

## **CAPÍTULO 9. BIBLIOGRAFÍA**

## 9.1. BIBLIOGRAFÍA UTILIZADA EN LA ELABORACIÓN DE LA MEMORIA

1. Müller, I. (1997). Sun and Men: an Ambivalent Relationship in the History of Medicine. En: Altmeyer, P.; Hoffmann, K.; Stucher, M. (ed.). *Skin Cancer and UV Radiation*. Heidelberg: Springer-Verlag Berlin
2. Raab, W. (1997). History of Therapeutic UV Radiation. En: Altmeyer, P.; Hoffmann, K.; Stucher, M. (ed.). *Skin Cancer and UV Radiation*. Heidelberg: Springer-Verlag Berlin
3. Werner, M.D. *Sun Protection: Dermatological and Cosmetical Aspects* [En línea]. Página web, URL <[http://www.dermatest.de/PB/Publikationen/PBEN/Sun\\_Protection/body\\_sun\\_protection.html](http://www.dermatest.de/PB/Publikationen/PBEN/Sun_Protection/body_sun_protection.html)>
4. United States Environmental Protection Agency. (1999). *The sun, UV and you. A guide for sunwise behaviour* [En línea]. Página web, URL < <http://www.epa.gov/sunwise> >
5. World Health Organisation; United Nations Environment Programme; Geneva. (1995). *Protection Against Exposure to Ultraviolet Radiation* [En línea]. Página web, URL < <http://www.who.int/peh-uv/publications/english/whoehg95-17.htm> >. Intersun - The global UV Project
6. Lo blanco es bonito. (1998, 16 junio). *ABC*, pp. 54-55
7. National Cancer Institute. (2002). *Melanoma* [En línea]. Página web, URL, < <http://www.cancer.gov/espanol/pdq/tratamiento/melanoma> >
8. Tenkate, T.D. (1998). Ultraviolet Radiation: Human Exposure and Health Risks. *Environmental Health*, 61(2): 9-15
9. Ferrini, R.L.; Perlman, M.; Hill, L. (1998). Skin Protection from Ultraviolet Light Exposure American College of Preventive Medicine Practice Policy Statement. *American Journal of Preventive Medicine*, 14(1): 83-86
10. Pailthorpe, M. (1996). Sun Protective Clothing. *Textile Horizons*, 16( 5): 11-14
11. Riva, A. (1999). ¿Qué es el UPF de un tejido?. *Revista de Química Textil*, 144: 72-78
12. Kaspar, K.; Altmeyer, P.; Hoffmann, K. (1999). Bestimmung des UV-Schutzes von leichten Sommergeweben in vitro und in vivo, *Melliand Textilberichte*, 6: 536-539
13. Hilfiker, R.; Kaufmann, W.; Reinert, G.; Schmidt, E. (1996). Improving Sun Protection Factors of Fabrics by Applying UV-Absorbers. *Textile Research Journal*, 66(2): 61-70



