagen, 10-14 September 1984: preprints (Vol. 1, pp. 84-3).
- 33 Barsan, Michael E. 2007. NIOSH pocket guide to chemical hazards. DHHS (NIOSH) Publication No. 2005-149. National Institute for Occupational Safety and Health. Department of Health and Human Services.
- 34 Becker, M., 2017. Arsenic and Old Pelts: Deadly Pesticides in Museum Collections. *History of Anthropology Review*.
- 35 Bauer, W.P. 1972. Scientific examination and conservation of ethnographical objects: The situation at the ethnological museum in Vienna. In ICOM Committee for Conservation 3rd Triennial Meeting Madrid Spain 2-7 October 1972
- 36 Baynes-Cope, A.D. 1982. Infestations and Collections. In Jones, DL et al eds.) Occasional Paper No. 1 Conservation, Museum Ethnographers Group. Ipswich: Ipswich Museums.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 37 Beelitz, Paul. 2001. Setting Priorities: Integrated Pest Management in an Anthropology Collection. Unpublished paper presented at the SPNHC meetings in San Francisco, 2001.
- 38 Bell, B.M. and Stanley, E.M., 1981. Survey of pest control procedures in museums. Pest control in museums: a status report,(1980)/compiled and edited by SR Edwards, BM Bell, ME King, with additional contributions by R. Beauchamp...[et al.].
- 39 Bell, Jan R., and Arthur H. Wolf. 1976. Rolling your own – A new system of textile storage. *Curator*. 19(3):246-249.
- 40 Berck, Ben, Yukata Iwata and Francis A. Gunther. 1980. Rapid field methods for determining organophosphorus insecticide residues on foliage and surface soil. Proceedings for the 15th Annual Workshop for Pesticide Residue Analysts (Western Canada). Regina, April 30-May 2. pp. 93-97.
- 41 Berck, Ben, Yukata Iwata and Francis A. Gunther. 1981. Worker environment research: Rapid field method for estimation of organophosphorus insecticide residues on citrus foliage and in grove soil. estimation of organophosphorus insecticide residues on citrus foliage and in grove soil. *Journal of Agricultural and Food Chemistry*. 29(2):209-214.
- 42 Berger, A., 2014. Poisons in the basement: an analysis of x-ray fluorescence tests for heavy metal pesticides in the University of Montana's ethnographic collection. Bachelor of Arts Thesis. University of Montana, Missoula.
- 43 Bloomcamp, Lee. 1987. Pest control and pesticide usage in museums and systematics collections. *ASC Newsletter*. 15(4).
- 44 Bogle, Michael M. 1979. Technical data on moth-proofing. Textile Conservation Center Notes # 10. N. Andover, MA: Merrimack Valley Textile Museum.
- 45 Bond, K. and Swierenga, H., 2008. Preserving the trust: the pesticide residue project at the Museum of Anthropology. Preserving aboriginal heritage: technical and traditional approaches. Ottawa: Canadian Conservation Institute.
- 46 Bosworth, J., Johnson, J.S. and Hahne, R.M.A., 2002. Research on Identifying Organic Pesticide Residues at the National Museum of the American Indian. In Poster presented at the Annual Meeting for the American Institute for Conservation of Historic and Artistic Works.
- 47 Boulton, Ann. 1986. The examination, treatment and analysis of a pair of boots from the Aleutian Islands, including a note about possible pesticide contamination. *Journal of the American Institute of Conservation*. 25(1):1-13.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 48 Boustead, William M. 1972. "Australian Aboriginal Bark Paintings: Control of Insect Pests" In Preprints, ICOM-CC third triennial Meeting Madrid, Spain 2-7 October Working-Group Ethnological Collections pp. 1-9.
- 49 Briggs, D., Sell, P.D., Block, M. and I'ons, R.D., 1983. Mercury vapour: a health hazard in herbaria. *New phytologist*, 94(3): 453-457.
- 50 Brown, Royal L. 1966. *Pesticides in Clinical Practice: Identification, Pharmacology and Therapeutics*. Springfield, IL: Charles C. Thomas Publisher.
- 51 Budavari, Susan et.al (eds) 1996. *The Merck Index*. 12th ed. Waterhouse Station, NJ: Merck & Co., Inc.
- 52 Burgess, R., 1949. Protection of wool against insects by mitin FF and DDT. *Journal of the Society of Chemical Industry*, 68(4):121-126.
- 53 Burns, Ned J. 1941. *Field Manual for Museums*. Washington, DC: US Government Printing Office.
- 54 Byers, Barry. 1983. A simple and practical fumigation system. *Abbey Newsletter*. 7(4):1-4.
- 55 Cady, William H., ed., 1955. *Technical Manual and Yearbook for the American Association of Textile Chemists and Colorists*. Vol. 31. NY: Howes Publishing Co., Inc.
- 56 Caldararo, Niccolo, Lee Davis, Peter Palmer, and Janet Waddington, eds. 2001. *The Contamination of Museum Materials and the Repatriation Process for Native California: Proceedings of a Working Conference at the San Francisco State University, 29 September to 1 October 2000*. *Collection Forum*,16(1-2).
- 57 Carpenter, Jim. 1985. Museums can be hazardous to your health. *Aviso*. June: 1-2.
- 58 Carruth, Laurence A. and Gary S. Olton. 1976. *Household Pests*. Rev. ed. Bulletin A-72. Tucson: University of Arizona Press.
- 59 Carson, R., 2009. *Silent spring*. 1962. Houghton Mifflon Co.
- 60 Carswell, T.S., 1939. Pentachlorophenol for wood preservation. *Industrial & Engineering Chemistry*, 31(11), pp.1431-1435.
- 61 Carter, David, and Annette K. Walker, eds. 1999. *Care and Conservation of Natural History Collections*. Oxford, UK: Butterworth-Heinemann.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 62 Carvalho, L.D.C., Goodburn-Brown, D., McCullagh, J.S. and Pollard, A.M., 2022. The influence of pesticides on the corrosion of a Roman bowl excavated in Kent, UK. *Scientific Reports*, 12(1), p.14521.
- 63 Caswell, R.L. et. al. eds. 1981. *Pesticide Handbook (Entoma)* 29th ed. College Park, MD: The Entomological Society of America.
- 64 Chapin, James P. 1929. *The Preparation of Birds for Study*. NY: American Museum of Natural History.
- 65 Charlton, A., Domoney, K. and Uden, J., 2014. Pesticide residues on the Cook-voyage collections at the Pitt Rivers Museum, University of Oxford. In *ICOM-CC 17th Triennial Conference*, Melbourne. International Council of Museums.
- 66 Charola, A. Elena; Koestler, R. J. 2010. *Pesticide Mitigation in Museum Collections: Science in Conservation*. Proceedings from the MCI Workshop Series. Washington, DC: Smithsonian Institution Scholarly Press, pp.1-6.
- 67 Child, Robert E. and David B. Pinniger. 1987. Insect pest control in U.K. museums. *Recent Advances in the Conservation and Analysis of Artifacts*. London: Institute of Archaeology. pp. 303-307.
- 68 Child, Robert, and David Pinniger. 1992. The inefficient use of insecticides in museums. *Life After Death: The Practical Conservation of Natural History Collections*. London: United Kingdom Institute for Conservation. pp. 15-16.
- 69 Child, Robert. 1998. *Monitoring Insect Pests with Sticky Traps*. Conserv-O-Gram. 3/7. National Park Service. Washington, D.C.
- 70 Chin, J.Y., Godwin, C., Jia, C., Robins, T., Lewis, T., Parker, E., Max, P. and Batterman, S., 2013. Concentrations and risks of p-dichlorobenzene in indoor and outdoor air. *Indoor air*, 23(1): 40-49.
- 71 Clark, C. O. "A History of Commercial Mothproofing 1920-1940." *Journal of the Society of Dyers and Colourists* 59, no. 10 (1943): 213–15.
- 72 Clark, C. O. "A History of Commercial Mothproofing 1920-1940." *Journal of the Society of Dyers and Colourists* 59, no. 10 (1943): 213–15.
- 73 Clydesdale, Amanda. 1990. *Chemicals in Conservation*. Scotland: Scottish Society for Conservation & Restoration.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 74 Collas, T. and Lazar, A., 2003. Sampling strategies and testing procedures for identifying arsenic and mercury pesticide residues. *WAAC Newsletter*, 25(2):19-23.
- 75 Costa, L.G., Galli, C.L. and Murphy, S.D. eds., 2013. *Toxicology of pesticides: Experimental, clinical and regulatory perspectives (Vol. 13)*. Springer Science & Business Media.
- 76 Covaci, A., Kawaki, P. and Indekeu, C., 2007. Highly chlorinated toxic contaminants in pesticide-treated wooden art objects. *Archives of Environmental and Occupational Health*. 61(6): 245-248.
- 77 Cremlyn, R.J. 1991. *Agrochemicals: Preparation and Mode of Action*. New York: John Wiley & Sons.
- 78 Crisafulli, Stephen.1980. Herbarium insect control with a freezer. *Brittonia* 32, 224.
- 79 Cross, P. S. and N. Odegaard. 2009. The inherent levels of arsenic and mercury in artifact materials. *Collection Forum* 23 (1-2): 23-35.
- 80 Cross, P.S., Odegaard, N. and Riley, M.R., 2010. Lipoic acid formulations for the removal of arsenic and mercury from museum artifact materials. *Journal of archaeological science*, 37(8):1922-1928.
- 81 Cusack-McVeigh, H., 2024. Reluctant Returns: Repatriating a Poisoned Past. In *Toxic Heritage* (pp. 147-159). Routledge.
- 82 Cusack-McVeigh, H., and B. Howard. 2024. Beyond the Walls of the Museum. The Synergist. May issue. American Industrial Hygiene Association.
- 83 Daniel, V., Maekawa, S., Preusser, F.D. and Hanlon, G., 1993. Nitrogen fumigation: a viable alternative. In *ICOM Committee for Conservation tenth triennial meeting, Washington, DC, 22-27 August 1993: preprints (Vol. 2, pp. 863-867)*.
