

List of articles on medical textiles available at SITRA Library

Hygiene and health care

1. 'Textile materials for medical and health care applications' (1997)
J. Text. Inst., Part-3, pp 83-93.
2. Dasaradan B. S. & Chandrasekara Bharathy S., (1993)
'Hospital and dialysate textiles',
Asian Textile Journal, December, pp 40-47.
3. Geoffrey Newton, (1994)
'Operating theatre',
Textile Horizons, March, pp 40-41.
4. 'Development in health care textiles'(2000)
Man Made Textiles in India, January, pp 21-25.
5. Rakshit A K., Mrs Hira M.A., Bhat S. & Mahale G. (2000)
'Textiles in health care and medical applications',
Man Made Textiles in India, April, pp 185-189.
6. Anita Desai (2003)
'Special textiles used for manufacturing health care and hygiene products'
The Textile Magazine, May, pp 73-76.
7. Rajendran S. & Anand S .C. (2006)
'Contribution of textiles to medical and health care products and developing
innovative medical devices'
Indian Journal of Fibre and Textile Research, Vol. 31, pp 215-229.
8. 'Applications of textile materials and products in health care', (2001)
Textile Intelligence, Second quarter, pp 25.
9. Enomae T., Asakawa Arot R. & Onase F. (2006)
'Development of nursing care sheets of cellulosic nonwoven fabrics for aging society',
Textile Research Journal, Vol. 76, pp 41.
10. Wei Hung & Karen K. Leonas (2000)
'Evaluating one bath process for imparting anti-microbial activity and repellency to
nonwoven surgical gown fabrics',
Textile Research Journal, Vol. 70, pp 774-782.
11. Rajpreet K Virk & Gita N Ramaswamy (2004)
'Plasma and anti microbial treatment of nonwoven fabrics for surgical gowns',
Textile Research Journal, Vol. 74, pp 1073-1084.

12. 'Process of imparting antimicrobial activity to nonwoven surgical gown fabrics' (2000)
Textile Research Journal, Vol. 70, pp 774-782.
13. 'Effect of a dual function finish containing in antibiotic and flourochemical on the antimicrobial properties and blood repellency of surgical gown materials', (1997)
Textile Research Journal, Vol. 67(12), pp 875-880.

Applications of Knitted products in Medical textiles

1. 'Spacer fabrics for medical applications', (1998)
Kettenwirkpraxis, 32/4, 51-56+ E 15-19.
2. 'Implantation- Warp knitted', (1999)
Kettenwirkpraxis, 33/2, 58-60+ E23-25.
3. 'Warp knitted biomaterials', (2001)
Melliand International, 7/3, pp 226-227.
4. 'Warp knitted fabrics for surgery', (2002)
Kettenwirkpraxis, 35/4, pp 27.
5. 'Timesh Tc is revolutionizing medical technology', (2003)
Knitting technology, 25/3, pp 22-23.
6. 'Hernia is not so serious', (2003)
Kettenwirkpraxis, 36/3, pp 19.
7. 'Medication from 3-D plasters warp knitted spacer fabric as textile carriers', (2004)
Kettenwirkpraxis, Vol. 13, pp 30-32.
8. Jagadale B B & Barkar S P. (2007)
'Innovation in mesh for hernia repair',
Asian Textile Journal, July, pp 28-36.
9. Kanagaraj & Anbumani, (2007)
'3-D knitted spacer fabrics and their applications',
Melliand International, March, pp 47-52.
10. Kumaravel S., Goobal Krishnan M., Nithayanandan R. & Thilak vadicherala, (2006)
'Development of polyester/glass knitted fabrics for medical applications', Synthetic
fibres, Vol. 35/3, pp 23-28.
11. Dodu A, Popov. A. & Pop D. Popa & et all (1986)
'New types of human implantable knitted medical articles',
Man Made Textiles in India, February, pp 72.

Cardio vascular implant

1. Samir akashi, Nahil chafe & Saser ben abdessalem, (2001)
'Blood flow in polyester textile vascular prosthesis experimental and numeric study',
Textile Research Journal, Vol. 71/2, pp 178.
2. 'New concept of 3-D weaving of bifurcated vascular prostheses', (2006)
Indian Journal of Fibre and Textile Research, December, pp 573-576.
3. 'Numerical simulation of blood flow in a curved textile vascular prosthesis', (2005)
Journal of Textile Institute, pp 117-122.
4. Saber Ben Absdessaalem & Sofiene Mokhtur (2005)
'Mechanical behavior of a textile polyester vascular prostheses: theoretical &
experiment study',
Textile Research Journal, Vol. 75 (1), pp 784-788.