14. Labsphere. (1999). *SPF Analysis of Textiles*, USA: Labsphere. Technical Note, 9 p.
15. Haerri, H.P.; Haenzi, D.; Donzé, J.J. (2000). The application of ultraviolet absorbers for sun protective fabrics. Conferencia presentada en el 39<sup>th</sup> International Man-Made Fibres Congress, Dornbirn (Austria) 13-15 septiembre
16. Curiskis, J.; Pailthorpe, M. (1996). Apparel textiles and sun protection. *Textiles Magazine*, 4: 13-17
17. Crews, P.; Kachman, S.; Beyer, A. (1999). Influences on UVR transmission of undyed woven fabrics. *Textile Chemist and Colorist*, 31(6): 17-26
18. Reinert, G.; Fuso, F.; Hilfiker, R.; Schmidt E. (1997). UV-protecting properties of textile fabrics and their improvement. *Textile Chemist and Colorist*, 29(12): 36-43
19. Wedler, M.; Kastner, J. (1997). Titanium dioxide pigments and new functional additives for synthetic fibres. *International Fiber Journal* , 12(5): 38-40
20. Gies, P.; Roy, C.; Toomey, S.; McLennan, A. (1998). Protection against solar ultraviolet radiation. *Mutation Research*, 422: 15-22
21. Böhringer, B. (1998). UV Protection by textiles. Conferencia presentada en el 37<sup>th</sup> International Man-Made Fibres Congress, Dornbirn (Austria) 16-18 septiembre
22. Pailthorpe, M.T. (1994). Textiles and sun protection: the current situation. *Australian Textiles*, 14(6): 54-66
23. Srinivasan, M.; Gatewood, B. (2000). Relationship of dye characteristics to UV protection provided by cotton fabrics. *Textile Chemist and Colorist & American Dyestuff Reporter*, 32(4): 36-43
24. Zhou, Y.; Crews, P.C. (1998). Effect of OBAs and Repeated Launderings on UVR Transmission through Fabrics. *Textile Chemist and Colorist*, 30(11): 19-24
25. Palacin, F. (1996). Textile finishing protects against UV rays. *Textilveredlung*, 31: 11-12
26. Carlier, F. (2001). Absorbeurs d'UV sur textiles. *L'Industrie Textile*, 1330: 50-54
27. AS/NZS 4399:1996. *Sun protective clothing – Evaluation and classification*
28. AATCC Test Method 183-2000. *Transmittance of Blocking of Erythemally Weighted Ultraviolet Radiation Through Fabrics*
29. McKinlay, A.F.; Diffey, B.L. (1987). A reference action spectrum for ultraviolet induced erythema in human skin. *CIE Journal*, 6: 17



30. BS 7914:1998. *Method of test for penetration of erythemally weighted solar ultraviolet radiation through clothing fabrics*
31. pr EN 13758. *Textiles – Solar UV protective properties – Method of test for apparel fabrics*
32. CEN – European Committee for Standardization. *Protective clothing against ultraviolet light* [En línea]. Página web, URL < <http://www.cenorm.be/CENORM/news/pressreleases/uv+clothing.asp> >
33. ISO – International Organisation for Standardization [En línea]. Página web, URL < <http://www.iso.org/iso/en/stdsdevelopment/techprog/workprog/TechnicalProgrammeProjectDetailPage.TechnicalProgrammeProjectDetail?csnumber=36361> >
34. ASTM D6544-00. *Standard Practice for Preparation of Textiles Prior to UV Transmission Testing*
35. Pailthorpe, M. (1998). Apparel textiles and sun protection: a marketing opportunity or a quality control nightmare?. *Mutation Research*, 422: 175-183
36. *UV-Standard 801* (2001). Bönningheim: Secretariat of the International Testing Association for Applied UV-Protection.
37. Instituto Nacional de Meteorología. *Índice Ultravioleta* [En línea]. Página web, URL < <http://www.inm.es/wwz/fijo/UVI.html> >
38. U.S. Environmental Protection Agency (1997). *What is the UV Index?* [En línea]. Página web, URL < <http://www.epa.gov/ozone/uvindex/uvwhat.html> >
39. Met Office. *Solar UV Index* [En línea]. Página web, URL < <http://www.metoffice.gov.uk/weather/gsuvi.html> >
40. Galcerán, V. (1960). *Tecnología del tejido. Tomo primero: Teoría de tejidos*, Terrassa: ETSIIT
41. Galcerán, V. (1961). *Tecnología del tejido. Tomo segundo: Análisis de tejidos y técnica de su fabricación*. 2ª ed. Terrassa: ETSIIT
42. Gacén, J. (1991). *Fibras textiles: propiedades y descripción*. Terrassa: Universidad Politécnica de Cataluña
43. Hilaturas Llaudet, S.A. (1998). *La protección anti-UV*. Barcelona. Boletín informativo, 7 p.
44. Kossina, A.J. (2001). Spezialfasern der Lenzing AG, *TITV-Nachrichten*, 9(1):2-3