- 84 Davis, F.R., 2014. *Banned: a history of pesticides and the science of toxicology*. Yale University Press.
- 85 Dawson, J.E. 1992. *Solving Museum Insect Problems: Chemical Control*. CCI Technical Bulletin # 15. Ottawa: Canadian Conservation Institute.
- 86 Dawson, J.E., 1983. Ethylene oxide fumigation: A new warning. *ACA bulletin*, 8(3), pp.10-13.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 87 Dawson, J.E., 1986. Effects of pesticides on museum materials: a preliminary report. *Biodeterioration* 6. Papers presented at the 6th International Biodeterioration Symposium, Washington DC. August 1984. pp, 350-354
- 88 Dawson, John. 1988. The Effects of Insecticides on Museum Artifacts and Materials. In Zycherman, Lynda A. and Schrock, J. Richard. eds. *A Guide to Museum Pest Control*. Washington, DC: American Institute for Conservation & Association of Systematics Collections. pp. 135-150.
- 89 De Ong, E.R. 1948. *Chemistry and Uses of Insecticides*. NY: Reinhold Publishing Corp.
- 90 Deering, K., Spiegel, E., Quaisser, C., Nowak, D., Rakete, S., Garí, M. and Bose-O'Reilly, S., 2020. Exposure assessment of toxic metals and organochlorine pesticides among employees of a natural history museum. *Environmental research*, 184, p.109271.
- 91 Deering, K., Spiegel, E., Quaisser, C., Nowak, D., Schierl, R., Bose-O'Reilly, S. and Garí, M., 2019. Monitoring of arsenic, mercury and organic pesticides in particulate matter, ambient air and settled dust in natural history collections taking the example of the Museum für Naturkunde, Berlin. *Environmental monitoring and assessment*, 191, pp.1-17.
- 92 Del Re, Christine, and David Mueller. 1995. Field testing webbing clothes moth pheromone traps: Methods and results. *Objects Specialty Group Postprints*. Vol. 3. Washington, DC: American Institute for Conservation. pp. 125-129.
- 93 Derrick, Michele R., Helen D. Burgess, Mary T. Baker, and Nancy E. Binnie. 1990. Sulfuryl fluoride (Vikane): A review of its use as a fumigant. *Journal of the American Institute for Conservation*. 29(1): 77-90.
- 94 Deschiens, Robert and Christine Coste. 1957. The protection of works of art in carved wood from the attacks of wood-eating insects. *Museum*. 10(1):55-59.
- 95 Dotan, L., 2022. Arsenic and Old Feathers A Survey of Detection, Mitigation and Treatment Approaches for Pesticide-Affected Objects and Creating a Treatment Protocol Proposal for SUNY Buffalo State. Masters Thesis. State University of New York, Buffalo, NY.
- 96 Edwards, Stephen R., Bruce M. Bell, Mary Elizabeth King et al. 1981. *Pest Control in Museums: A Status Report (1980)*. Lawrence, KS: Association of Systematics Collections.
- 97 Elert, K. and Maekawa, S., 1997. Rentokil bubble in nitrogen anoxia treatment of museum pests. *Studies in conservation*, 42(4): 247-252.
- 98 Elliott, Michael. 1989. The pyrethroids: Early discovery, recent advances and the future. *Pesticide Science*. 27: 337-351.



**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 99 Espeland, M., Irestedt, M., Johanson, K.A., Åkerlund, M., Bergh, J.E. and Källersjö, M., 2010. Dichlorvos exposure impedes extraction and amplification of DNA from insects in museum collections. *Frontiers in Zoology*, 7, pp.1-7.
- 100 Farber, Paul L. 1977. The development of taxidermy and the history of ornithology. *Isis*. 68(244):550-566.
- 101 Feigl, Fritz and Vinzenz Anger. 1972. *Spot Tests in Inorganic Analysis*. 6th ed. Trans. by Ralph E. Oesper. Amsterdam: Elsevier Publishing Co.
- 102 Fellowes, J.W., Pattrick, R.A.D., Green, D.I., Dent, A., Lloyd, J.R. and Pearce, C.I., 2011. Use of biogenic and abiotic elemental selenium nanospheres to sequester elemental mercury released from mercury contaminated museum specimens. *Journal of hazardous materials*, 189(3): 660-669.
- 103 Fenn, Julia. 1988. Fumigation with hydrogen phosphide 'Phostoxin' at the Royal Ontario Museum. Proceedings of the 14th Annual IIC-CG Conference. May 27-30. Toronto. Toronto: IIC-CG. pp. 115-123.
- 104 Fisher, H.J. 1953. Report on Commercial Insecticides and Fungicides. New Haven, CT: The Connecticut Agricultural Experiment Station.
- 105 Florian, M.L.E., 1998. Natural products: for insect and fungal control?. *ICOM-Ethnographic conservation newsletter*, (18): 4-8.
- 106 Florian, M.L., 1987. The effect on artifact materials of the fumigant ethylene oxide and freezing used in insect control(pp. 199-208).
- 107 Florian, Mary-Lou E. 1986. The freezing process-Effects on insects and artifact materials. *Leather Conservation News*. 3(1):1-13, 17.
- 108 Florian, Mary-Lou. 1978. Biodeterioration of museum objects: An ecological approach to control and prevention. *Museum Roundup*. BC Museums Assoc. pp. 35-40.
- 109 Florian, Mary-Lou. 1990. The effects of freezing and freeze-drying on natural history specimens. *Collection Forum*. 6(2):45-52.
- 110 Florian, Mary-Lou. 1997. *Heritage Eaters: Insects & Fungi in Heritage Collections*. London: James & James, Inc.
- 111 Fogle, Sonja (ed.) 1985. *Recent Advances in Leather Conservation*. Washington, DC: American Institute of Conservation. (Discussion of fungicides and fumigants for leather p. 53ff.)

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 112 Found, Christine and Kate Helwig. 1995. The reliability of spot tests for the detection of arsenic and mercury in natural history collections: A case study. *Collection Forum*. 11(1):6-15.
- 113 Frear, Donald, ed. 1967. *Pesticide Handbook: Entoma*. 19th ed. State College, PA: College Science Publishers.
- 114 Fuentes, A., 2023. Damage, dirt and change over time: documenting conditions at the University of Cambridge Museum of Archaeology and Anthropology. *Journal of the Institute of Conservation*, 46(2): 127-140.
- 115 Funk, Fred and Kathy Sherfey. 1975. Uses of Edolan U in museum preparation and conservation of zoological material. *Curator*. 18(1):68-76.
- 116 Gaines, T.B., 1969. Acute toxicity of pesticides. *Toxicology and applied pharmacology*, 14(3): 515-534.
- 117 Gallo, F., 1975. Recent experiments in the field of disinfection of book materials. ICOM Committee for Conservation. In 4th Triennial Meeting, Venice (Vol. 75, No. 15, p. 7).
- 118 Gallardo, E. and Barroso, M. eds., 2022. *Pesticide Toxicology*. New York: Humana Press.
- 119 George, M.M., 1985. Determination of the Mothproofing Agents Eulan WA New, Eulan U33 and Mitin FF High Cone on Wool and Wool Blends Using Uv Spectrophotometry. *Journal of the Society of Dyers and Colourists*, 101(9): 288-291.
- 120 Gibson, L.T., Higgitt, C., Odegaard, N., Rushworth, I. and Bridgland, J., 2014, September. Novel non-invasive sensors for the detection of pesticides on heritage objects. In ICOM-CC 17th triennial conference preprints, Melbourne (pp. 15-19).
- 121 Gibson, L.T., and C.M. Watt. 2010. "Acetic and Formic Acids Emitted from Wood Samples and Their Effect on Selected Materials in Museum Environments." *Corrosion science* 52: 172–178.
- 122 Gilberg, M., 1990. Inert atmosphere disinfestation using Ageless® scavenger. In Proceedings of ICOM Committee for Conservation, 9th triennial meeting, Dresden, Germany, 26-31 August 1990. (pp. 812-816). ICOM Committee for Conservation.
- 123 Glastrup, Jens. 1987. Insecticide analysis by gas chromatography in the stores of the Danish National Museum's ethnographic collection. *Studies in Conservation*. 32(2):59-64.
- 124 Glew, Robert H, Stephen L. Williams, Michael D. Stroz and Asish K. Saha. 1994. Electrophoretic Analysis of the Effect of Selected Fumigants on Collagenase-protease Digestibility of Skin Proteins. *Journal IIC-GC*. 18: 11-16.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 125 Goldberg, Lisa. 1996. A History of Pest Control Measures in the Anthropology Collections, National Museum of Natural History, Smithsonian Institution. *Journal of the American Institute for Conservation*. 35:23-43.
- 126 Goodall, R.A. and Measday, D., 2020. Measuring and mitigating mercury vapour in the collection cabinets at Museums Victoria. *AICCM Bulletin*, 41(2): 140-151.
- 127 Grabow, Nicole and Melissa Amundsen. 2023. Duck, Duck, Grey Duck: A Study of Pesticides in Three Northwoods Taxidermy Collections. In *Postprints, AIC's 51st Annual Meeting*, Jacksonville, FL. Vol. 2: 39.
- 128 Graham-Bell, Maggie. 1986. *Preventive Conservation: A Manual*. 2nd ed. Victoria, BC: British Columbia Museums Association.
- 129 Green, L. and V. Daniels. 1987. Investigation of the residues formed in the fumigation of museum objects using ethylene oxide. *Recent Advances in the Conservation and Analysis of Artifacts*. London: Summer School Press. pp. 309-313.
- 130 Grenda-Kurmanow, M., 2017. Conservation versus genetics. Challenges of conservation planning for historic herbaria. *Linking Past and Future*. Copenhagen: ICOM-CC.