Baby diaper/Napkin

1. 'Novel elastic baby nappy fastner systems', (1996)
International Textile Bulletin, Nonwoven/Industrial Textiles, Vol. 42/4, pp 32-34.
2. 'Cotton for diapers', (2001)
Textile Asia, Vol. 32/6, pp 68.
3. 'Baby diaper overview- marketing potential, raw material manufacturing and
properties', (2007)
MANTRA, November, Vol. 2/3.
4. Hirko Yokura & Masko Niwa (2007)
'Changes in disposable diaper properties caused by wetting',
Textile Research Journal, pp 135.
5. Kyung Hwa Hong Boo Changkim & Tae Jin Kang (2005)
'Effect of abrasion and absorbed water on the handle of nonwoven for disposable
diaper',
Textile Research Journal, Vol. 75, pp 544.
6. 'Wet comfort of small disposable incontinence pads', (1998)
Textile Research Journal, 68 (7), pp 479-488.

Types of Textile structures and materials used in medical textile

1. Frank K Ko (1997)
'Textile structures for surgical implants',
Textile Asia, June.

2. Bernet E., Wulfhorst B. & Aachen (2001)
‘The use of innovative textile structures for medical applications’,
Asian Textile Journal, Vol. 10/11, pp 28-31.
3. Rigby A.R., Anand S.C. & Miraftab (1993)
‘Textile materials in medicine & surgery’,
Textile Horizons, December, pp 42.
4. Mankodi H.R., Chusudama D.J. & Chaudn S.B. (2001)
‘New emerging material for medical applications’,
Man Made Textiles in India, November, pp 437-442.
5. Somasundram D. & Kothari V.K. (2007)
‘Textile materials in implantable medical surgeries’,
Indian Textile Journal, July, pp 73.

Testing of Medical textile product

1. Miller A. & Schwartz P. (2000)
‘Test methodology of liquid penetration of barrier materials’,
Textile Research Journal, January, Vol. 70/1, pp 77-83.
2. Guruprasad R. (2006)
‘Surgical gowns and drapes product view and performance testing’,
Man Made Textiles in India, October, pp 336-340.

Textiles in Tissue engineering

1. Hayavadana J. & Renuka D. (2006)
‘Tissue engineering in textiles’,
Indian Textile Journal, January, Vol. 116/4.
2. Penn L.S., Peter P. Gillis & Renee N.Lay (2001)
‘A geometric approach to fibrous structures for biological soft tissue replacement’,
Textile Research Journal, Vol. 71/2, pp 93-99.
3. ‘Properties of tissue engineering staple fibre nonwoven’, (2002)
International Textile Bulletin Nonwoven/Industrial textiles, Vol. 48/2, pp 45-48.
4. Subramanian V., Poongodi G.R. & Veena sindhuja V. (2008)
‘Textile scaffolds for tissue engineering’,
Asian Textile Journal, April, pp 62.
5. Frank K Ko & Laurencin CT. (2000)
‘3-D textile scaffolds for tissue engineering’,
Textile Asia, May, pp 27-30.

Polymers and fibres used in Medical textiles

1. Amita Malik (2001)
'Polymers and fibres in disposable medical product',
Asian Textile Journal, 10/1, pp 36-40.
2. 'Bio-degradable polyurethane urea fibres support natural healing process', (1998)
Textile Asia, Vol. 29/11, pp 52-54.
3. Rekha V.D. (1998)
'Fibres in biotechnology',
Man Made Textiles in India, Vol. 41/8, pp 337-340.
4. Katzer K. (2002)
'Polyethylene polymers for hygiene market',
Asian Textile Journal, Vol. 11/6, pp 30-34.
5. Vijayaraghavan N.N. & Karthick T. (2004)
'Multi component fiber technology for medical textiles',
Synthetic fibres, Vol. 33/1, pp 5-8.
6. 'Recent trends in silk protein in biomedical research', (2005)
Indian silk, Vol. 43/11, pp 5-7.
7. Nemailal Tarafder & Pinaki Bose (2005)
'A review of application of hollow fibre in extra corporeal devices',
Man Made Textiles in India, Vol. 48/4, pp 141-144.
8. Manisha Mathur & Manisha A. Hira (2005)
'Specialty fibres-III: Alginate fibres',
Man Made Textiles in India, August, pp 294-299.
9. 'Aliginat fibres', (2002)
Indian Journal of Fibre and Textile Research, Vol. 27(12), pp 434.
10. 'Polypropylene in high performance medical applications', (2005)
Asian Textile Journal, July, pp 73.
11. 'Lyocell tech: in the field of medical applications', (2006)
Asian Textile Journal, November, pp 84.
12. 'Health and comfort fibres', (2006)
Man Made Textiles in India, June, pp 217-221.
13. 'Super absorbent polymers', (2007)
Asian Textile Journal, May, pp 72.

