

**Identification des fibres textiles :**

**Préparation d'éprouvettes et examen sous microscope**

**Inp – Département des restaurateurs  
Orientations bibliographiques  
Décembre 2012**

*Tous les documents ci-dessous peuvent être consultés à la Bibliothèque de l'INP*

« L'identification des fibres naturelles », *CCI ICC notes*, Ottawa, Institut canadien de conservation (ICC) = Canadian conservation institute (CCI), 2010, 4 p. (Notes de l'ICC, 13/18)  
< <http://www.cci-icc.gc.ca/publications/notes/index-fra.aspx> > (consulté le 18/12/2012)

ACCIANI Caterina, *I supporti artistici in tela: studio delle caratteristiche chimiche-strutturali-meccaniche e metodi di riconoscimento delle fibre*, 40 p. Analyses du laboratoire de chimie dédiée à la restauration, licence, Rome. Discipline : science appliquée aux biens culturels et aux analyses pour leur conservation : 2005  
< [http://w3.uniroma1.it/chemo/ftp/fibre\\_tessili\\_final1.pdf](http://w3.uniroma1.it/chemo/ftp/fibre_tessili_final1.pdf) > (consulté le 18/12/2012)

ANHEUSER Kilian, ROUMELIOTOU Myrsini, « Characterisation of mineralised archaeological textile fibres through chemical staining », *Conservator (The)*, 2003, n° 27, p. 23-33.  
4° PER 20 - 7

*Archaeological chemistry : organic, inorganic, and biochemical analysis*. Developed from a symposium, at the 209th national meeting of the American Chemical Society, Anaheim, California, April 2-6, 1995, Washington DC, American Chemical Society, 1996, ACS symposium series, 625, XI-459 p.  
8° A 50/26 – 5

ARTIOLI Gilberto, Angelini Ivana, Berna F., Bicchieri Marina et al., *Scientific methods and cultural heritage : an introduction to the application of materials science to archaeometry and conservation science*, Oxford, Oxford University Press, 2010, XIV-536 p  
8° 70/80 - 1

ASTBURY, W.T. BRAGG William, *Fundamentals of fibre structure*, London, Oxford University, 1933, IX-187 p.  
8° 150 - 27

BERRY G.M., HERSH S.P., TUCKER P.A., KERR N., MACELWAIN D.M., « Properties of some archaeological textiles », in *ICOM Committee for Conservation. 5th Triennial Meeting*, Zagreb, 1 - 8 Oct. 1978. Preprints, Paris, International Council of Museums, October 1978, p.15  
8° 26 III - 2

BOOTH J. E., *Principles of Textile Testing : An introduction to physical Methods of Testing Textiles Fibres, Yarns and Fabrics*, London, Newnes-Butterworths, 1978, 583 p.  
8° 150/70 - 1

BRESEE Randall R., WEAVER J. William, «Single fiber analysis» in *Analytical methods for a textile laboratory*, 3rd ed. Research triangle park, NC, USA, American association of textile chemists and colorists, 1984, p. 9-28  
8° 150/70 - 15 ; 8° 150/70 - 16

CARR Debra, CRUTHERS Natasha, SMITH Catherine et al., « Identification of selected vegetable textile fibres », *Reviews in conservation*, 2008, n° 9, p. 75-87  
4° PER 20 - 73

COOK J. Gordon, *Handbook of textile fibers*, Durham, Merrow Publ., 1984, 5ème éd., 2 vol., 208 p. et 723 p.  
8° 8° 150 I - 1,2

FULTON I.S., «Sample preparation techniques for the analysis of materials from conservation laboratories by spectroscopic methods: infrared, ultraviolet, visible, atomic absorption spectroscopies, and gas chromatography», *ICCM bulletin*, June 1980, vol.6 n°2, p.8-19  
8° PER 20 – 10

GARNER W., *Textile laboratory manual*, third ed., vol. 5, Fibres, New York American Elsevier Publ., 1967, London Heywood Books, 265 p.  
8° 150/190 - 76

GARSIDE Paul, WYETH Paul, « Identification of cellulosic fibres by FTIR spectroscopy : differentiation of flax and hemp by polarized ATR FTIR », *Studies in conservation*, 2006, Vol. 51, n° 3, p. 205-211  
8° PER 20 - 1

GARSIDE Paul, WYETH Paul, « Identification of cellulosic fibres by FTIR spectroscopy : thread and single fibre analysis by attenuated total reflectance », *Studies in conservation*, 2003, Vol. 48, n° 4, p. 269-275.  
8° PER 20 - 1

GAY Marie-Christine, MONROCQ R., «Identification des fibres textiles naturelles par examen microscopique», *Annales du Laboratoire de recherche des Musées de France*, 1972, p.16-22  
8° PER 70 – 1