- 131 Gribovich, A., Lacey, S., Franke, J. and Hinkamp, D., 2013. Assessment of arsenic surface contamination in a museum anthropology department. *Journal of occupational and environmental medicine*, 55(2):164-167.
- 132 Grzywacz, Cecily M. 2006. *Monitoring for Gaseous Pollutants in Museum Environments*. Los Angeles, Calif.: The Getty Conservation Institute.
- 133 Gunther, Francis A. and Roger C. Blinn. 1955. *Analysis of Insecticides and Acaricides*. Vol. 6 in *Chemical Analysis Series*. NY: Interscience Publishers, Inc.
- 134 Gustafson, R.A., Modaresi, I.R., Hampton, G.V., Chepesiuk, R.J. and Kelley, G.A., 1990. Fungicidal efficacy of selected chemicals in thymol cabinets. *Journal of the American institute for Conservation*, 29(2), pp.153-168.
- 135 Haines, John H. and Stuart A. Kohler. 1986. An evaluation of ortho-phenyl phenol as a fungicidal fumigant for archives and libraries. *Journal of the American Institute for Conservation*. 25(1):49-55.
- 136 Hall, A. J. 1966. *Textile Finishing*. 3rd ed. London: Heywood Books. (Discussion of mothproofing p. 411 ff.)

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 137 Hamann, B., 2006. Testing cultural material for arsenic and interpreting the results: a case study at Carnegie Museum of Natural History. *Collection Forum*. 20(1-2): 13-22.
- 138 Hamilton, C.C. ed. 1941. *Entoma: A Directory of Insect Pest Control*. 4th ed. Eastern Branch of the American Association of Economic Entomologists.
- 139 Hanus, J., Richardin, P., Bonnassies-Termes, S., Durovic, M. and Kubelka, V., 1999. Comparison of two different methods of head space gas chromatography for determination of residual ethylene oxide in sterilised papers. In *Triennial meeting (12th)*, Lyon, 29 August-3 September 1999: preprints. Vol. 2 (pp. 507-512).
- 140 Harmon, James D. 1993. *Integrated Pest Management in Museum, Library and Archival Facilities*. Indianapolis, IN: Harmon Preservation Pest Management.
- 141 Hatchfield, P.B. and Carpenter, J.M., 1986. The problem of formaldehyde in museum collections. *International journal of museum management and curatorship*, 5(2): 183-188.
- 142 Havermans, J., Dekker, R. and Sportel, R., 2015. The effect of mercuric chloride treatment as biocide for herbaria on the indoor air quality. *Heritage Science*, 3, pp.1-8.
- 143 Hawks, C, K. Makos, D. Bell, P. Wambach, and G. Burroughs. 2004. An inexpensive method to test for mercury vapor in herbarium collections. *Taxon* 53(3): 783-790.
- 144 Hawks, C. and D. Von Endt. 1990. Mercury and mercury compounds in natural history collections: an annotated bibliography. *Natural History Conservation* (5): 4-19.
- 145 Hawks, C. and K. Makos. 2000. Inherent or acquired hazards in museum collections: implications for care and use of collections. *Cultural Resource Management* 23(5): 31-37.
- 146 Hawks, C. and Makos, K., 2001. Hidden hazards: the dark side of collections. *CIPP Post Prints AIC Annual Meeting*, Dallas, TX June 2, pp.5-51.
- 147 Hawks, C., M. McCann, K. Makos, L. Goldberg, D. Hinkamp, D. Ertel, Jr, and P. Silence (eds). 2011. *Health and Safety for Museum Professionals*. Society for the Preservation of Natural History Collections. New York.
- 148 Hawks, Catharine A. and Stephen L. Williams. 1986. Arsenic in natural history collections. *Leather Conservation News*. 2(2):1-4.
- 149 Hawks, Catharine A., Stephen L. Williams and Joan S. Gardner. 1984. *The Care of Tanned Skins in Mammal Research Collections*. *Museology* No. 6. Lubbock: Texas Tech Press.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 150 Hawks, Catharine and Deborah Bell. 1999. Removal of Stains Caused by Mercuric Chloride Treatments of Herbarium Sheet Labels. ICOM-CC Preprints, 12th Triennial Meeting, Lyon 29 August–3 September 1999. Paris: ICOM-CC. pp. 723–727.
- 151 Hawks, C., 2001. Historical survey of the sources of contamination of ethnographic materials in museum collections. In *Collection Forum* 16(1-2): 2-11.
- 152 Hayes, W.J., Jr., and E.R. Laws, Jr. (eds.), 1991. *Handbook of Pesticide Toxicology*. 3 volumes. Academic Press.
- 153 Heald, S. and Madden, O., 2011. Investigations into Naphthalene Mitigation on Museum Objects. In *NATCC Preprints*, 8th North American Textile Conservation Conference, Oaxaca, Mexico.
- 154 Hensel, J., de Ruijter, M. and Megens, L., 2021. The Bisj Pole Conservation Project at the Tropenmuseum: Pesticide mitigation during conservation treatment. In *Transcending Boundaries: Integrated Approaches to Conservation*. ICOM-CC 19th Triennial Conference Preprints, Beijing, 17–21 May 2021
- 155 Henderson, J. and Rumsey, K., 2015, January. Communicating pesticide contamination messages. In *Collection Forum* (Vol. 29, No. 1-2, pp. 49-60).
- 156 Heritage Canada. 2015. Mercury in Museum Collections. Canadian Conservation Institute (CCI) Notes 1/7.
- 157 Herrick, Glenn W., and Grace H. Griswold. 1932. Fumigation of the immature stages of clothes moths and carpet beetles with a mixture of ethylene dichloride and carbon tetrachloride. *Journal of Economic Entomology*. 25(2):243-248.
- 158 Hill, R.W. and Reuben, P., 2007, September. Decontaminating sacred objects of the Haudenosaunee. In *Proceedings of a Conference Symposium Preserving Aboriginal Heritage: Technical and Traditional Approaches*, Ottawa, Canada (pp. 195-199).
- 159 Hillman, David and Valerie Thorp. 1988. Museum pest management: The collections inspection room. *Proceedings of the 14th Annual IIC-CG Conference*. May 27-30, Toronto. Toronto: IIC-CG. pp. 101-106.
- 160 Hillyer, Lynda, and Valerie Blyth. 1992. Carpet beetle- A pilot study in detection and control. *The Conservator*. 16:65-77.
- 161 Hinsley Jr., Curtis M. 1981. *Savages and Scientists: The Smithsonian Institution and the Development of American Anthropology, 1846-1910*. Washington, DC: Smithsonian Institution Press.

**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 162 Holmes, William H. & O.T. Mason. 1902. Instructions to collectors of historical and anthropological specimens. Bulletin of the United States National Museum. No. 39. Pt. Q. Smithsonian Institution. Washington, DC: Government Printing Office.
- 163 Holt, E., Audy, O., Booij, P., Melymuk, L., Prokes, R. and Klánová, J., 2017. Organochlorine pesticides in the indoor air of a theatre and museum in the Czech Republic: Inhalation exposure and cancer risk. *Science of the total environment*, 609, pp.598-606.
- 164 Hornaday, W.T., 1886. How to collect mammal skins for purposes of study and for mounting. Report of the United States National Museum for the year ending June 30, 1886 (Pt. 2 of the Annual Report of the Board of Regents of the Smithsonian Institution for the year ending June 30, 1886).
- 165 Hough, W.A.M. 1889. The preservation of museum specimens from insects and the effects of dampness. In Annual Report of the Board of Regents of the Smithsonian Institution for the Year Ending June 30, 1887. Part 2. Washington, DC: Government Printing Office. pp. 549-558.
- 166 Hough, Walter. 1908. Otis Tufton Mason. *American Anthropologist*. New Series. Vol 10. pp. 661-667.
- 167 Howard, L.O. and C.L. Marlatt. 1896. Species injurious to woolen goods, clothing, carpets, upholstery, etc...In *The Principal Household Insects of the United States*. Bulletin No. 4. USDA, Dept. of Entomology. Washington, DC: Government Printing Office. pp. 58-69.
- 168 Hrdlicka, Ales. 1904. Directions for collecting information and specimens for physical anthropology. *United States National Museum Bulletin*, 39 Part R, 25 pp.
- 169 Hueck Van Der Plas, E., 1966. Survey of commercial products used to protect materials against biological deterioration. *International Biodeterioration Bulletin*. 2(2): 69-120.
- 170 Hueck H.J. 1958. A new development in the mothproofing of wool. *Overgedrukt uit: „De Tex" Delft*. pp. 1-8.
- 171 Hunt, George M. 1938. *Wood Preservation*. NY: McGraw Hill Co.
- 172 IARC Working Group on the Evaluation of Carcinogenic Risks to Humans, 2019. Pentachlorophenol and Some Related Compounds. *Volummer 117*. International Agency for Research on Cancer. World Health Organization.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 173 Institute of Agriculture and Natural Resources. 1999. Federally Registered and Restricted Use Pesticides: June 1999. University of Nebraska Cooperative Extension Bulletin EC99-2500-A. Lincoln: University of Nebraska.
- 174 Inter-Organization Programme for the Sound Management of Chemicals and World Health Organization, 2010. The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification 2009. World Health Organization
- 175 Ireland, C., Skipper, L. and Elie, M., 2014. Cleaning of metals contaminated with historic pesticide residues that are hazardous to health. *Journal of the Institute of Conservation*, 37(1): 65-81.
- 176 Jackson, Hartley H.T. 1926. The care of museum specimens of recent mammals. *Journal of Mammology*.7(2):113-119.
- 177 Jessup, Wendy. 1991. Integrated pest management: A selected bibliography for collections care. Unpublished manuscript.
- 178 Johnson, Delwin P. 1955. Rapid test for the detection of toxaphene in agricultural formulations. *Journal of the Association of Official Agricultural Chemists*. 38(1):153-155.