45. Pepió, M.; Polo C. (1996). *Disseny i optimització de processos*. Terrassa: Laboratori d'Estadística ETSEIT-UPC
46. Liang, C.Y. (1972). Infrared spectroscopy and physical properties of cellulose. En: O'Connor, R.T. (ed.). *Instrumental Analysis of Cotton Cellulose and Modified Cotton Cellulose*, New York: Marcel Dekker Inc.
47. Stankovic, U.; Pavko, A.; Richards A.F. (2002). Study of the green cotton fibres, *Acta Chim. Slov.*, 49: 815-833
48. Nelson, M.L.; O'Connor, R.T. (1964). Relation of certain infrared bands to cellulose crystallinity and crystal lattice type. Part II. A new infrared ratio for estimation of crystallinity in celluloses I and II, *Journal of applied Polymer Science*, 8(3): 1325-1341
49. Moon, R.; Pailthorpe, M. (1995). Effect of stretch and wetting on the UPF of elastane fabrics, *Australasian Textiles*, 15(5): 39-42
50. Jevtic, A.P. (1990). The sun protective effect of clothing, including beachwear, *Australasian Journal of Dermatology*, 31(1): 5-7
51. Cegarra, J.; Puente, P.; Valdeperas, J. (1981). *Fundamentos científicos y aplicados de la tintura de materias textiles*. Terrassa: Cátedra de Tintoreria ETSIIT
52. Bamfield, P. (2001). *Chromic phenomena: technological application of colour chemistry*, Cambridge: Royal Society of Chemistry
53. Riva, A. (2002). *Apuntes de Luz y Color*. Terrassa: ETSEIT
54. *Colour Index International*. (1999). 3rd Edition. The Society of Dyers and Colourist, American Association of Textile Chemists and Colourists
55. *Solar. Dyeing cellulosic fibres*. Muttentz: Clariant International LTD
56. B.S. 2661. *Standard Depths Matt*
57. Cegarra, J. (1997). *Fundamentos y tecnología del blanqueo de materias textiles*, Terrassa: Universitat Politècnica de Catalunya
58. *Fluorescent Whitening Agents for Textiles: Ciba UVITEX BHT liq. 115%*. (2000). Basel: Ciba Specialty Chemicals Inc, 10 p.
59. *Fluorescent Whitening Agents for Textiles: Ciba UVITEX NFW liq. (2000)*. Basel: Ciba Specialty Chemicals Inc, 11 p.
60. Zweifel, H. (1998). *Stabilization of Polymeric Materials*, Heidelberg: Springer Verlag, 1998