GOFFER Zvi, *Archaeological chemistry : [a sourcebook on the applications of chemistry to archaeology]*, New York, John Wiley & sons, 2008, XXII-623 p. (Chemical analysis, 170)  
8° A 50 - 6

GOODWAY Martha, «Fiber identification in practice», *Journal of the American Institute for Conservation*, 1987, vol. 26 n°1, p.27-44  
8° PER 20 - 11

GREAVES P.H., SAVILLE B.P., *Microscopy of textile fibres*, Oxford, Bios Scientific Publishers, 1995 XI-92 p., (Royal Microscopical Society Microscopy Handbook, 32)  
8° 150/70 - 10

HALL A.J., *The standard handbook of textiles*, Heywood books, 1969, 370 p.  
8° 150/190 - 66

HELMAN-WAZNY Agnieszka, «Asian paper in works of art : a comparative fiber analysis», *Hand papermaking*, Winter 2006, vol. 21 n°2, p. 3-9  
4° PER 145/190 – 2

HESS, Katharine Paddock, *Textile fibers and their use*, Chicago, J.B.Lippincott company, 1958, Philadelphia, New York, XVII-549 p.  
8° 150/190 - 15

HEYDENREICH, Gunnar, CARSON David ; GRZYWACZ Cecily M. et al., « Painting on white canvas: sixteenth century bleaching practices and analysis of morphological and chemical changes in flax fibres », In *ICOM-CC 15th Triennial conference, New Delhi, 22-26 September 2008, Preprints, Vol. II*, New Delhi, Allied publishers, 2008, p. 609-618  
4° 26 III - 189; cdrom.26 III - 7

HOUCK Max M., *Identification of textile fibers*, Boston, Mass., Woodhead publishing ltd ; Textile Institute, Boca Raton, CRC Press, 2009, XX-375 p.  
8° 150/70 - 15

HÜNLICH Richard, HALL A.J., *Textile fibres and materials : Their properties and identification with special reference to rayon and staple fibre*, London, Thomas Skinner, 1939, 222 p.  
8° 150/70 - 9

JANAWAY Rob, WYETH Paul, *Scientific Analysis of Ancient and Historic Textiles : informing preservation, display and interpretation*, postprints, London, Archetype publications, 2006. XII-266 p.  
4° T 26 III - 1

JANAWAY Rob, WYETH Paul, *Scientific Analysis of Ancient and Historic Textiles : informing preservation, display and interpretation : postprints*, London, Archetype publications, 2006, XII-266 p.  
4° T 26 III - 1

JANAWAY Robert, «Textile fibre characteristics preserved by metal corrosion : the potential of SEM studies», *The conservator*, 1983, n°.7, p.48-52  
4° PER 20 – 7

*Journal of engineered fibers and fabrics*, [périodique trimestriel], Raleigh, NC The Fiber Society Cary, N.C. INDA (Association of the Nonwoven Fabrics Industry) Norcross, G.A. Technical Association of the pulp and paper industry (TAPPI) Research Triangle Park, N.C. American association of textile chemists and colorists (AATCC) 2006- *Les numéros en texte intégral sont consultables sur Internet* < <http://www.jeffjournal.org/> >

KADIKIS Ausma, «Comments on quantitative fiber mixture analysis by scanning electron microscopy», *Textile Research Journal*, November 1987, vol. 57, n° 11, p. 676-677  
Bo 150 - 1

KHARBADE B. V., AGRAWAL O.P., «Identification of natural red dyes in old Indian textiles. Evaluation of thin layer chromatographic systems», *Journal of Chromatography*, 1985, vol. 347, n°2,  
4 ° PER 77 - 2

KING Rosalie Rosso, HARTLEY Emily, «Wild & woolly...Or woody & woolly...Or...Unusual fibers used in Northwest Coast ethnographic textiles, their preparation & their structure», *Technology & conservation*, 1979, vol. 4 n°1, p.9-10 12 35  
8° PER 20 - 6

MAUERSBERGER Herbert R., *Matthew's textile fibers : their physical, microscopical, and chemical properties*, New York, John Wiley & Sons, 1947, fifth ed. 1133 p.  
8° 150 I - 10

MERRITT Jane ; Bischoff Judy, *Development of a Web-Accessible Reference Library of Deteriorated Fibers Using Digital Imaging and Image Analysis* : Proceedings of a Conference, held at the National Conservation Training Center (NCTC) in Shepherdstown, West Virginia, April 3-6, 2003, 182 p.  
< <http://www.nps.gov/hfc/pdf/cons/con-fiber.pdf> > (consulté le 18/12/2012)

MORTON W.E., HEARLE J.W.S., *Physical properties of textile fibres*, London, Heinemann Textile Institute, 1975, 660 p.  
8° 150 - 14