- 179 Johnson, Delwin P. 1956. Qualitative tests for rapid identification of chlorinated hydrocarbons in insecticide formulations. *Journal of the Association of Official Agricultural Chemists*. 39(2):490-497.
- 180 Johnson, J. 1999. Masked Hazard. In *Common Ground: Archeology and Ethnography in the Public Interest*. Fall Issue. National Park Service.
- 181 Johnson, J.S. and Pepper Henry, J., 2002. Pesticides and repatriation at the National Museum of the American Indian. In *Preprints of the ICOM-CC 13th Triennial Meeting, 22-28 September 2002, Rio de Janeiro*. James & James.
- 182 Johnson, J.S., Heald, S. and Chang, L., 2005. Case studies in pesticide identification at the National Museum of the American Indian. In *Preprints of the ICOM-CC 14th Triennial Meeting, 12-16 September 2015, The Hague*. James & James/Earthscan.
- 183 Johnson, Jessica, ed. 2001. *Contaminated Collections: Preservation, Access and Use*. Proceedings of A Symposium held at the National Conservation Training Center, Shepherdstown, West Virginia, April 6–9, 2001. *Collection Forum*. Volume 17.
- 184 Johnson, M.L. and E. Kritzman, 1985. Vapona for pest control in a museum: 1964-1982. *Acta Zoologica Fennica*. 170:75-76.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 185 Judd, Neil, M.R. Harrington, S.K. Lothrop. 1957. Frederick Webb Hodge: 1864-1956. *American Antiquity*. 22(4):402-404.
- 186 Jungreis, Ervin. 1997. *Spot Test Analysis: Clinical, Environmental, Forensic and Geochemical Applications*. Vol. 141. Chemical Analysis Series. NY: John Wiley & Sons, Inc.
- 187 Kaczowski, R.A., Makos, K.A., Hawks, C. and Hunt, M., 2017. Investigation of residual contamination inside storage cabinets: collection care benefits from an industrial hygiene study. *Journal of the American Institute for Conservation*, 56(2): 142-160.
- 188 Kearney, T.E., 2001. Chemical contamination of repatriated native Californian NAGPRA materials: Principles of risk assessment for acute and chronic health effects. *Collection*, 16(1-2), pp.44-53.
- 189 Kehoe, A.B. and Becker, M.J., 2019. Arsenic and Old Pelts: An Update on Deadly Pesticides in Museum Collections. *The Codex*, 28(1-2): 3.
- 190 Kelman, Lisa. 1999. Consideration for the conservation of fur-bearing mammal collections. *SSCR Journal*. 10(1): 10-15.
- 191 Kidwell, Clara Sue. 1999. Every Last Dishcloth: The Prodigious Collecting of George Gustav Heye. In Hail & Krech (eds.) *Collecting Native America: 1870-1960*. Washington, DC: Smithsonian Institution Press.
- 192 Kigawa, R. and Strang, T., 2011. Effects of fumigants and non-chemical treatments on DNA molecules and proteins: Case studies on natural history specimens and proteinaceous components of museum objects. *Integrated pest management for collections*, pp.115-122.
- 193 King, E.M. & B.P. Little. 1986. George Byron Gordon and the Early Development of the University Museum. In S.A. Kaplan & K.J. Barsness eds. *Raven's Journey: The World of Alaska's Native People*. Philadelphia, PA: The University Museum. Pp. 16-53.
- 194 Kinkela, D., 2011. *DDT and the American century: global health, environmental politics, and the pesticide that changed the world*. Univ of North Carolina Press.
- 195 Klassen, C.D. (ed) 2001. *Casarett and Doull's Toxicology: The basic science of poisons*. 6th ed. Columbus, OH: McGraw Hill Professional.
- 196 Klein, Denise. 2008. Identifying Museum Insect Pest Damage. *Conserve-O-Gram*. 3/11. National Park Service, Washington D.C.
- 197 Knapp, A.M., 2000. Arsenic health and safety update. *Conserve O Gram* 2/3. Washington, DC: National Park Service



**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 198 Knapp, Anthony M. 1993. Dichlorvos (Vapona) Update. Conserv-O-Gram. 2/4. National Park Service. Washington, D.C.
- 199 Knapp, Anthony M. 1993. Ethylene Oxide Health and Safety Update. Conserv-O-Gram. 2/2. National Park Service. Washington, D.C.
- 200 Kraševac, I., Nemeček, N., Lozar Štamcar, M., Kralj Cigić, I. and Prosen, H., 2021. Non-destructive detection of pentachlorophenol residues in historical wooden objects. *Polymers*, 13(7), p.1052.
- 201 Krieger, H.W., 1931. Care and preservation of museum specimens. *Museum News*, 8, pp.9-11.
- 202 Kroeber, A.L. 1915. Frederic Ward Putnam. *American Anthropologist*. V. 17. pp. 712-718.
- 203 Kroeber, A.L. 1937. Thomas Talbot Waterman. *American Anthropologist*. New Series. Vol. 39, pp. 527-529.
- 204 Krug, S. and Hahn, O., 2014. Portable X-ray fluorescence analysis of pesticides in the textile collection at the German Historical Museum, Berlin. *Studies in conservation*, 59(6): 355-366.
- 205 Krug, S., Tello, H., Paz, B., Unger, A. and Simon, S., 2007. Biocide determination in ethnological collections—A methodological approach. *Zeitschrift für Kunsttechnologie und Konservierung*, 21(2): 270-274.
- 206 Kubiatołowicz, R. and L. Benson. 2003. Oh No! Ethnobotany. The safe handling and storage of hazardous ethnobotanical artifacts. *Collection Forum* 18(1-2): 59-73.
- 207 Kumar, Y., Semeluk, G.P. and Unger, I., 1977. The luminescence properties of pesticides. II. Non-fluorescing carbamates. *Journal of Luminescence*, 15(3): 341-347.
- 208 Landry, L., 1998. Nineteen objects tested for arsenic residue. *ICOM-Ethnographic conservation newsletter*, (18):3-4.
- 209 Lazar, Allyson. 2000. Repatriating more than you know: The problem of Native American Objects and Past Museum Practices. Unpublished thesis. John F. Kennedy University.
- 210 Leechman, Douglas. 1931. Technical methods in the preservation of anthropological museum specimens. In *Annual Report National Museum of Canada, 1929*. (pp. 127-158).

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 211 Linnie, M.J., 1987. Pest control: A survey of natural history museums in Great Britain and Ireland. *International Journal of Museum Management and Curatorship*. 6: 277-290.
- 212 Linnie, Martyn J. 1996. Integrated pest management: A proposed strategy for natural history museums. *Museum Management and Curatorship*. 15(2):133-143.
- 213 Linnie, Martyn J, and Michael J Keatinge. 2000. Pest Control in Museums: Toxicity of Para-Dichlorobenzene, 'Vapona'<sup>™</sup>, and Naphthalene Against All Stages in the Life-Cycle of Museum Pests, *Dermestes Maculatus* Degeer, and *Anthrenus Verbasci* (L.) (Coleoptera: Dermestidae)." *International Biodeterioration & Biodegradation* 45(1):1-13.
- 214 Lipson, M. and McPhee, J.R., 1958. The mothproofing of wool with dieldrin. *Textile research journal*, 28(8), pp.679-686.
- 215 Lipson, M. and McPhee, J.R., 1958. The mothproofing of wool with dieldrin. *Textile research journal*, 28(8), pp.679-686.
- 216 Lundbaek, Torben. 1995. Temporary storage: A challenge to the National Museum of Denmark. *Museum International*. 47(4):23-27.
- 217 Lutz, Frank E. 1930. How to Collect and Preserve Insects. 7th ed. AMNH Guide Leaflet No. 39. NY: American Museum of Natural History.
- 218 Madden, O., Hodgkins, R. and Heald, S., 2014. Substituting SPME for noses in the detection and quantification of mothball vapors from textiles in the National Museum of the American Indian collection. In Preprints of the International Council of Museums Conservation Committee (ICOM-CC) 17th Triennial Conference, Melbourne, Australia, September 15-19 2014. ICOM-CC.
- 219 Maekawa, S. and Elert, K., 1996. Large-scale disinfestation of museum objects using nitrogen anoxia. In 11th triennial meeting, Edinburgh, Scotland, 1-6 September, 1996: preprints (ICOM Committee for Conservation) (pp. 48-53).
- 220 Mail, G. Allen. 1948. New chemical weapon spells doom for moths. *Pest Control and Sanitation*. 3(6):11-13.
- 221 Makos, K.A. and Hawks, C.A., 2014. Collateral Damage: Unintended consequences of vaporphase organic pesticides, with emphasis on p-dichlorobenzene and naphthalene. *MuseumPests 2014: Integrated Pest Management for Museums, Libraries, Archives and Historic Sites*, pp.27-28.
- 222 Makos, K.A., 2001a. Collections-based health hazards in museums, universities, and cultural institutions. *Occupational medicine (Philadelphia, Pa.)*, 16(4), pp.649-v.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 223 Makos, Kathryn A. 2001b. Hazard Identification and Exposure Assessment Related to Handling and Use of Contaminated Collection Materials and Sacred Objects. In *The Contamination of Museum Materials and the Repatriation Process for Native California: Proceedings of a Working Conference at the San Francisco State University, 29 September to 1 October 2000*. Collection Forum. Volume 16. pp. 93–112.
- 224 Makos, Kathryn A. and Elizabeth C. Dietrich. 1995. Health and environmental safety. In *Storage of Natural History Collections: A Preventive Conservation Approach*. Vol. I. (C.L. Rose, C.A. Hawks, and H.H. Genoways, eds.) Iowa City, Iowa: Society for the Preservation of Natural History Collections. pp. 233-252.
- 225 Mallis, Arnold. 1954. *Handbook of Pest Control*. 2th ed. NY: Mac Nair-Dorland Co.
- 226 Mallis, Arnold 1982. *Handbook of Pest Control* 6th ed., NY: Franzak & Foster
- 227 Mallis, Arnold. 2004. *Handbook of Pest Control* 9th ed., Cleaveland, Ohio: PCT Media Group.
