


Academic CV

Name	Dr. Sudhakar R	
Qualification	Ph.D.	
Designation	Assistant Professor	
Teaching Experience	15 years	
Contact details	Land line: 22961952 Mobile: 9845804755 E mail: sudhakar@bub.ernet.in sudhakarbu@gmail.com	
Courses taught	Textile Processing Technology, Garment Finishing Technology, Textile & Apparel Testing, Apparel Quality standards, Research Methodology.	
Areas of Specialization	Chemical Processing, Natural Dyeing, Silk Technology.	
Publications	<p>Dyeing properties of natural dye <i>Syzygium cuminii</i> on Silk. <i>Journal of The Institution of Engineers (India): Series E</i>. 95 (1): 11-17 (2014)</p> <p>Cannon ball flower, a new source of natural dye for silk. In- <i>A Value Chain of Natural Dyes</i>, BS Publications, Hyderabad, 2014. 76-81. ISBN: 978-93-83635-00-9.</p> <p>Dyeing properties of natural dye <i>Swietenia macrophylla</i> on cotton, silk and wool. In- <i>A Value Chain of Natural Dyes</i>, BS Publications, Hyderabad, 2014. 173-180. ISBN: 978-93-83635-00-9.</p> <p>Dyeing and color fastness of natural dye from <i>Psidium guajava</i> on silk. <i>Journal of Natural Fibers</i>. 10:257-270 (2013)</p> <p>Natural dye from the bark of <i>Casuarina equisetifolia</i> for silk. <i>International Journal of Pharma & Bio Sciences.</i>, 4(3): (B) 94 – 104 (2013)</p> <p>A natural colorant from <i>Ficus racemosa</i> for silk. <i>Colourage</i>, 58(9): 69-72 (2011).</p> <p>Natural Dyes for Silk: Extraction, Application and colour fastness properties. <i>Lambert Academic Publishing GmbH & Co.KG</i>, Germany, ISBN: 978-3-8473-1623-7 (2011).</p> <p>Isolation of colour components from flowers of <i>Tabebuia argentea</i>:</p>	

Kinetic and adsorption studies on silk yarn *Color. Technol.*, **127** (3): 205-209 (2011).

Extraction of natural color component from the bark of Belleric myrobalan (*Terminalia bellerica*): Kinetic and adsorption studies. *European Journal of Chemistry* **1**(3): 206-210 (2010).

Natural black dye from the nuts of *Semecarpus anacardium*. *Asian Dyer* **7**(4): 50-52 (2010).

Isolation of natural colorants from *Lagerstroemia indica*: Kinetic and adsorption studies. *Chinese J Chem.* **28**: 1091-1096 (2010).

Kinetic and adsorption studies of Indian siris (*Albizia lebbek*) natural dye on silk. *Indian J Fibre & Text. Res.* **35**: 159-163 (2010).

Extraction, identification and adsorption-kinetic studies of a natural colour component from *G sepium*. *Natural Science*, **2**(5), 469-475 (2010).

Natural colourant from the bark of *Macaranga peltata*: kinetic and adsorption studies on silk. *Color. Technol.*, **126**: 48-53 (2010).

Assessing properties of shirting fabrics by using FAST. *The Indian Textile Journal* **118** (1): 146-154 (2007).

Ecofriendly preparatory process for silk: Degumming by protease enzyme. *Man Made Textiles in India* **50**(1): 28-31 (2007).

Natural dyeing of silk with the nut extract of *Areca catechu*. *Colourage* **53**(7): 61-66 (2006).

Eco-friendly dyeing of silk with copper pod bark extract *Man_Made Textiles in India* **48**(12): 456-459 (2005).

Dyeing of silk with flower extract of *Spathodea campanulata*. *Man Made Textiles in India* **48**(7): 155-159 (2005).

Cytological effect of metal complex dye in the root tip cells of *Allium cepa*. *J. Ecotoxicology and Environmental Monitoring*, **15**(2):145-150 (2005).

Enzymes in Textile Industrial Applications. *J. Textile Assoc.* **65**(1): 15-19. (2004).

Mitotic abnormalities induced by silk dyeing industry effluents in the cells of *Allium cepa*. *Cytologia*. **66**(3): 235-239. (2001).