61. Aguamarket (2002). *Composición de las aguas residuales* [En línea]. Página web, URL <, [http://www.aguamarket.com/temas\\_interes](http://www.aguamarket.com/temas_interes) >
62. Godé, L. (2004). Legislació sobre aigües residuals. Jornada incluida en el mòdul Aigües residuals i urbanes, Programa de Posgrado Pràctic en Tecnologia y Gestión Ambiental. Terrassa (España) 26 de mayo
63. *UPF Finishing for Textiles: Technical Data Sheet Ciba TINOFast CEL*. (2000). Basel: Ciba Specialty Chemicals Inc, 10 p.
64. UNE-EN-ISO 105-C06: 1997. *Solidez del color al lavado doméstico y comercial*
65. UNE-EN-ISO 105-B02: 2001. *Solidez del color a la luz artificial: Lámpara de arco de xenón*
66. Real Decreto 849/1986, de 11 de abril, por el que se aprueba el Reglamento del Dominio Público Hidráulico, que desarrolla los títulos Preliminar, I, IV, V, VI y VII de la Ley 29/1985, de 2 de agosto, de Aguas. (BOE nº 103, de 30 de abril de 1986).
67. Riva, M.C. (1989). *Toxicidad, acumulación y efectos fisiológicos del colorante premetalizado C.I. Acid Violet 66 y su base azoica C.I. Acid Red 217 en la trucha arcoiris Salmo Gairdneri R.* Tesis doctoral. Departamento de Biología Celular y Fisiología, Facultad de Ciencias, Universidad Autónoma de Barcelona.
68. NIOSH (1976). *Registry of Toxic Effects of Chemical Substances*. 1976 ed. Cincinnati, OH: U.S. Department of Health, Education and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, DHEW (NIOSH). Publication No. 76-191
69. ASTM D3776. *Mass per unit area (weight) of woven fabrics*
70. UNE 40-224:1973. *Medida del grueso o espesor de telas y similares*
71. Vickerstaff ,T. (1954). *The physical chemistry of dyeing*. 2<sup>nd</sup> ed., Edinburgh: Oliver and Boyd
72. UNE-EN ISO 105-J02:2001. *Determinación instrumental del grado de blanco relativo*
73. Sánchez, M. (sin datos). *Introducció a l'espectroscopia infrarroja*. Terrassa. Apuntes docentes
74. OECD Guideline for testing chemicals, OECD 202 1981. *Daphnia sp., Acute Immobilisation Test and Reproduction Test*



75. Real Decreto 363/1995, de 10 de marzo, por el que se aprueba el reglamento sobre notificación de sustancias nuevas y clasificación, envasado y etiquetado de sustancias peligrosas, Parte C.2. Toxicidad agua en Daphnia (BOE núm. 133 de 5 de Junio de 1995)
76. UNE 77004:2002 / ISO 6060:1989, modificada. *Calidad del agua – Determinación de la demanda química de oxígeno (DQO). Método del dicromato*
77. UNE-EN 1899-1:1998 / ISO 5815:1989. *Calidad del agua. Determinación de la demanda bioquímica de oxígeno después de n días (DBO<sub>n</sub>). Parte 1: Método de dilución y siembra con adición de alil tiourea*
78. ISO 9562:1989 (E). *Calidad del agua. Determinación de halógenos de compuestos orgánicos adsorbibles (AOX)*
79. Standard Methods 5310 B 1985. *Carbono Orgánico Total (COT) – Método de combustión-infrarrojo*
80. Standard Methods 2540 D. *Sólidos Totales en Suspensión secados a 103-105°C*
81. Standard Methods 4500-Cl<sup>-</sup> B 1985. *Cloruro – Método argentométrico*
82. Standard Methods 4500-P C. *Fosfatos – Método colorimétrico del ácido vanadomolibdofosfórico*
83. Standard Methods 4500-SO<sub>4</sub><sup>-2</sup> E. *Sulfatos – Método turbidimétrico*
84. Standard Methods 4500-H<sup>+</sup> B 1985. *Valor de pH – Método electrométrico*
85. Standard Methods método 2510 B 1988. *Conductividad – Método de laboratorio*
86. OECD Guideline for testing of chemicals, OECD 302B 1981. *Inherent Biodegradability: Modified Zahn-Wellens Test*