- 228 Mann, Thomas L., ed. 1988. *Biographical Directory of Anthropologists Born Before 1920*. NY: Garland Publishing Inc.
- 229 Marco, Gino J., Robert M. Hollingworth and Jack R. Plimmer. 1991. *Regulation of Agrochemicals: A Driving Force in their Evolution*. Washington, DC: American Chemical Society.
- 230 Marco, Gino J., Robert M. Hollingworth and William Durham. 1987. *Silent Spring Revisited*. Washington, DC: American Chemical Society.
- 231 Marcotte, S., Estel, L., Leboucher, S. and Minchin, S., 2014. Occurrence of organic biocides in the air and dust at the Natural History Museum of Rouen, France. *Journal of cultural heritage*, 15(1): 68-72.
- 232 Mark, Joan. 1980. *4 Anthropologists: An American Science in its Early Years*. NY: Science History Publications.
- 233 Marmer, W.N., Magidman, P. and Carr, C.M., 1987. Pyrolysis gas chromatography of wool: Part I: Detection and quantitation of commercially applied agents. *Textile research journal*, 57(12): 681-686.
- 234 Marrs, T.C. and Ballantyne, B., 2004. *Pesticide Toxicology and International Regulation*. John Wiley & Sons, Ltd.
- 235 Marte, F., Pequignot, A. and Von Endt, D.W., 2006. Arsenic in taxidermy collections: history, detection, and management. In *Collection Forum* Vol. 21 (1-2): 143-149.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 236 Martin, A. R. 1947. Mothproofing agents. *Textile Research Journal* 17(9):522.
- 237 Mason, Otis T. 1889. Report upon the work in the Department of Ethnology in the U.S. National Museum for the year ending June 30, 1886. Part II. Government Printing Office.
- 238 Mason, Otis T. 1902. Directions for Collectors of American Basketry. *Bulletin of the United States National Museum*. No. 39, Pt. P. Smithsonian Institution. Washington, DC: Government Printing Office.
- 239 Mayfield, R. J. 1982. Mothproofing. *Textile Progress*. 11(4):1-11.
- 240 Mayfield, R.J., 1982. Determination of the mothproofing agent Mitin FF on wool textiles by high-performance liquid chromatography. *Analyst*, 107(1272): 324-327.
- 241 McCann, M. and A. Babin. 2008. *Health Hazards Manual for Artists*, 6th ed. Globe Pequot Press.
- 242 McGiffin Jr., Robert F. 1983. *Furniture Care and Conservation*. Nashville, TN: American Association for State and Local History. (Chapter 10 discusses insect control).
- 243 McGiffin, Jr. Robert F. 1985. A current status report of fumigation in museums and historical agencies. AASLH Technical Report #4. American Association for State and Local History.
- 244 McLendon, Sally. 1981. Preparing museum collections for use a primary data in ethnographic research. In *The Research Potential of Anthropological Museum Collections*. *Annals of the New York Academy of Sciences* Vol. 376. NY: NY Academy of Sciences.
- 245 Mendoza, C.E., P.J. Wales, H.A. McLeod and W.P. McKinley. 1968. Enzymatic detection of ten organophosphorus pesticides and carbaryl on thin-layer chromatograms: An evaluation of indoxyl, substituted indoxyl and l-naphthyl acetates as substrates of esterases. *Analyst*. 93:34-38.
- 246 Miller, P.L., 1991. Arsenic, old lace, and stuffed owls may be dangerous to your health: environmental concerns for museum personnel. *Caduceus* (Springfield, Ill.), 7(2): 63-70.
- 247 Minaeff, M.G. and J.H. Wright. 1929. Mothproofing. *Industrial and Engineering Chemistry*. 21(12):1187-1195.
- 248 Mitran, E.C., Sandulache, I.M., Secareanu, L.O., Lite, M.C., Iordache, O.G., Perdum, E. and Radu, G.L., 2020. Modern and contemporary textile museum collections: optimization method for pesticide analysis. *UPB Sci. Bull. Series B*, 82(3): 191-198.

**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 249 Mitran, E.C., Sandulache, I.M., Secareanu, L.O., Lite, M.C., Iordache, O.G., Perdum, E. and Radu, G.L., 2021. Assessing the presence of pesticides in modern and contemporary textile artifacts using advanced analysis techniques. *Industria Textila*, 72(2): 138-143.
- 250 Morgan, Bob & Jeanne Brako. 1987. Navajo Textiles. *American Indian Art Magazine*. Summer. pp.58-65.
- 251 Morita, T., Tujii, Y. and Matsunaga, T., 1987. Application of a new type of pyrethroidal compound on ethnographic textiles(pp. 211-214).
- 252 Moye, H. Anson. ed. 1981. Analysis of Pesticide Residues. Vol. 58 in Chemical Analysis Series. NY: John Wiley & Sons.
- 253 Muir, D., Lovell, M. and Peace, C.P., 1981. Health hazards in natural history museum work. *Museums Journal*, 80(4): 205-206.
- 254 Musee d' Ethnographie du Trocadero. 1931. Instructions sommaires pour les collecteurs d'objets ethnographiques. Paris: Musee d' Ethnographies (Musee National d' Histoire Naturelle).
- 255 Musser, D.R., 1936. Observations on the Effectiveness of Some Moth-Proofing Chemical Compounds. *Journal of the Kansas Entomological Society*, 9(4): 116-125.
- 256 Musshoff, F., Gottsmann, S., Mitschke, S., Rosendahl, W. and Madea, B., 2010. potential occupational exposures in the Reiss-Engelhorn-Museen Mannheim/Germany. *Bulletin of environmental contamination and toxicology*, 85, pp.638-641.
- 257 Nading, A.M., 2020. Living in a toxic world. *Annual Review of Anthropology*, 49, pp.209-224.
- 258 Nagin, Deborah and Michael McCann. 1982. Thymol and o-Phenyl Phenol: Safe Work Practices. NY: Center for Occupational Hazards.
- 259 Nair, S.M. 1972. Biodeterioration of Museum Materials in Tropical Countries. In Agrawal, O.P. ed) *Conservation in the Tropics, Proceedings of the Asia-Pacific Seminar on Conservation of Cultural Property*, Feb 77-16, 1972. Rome: International Center for Conservation.
- 260 Nason, James D. 2001. Poisoned Heritage: Curatorial Assessment and Implications of Pesticide Residues in Anthropo- logical Collections. In *Contaminated Collections: Preservation, Access and Use. Proceedings of A Symposium held at the National Conservation Training Center, Shepherdstown, West Virginia, April 6–9, 2001. Collection Forum. Volume 17. pp. 67–81.*
- 261 National Park Service. 2002. Guidelines for the Handling of Pesticide Contaminated Collections. *Conserve-O-Gram*. 2/19. NPS, Washington D.C.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 262 Nilsen, L. and Rossipal, M., 2019. Integrated Pest Management (IPM) for Cultural Heritage: proceedings from the 4th International Conference in Stockholm, Sweden, 21–23 May 2019. Riksantikvarieämbetet.
- 263 Nyuksha, J.P., Gromov, O.A. and Pokrovskaja, J.V., 1990. Mass processing of documents for fungi contamination control. In ICOM Committee for Conservation, 9th triennial meeting, Dresden, German Democratic Republic, 26-31 August 1990: preprints (pp. 478-481).
- 264 O’Neil, Maryadele, ed. 2001. The Merck Index. 13th ed. Whitehouse Station, NJ: Merck & Co., Inc
- 265 Odegaard, N. and Sadongei, A., 2005. Old poisons, new problems: a museum resource for managing contaminated cultural materials. Altamira Press.
- 266 Odegaard, N., 2019. Pesticide contamination and archaeological collections: contextual information for preparing a pesticide history. *Advances in Archaeological Practice*, 7(3): 292-301.
- 267 Odegaard, N., Boyer, L., Huber, M.J., Kaplan, L., Kunioka, C., Moreno, T., Podniki, C., Sadongei, A., Smith, D.R. and Zimmt, W., 2003. New ideas for testing, documentation, and storage of objects previously treated with pesticides. In *Proceedings of the Object Group Session, June 8, 2003, 31st Annual Meeting, Arlington VA (Vol. 10, pp. 33-42)*. Objects Specialty Group Postprints.
- 268 Odegaard, Nancy, Marilen Pool, and Alyce Sadongei, eds. 2001. *Old Poisons New Problems: Information and Resource Guide for Contaminated Cultural Materials in Museum Collections*. Workshop held at the Arizona State Museum, University of Arizona, Tucson, Arizona, March 16–17, 2000.
- 269 Odegaard, Nancy, Scott Carroll, and W.S. Zimmt. 2000. *Material Characterization Tests for Objects of Art and Archaeology*. London: Archetype Publications, Ltd.
- 270 Odegaard, Nancy. 2000. Contaminated Cultural Materials in Museum Collections: Reflections and Recommendations for a NAGPRA Issue. *WAAC Newsletter*. 22(2):18–20.
- 271 Olkowski, Daar, Sheila, and Olkowski, Helga. 1991. *Common-Sense Pest Control*. Newtown, CT: Taunton Press, 1991.
- 272 Ormsby, M., Johnson, J.S., Heald, S., Chang, L. and Bosworth, J., 2006. Investigation of solid phase microextraction sampling for organic pesticide residues on museum collections. In *Collection Forum (Vol. 20, No. 1-2, pp. 1-12)*.
- 273 Ornstein, L., 2010. *Poisonous Heritage: Pesticides in museum collections*, Master of Arts Thesis, Seton Hall University.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 274 Ornstein, L.A., 2011. Protecting Staff from Pesticides in Museum Collections. *Collections*, 7(3): 315-324.
- 275 Osgood, Cornelius. 1979. *Anthropology in Museums of Canada and the United States*. Milwaukee: Milwaukee Public Museum. *Museology*. No. 7.
