STUDIES ON TEXTILES DOPED WITH CONDUCTING POLYMERS

List of research publications

Peer-reviewed journal papers

1. A novel method of in-situ chemical polymerization of polyaniline for synthesis of electrically conductive cotton fabrics, *Textile Research Journal*, Volume 82, Issue 15, Pages 1517-1530.

2. Conductivity and Atmospheric aging studies of Polypyrrole coated cotton fabrics, *Journal of Applied Polymer Science*, Volume 125, Issue 2, pages 844–851, 15 July 2012

3. A novel approach for in-situ polymerization of Polypyrrole on cotton substrates, Indian *Journal of Fibre & Textile Research,* , Volume 37, June 2012, Pages 107-113

4. Development of conductive cotton fabric by in situ chemical polymerization of Pyrrole using ammonium peroxidisulphate as oxidant, Indian *Journal of Fibre & Textile Research,* Volume 39, June 2014, Pages 135-138

5. Polypyrrole coated Nonwoven substrate for electromagnetic shielding, AATCC Journal of Research, accepted for publication

Non-refereed journal papers

1. Manufacturing of electrically conductive polyester fabric by in-situ chemical polymerization technique, Colourage, Vol LIX, No. 4, April 2012, P 42-45

2. Electrically conductive polyester/cotton fabrics to develop technical textiles for innovative applications, Melliand International, Vol 18, March 2012, P16-18

3. Intrinsically conductive polymer coated textiles for futuristic applications, Asian Technical Textiles, Vol. 5,No.2,2011, P 44-47

4. Polyaniline polymerization on pet fabrics: study on effect of synthesis conditions on electrical conductivity, BTRA Scan, 12,2010