References

- 1. Nattaya Punrattanasin, Monthon Nakpathom, Buppha Somboon, Nootsara Narumol, Nattadon Rungruangkitkrai, Rattanaphol Mongkholrattanasist. Silk fabric dyeing with natural dye from mangrove bark (*Rhizophora apiculata* Blume) extract. *Industrial Crops and Products* 2013; 49: 122-129.
- 2. Mongkholrattanasit R, Krystufek J, Wiener J. Dyeing and fastness properties of natural dye extracted from eucalyptus leaves using padding techniques. *Fibers Polym*. 2010; 11: 346-350.
- Prusty AK, Trupti Das A, Nayak Das N B. Colourimetric analysis and antimicrobial study of natural dyes and dyed silk. *Journal of Cleaner Production* 2010; 18 (16-17): 1750-1756.
- 4. Tamilselvi A, Aravindhan R, Madhan B, Raghava Rao J. Studies on the application of natural dye extract from *Bixa orellana* seeds for dyeing and finishing of leather. *Industrial Crops and Products* 2013; 43: 84-86.
- 5. Mariselvam R, Kalirajan K, Ranjitsingh A JA. Antifungal activity of different natural dyes against traditional products affected fungal pathogens. *Asian Pacific Journal of Tropical Biomedicine* 2012; S1461-S1465.
- 6. Mariselvam R, Kalirajan K, Ranjitsingh A JA. Anti-microbial activity of turmeric natural dye against different bacterial strains. *Journal of Applied Pharmaceutical Science* 2012; 2(6): 210-212.
- 7. Fikret Karc, Nesrin Şener, Mustafa Yamaç, İzzet Şener, Aykut Demirçal. The synthesis, antimicrobial activity and absorption characteristics of some novel heterocyclic disazo dyes. *Dyes and Pigments* 2009; 80(1): 47-52.
- 8. Mohd Yusuf, Aijaz Ahmad, Mohammad Shahid, Mohd Ibrahim Khan, Shafat Ahmad Khan. Assessment of colorimetric, antibacterial and antifungal properties of woollen yarn dyed with the extract of the leaves of henna (*Lawsonia inermis*). *Journal of Cleaner Production* 2012; 27: 42-50.
- 9. Ali, N.F., and R.S.R. El-Mohammed. 2010. Eco-friendly and protective natural dye from red prickly pear (*Opuntia Lasiacantha* Pfeiffer) plant. *Journal of Saudi chemical society*. 15(3): 257-261.
- 10. Giri Dev VR, Venugopal J, Sutha S, Deepika G, Ramakrishna S. Dyeing and antimicrobial characteristics of chitosan treated wool fabrics with henna dye. *Carbohydrate Polymers* 2009; 75(4): 646-650.
- 11. Rajni Singh. Astha Jain, Shikha Panwar, Deepti Gupta, Khare SK. Antimicrobial activity of some natural dyes. *Dyes and Pigments* 2005; 66(2): 99-102.
- 12. Shinyoung Han, Yiqi Yang. Antimicrobial activity of wool fabric treated with curcumin. *Dyes and Pigments* 2005; 64(2): 157-161.
- 13. Singh R.V. Colouring plants An innovative media to spread the message of conservation. *Down to Earth* 2001; 20: 25-27.
- 14. Bechtold T, Turcanu A, Ganglberger E, Geissler S. Natural dyes in modern textile dye houses how to combine experiences of two centuries to meet the demands of the future?. *J. Clean. Prod.*, 2003; 11: 499-509.
- 15. Sakthivel M, Ramesh S. Mechanical properties of natural fiber (banana, coir, sisal) polymer composites. *Science Park* 2013; 1(1): 1-6.
- Yavas A, Avinc O, Gedik G. Ultrasound and Microwave Aided Natural Dyeing of Nettle Biofibre (*Urtica dioica* L.) with Madder (*Rubia tinctorum* L.) FIBRES & TEXTILES in Eastern Europe 2017; 25, 4(124): 111-120. DOI: 10.5604/01.3001.0010.2856.
- 17. Mariselvam R, Ranjitsingh AJA, Kalirajan K A. Usha Raja Nanthini G. Athinarayanan P. Mosae Selvakumar. Extraction of natural dyes from *Curcuma*

longa, Trigonella foenum graecum and *Nerium oleander*, plants and their application in antimicrobial fabric. *Industrial Crops and Products* 2015; (70): 84-90.

- Montazer M, Mozaffari A, Alimohammadi F. Simultaneous Dyeing and Antibacterial Finishing of Nylon Fabric Using Acid Dyes and Colloidal Nanosilver. *FIBRES & TEXTILES in Eastern Europe* 2015; 23, 2(110): 100-106.
- 19. Mohammad Shahid, Aijaz Ahmad, Mohd Yusuf, Mohd Ibrahim Khan, Shafat Ahmad Khan, and Nikhat Manzoor. Dyeing, fastness and antimicrobial properties of woolen yarns dyed with gallnut (*Quercus infectoria* Oliv.) extract. *Dyes and Pigments* 2012; 95(1): 53-61.
- 20. Shafat Ahmad Khan, Aijaz Ahmad, Mohd Ibrahim Khan, Mohd Yusuf, Mohammad Shahid, Nikhat Manzoor. Antimicrobial activity of wool yarn dyed with *Rheum emodi* L. (Indian Rhubarb). *Dyes and Pigments* 2012; 95(2): 206-214.
- Sojka-Ledakowicz J, Olczyk J, Polak J, Graz M, Jarosz-Wilkolazka A. Dyeing of Textile Fabrics with Bio-dyes. *FIBRES & TEXTILES in Eastern Europe* 2015; 23, 1(109): 120-126.