14. Divarekar RVA., Kanoongo NV. & Sable AG. (2007)
‘Super absorbent polymers in textile- synthesis and application’,
Asian Textile Journal, June, pp 31.
15. ‘Structured polymer nanofibres’, (2008)
Asian Textile Journal, July, pp 50.
16. Katzer K. (2002)
‘Polyethylene polymers for hygiene market’,
Asian Textile Journal, June, pp 30.
17. Usha Sayed, Pratap MR. & Rane YN. (2002)
‘The use of textile fibres in medical sector’,
Asian Textile Journal, June, pp 67.
18. Macken (2003)
‘Bio-active fibres- Hygienic environment’,
Asian Textile Journal, Vol. 12(5), pp 51-55.
19. Yimin Qin (2004)
‘Novel antimicrobial fibres’,
Textile Magazine, No 2, pp 14.
20. Yimin Qin (1994)
‘Chitin & chitosan fibres as wound dressing materials’,
Textile Horizons, Vol. 14(6), pp 19.
21. Viju S. (2008)
‘Biodegradable polyesters for medical applications’,
Indian Textile Journal, June, pp 75-79.
22. ‘Liquid retaining polymers – innovative stimulus for modern high - tech babies and nappies’,
Non woven/ Industrial Textiles, 1/96, pp 32-38.
23. Stan Davies (1998)
‘Absorbency & super absorbency’,
Textile Horizons, February, pp 18-19.

Sutures

1. ‘The historical development of sutures and some test methods evaluating their properties’, (1998)
Man Made Textiles in India, Vol. 41/6, pp 267-269.
2. ‘Sutures -Evolutionary phases’, (1998)
Asian Textile Journal, pp 81-86.

3. Sathish Bhalero, Lauvekar G S. & Solanki Y.G. (2000)
'Seal PTFE: Minimising suture hole bleeding',
Asian Textile Journal, Vol. 9/7, pp 65-66.
4. Karaca Bayraktar E. & Sengonul A. (2001)
'Investigating the knot performance of silk, polyamide, PET, Polypropylene sutures',
Textile Research Journal, Vol. 71(5), pp 435-440.
5. Hickenberger A S & Karaca Bayraktar E. (2004)
'Structure of knot performance of polyamide suture',
Indian Journal of Fibre and Textile research, 29(3), pp 271-277.
6. Anita A Desai (2005)
'Biomedical implantable materials sutures',
Asian Textile Journal, 14(3), pp 54-56.

Biomedical

1. Martin Dauner & Heinrich plank (1999)
'Complex biomedical materials for surgical implants',
Textile Asia, February, pp 33-37.
2. Krishnabala S. & Thangeswaran P. (2005)
'Biomaterials in medical applications',
Asian Textile Journal, Vol. 14/6, pp 57-61.
3. Hayavadana J., Vijaykumar HL., Rarchurkar PP. & Vanitha M. (2004)
'Biomedical textiles',
Asian Textile Journal, February, pp 93-98.
4. Viju S. (2008)
'Polymer nanofiber in biomedical applications',
Asian Textile Journal, May, pp 37.
5. 'Biomedical textiles- An overview', (2006)
Textile Trends, April, pp 29-35.
6. Vivek L Singh (2005)
'Biopolymers',
Asian Textile Journal, January-February, pp 65-68.

Finishes for medical textile product

1. Young- Sik Chung , Kwang- keun Lee & Jin- Woo Kim (1998)
'Durable press and anti-microbial finishing of cotton fabric with a citric acid and chitosan treatment',
Textile Research Journal, Vol. 68/10, pp 772-775.