- 276 Ott, Daniel E. and Francis A. Gunther. 1982. Field screening method for above-tolerance residues of dithiocarbamate fungicides. *Journal of the Association of Official Analytical Chemists*. 65(4):909-912.
- 277 Palmer, P.T., M. Martin, G. Wentworth, N Caldararo, L. Davis, S. Kane, and D. Hostler. 2003. Analysis of pesticide residues on museum objects repatriated to the Hupa Tribe of California. *Environmental Science and Technology* 37:1083–1088.
- 278 Palmer, P.T., Martin, M., Wentworth, G., Ostini, S., Prospero, C. and Fang, M., 2006. Pesticide contamination on Native American artifacts—methods, results from six case studies, and next steps. *Collection Forum*. 20(1-2):23-32.
- 279 Pardue, D., Integrated pest management in the United States National Park Service. In *ICOM committee for conservation: 8th triennial meeting, Sydney, Australia, 6-11 September, 1987*. Preprints (Vol. 3, pp. 1183-1187).
- 280 Paz, Boaz, and Nikolaus Wilke. 2022. An Investigation into the Decontamination of Biocide Polluted Museum Collections Using the Temperature and Humidity Controlled ICM Method. In *The Future of Heritage Science and Technologies*, 163–81. Cham: Springer International Publishing,
- 281 Peltz, Perri and Monona Rossol. 1983. *Safe Pest Control Procedures for Museum Collections*. New York, NY: Center for Occupational Hazards.
- 282 Pepper, George. 1910. *The George G. Heye Collection of North American Ethnology*. The University Museum Handbook No. 2. Philadelphia: University of Pennsylvania, University Museum.
- 283 Pereira M, Hammond B. 2001. Chronology of pesticides used on National Park Service collections. *Conserve O Gram* 2/16. Pp. 1-7.
- 284 Petroianu, G.A., 2015. Synthesis of tetraethyl pyrophosphate (TEPP): from physician Abbot and pharmacist Riegel to chemist Nylen. *Die Pharmazie-An International Journal of Pharmaceutical Sciences*, 70(6), pp.427-434.

**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 285 Pinniger, D. B. & Harmon, J. D. (1999). Pest management, prevention and control. In: Carter, D. & Walker, A. (eds). (1999). Chapter 8: Care and Conservation of Natural History Collections. Oxford: Butterworth Heinemann, pp. 152 - 176.
- 286 Pinniger, David. 1990. Insect Pests in Museums. Debiggh, Clwyd: Archetype Publications, Ltd.
- 287 Pinniger, David. 1998. Controlling Insect Pests: Alternatives to Pesticides. Conserv-O-Gram. 3/8. National Park Service. Washington, D.C.
- 288 Plenderleith, H.J. and A.E.A. Werner. 1971. The Conservation of Antiquities and Works of Art. 2nd ed. London: Oxford University Press.
- 289 Podsiki, C., 2008. Heavy metals, their salts, and other compounds: a quick reference guide from AIC and the Health & Safety Committee. AIC news, 33(6): 1-4.
- 290 Pool, M., Odegaard, N. and Huber, M., 2005. Identifying the pesticides: pesticide names, classification and history of use. Old Poisons, New Problems: A Museum Resource for Managing Contaminated Cultural Material, pp.5-31.
- 291 Pool, M.A. 2004. Health and Safety Technical Resources on Pesticides for the Conservator. American Institute for Conservation. Washington DC.
- 292 Pool, M.A. 2001. Unpublished documentation of pesticide use histories compiled for the Arizona State Museum on file in the ASM Preservation Division and Conservation Department; Pool, M.A., 2001. Pesticide use history at the National Museum of the American Indian. Unpublished four volume manuscript in the NMAI library.
- 293 Portoni, F., Grau-Bové, J. and Strlič, M., 2019. Application of a non-invasive, non-destructive technique to quantify naphthalene emission rates from museum objects. Heritage Science, 7(1): 1-9.
- 294 Portoni, F., Grau-Bové, J. and Strlic, M., n.d. Toxic collections: increasing the understanding of organic pesticide residues in indigenous and world cultures collections in museums.  
[https://www.ucl.ac.uk/bartlett/heritage/sites/bartlett\\_heritage/files/fabiana\\_portoni.pdf](https://www.ucl.ac.uk/bartlett/heritage/sites/bartlett_heritage/files/fabiana_portoni.pdf)
- 295 Purewal, V., 1999. The identification of hazardous pesticide and fungicide residues on herbarium material. SSCR journal: the quarterly news magazin of the Scottish Society for Conservation and Restoration, 10(4): 5-9.
- 296 Purewal,Victoria. 2001.The Identification of Four Persistent and Hazardous Residues Present on Historic Plant Collections Housed within the National Museum and Galleries of



**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- Wales. In *The Contamination of Museum Materials and the Repatriation Process for Native California: Proceedings of a Working Conference at the San Francisco State University, 29 September to 1 October 2000*. Collection Forum. Volume 16. pp. 77–86.
- 297 Pye, E., 1970. *A critical survey of pesticides recommended for use in conservation*. London: University of London, Institute of Archaeology.
- 298 Querner, P., 2015. Insect pests and integrated pest management in museums, libraries and historic buildings. *Insects* 6: 595–607.
- 299 Querner, P., Simon, S., Morelli, M. and Fürenkranz, S., 2013. Insect pest management programmes and results from their application in two large museum collections in Berlin and Vienna. *International Biodeterioration & Biodegradation*, 84, pp.275-280.
- 300 Raheel, Mastura. 1988. Pesticide penetration in fabrics: Fiber chemistry, surface energy, and fabric porosity. *Proceedings from the First International Symposium on the Impact of Pesticides, Industrial and Consumer Chemicals on the Near Environment, February 10-12, 1988, Orlando, Florida*. KS: KSU. pp. 127-136.
- 301 Raphael, Toby. 1985. Effects of Paradichlorobenzene on Museum Objects. *Conserv-O-Gram*. 3/13 National Park Service. Washington, D.C.
- 302 Raphael, Toby. 1985. Paradichlorobenzene Health and Safety Update. *Conserv-O-Gram*. 3/14 National Park Service. Washington, D.C.
- 303 Raphael, Toby. 1985. Use of Paradichlorobenzene in Museum Collections. *Conserv-O-Gram*. 3/12. National Park Service. Washington, D.C.
- 304 Raphael, Toby. 1994. An Insect Pest Control Procedure: The Freezing Process. *Conserv-O-Gram*. 3/6 National Park Service. Washington, D.C.
- 305 Rathore, H. S. 1996. Chromatographic and related spot tests for the detection of water pollutants. *Journal of Chromotography A*. 733:5-17.
- 306 Rathore, H.S., R. Shharma and S. Mital. 1997. Spot test analysis of pesticides: Detection of carbaryl and manozebe in water. *Water, Air and Soil Pollution*. 97:431-441.
- 307 Raw, G.R. ed. 1970. *CIPAC Handbook, Vol. 1: Analysis of Technical and Formulated Pesticides*. Hertfordshire, Eng: Collaborative International Pesticides Analytical Council, Ltd.
- 308 Reading, Paulette, Brandy Howard and Charles Koch. 2023. *Museums Poisons Test Kit: Analytical Testing for All Museums*. In *Postprints, AIC's 51st Annual Meeting, Jacksonville, FL*. Vol. 2: 41-51.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 309 Reagan, Barbara M. 1982. Eradication of insects from wool textiles. *Journal of the American Institute for Conservation*. 21(2):1-34.
- 310 Reagan, Barbara M. 1988. Insecticide product discoloration of nylon carpet dyes-An end use performance study. *Proceedings from the First International Symposium on the Impact of Pesticides, Industrial and Consumer Chemicals on the Near Environment, February 10-12, 1988, Orlando, Florida*. Manhattan, KS: Kansas State University. pp. 76-84.
- 311 Reigart, J. Routt and James R. Roberts. 1999. *Recognition and Management of Pesticide Poisonings*. 5th ed. Washington, DC: US Environmental Protection Agency.
- 312 Renshaw-Beauchamp, R. 1978. Fumigation: To purify with fumes. In *ICOM Committee for Conservation 5th Triennial Meeting Zagreb Yugoslavia 1-8 October 1978*
- 313 Reuben, P.A., 2006. Detection and Mitigation Strategies for Contaminated NAGPRA objects—The Seneca Nation’s experience. *Collection Forum* (Vol. 20(1-2): 33-41.
- 314 Riley, C.V., 1891. A new herbarium pest. *Botanical Gazette*, 16(12), pp.334-337.
- 315 Ritchie, Fran. 2020. Identifying Mouse and Rat Damage in Museum Collections. *Conserve-O-Gram*. 3/13. National Park Service, Washington, D.C.
- 316 Roark, R.C., 1931. An index of patented mothproofing materials. US Department of Agriculture Bureau of Chemistry and Soils, Insecticide Division.
- 317 Roberts, J.R. and Reigart, J.R., 2013. *Recognition and management of pesticide poisonings*. 6th ed. U.S. EPA 735K13001. Environmental Protection Agency, Office of Pesticides Programs.
- 318 Rossol, M. 2001. *The Artists Complete Health and Safety Guide*, 3rd ed. Allworth Press, New York
- 319 Rossol, Monona & Wendy C. Jessup, 1996. No magic bullets: Safe and ethical pest management strategies. *Museum Management and Curatorship*. 15(2):145-168.
- 320 Rushworth, I.D., 2016. Novel methods for the detection of historical biocidal residues in heritage environments. Doctoral dissertation, University of Strathclyde, Scotland.
- 321 Rushworth, I.D., Higgitt, C., Smith, M. and Gibson, L.T., 2014. Non-invasive multiresidue screening methods for the determination of pesticides in heritage collections. *Heritage Science*, 2, pp.1-8.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 322 Rust, Michael K. and Janice M. Kennedy. 1993. The Feasibility of Using Modified Atmospheres to Control Insect Pests in Museums. Marina del Rey, CA: Getty Conservation Institute.