## 9.2. OTRAS REFERENCIAS BIBLIOGRÁFICAS CONSULTADAS

### 9.2.1. Efecto de la radiación ultravioleta sobre la salud

- Diffey, B. (2000). *Why we need broad-spectrum sun protection* [En línea]. Página web, URL <[www.sunsmart.com.au/campaign/sunsmart7a.htm](http://www.sunsmart.com.au/campaign/sunsmart7a.htm)>. SunSmart Campaign
- Doll, R. (chairman). (1995). Effects of Ultraviolet Radiation on Human Health, *Documents of the National Radiological Protection Board*, 6(2). Accesible en línea, URL <[http://www.nrpb.org/publications/documents\\_of\\_nrpb/abstracts/absd6-2.htm](http://www.nrpb.org/publications/documents_of_nrpb/abstracts/absd6-2.htm)>
- Holman, C.D.; Armstrong, B.K.; Heenan, P.J. (1986). Relationship of cutaneous malignant melanoma to individual sunlight-exposure habits. *Journal of the National Cancer Institute*, 76(3): 403-414
- Korn, K. (1995). Suntan and Ultraviolet Light Exposure-Related Issues. *Physician Assistant*, May/95: 80-94
- MacKie, R.M. (2000). Effects of ultraviolet radiation on human health. *Radiation Protection Dosimetry*, 91(1-3): 15-18
- MayoClinic. (1998). *Skin care* [En línea]. Página web, URL < [www.mayohealth.org/mayo/9808/htm/skin.htm](http://www.mayohealth.org/mayo/9808/htm/skin.htm)>
- National Cancer Institute. (2003). *Cáncer de la piel (no melanoma)* [En línea]. Página web, URL < <http://www.cancer.gov/espanol/pdq/tratamiento/piel>>
- Roy, C.R.; Gies, H.P.; Elliott, G. (1988). Solar ultraviolet radiation: personal exposure and protection. *Journal of Occupational Health Safety*, 4(2): 133-139
- Tedesco, A.C.; Martínez, L.; González, S. (1997). Photochemistry and photobiology of actinic erythema: defensive and reparative cutaneous mechanisms. *Brazilian Journal of Medical and Biological Research*, 30(5): 561-575
- World Health Organisation; United Nations Environment Programme; Geneva. (1995). *Health and Environmental Effects of Ultraviolet Radiation* [En línea]. Página web, URL < <http://www.who.int/peh-uv/publications/english/whoehg95-16.htm>>. Intersun – The global UV Project
- World Health Organisation; United Nations Environment Programme; Geneva. (1995). *Protection Against Exposure to Ultraviolet Radiation* [En línea]. Página web, URL < <http://www.who.int/peh-uv/publications/english/whoehg95-17.htm>>. Intersun – The global UV Project





## 9.2.2. Factor de Protección Solar de los artículos textiles

- Agnew, J.; Grainger, K.; Clark, I.; Driscoll, C. (1998). Protection from UVR by clothing. *Radiological Protection Bulletin*, 200. Accesible en línea, URL < [http://www.nrp.org/radiation\\_topics/ultraviolet/protection\\_by\\_clothing.htm](http://www.nrp.org/radiation_topics/ultraviolet/protection_by_clothing.htm) >
- Anónimo (1995). Rayosan used in textiles to protect against ultraviolet radiation. *Knitting Technology*, 17(1): 48-53
- Anónimo (1998). Enka Sun: moda para evitar el cáncer de piel. *Textil Expres-suplemento*, 77: 50
- Anónimo (2000). Wear sunscreen.... *International Dyer*, 185(3): 31-32
- Bäckmann, R. (2000). Sonnenschutz-und Solartextilien. *Textilveredlung*, 1/2: 13-18
- Capjack, L.; Kerr, N.; Davis, S.; Fedosejevs, R.; Hatch, K.; Markee, N. (1994). Protection of humans from ultraviolet radiation through the use of textiles: a review. *Family and Consumer Sciences Journal*, 23(2): 198-218
- Clark, I.E.S.; Grainger D.J.L.; Agnew J.L.; Driscoll C.M.H. (2000). Clothing protection measurements. *Radiation Protection Dosimetry*, 91(1-3): 279-281
- Driscoll, C. (2000). Clothing protection factors. *Radiological Protection Bulletin*, 222. Accesible en línea, URL < [http://www.nrp.org/publications/bulletin/archive/bulletin\\_222/rpb222-2.htm](http://www.nrp.org/publications/bulletin/archive/bulletin_222/rpb222-2.htm) >
- Eckhardt, C.; Rohwer, H. (2000). UV Protector for Cotton Fabrics. *Textile Chemist and Colorist & American Dyestuff Reporter*, 32(4): 21-23
- Fössel, M.; Gassan, U.; Köksel, B.; Schuierer, M.; Terrier, B. (1997). Practical experience with Solartex products in finishing of sun protection fabrics. *Melliand Textilberichte*, 78(7-8): 515-518 + E111-E112
- Fössel, M.; Mariani, P.. (1998). Il finissaggio a salvaguardia della salute. *Tintoria*, 8: 38-42
- Gies, H.P.; Roy, C.R.; Elliot, G.; Zongli, W. (1994). Ultraviolet radiation protection factors for clothing. *Health Physics*, 67(2): 131-139
- Gies, H.P.; Roy, C.R.; McLennan A.; Toomey S. (1998). Clothing and protection against solar UVR: current status. *Journal of the Home Economics Institute of Australia*, 5(2) – Sun Smart Supplement: S8-S11
- Greenoak, G.E.; Pailthorpe, M.T. (1996). Skin protection by clothing from the damaging effects of sunlight. *Australasian Textiles*, 16(1): 61