2. 'Antimicrobial finishes- the protector of microbial maladies', (2000)
Journal of Textile Association, Vol. 61/3, pp 117-123.
3. Roshan S. Pai, Rajan V.R. & Roshan Paul (2004)
'Antimicrobial finishing',
Synthetic fibres, Vol. 33/3, pp 29-32.
4. 'Anti-microbial finishes for textiles', (2006)
Melliand International, Vol. 12/2, pp 146.
5. 'Antimicrobial finishes', (2007)
Colorage, Vol. 54/9, May.
6. Deepti Gupta & Somes Bhaumik (2007)
'Anti-microbial treatment',
Indian Journal of Fibre and Textile Research, Vol. 32/2, pp 254-263.
7. Rajkumar G. & Krishnaveni V. (2007)
'Herbal anti-microbial finish on cotton fabric using Aloe vera',
Asian Textile Journal, Vol. 16/2, pp 76-78.
8. Thilagavathi G., Krishnabala S. & Kannan T. (2007)
'Micro encapsulation of herbal products for microbial resistance in healthcare
textiles',
Indian Journal of Fibre & Textile Research, Vol. 32, September, pp 351 – 354.
9. Teli Arnas Aich MD. (2000)
'Anti-microbial finishes',
Journal of Textile Association, pp 117-123.
10. Deepti Gupta & Somes Bhaumik (2007)
'Anti-microbial finishes and modifications',
Melliand International, Vol. 8 (5), pp148-151.

Wound dressings

1. Y Le, Anand S .C. & Horrocks A. R .(1997)
'Textile materials for wound care',
Textile Asia, April, pp 37-38.
2. 'Recent developments in fibres and materials for wound management', (1997)
Indian Journal of Fibre and Textile research, Vol. 22/4, pp 337-347.
3. Agarwal A K, Amit Dayal & Naresh kumar (1999)
'Latest developments in wound management',
Asian Textile Journal, Vol. 8/5, pp 113-116.

4. Yimin Qin (2001)
'Advanced wound dressings',
Journal of Textile Institute, Vol. 92/2, pp 127-138.
5. 'A new product for the wound healing process', (2004)
Kettenwirkpraxis, Vol. 13, pp 29.
6. Somasundram D. (2004)
'Alginates for ideal wound dressings',
The Textile Magazine, Vol. 45/3, pp 73-74.
7. Somasundram D. (2004)
'Alginates- An enhancing recitation for healing sore',
Journal of Textile Association, Vol. 65/1, pp 21-23.
8. Martin Dauner (1998)
'Wound care',
Textile Asia, October, pp 46.
9. Ching- Wen Lou and Ching & Wen Lin (2008)
'Properties evaluation of Tencel/ Cotton nonwoven fabric coated chitosan for wound dressing',
Textile Research Journal, Vol. 78, pp 248-253.
10. Jitendra R Ajmeri, Chitra Ajmeri & Joshi N .B. (2003)
'Role of medical textiles in wound management',
Asian Textile Journal, 12(10), pp 126-131.
11. 'Super absorbent cellulosic fibres for wound management', (2005)
Textile Magazine, 32(1), pp 12-14.

Bandages

1. 'Compression bandages – A new 3-D product puts on the pressure', (2004)
Kettenwirkpraxis, pp 16-18.
2. Arindam Basu & Balasubramaniam K., (2008)
'Development of bandages using bamboo fibres',
Asian Textile Journal, June, pp 74.
3. Viju S. (2008)
'Bandages for medical purposes',
Asian Textile Journal, November, pp 63-69.

Nonwoven in medical textile field

1. 'Nonwoven fabric converters for special medical textiles',
International Textile Bulletin Nonwoven/Industrial Textiles, 41(2), 1995, pp 20-24.