- 323 Rust, Michael K., Vinod Daniel, James R. Drusik and Frank D. Preusser. 1996. The feasibility of using modified atmospheres to control insect pests in museums. *Restaurator*. 17:43-60.
- 324 Salmo, R., Palmer, P.T. and Tribe, K., 2017, September. Fast, Nondestructive, and Cost-Effective Methods to Detect Pesticide Residues: A Case Study of Several Repatriated Karuk Tribe Artifacts. In *Collection Forum* (Vol. 31, No. 1-2, pp. 23-33). Soc. for the Pres. of Natural History Collections.
- 325 Sample, I., 2003. Sacred heirlooms tarnished. *New Scientist*, 177(2384), pp.8-8.
- 326 Sanchez, S.A., Nunberg, S., Cnossen, K. and Eckelman, M.J., 2023. Life cycle assessment of anoxic treatments for cultural heritage preservation. *Resources, Conservation and Recycling*, 190, p.106825.
- 327 Sanders, Sherri. 1987. Effects of CO<sub>2</sub> Fumigation on pH. In ICOM Committee for Conservation 8th Triennial Meeting Sydney Australia 6-11 September 1987 pp. 945-946.
- 328 Sax, N. Irving & R.J. Lewis, eds. 1987. *Hawley's Condensed Chemical Dictionary*. 11th ed. NY: Van Nostrand Reinhold.
- 329 Schantz, Viola S. 1949. A war-time fumigant successful. *Journal of Mammalogy*. 30(1):82-83.
- 330 Schieweck, A., Lohrengel, B., Siwinski, N., Genning, C. and Salthammer, T., 2005. Organic and inorganic pollutants in storage rooms of the Lower Saxony State Museum Hanover, Germany. *Atmospheric Environment*, 39(33), pp.6098-6108.
- 331 Schieweck, A., Delius, W., Siwinski, N., Vogtenrath, W., Genning, C. and Salthammer, T., 2007. Occurrence of organic and inorganic biocides in the museum environment. *Atmospheric Environment*, 41(15), pp.3266-3275.
- 332 Schofield, E.K. and Crisafulli, S., 1980. A safer insecticide for herbarium use. *Brittonia*, pp.58-62.
- 333 Schur, Susan E. 1981. Laboratory profile: The anthropology conservation laboratory, Smithsonian Institution. *Technology & Conservation*. 4(81): 26-35.
- 334 Selwitz, C. and Maekawa, S., 1999. *Inert gases in the control of museum insect pests*. Getty Publications.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 335 Semeluk, G.P., Unger, I. and Addison, J.B., 1978. The luminescence properties of pesticides: III. The fluorescence lifetimes of some carbamates. *Journal of Luminescence*, 17(2), pp.211-215.
- 336 Shaw, Trevor and Max A. White. 1984. The chemical technology of wool finishing. Chapter 5 in, Lewin & Sello, eds., *Handbook of Fiber Science and Technology: Vol. II, Part B*. NY: Marcel Dekker, Inc. pp. 382-395.
- 337 Shchepanek, Michael J. 1996. Observations of temperature and relative humidity during the cooling and warming of botanical specimens for insect pest control. *Collection Forum*. 12(1):1-7.
- 338 Shugar, A.N. and Sirois, P.J., 2012. Handheld XRF use in the identification of heavy metal pesticides in ethnographic collections. In *Handheld XRF for Art and Archaeology (Studies in Archaeological Sciences 3)* (pp. 313-348).
- 339 Simms, S.J. and McIntyre, J.D., 2014. Toxic representations: museum collections and the contamination of native culture. *Canadian Journal of Native Studies*, 34(1): 151-169.
- 340 Simms, S.J., 2005. A polluting concept of culture: Native artefacts contaminated with toxic preservatives. *International Journal of Heritage Studies*, 11(4): 327-339.
- 341 Simms, S.J., 2007. *Cheating the end: native artifacts contaminated with toxic preservatives (Doctoral dissertation, Concordia University)*.
- 342 Sirois, Jane P. and John Taylor. 1988. The determination of arsenic and mercury in natural history specimens using radioisotope x-ray energy spectrometry and scanning electron microscopy. *Proceedings of the 14th Annual IIC-CH Conference, May 27-30, Toronto*. Toronto: IIC-CG. 124-136.
- 343 Sirois, P. Jane and Genevieve Sansoucy. 2001. Analysis of Museum Objects for Hazardous Pesticide Residues: A Guide to Techniques. In *Contaminated Collections: Preservation, Access and Use*. Proceedings of A Symposium held at the National Conservation Training Center, Shepherdstown, West Virginia, April 6–9, 2001. *Collection Forum*. Volume 17. pp. 49–66.
- 344 Sirois, P.J., Johnson, J.S., Shugar, A., Poulin, J. and Madden, O., 2008. Pesticide contamination: working together to find a common solution. In *Preserving Aboriginal Heritage: Technical and Traditional Approaches: Proceedings of Symposium 2007*. Canadian Heritage, Canadian Conservation Institute.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 345 Sirois, P.J., Poulin, J. and Stone, T., 2010. Detecting pesticide residues on Museum objects in Canadian collections—a summary of surveys spanning a twenty-year period. In Collection forum 24(1-2): 28-45.
- 346 Slocum, N., 2018. Toxins in the collection: museum awareness and protection. Masters Thesis, State University of New York, Buffalo.
- 347 Smith, Allan E. and Diane M. Secoy. 1975. Forerunners of Pesticides in Classical Greece and Rome. Journal of Agric. Food Chem. 23(6): 1050-1055.
- 348 Smith, B and B. Coulehan. 2002. Potential Exposure to Arsenic and Other Highly Toxic Chemicals When Handling Museum Artifacts. Applied Occupational and Environmental Hygiene 17(11): 741-743.
- 349 Solazzo, C., Erhardt, D., Marte, F., Von Endt, D. and Tumosa, C., 2004. Effects of chemical and biological warfare remediation agents on the materials of museum objects. Applied Physics A, 79, pp.247-252.
- 350 Sparacello, S., Gallo, G., Faddetta, T., Megna, B., Nicotra, G., Bruno, B., Giambra, B. and Palla, F., 2021. Thymus vulgaris essential oil and hydro-alcoholic solutions to counteract wooden artwork microbial colonization. Applied Sciences, 11(18), p.8704.
- 351 Spittler, Terry D., John B. Bourke, Paul B. Baker and George W. Helfman. 1985. Inhalation exposure of museum personnel to ethylene dichloride-carbon tetrachloride fumigant. Dermal Exposure Related to Pesticide Use: Discussion of Risk Assessment: Based on a Symposium Sponsored by the Division of Pesticide Chemistry at the 187th Meeting of the American Chemical Society, St. Louis, Missouri, April 8-13, 1984 Washington, D.C.: American Chemical Society, 1985. pp. 243-251.
- 352 Spivak, S.M., Worth, J. and Wood, F.E., 1981. Assessing the effects of pesticidal chemicals on historic textiles. In Preservation of Paper and Textiles of Historic and Artistic Value II. Advances in Chemistry Series 193. American Chemical Society, Washington D.C.
- 353 Sprankle, C.N. and Ruth Slabaugh. 1937. Mothproofing compounds. Textile World. 87:2015.
- 354 Stavroudis, C., 2003. Mercury, the other heavy metal. Western Association for Art Conservation Newsletter, 25, pp.8-11.
- 355 Stellman, JM (ed.)1998. Encyclopedia of Occupational Health and Safety. 4th ed. Geneva: International Labour Organization

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 356 Storer, Tracy. 1931. Amount of carbon disulfid needed in fumigating museum cases. *Journal of Mammalogy*. 12(3):321-322.
- 357 Story, Keith O. 1985. *Approaches to Pest Management in Museums*. Suitland, MD: Conservation Analytical Laboratory, Smithsonian Institution.
- 358 Strang, T.J.K., 2014, November. The use of thermal control against insect pests of cultural property. In *The 11th International Working Conference on Stored Product Protection*, Chiang Mai, Thailand (pp. 690-723).
- 359 Strang, Thomas J.K. and John E. Dawson. 1991. *Controlling Vertebrate Pests in Museums*. Technical Bulletin No. 13. Ottawa: Canadian Conservation Institute.
- 360 Strang, T. and Kigawa, R., 2009. *Combatting pests of cultural property*. Technical Bulletin No. 29. Ottawa: Canadian Conservation Institute.
- 361 Strassburg, Richard. 1978. *The Use of Fumigants in Archival Repositories*. *American Archivist*, Vol. 41: 25–36.
- 362 Strekopytov, S., 2017. Wolfgang Helmgard von Hohberg (1612–1688) and John Woodward (1665–1728): first records of using arsenic and mercury for the preservation of natural history collections. *Archives of natural history*, 44(1):173-176.
- 363 Sturtevant, William C. 1977. *Guide to field collecting of ethnographic specimens*. 2nd ed. Smithsonian Leaflet Information, Leaflet 503. Washington, DC: Smithsonian Institution.
- 364 Sudakin, D.L., Stone, D.L. and Power, L., 2011. Naphthalene mothballs: emerging and recurring issues and their relevance to environmental health. *Current topics in toxicology*, 7, p.13.
- 365 Sugiyama, Makiko. 1991. A Survey of Pest Control in Museums in Japan. *Proceedings of the 8th International Biodeterioration and Biodegradation Symposium*, Windsor, Ontario, Canada 26-31 August 1990. pp.399 - 401.
- 366 Summerfield, P.M. 1980. Guidelines for curating a costume and textiles collection. *Curator*. 23(4):287-291.
- 367 Sumner, Francis B. 1927. Linear and Colorimetric Measurements of Small Mammals. *Journal of Mammalogy*. 8(3): 177-193.