- Gutmann, R. (2000). UV-Schutz durch eigesponnene Pigmente. Conferencia presentada en el 39th International Man-Made Fibres Congress, Dornbirn (Austria) 13-15 septiembre
- Haerri, H.P.; Haenzi, D.; Donzé, J.J. (2001). *Application of ultraviolet absorbers for sun protective fabrics. Melliand Textilberichte*, 1-2: 59-62
- Hoffmann, K., Hanke, D., Hoffmann, A., Altmeyer, P. (1997). Clothing as a Protection Against the Sun. En: Altmeyer, P.; Hoffmann, K.; Stucher, M. (ed.). *Skin Cancer and UV Radiation*. Heidelberg: Springer-Verlag Berlin
- Jöllenbeck, M. (1997). New UV Absorbers for Sun Protective Fabrics. En: Altmeyer, P.; Hoffmann, K.; Stucher, M. (ed.). *Skin Cancer and UV Radiation*. Heidelberg: Springer-Verlag Berlin
- Menter, J.M.; Hollins, T.D.; Sayre, R.M.; Etemadi, A.A.; Willis, I.; Hughes, S.N.G. (1994). Protection against UV photocarcinogenesis by fabric materials. *Journal of the American Academy of Dermatology*, 31(5, Part 1): 711-716
- Osterwalder, U.; Schlenker, W.; Rohwer, H.; Martin, E.; Schuc, S. (2000). Facts and Fiction on Ultraviolet Protection by Clothing. *Radiation Protection Dosimetry*, 91(1-3): 255-259
- Palacin, F. (1997). Textileausrüstung schützt vor UV-Strahlung. *Melliand Textilberichte*, 7-8: 519-525
- Parisi, A.V.; Kimlin, M.G.; Meldrum, L.R.; Relf, C.M. (1999). Field measurements on protection by stockings from solar erythemal ultraviolet radiation. *Radiation Protection Dosimetry*, 86(1): 69-72
- Robson, J.; Diffey, B. (1990). Textiles and Sun Protection. *Journal of Photodermatology, Photoimmunology and Photomedicine*, 7: 32-34
- Rupp, J.; Böhringer, A.; Yonenaga A.; Hilden, J. (2001). Textiles for protection against harmful ultraviolet radiation. *International Textile Bulletin*, 6: 8-20
- Sayre, R.M.; Hugues, S.N.G. (1993). Sun Protective Apparel: Advancements in Sun Protection. *Skin Cancer Journal*, 8
- Shenai, V.A. (1999). Fabric whitening. *Colourage*, 46(supplement): 63-81
- Sliney, D.H.; Benton, R.E.; Cole, H.M.; Epstein, S.G.; Morin, C.J. (1987). Transmission of potentially hazardous actinic ultraviolet radiation through fabrics. *Applied Industrial Hygiene*, 2(1): 36-44



