

### Faculty Profile

<b>Faculty Name</b>	Astha
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	M.Tech (Textile Chemistry), B.Tech (Fashion & Apparel Engineering)
<b>Email</b>	<a href="mailto:astha.textile@piet.co.in">astha.textile@piet.co.in</a>
<b>Area of Interest</b>	Textile chemical processing, Sustainable textile processing by natural dyes, Fashion and Garment
<b>Work Experience (Total)</b>	6 years and 6 months
• Teaching	5 years and 8 months
• Research	
• Industry	10 months
• Others	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	Textile chemical processing, Textile Testing, Garment Technology, Technical Textile, Advanced Chemical Processing, Process Control in Garment, Textile Fibre, Knitting Technology and Process control in chemical processing
<b>Membership of Professional Bodies</b>	TAI (The Textile Association (India), ISTE (Indian Society for Technical Education)
<b>Research Publications</b>	
• Research Papers UGC-CARE	
• Research Papers SCOPUS	1
• Research Papers WoS/SCI/ABDC	3
• List of Publications	<ul style="list-style-type: none"> <li>• <b>SCOPUS:</b></li> <li>1. A K Patra &amp; Astha, Comparative study of dyeing performance of soybean fibre</li> </ul>

	<p>and wool Fibres and Textiles {Vlakna a textil}, SLOVAKIA, Vol.23, Sept 2016, ISSN-1335-0617.</p> <ul style="list-style-type: none"> <li>• <b>SCI/WoS:</b></li> </ul> <ol style="list-style-type: none"> <li>1. Pratibha Malik, <b>Astha Sharma</b>, Gianender, J. P. Sharma, Textiles for protection against Electromagnetic Radiations: A review, International Journal of Engineering Research and Application, ISSN: 2248- 9622, Vol. 8, Issue 6 (Part -III) June 2018, pp 32-37.</li> <li>2. <b>Astha</b> &amp; Junia Ladaihzovi, Colouration of Cotton Fabric with Marigold flower and onion peel, Asian Dyer, June-July 2018, Vol 15, No.3, page no 45-48, ISSN -0972-9488.</li> <li>3. <b>Astha</b>, Pratibha Malik, Pankaj Kumar &amp; Aman Sindwani, Colouration of Banana fabric with Marigold Flower and Pomegranate peel, Asian Dyer, Dec 2017- Jan 2018, Vol. 14, No. 6, ISSN-0972-9488.</li> </ol>
<b>Book and Chapter Publications</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• Books Authored published by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Books Authored published by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Publication of Chapter in Edited Books</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by International Publishers</li> </ul>	

<ul style="list-style-type: none"> <li>• Editor of Book by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Translation Work of Book</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Book and Chapter Publications</li> </ul>	
<b>Patents</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• Published</li> </ul>	
<ul style="list-style-type: none"> <li>• List of published patent(s)</li> </ul>	
<ul style="list-style-type: none"> <li>• Filed</li> </ul>	
<ul style="list-style-type: none"> <li>• List of filed patent(s)</li> </ul>	
<b>PhD Guidance</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>M.Tech. Guidance</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>Research Project</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• List of Research project</li> </ul>	
<b>Consultancy</b>	<b>NA</b>
<ul style="list-style-type: none"> <li>• List of Consultancy</li> </ul>	
<b>Awards &amp; Honours</b>	
<ul style="list-style-type: none"> <li>• List of Awards &amp; Honours</li> </ul>	<ol style="list-style-type: none"> <li>1. Mentor of Smart India Hackathon Hardware edition “MediTex”, 2020.</li> <li>2. Jury panel of Smart India Hackathon 2019.</li> <li>3. Presented oral paper presentation on 2<sup>nd</sup> International conference on “Emerging trends in Traditional and Technical Textiles,1-3 Nov, 2019, NIT Jalandhar.</li> <li>4. Working as a member of BOS (Board of Studies) in the Kurukshetra University, Kurukshetra for Textile</li> </ol>

	Engineering Branch.
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
• International (Abroad)	
• International (Within Country)	2
• National	2
<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	<ol style="list-style-type: none"> <li>1. Astha, Sapna Kushwaha &amp; Neeraj Bala, To study the dyeing behaviour of Rose &amp; Hibiscus Natural dyed Cotton fabric using Pre, Post &amp; Simultaneous Mordanting methods, 2nd International conference on Emerging Trends in Traditional &amp; Technical Textiles, November 1st -3rd, 2019, NIT Jalandhar, pp-15, ISBN: 978-93-5382-111-1.</li> <li>2. Astha &amp; Tanika Dhiman, Chromic Textile: A Critical Review, NCFAT'17, Amity University, Uttar Pradesh, ISBN -978-93-86238-19-1</li> <li>3. Astha, Computer Aided Designing for Emerging Textile and Fashion designing: A Comprehensive View, NCFAT, 2018, Amity University, ISBN-978-93-86238-51-1, pp, 64-69.</li> <li>4. A K Patra &amp; Astha, Comparative study of dyeing performance of soybean fibre and wool Fibres and Textiles {Vlakna a textil}, SLOVAKIA, Vol.23, Sept 2016, ISSN-1335-0617.</li> </ol>

<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	
<ul style="list-style-type: none"> <li>• List of Conference/FDP/STTP committee</li> </ul>	<ol style="list-style-type: none"> <li>1. STTP Course Coordinator “Apparel Marketing and Merchandising, 20<sup>th</sup> May-3<sup>rd</sup> May, 2020.</li> </ol>
<b>Social Contributions and Sports</b>	
<ul style="list-style-type: none"> <li>• <b>List of Social Contributions and Sports</b></li> </ul>	<ol style="list-style-type: none"> <li>1. Girl’s Hostel warden</li> <li>2. Alumni Coordinator</li> </ol>