- 368 Szent-Ivany, J.J.H., 1968. Identification and control of insect pests. In *The Conservation of Cultural Property with Special Reference to Tropical Conditions* (Vol. 11, pp. 53-70).

**PUBLISHED REFERENCES  
FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 369 Szulczynska, A., 2000. DDT Health and safety update. Conserve O Gram, 2/14. National Park Service, Washington D.C.
- 370 Tahori, A.S. ed. 1971. Pesticide Terminal Residues. Proceedings from symposium at Tel-Aviv, 1971. London: Butterworths.
- 371 Tănăsescu, E.C. and Lite, M.C., 2022. Harmful health effects of pesticides used on museum textile artifacts-overview. *Ecotoxicology and Environmental Safety*, 247, p.114240.
- 372 Tello, H., 2021. Les insecticides, témoins silencieux dans les collections du Musée d'ethnologie de Berlin: Les collections muséales du Musée d'ethnologie de Berlin entre préservation et délabrement. *Trouble dans les collections*, (2).
- 373 Tello, H., 2023. *The Toxic Museum: Berlin and Beyond*. Taylor & Francis.
- 374 Tello, H., Jelen, E. and Unger, A., 2005. Decontamination of ethnological collections using supercritical carbon dioxide. In *Collection forum* (Vol. 19, No. 1-2, pp. 45-48).
- 375 Thietje, Walter C. and George D. Schrimper. 1967. Laboratory techniques for mounting rabbits and other small mammals. *Museum News Technical Supplement*. 45(16):49-52.
- 376 Tinker, Jon. 1972. The Vapona dossier. *New Scientist*. 53(785):489-492.
- 377 Tinkham, Rebecca. 2011. A Case Study of Arsenic Mitigation from Textiles Prior to Exhibit. In *ICOM Committee for Conservation 16th Triennial Meeting Lisbon Portugal 19-23 September 2011: 1-9*.
- 378 Troxler, William L., Steven K. Goh and Lynton W.R. Dicks. 1993. Treatment of pesticide – contaminated soils with thermal desorption technologies. *Air & Waste*. 43:1610-1619.
- 379 U.S. Environmental Protection Agency. 1998. Status of Chemicals in Special Review. Office of Pesticide Programs. EPA-738-R-98-001.
- 380 U.S. Environmental Protection Agency. 1998. Status of Pesticides in Special Review and Reregistration. Office of Pesticide Programs. EPA-738-R-98-002.
- 381 U.S. Environmental Protection Agency. 2004. *Historic Arsenical Pesticides Research*. Office of Pesticides Programs.
- 382 Unger, A., Schniewind, A. and Unger, W., 2001. *Conservation of wood artifacts: a handbook*. Springer Science & Business Media.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 383 Urban, J. and P. Justa. 1986. Conservation by gamma radiation: The Museum of Central Bohemia in Roztoky. *Museum*. 38(3):165-167.
- 384 Üstün, Ö.G. and Eng, C., 2009. The limitations of hand-held XRF analyzers as a quantitative tool for measuring heavy metal pesticides on art objects. *ICOM-CC Ethnographic Conservation Newsletter*, 30: 5-8.
- 385 Valentin, Nieves, Mary Lidstrom and Frank Preusser. 1990. Microbial control by low oxygen and low relative humidity environment. *Studies in Conservation*. 35(4):222-230.
- 386 Valentin, N., Bergh, J.E., Ortega, R., Akerlund, M., Hallstrom, A. and Jonsson, K., 2002. Evaluation of portable equipment for large-scale de-infestation in museum collections using a low-oxygen environment. In *ICOM Committee for Conservation, ICOM-CC: 13th Triennial Meeting, Rio de Janeiro, 22-27 September 2002: preprints (Vol. 1, pp. 96-101)*.
- 387 Van Gelder, Richard G. 1965. Another man's poison. *Curator*. 8(1):55-71.
- 388 Vetter, A. and Bauer, W.P., 1978. Pest control in ethnographic museums by means of fumigation. In *ICOM Committee for Conservation. 5th Triennial Meeting, Zagreb, 1-8 Oct. 1978. Preprints (pp. 12-12)*.
- 389 Vieira, A.C.D., Salvador, P.A.V. and Santos, P.D.S., 2023. Moving toward sustainable conservation: experience of the Museum of Archaeology and Ethnology (MAE-USP). In *Working towards a sustainable past. ICOM-CC 20th Triennial Conference Preprints, Valencia, 18-22 September 2023*.
- 390 Vingelsgaard, V. and A.L. Schmidt. 1986. Removal of Insecticides from Furs and Skins: Registration of Conservation Condition. *ICOM Symposium of Ethnographic and Water-Logged Leather, 9-11.6. 86/Amsterdam. ICOM: Amsterdam. pp. 51-60*.
- 391 Wagstaffe, Reginald. ed. *The Preservation of Natural History Specimens. Vol. 2. New York: Philosophical Library.*
- 392 Ward, Philip R. 1976. *Getting the Bugs Out. Museum Manual #4. Victoria: British Columbia Provincial Museum.*
- 393 Warner, Mark S., and Ray Von Wandruszka. "Urine on the Shelves." *Advances in Archaeological Practice : a Journal of the Society of American Archaeology* 11, no. 4 (2023): 413-20
- 394 Ware, George W. 1986. *Fundamentals of Pesticides: A Self-Instruction Guide. Fresno, CA: Thomson Publications.*
- 395 Ware, George W. 1989. *The Pesticide Book. Fresno, CA: Thomson Publications.*



**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 396 Ware, George W. 1996. Complete Guide to Pest Control with and without Chemicals. 3rd ed. Fresno, CA: Thomson Publications.
- 397 Watterson, A., 1988. Pesticide users' health and safety handbook. An international guide. New York: Van Nonstrand Rheinhold.
- 398 Webster, Laurie. 1988. How Museums Change the Objects They Preserve: Museum treatment information and its significance for the study of cultural materials. Masters Thesis. University of Arizona. Tucson, Arizona.
- 399 Webster, Laurie. 1990. Altered states: Documenting changes in anthropology research collections. *Curator*. 33(2):130-160.
- 400 Wellheiser, Johanna G. 1992. Non-chemical Treatment Processes for Disinfestation of Insects and Fungi in Library Collections. IFLA Publication #60. Munich: KG Saur.
- 401 Wexler, P. (ed.) 2023. Encyclopedia of Toxicology. 4th edition. Elsevier, Inc.
- 402 Wexler, Philip. (Ed.) 2023. Encyclopedia of Toxicology. 4th ed. Elsevier, Inc.
- 403 Whitten, W.M., Williams, N.H. and Glover, K.V., 1999. Sulphuryl fluoride fumigation: effect on DNA extraction and amplification from herbarium specimens. *Taxon*, pp.507-510.
- 404 Whitmore, T.C. and Fosberg, F.R., 1965. Lauryl Pentachlorophenate Protecting Herbarium Specimens. *Taxon*, pp.164-166.
- 405 Whorton, James C. 1974. Before Silent Spring: Pesticides and Public Health in Pre-DDT America. Princeton University Press.
- 406 Whyte, William F. 1984. Learning from the field: A guide from experience. Beverly Hills: Sage Publications.
- 407 Williams, S. and C. Hawks. 1987. History of materials used in the preparation of recent mammal collections, in *Mammal Collection Management*. H. Genoways, C. Jones and O. Rossolimo (eds.) Texas Tech Press, Lubbock, TX. Pp. .21-49.
- 408 Williams, S.L., H.H. Genoways and D.A. Schlitter. 1985. Control of insect pests in recent mammal collections. *Acta Zoologica Fennica*. 170:71-73.
- 409 Williams, S.L., Hawks, C.A. and Weber, S.G., 1986. Considerations in the use of DDVP resin strips for insect pest control in biological research collections. *Biodeterioration VI, Proceedings of the 6th International Biodeterioration Symposium*. International Mycological Institute. pp. 344–350.

**PUBLISHED REFERENCES**  
**FOR THE PESTICIDE DATABASE on MuseumPests.net**

- 410 Williams, Stephen L. and Elizabeth A. Walsh. 1989. Developing chemical pest control strategies for museums. *Curator*. 32(1):34-69.
- 411 Windholz, M. ed. 1983. *The Merck Index*. 10th ed. Rahway, NJ: Merck and Co., Inc.
- 412 Witt, J.M. 1960. Nature and properties of pesticide chemicals. Conference Manual: The First Annual University of Arizona Pest Control Conference, Jan. 22-23, 1960. Tucson, AZ: University of Arizona Department of Entomology. pp. 12a-l.
- 413 Wollentz, G., May, S., Holtorf, C. and Högberg, A., 2020. Toxic heritage: Uncertain and unsafe. *Heritage futures: Comparative approaches to natural and cultural heritage practices*, pp.294-312.
- 414 Woolson, E. A. ed. 1975. *Arsenical Pesticides*. ACS Symposium Series, Vol. 7. Washington, DC: American Chemical Society.
- 415 Wörle, M., Hubert, V., Hildbrand, E., Hunger, K., Lehmann, E., Mayer, I., Petrak, G., Pracher, M., von Arx, U. and Wülfert, S., 2012. Evaluation of decontamination methods of pesticide contaminated wooden objects in museum collections: efficiency of the treatments and influence on the wooden structure. *Journal of Cultural Heritage*, 13(3), pp.S209-S215.
- 416 Yadon, Vernal L. 1966. A portable fumigation chamber for the small museum. *Museum News*. 44(5):38-39.
- 417 Yochelson, Ellis L. 1985. *The National Museum of Natural History: 75 Years in Natural History*. Washington, DC: Smithsonian Institution Press.
- 418 Zimmer, Judith et al. 2016. *Blessing and curse – biocides: application, analysis, evaluation*. German Historical Museum Foundation.
- 419 Zycherman, Lynda A. and Schrock, J. Richard. eds. 1988. *A Guide to Museum Pest Control*. Washington, DC: American Institute for Conservation & Association of Systematics Collections.