2. Walker I.V. (2001)
‘Nonwoven – The choice for the medical industry into the next millenium’,
Asian Textile Journal, 10/10, pp 122-125.
3. Watzl A. & Majekar AJ (2002)
‘Spunlaced and airlaid nonwoven for medical textiles’,
Asian Textile Journal, 11/10, pp 53-58.
4. ‘Cotton core Nonwovens’, (2002)
Asian Textile Journal, 11/6, pp 23-24.
5. ‘Conversion of nonwoven rolls goods to hygiene and medical products’, (2006)
MANTRA, Vol. 2/7, pp 45-50.
6. Kunwar Vengateswara singh (2008)
‘Nonwoven in medical field’,
Textile Excellence, January, pp 12.
7. ‘Nonwoven in medical field’, (2007)
Textile Excellence, September, pp 17.
8. ‘Nonwovens directly from granulate polymer for hygiene and filterations’, (2000)
International Textile Bulletin Nonwoven/Industrial Textiles, Vol. 3, pp62.
9. Prescott B.A., Anand S.C., Richards A.F. & Halfpenny J.R. (2001)
‘Cotton blend nonwoven fabrics for medical use’,
Textile Asia, January.
10. ‘Development of stable fibre nonwovens for tissue engineering’, (2002)
International Textile Bulletin Nonwoven/Industrial Textiles, March, pp 8.
11. ‘Properties of stable fibre nonwovens for tissue engineering’, (2002)
International Textile Bulletin Nonwoven/Industrial Textiles, June, pp 45.
12. ‘Application of nonwoven’, (1998)
Textile Trends, Vol. 40(1).
13. ‘Testing of nonwoven fabric’, (2006),
MANTRA Bulletin, pp 1-6.
14. Arvindhan A.K. (2005)
‘Nonwovens for medical textile’,
Asian Textile Journal, 14(4), pp 36-41.

Developments in medical textile field

1. Berndt E. & Wulfharst B. (2001)
'Innovative textiles for medical applications',
Textile Asia, May, pp 26-27.
2. Mankodi, H.R., Chaudasma D.J. & Chaudhari S.B. (2001)
'New emerging textile for medical applications',
Man Made Textiles in India, Vol. 44/1, pp 437-442.
3. Khatwani P.A. & Desai K.S. (2002)
'Recent developments in medical textile',
Textile Asia, Vol. 33/4, pp 23-24.
4. Rakshit A.K. & Hira M.A. (2000)
|'Developments in healthcare textile',
Man Made Textiles in India, January, pp 21-25.
5. Mondal S. (2006)
'New medical textile world- Influence of smart materials',
Man Made Textiles in India, April, pp 124-127.
6. Hayavadana J., Vijajkumar H L., Raichurkar P.P & Vanitha M.V. (2004)
'Potential of intelligent textiles of biomedical filed',
Asian Textile Journal, 13(2), pp 93-98.
7. Rakesh S Chauhan (2008)
'Development in medical textiles',
Textile Magazine, Vol. 2/5 January, pp 9-12.

Others

1. Mary Jacos (1998)
'Diversity in textile applications',
Indian Textile Journal, October, pp 88-91.
2. Murugesan Babu K. & Muralidhara J.S. (1995)
'Textiles for medical use',
Indian Textile Journal, July, pp 34-41.
3. Gurudatt K., Mathur G.N. & Tripathi V.S. (1998)
'Medical applications of activated carbon fabrics',
Man Made Textiles in India, Vol. 41(2), pp 55-57.
4. Keran Shamash (1989)
|'Medical textiles: A healthy prognosis',
Textile Month, December, pp 15-16.

5. Lloyd D.W. & Singer C (2001)
'Heart valve replacement by textile prosthesis',
Textile Asia, October, pp 16-22.
6. Gurudatt K. (1998)
'Activated carbon fibres Part I: Introduction and applications',
Man Made Textiles in India, August, pp 345-347.
7. 'Medical field holds good scope for textiles', (2000)
Indian Textile Journal, November, pp 43.
8. Gilbert N. Arons, Richard N. Macnair & Richard L. Erickson, (1973)
'Sorption characteristics of activated carbon fabrics',
Textile Research Journal, September, pp 539.
9. 'Sourash Ghosh (2000)
'Medical textiles',
Indian Textile Journal, March, pp 10-14.
10. Dasaradan B.S., Chandrasekaran Bharathy S., Hayavadana J. & Shanmugam N.
(1993)
'Anatomial textiles - Surgical',
Asian Textile Journal, 1(8), June, pp 26-33.
11. Dasaradan B.S., Chandrasekaran Bharathy S., Hayavadana J. & Shanmugam N.
(1993)
'Anatomial textiles- Cardio vascular',
Asian Textile Journal, 1(12), October, pp 54-58.