- Stanford, D.G.; Georgouras, K.E.; Pailthorpe, M.T. (1995). Sun protection afforded by a summer weight garment: the effect of wash and wear. *Medical Journal of Australia*, 162(8): 422-425
- Teichman, R.; Vogel, C.; Busch, G.; Dörber, W. (1999). Sun protection finishes. *Melliand English*, 9: E203-E204
- Wedler, M.; Hirthe, B. (1999). UV-absorbing microadditives for synthetic fibers. *Chemical Fibers Internaitonal*, 49(6): 528
- Welsh, C.; Diffey, B. (1981). The protection against solar actinic radiation afforded by common clothing fabrics. *Clinical and Experimental Dermatology*, 6: 577-582
- Wong, J.C.; Cowling, I.; Parisi, A.V. (1997). *Reducing human exposure to solar ultraviolet radiation* [En línea]. Página web de la First Internet Conference Photochemistry and Photobiology, URL < [www.photobiology.com/v1/wong](http://www.photobiology.com/v1/wong) >

### 9.2.3. Técnicas y normativa para la medida del UPF de tejidos

- *AATCC Research Committee Activity* [En línea], Página Web, URL< [www.aatcc.org/committees](http://www.aatcc.org/committees) >. AATCC febrero, mayo, noviembre de 1998, febrero, mayo de 1999, mayo, noviembre de 2000
- Apel H. (1997). UV/Vis-spektralphotometrische Messung des UV-Schutzes. *Melliand Textilberichte*, 83(7-8): 518-522
- Clifton, R. (2000). Testing and Labelling of Sun Protective Clothing for Children. *Radiation Protection Dosimetry*, 91(1-3): 251-254
- Gambichler, T.; Altmeyer, P.; Hoffmann, K.; Kesners, P.; Apel, H.; Schmidt, R.; Steilmann, K. (2000). Automated in vitro determination of the UV protection factor of textiles. *Melliand Textilberichte*, 83(7-8): 644-645
- Gies, H.P.; Roy, C.R.; Holmes, G. (2000). Ultraviolet Radiation Protection by clothing: comparison of in vivo and in vitro measurements. *Radiation Protection Dosimetry*, 91(1-3): 247-250
- Gies, H.P.; Roy, D.R.; McLennan, A.; Diffey, B.L.; Pailthorpe, M.; Driscoll, C.; Whillock, M.; McKinlay, A.F.; Grainger, K.; Clark, I.; Sayre, R.M. (1997). UV protection by clothing: an intercomparison of measurements and methods. *Health Physics*, 73(3): 456-464