MOULHERAT Christophe, « L'archéologie des textiles : Une nouvelle discipline au service de la connaissance et de la compréhension des sociétés humaines », *L'actualité chimique*, Avril 2008, n° 318, p. 30-34  
4° 20/50 - 4

*Northern archaeological textiles : NESAT VII, Textile symposium in Edinburgh, 5th-7th May 1999 (NESAT, 7)*, Oxford, Oxbow books, 2005  
4° T 26 - 5

PRESTON J.M., *Fibre science*, Manchester, Textile institute, 1953, 2nd ed., 421 p.  
8° 150 - 28

ROGERSON Cordelia, GARSIDE Paul, *The Future of the 20th Century = AHRC Research Centre for Textile Conservation and Textile Studies Second annual conference 26-28 July 2005 : Collecting, Interpreting and Conserving Modern materials*, London, Archetype publications, 2006, VII-143 p.  
4° T 26 III - 2

SCHAFFER Erika, «Fiber identification in ethnological textile artifacts», *Studies in conservation*, August 1981, vol. 26 n°3, p.119-129  
8° PER 20 – 1

SHENAI V. A., *Technology of textile processing, vol. I, Textile fibres*, Bombay, Sevak publications, 1971, 288 p.  
8° 150 - 25

SIEBEL Erich, SOMMER H., WINKLER Fr. BECKER G. BOBETH W., BÖHRINGER H., *Handbuch der Werkstoffprüfung*, Berlin, Springer Verlag, 1960, 1440 p.  
8° 150/70 - 2

SOTTON Michel, «Des fibres textiles naturelles», *Conservation Restauration*, 1989, n°11, p.7-13  
4° PER 20 – 11

TERVOORT T., SMITH P., «Fibres, fils et tissus», *Pour la science*, Décembre 1999, n° 266, 208 p.  
4° PER 50/60 – 3

THIBAUD Célia, *Variation sur un même thème : étude et restauration de trois couvertures de musettes de cour : caractérisation des états de dégradation des cuirs par observation et micro-analyse : réflexion autour d'un protocole d'observation des fibres de soie en vue de la caractérisation de leur état de dégradation* [Mémoire de diplôme], Saint-Denis, Inp, département des restaurateurs du patrimoine, 2006, 156 p.

TIMARNE BALAZSY Agnes, «The role of material tests in textile restoration» in *Conservation - restoration of church textiles and painted flags; Investigation of museum objects and materials used in conservation - restoration*; Fourth International Restorer Seminar, Veszprém, Hungary, 2-10 July 1983, Budapest, National Centre of Museums, 1984, p. 229-240  
8° 26 III - 52 ; 8° 26 III - 57

TRILLING James, *The Roman heritage : textiles from Egypt and the Eastern Mediterranean 300 to 600 AD*, Washington, D.C. Textile Museum, 1982, 112 p.  
8° T 4b 12a – 1

TROTMAN E. R., *Dyeing and chemical Technology of textile Fibres*, London, Ch. Grillin & Co ltd, 1975, 5 éd., 710 p.  
8° 150/251 - 2

URQUHART, A.R., HOWITT F.O., *The structure of textile fibres : an introductory study*, Manchester, Textile institute, 1953, 165p.  
8° 150 - 16

*Verband der Restauratoren (VDR), Schimmel: Gefahr für Mensch und Kulturgut durch Mikroorganismen = Fungi: a threat for people and cultural heritage through micro-organisms*, RAUCH Angelika, MIKLIN-KNIEFACZ Silvia, HARMSEN Anne (Editor), (VDR Schriftenreihe, 1) Stuttgart, Konrad Theiss Verlag, 2004, 256 p.  
4° 46/26 - 1

WEAVER J.William, *American Association of Textile Chemists and Colorists, Analytical methods for a textile laboratory*, 3rd, Research Triangle Park, American Association of Textile Chemists and Colorists, 1984, 403 p.  
8° 150/70 - 15 ; 8° 150/70 - 16

YINON Jehuda, SAAR Jacob, «Analysis of dyes extracted from textile fibers by thermospray high-performance liquid chromatography-mass spectrometry», *Journal of Chromatography*, 1991, 586, n° 1  
4 ° PER 77 - 2

ZERONIAN S.Haig, NEEDLES Howard L., *Cellulose, Paper and Textile Division of the American Chemical Society, Historic textile and paper materials II : Conservation and characterization*, Washington, DC, American Chemical Society, 1989, ACS symposium series : 410, IX-260 p.  
8° 145 III 26 - 5 ; 8° 145 III 26 – 6

ZERONIAN S.Haig, NEEDLES Howard L., *Historic textile and paper materials : Conservation and characterization : developed from a symposium [...] at the 188th meeting of the American chemical society, Philadelphia, Penn., August 27-29, 1984*, Washington, American Chemical Society, 1986, (Advances in Chemistry series : v. 212), 462 p  
8° T III 26 – 2

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