	<p>Cytotoxic effect of metal complex dye on cells of <i>Rattus norvegicus</i>. <i>J. Cytol.Genet.</i> 1 (NS): 81-82. (2000).</p>
<p>Conferences/ Seminars/workshops attended National /International</p>	<p>International Workshop on Natural dyes”, 5th to 7th March 2014, organized by ANGRAU, NAIP and Ni-MSME at Hyderabad. <i>Cannon Ball flower a new source of dye for silk</i>. Sudhakar R, Smitha, R & Ninge Gowda K.N.</p> <p>Workshop on e-Governance: Challenges and Prospects 18 December 2012, organized by Department of Electronics and Information Technology, Ministry of Communications and IT, Govt. of India & Bangalore University at Bangalore.</p> <p>National Conference sponsored by UGC on “Eco-social Sensitivity, Entrepreneurship in Home Science & Design Studies” 2 & 3rd February 2012 at Mount Carmel College (Autonomous) Bangalore. <i>Environment- friendly stain removers for textiles</i>. Sudhakar R, Poornima V & Ninge Gowda K.N, P-62.</p> <p>The 66th All India Textile Conference, “Expanding Sustainable Limits to India’s Positioning in Global Textiles & Clothing” 28th and 29th January 2011, Organized by Textile Association (India) at Bangalore.</p> <p>One day Workshop on Accelerating Research Discovery and Innovation, 26th April 2010, organized by Bangalore University in collaboration with Thomson Reuters at Bangalore University, Bangalore.</p> <p>“International conference & Exhibition on Textile & Apparel Industry”, 16-18 April 2009, The Institution of Engineers (India)-KSC, Bangalore. <i>Natural dyes from renewable sources for silk</i> R. Sudhakar & K.N. Ninge Gowda.</p> <p>National Seminar on “International Quality Standards in Textile and Apparel Industries and their Implementation” February 21-22, 2008, The Institution of Engineers (India) at Bangalore. <i>Minimizing Rework in the Sewing Department-A Case Study</i> Banumathy S, Ninge Gowda K.N. & Sudhakar R, P 33-34.</p> <p>National Seminar on “Strategies for Growth of Indian Apparel Industry-An Academic & Industry Perspective” 15-16 February 2008, Organized by the Department of Apparel Technology &</p>

Management, Bangalore University at Bangalore.

One day Workshop on “University-Industry Convergence for Advancement” 26th November 2007, Organized by the Department of Apparel Technology & Management, Bangalore University at Bangalore.

National Seminar on “Current Issues on Applied Zoology and environmental Sciences with Special Reference to eco-restoration & Management of Bioresources”, 7-9 Dec. 2007, University of Lucknow and BR Ambedkar University at Lucknow. *An ecofriendly dye for silk and cotton from Plumeria rubra*. K.N. Ninge Gowda, V. Narayanaswamy & R. Sudhakar, p-60.

National Symposium on the role of “Analytical Instruments in characterization and Quantification of Materials”, 27-28 January 2007. Indian Society of Analytical Scientists and Department of Studies in Chemistry, Bangalore University at Bangalore. *Isolation of colour components from the bark of Macaranga Peltata and evaluation of its kinetic and thermodynamic aspects*. K.N. Vinod, Puttaswamy, K.N. Ninge Gowda & R. Sudhakar.

“International Symposium /Workshop on Natural Dyes” 5th -12th November 2006, Organised jointly by Crafts Council of India & UNESCO at Hyderabad, India.

National Conference on “Tropical Sericulture for Global Competitiveness” 5-7 Nov. 2003. National Academy of Sericultural Sciences, Central Sericultural Research & Training Institute, Central Silk Board, Mysore. *Ecofriendly dyeing of silk with a natural dye*. K.N. Ninge Gowda, R. Sudhakar & Naveen V Padaki, p-129.

National Conference on “Tropical Sericulture for Global Competitiveness” 5-7 Nov. 2003. National Academy of Sericultural Science, Central Sericultural Research & Training Institute, Central Silk Board, Mysore. *Dyeing of silk with natural extract from Ficus religiosa*. K.N. Ninge Gowda, V. Narayanaswamy & R. Sudhakar, p-133.

National Seminar on Textile Education, 22-23rd November 2002, Organized jointly by NCUTE, Ministry of Textiles, Govt. of India, Govt. SKSJTI & Dept. of Apparel Technology & Management, Bangalore University at Bangalore

Convention on Natural Dyes. 17-18th December 2001, Organized by

	the Dept. of Textile Technology, IIT, Delhi, India. <i>Dyeing of Silk with Areca catechu waste</i> . K.N. Ninge Gowda & R. Sudhakar.
Projects - Completed	“A study on the physical and comfort properties of handloom woven silk fabrics” funded under BUIRF. (2011).
Roles within Bangalore University	<p><u>Board of Studies:</u> Member, Board of Studies in Apparel Technology & Management (PG) 2011-14, 2014-2017.</p> <p><u>Custodian/Co-ordinator:</u> Co-ordinator for Re-valuation unit PG I & III Semester Science, M.B.A, Commerce courses (City Campus) Dec 2013/Jan 2014 Exams</p> <p>Custodian for valuation unit PG Annual Scheme I & II Year Correspondence courses (City Campus) Dec 2013 Exams</p> <p>Co-ordinator for Re-valuation unit PG II & IV Semester Science, M.B.A, Commerce courses (City Campus) Jun-July 2012 Exams</p> <p>Dy. Custodian for valuation unit PG II & IV Semesters Science & Commerce Courses (City Campus) Jun-July 2010 Exams</p> <p>Dy. Custodian for valuation unit PG II & IV Semesters Science & Commerce Courses (City Campus) Dec 2009/Jan 2010 Exams</p> <p><u>Board of Examination:</u> Member, Board of Examiners in Apparel Technology & Management (PG).</p> <p>Member, Board of Examiners in Fashion & Apparel Design (UG).</p>
Training programmes attended	<p>UGC sponsored Orientation Programme, organized by the Academic Staff College, Bangalore University, Bangalore (2011).</p> <p>UGC sponsored Refresher Course in Information and Communication Technology organized by the Academic Staff College, Bangalore University, Bangalore (2014).</p>
Membership of professional Societies	<p>Life Member, The Textile Association (India).</p> <p>Life Member, The Indian Science Congress Association (India).</p>