- Hatch, K. (2001). Fry not! UV-Protective Textiles Standards. *ASTM Standardization News*, January 2001. [En línea], Página Web, URL < [www.astm.org/cgi-bin/SoftCart.exe/SNEWS/JANUARY\\_2001/insight\\_jan01.html?L+mystore+eelc2982+1065546723](http://www.astm.org/cgi-bin/SoftCart.exe/SNEWS/JANUARY_2001/insight_jan01.html?L+mystore+eelc2982+1065546723) >.
- Hatch, K.; Sayre, R. (1997). Developing a United States Sun-Protective Clothing Standard. En: Altmeyer, P.; Hoffmann, K.; Stucher, M. (ed.). *Skin Cancer and UV Radiation*. Heidelberg: Springer-Verlag Berlin.
- Knittel, D.; Schollmeyer, E; Holtschmidt, H.; Quintern, L. (1999). UV-Transmissionsmessungen an Textilien. *Melliand Textilberichte*, 80(4): 281-288 + E73-E75
- Lowe, N.J., Bourget, T.; Hugues, S.; Sayre, R.M. (1995). UV protection offered by clothing: an *in vitro* and *in vivo* assessment of summer clothing fabrics. *Skin Cancer Journal*, 10(2):
- *Market, environment and objectives of CEN/TC 249 – textiles and textile products* [En línea], Página Web, URL < [www.cenorm.be](http://www.cenorm.be) >. European Committee for Standardization
- Menzies, S.W.; Lukiens, P.B.; Greenoak, G.E.; Walter, P.J.; Pailthorpe, M.T.; Martin, J.M.; Davird, S.K., Georgouras, K.E. (1991). A comparative study of fabric protection against UV-Induced Erythema determined by spectrophotometric and human skin measurements. *Journal of Photodermatology, Photoimmunology and Photomedicine*, 8(4): 157-163
- Moss, A.R.L. (2000). Error correction and calibration of a sun protection measurement system for textile fabrics. *Radiation Protection Dosimetry*, 91(1-3): 261-264
- Rieker, J.; Guschlbauer, T. (1999). UV Standard 801 – Neues Prüf- und Zertifizierungssystem für Bekleidung mit UV-Schutz. *Textilveredlung*, 11/12: 4-11
- Rieker, J.; Guschlbauer, T.; Rasmich, S. (2001). Wissenschaftliche und praktische Bewertung des UV-Schutzes. *Melliand Textilberichte*, 82(7-8): 617-619
- Zhang, Z.; Thomas, B.W.; Wong, C.F.; Fleming, R.A. (1996). Fast measurement of transmission of erythema effective irradiance through clothing fabric. *Health Physics*, 72(2): 256-260
- Zippel, E. (1998). Zertifizierung des UV-Schutzes unter Praxisbedingungen. Conferencia presentada en el 37<sup>th</sup> International Man-Made Fibres Congress, Dornbirn (Austria)



#### 9.2.4. Bibliografía general

- Anliker, R.; Müller, G. (1975). *Fluorescent Whitening Agents*. Stuttgart: Georg Thieme Publishers
- Berns, R.S. (2000). *Billmeyer and Saltzman's Principles of Color Technology*. 3ª ed. New York: John Wiley & Sons
- Booth, J.E. (1986). *Principles of Textile Testing*. London: Newnes-Butterworths
- Cooper, S.G. (1978). *The textile industry: environmental control and energy conservation*. New Jersey: Noyes Data Corporation
- Detrell, J. (1991). *Introducción a la estructura y fabricación de tejidos de punto*. Terrassa: Cátedra de Tejidos de Punto, telas especiales y confección industrial. Monografías de diseño, fabricación y análisis de tejidos de punto
- Gacén, J. (1981). *Celulosa, Estructura y propiedades químico-textiles*. Terrassa: Cátedra de polímeros Textiles. Monografías de Polímeros Textiles
- Lozano, R.D. (1978). *El Color y su medición*. Buenos Aires: Ed. Américalee
- Rollins, M.L.; Cannizzaro, A.M.; Goyner, W.R. (1972). Electron Microscopy. En: O'Connor R.T. (ed.). *Instrumental Analysis of Cotton Cellulose and Modified Cotton Cellulose*. New York: Marcel Dekker Inc.
- Silverstein, R.M.; Bassler, G.C.; Morrill, T.C. (1974). *Spectrometric identification of organic compounds*. 3ª ed. New York: John Wiley & Sons
- Victori, J. (1990). *Tissatge. Aspectes descriptius i d'anàlisi en el procés de teixir*. Terrassa: Ediciones UPC
- Vigo, T. (1994). *Textile processing and properties: preparation, dyeing, finishing and performance*. Amsterdam: Elsevier Science
- Wakelyn, P.J. et al. (1998). Cotton Fibers. En: Lewin M. and Pearce E.L. (ed.). *Handbook of Fiber Chemistry*. 2<sup>nd</sup> Edition, rev. and expanded. New York: Marcel Dekker Inc.

