

## References

1. Tester DH. Fine structure of cashmere and superfine merino wool fibers. *Text. Res. J.* 1987; 57: 213-219.
2. Tester DH and Foley CA. Set in bending of Australian cashmere and superfine merino. *Text. Res. J.* 1986; 56: 546-550.
3. Guimond S, Hanselmann B, Amberg M and Hegemann D. Plasma functionalization of textiles: specifics and possibilities. *Pure Appl. Chem.* 2010; 82: 1239-1245.
4. Vohrer U, Müller M. and Oehr C. Glow-discharge treatment for the modification of textiles. *Surf. Coat. Technol.* 1998; 98: 1128-1131.
5. Struszczyk MH, Puszkarz AK, Miklas M, Wilbik-Halgas B, Cichecka M, Urbaniak-Domagala W and Krucinska I. Effect of accelerated ageing on ballistic textiles modified by plasma-assisted chemical vapour deposition (PACVD). *Fibers Text. East. Eur.* 2016; 24: 83-88.
6. Atav R, Yurdakui A. Low temperature dyeing of plasma treated luxury fibres. Part I : results for mohair (angora goat). *Fibers Text. East. Eur.* 2011; 19: 84-89.
7. Zanini S, Grimoldi E, Citterio A and Riccardi C. Characterization of atmospheric pressure plasma treated pure cashmere and wool/cashmere textiles: treatment in air/water vapor mixture. *Appl. Surf. Sci.* 2015; 349: 235-240.
8. Hegemann D, Hossain MM and Balazs DJ. Nanostructured plasma coatings to obtain multifunctional textile surfaces. *Prog. Org. Coat.* 2007; 58: 237-240.
9. Dai XJ, Church JS and Huson MG. Pulsed plasma polymerization of hexamethyldisiloxane onto wool: control of moisture vapor transmission rate and surface adhesion. *Plasma Processes Polym.* 2009; 6: 139-147.
10. Barni R, Riccardi C, Sell E, Massafra MR, Marcandalli B, Orsini F, Poletti G

and Meda L. Wettability and dyeability modulation of poly (ethylene terephthalate) fibers through cold SF<sub>6</sub> plasma treatment. *Plasma Processes Polym.* 2005; 2: 64-72.

11. Li S and Dai JJ. Improvement of hydrophobic properties of silk and cotton by hexafluoropropene plasma treatment. *Appl. Surf. Sci.* 2007; 253: 5051-5055.
12. Molina R, Espinós JP, Yubero F, Erra P and González-Elipe AR. XPS analysis of down stream plasma treated wool: influence of the nature of the gas on the surface modification of wool. *Appl. Surf. Sci.* 2005; 252: 1417-1429.
13. Raffaele-Addamo A, Riccardi C, Sellì E, Bami R, Piselli M, Poletti G, Orsini F, Marcandalli B, Massafra MR and Meda L. Characterization of plasma processing for polymers. *Surf. Coat. Technol.* 2003; 174: 886-890.
14. Štěpánová V, Slavíček P, Stupavská M, Jurmanová J and Čemák M. Surface chemical changes of atmospheric pressure plasma treated rabbit fibres important for felting process. *Appl. Surf. Sci.* 2015; 355: 1037-1043.
15. Rombaldoni F, Montarsolo A, Mossotti R, Innocenti R and Mazzuchetti G. Oxygen plasma treatment to reduce the dyeing temperature of wool fabrics. *J. Appl. Polym. Sci.* 2010; 118: 1173-1183.
16. Demir A, Karahan HA, Ozdogan E, Oktem T and Seventekin N. The synergetic effects of alternative methods in wool finishing. *Fibers Text. East. Eur.* 2008; 16: 89-94.
17. Ataeefard M, Moradian S, Mirabedinim M, Ebrahimi M and Asiaban S. Investigating the effect of power/time in the wettability of Ar and O<sub>2</sub> gas plasma-treated low-density polyethylene. *Prog. Org. Coat.* 2009; 64: 482-488.
18. Haji A and Qavamnia SS. Response surface methodology optimized dyeing of wool with cumin seeds extract improved with plasma treatment. *Fiber. Polym.*

2015; 16: 46-53.

19. Kan CW and Yuen CWM. Effect of low temperature plasma treatment on wool fabric properties. *Fiber. Polym.* 2005; 6: 169-173.
20. Shahidi S, Ghoranneviss M and Sharifi SD. Effect of atmospheric pressure plasma treatment followed by chitosan grafting on antifelting and dyeability of wool fabric. *J. Fusion Energ.* 2014; 33: 177-183.
21. Borghei SM, Shahidi S, Ghoranneviss M and Abdolah Z. Investigations into the anti-felting properties of sputtered wool using plasma treatment. *Plasma Sci. Technol.* 2013; 15: 37.
22. Canal C, Molina R, Bertran E, Navarro A and Erra P. Effect of low temperature plasma on wool and wool/nylon blend dyed fabrics. *Fiber. Polym.* 2008; 9: 293-300.
23. Zhang H, Deb-Choudhury S, Plowman J and Dyer J. The effect of wool surface and interior modification on subsequent photostability. *J. Appl. Polym. Sci.* 2013; 127: 3435-3440.
24. Kan CW, Yuen CWM and Hung ON. Improving the pilling property of knitted wool fabric with atmospheric pressure plasma treatment. *Surf. Coat. Technol.* 2013; 228: S588-S592.
25. Wan AL and Yu WD. Effect of wool fiber modified by ecologically acceptable ozone-assisted treatment on the pilling of knit fabrics. *Text. Res. J.* 2012; 82: 27-36.
26. Ke GZ, Yu WD, Xu WL, Cui WG and Shen XL. Effect of corona discharge treatment on the surface properties of wool fabrics. *J. Mater. Process. Technol.* 2008; 207: 125-129.
27. Molina R, Jovančić P, Jocić D, Bertran E and Erra P. Surface characterization of

- keratin fibers treated by water vapour plasma. *Surf. Interface Anal.* 2003; 35: 128-135.
28. Hesse A, Thomas H and Höcker H. Zero-AOX shrinking treatment for wool top and fabric: part 1: glow discharge treatment. *Text. Res. J.* 1995; 65: 355-361.
  29. Kan CW, Chan K and Yuen CWM. Surface characterization of low temperature plasma treated wool fiber-the effect of the nature of gas. *Fiber. Polym.* 2004; 5: 52-58.
  30. Wang Y. Study on the surface modification of low-temperature plasma on variational cashmere fiber. MS Thesis, Xi'an Polytechnic University, China, 2012.