

## Profile Page



Name : Dr Monica Sikka  
Designation : Associate Professor  
Department : Textile Technology  
Qualification : PhD Textile Technology (NITJ)  
M.Tech Textile Engineering and Management (NITJ)  
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### **Research Interests :**

Wound care materials, Healthcare textiles, Fabric designing, Technical Textiles, Fabric structure -property relationship

### **Journal Publications :**

| Year | Journal   | Publication   |
|------|---|---|
| 2022 | Asian Textile Journal, 44   | Monica Sikka, Charvi Aggarwal, Avesh Mishra & Ashwin S, "Impact of Covid-19 on Textile Industries"  |
| 2022 | Research Journal of Textile and Apparel   | Monica Sikka, Alok Sarkar, Samridhi Garg "Artificial intelligence (AI) in textile industry operational modernization"                                     |
| 2022 | Journal of Industrial Textiles  | Gyana Behera, Arunangshu Mukhopadhyay, Monica Sikka, "Development of scheme to evaluate the performance of parachute canopy fabrics under tensile impact" |
| 2022 | Indian Journal of Fibre and Textile Research 47(1):70-77  | Monica Sikka, Siddhi Vardhan Singh Rao, Samridhi Garg, "Silk biomaterial for skeletal tissue engineering"   |
| 2022 | Research Journal of Textile and Apparel   | S Garg, MP Sikka, VK Midha, "Review on fabric thermal comfort in wet conditions"  |
| 2021 | Institute of engineers, Annual Technical Volume of Environmental Engineering Division, on "Technologies for Zero Waste in India: Current and Future Challenges", ISBN Number (978-81-952159-4-2), pp 84-89. | Monica Sikka, Samridhi Garg, "Minimizing Healthcare Waste"  |
| 2021 | Indian Journal of Fibre & Textile Research Vol 46, March 2021, pp. 22-28  | Payal Bansal , Monica Sikka & AK Choudhary, "Seam performance of knitted fabrics based on seam strength and seam efficiency"                              |
| 2021 | Asian textile journal   | Sikka, M., Meena, A., Ashwin., S., Mishra, A., Aggarwal, C., "Impact of Covid-19 on Textile Industries"   |

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| 2021 | Research Journal of Textile and Apparel   | Sikka, M.P. and Mondal, M., "A critical review on cleanroom filtration"  |
| 2021 | Indian journal of fibre & textile research, vol. 46, June 2021, pp. 120-126.                        | Payal bansal, AK Choudhary, Monica sikka, "Seam grinning behaviour of single jersey fabric"  |
| 2020 | Indian Journal of Fibre & Textile Research, Vol 45, No 4 (2020)                                     | Bansal, Payal; Sikka, Monica; Choudhary, A K," Effect of yarn count and loop length on needle penetration force and needle cut index in single jersey fabrics"                 |
| 2020 | Research journal of textile and apparel, accepted on 22 April 2020.                                 | Sikka, Monica; Garg, Samridhi, "Functional Textiles for Prevention of Pressure Ulcers - A Review"  |
| 2020 | Asian Textile Journal, accepted on Feb., 2020   | Monica sikka, Payal Bansal, Kirandeep Kaur, kirat Chauhan, "Role of auxetic fibers in controlled drug delivery system"   |
| 2020 | Asian Textile Journal, accepted Jan., 2020.   | Awadhesh Kumar Chaudhary, M.P. Sikka, Payal Bansal, "Seam quality of polyester spandex half plated knitted fabric"   |
| 2019 | Asian Textile Journal, Vol. 28(10) 39-43  | Monica Sikka, Samridhi Garg "Impact of mobile phone radiation on the human body and textile remedies"  |
| 2018 | Research Journal of Textile and Apparel, Emerald Publication, DOI 10.1108/RJTA-08-2017-0041         | Choudhary AK, Sikka MP and Bansal P.,"The study of sewing damages and defects in garments"   |
| 2016 | Med Eng Phys. 38(9):917-21. doi:10.1016/j.medengphy.2016.05.006. Elsevier pub 2016 Jun 1.           | Sikka MP, Ghosh S, Mukhopadhyay A.," Mathematical modeling to predict the sub-bandage pressure on a conical limb for multi-layer bandaging"                                    |
| 2016 | Journal of Fibre Bioengineering and Informatics, 9 (3): 155-165. DOI: 10.3993/jfbim00242            | Sikka MP, Mukhopadhyay A," Sub Bandage Pressure Measurement on a Compressible Limb for Treatment of Leg Ulcer"   |
| 2016 | Journal of Fashion Technol and Textile Engg 4:1. doi:10.4172/2329-9568.1000131                      | Sikka MP, Mukhopadhyay A , " Neural Network Model for Predicting Sub Bandage Pressure of High Compression Bandages'.   |
| 2016 | The Asian Textile Journal, 25 (8), 53-57  | Sikka MP, Devendra Kumar "Artificial skin grafts"  |
| 2015 | The Asian Textile Journal, vol.24 no. 3.,54-62  | MP Sikka and S Tharakeswari, "Cosmetotextiles and microencapsulation"  |
| 2015 | The Asian Textile Journal, vol.24 no. 12, 53-59.  | MP Sikka and Gyana Ranjan Behra,"Tissue Engineering"   |
| 2014 | Fibers and Polymers, Vol.15, No.8, 1779-1785  | M P Sikka, S Ghosh, and A Mukhopadhyay, "The Structural Configuration and Stretch Property Relationship of High Stretch Bandage Fabric",                                       |
| 2014 | Journal of Environmental Research and Development, Vol. 8 No. 3, 510-513                            | M P Sikka, S Ghosh and A Mukhopadhyay, "The role of compression in treatment of leg ulcers",   |
| 2013 | International journal of advanced research in engineering & technology, volume:4, issue: 2,259-270. | Srinivasulu k, Monica Sikka and J Hayavadana , "Study of loop formation process on 1x1 v-bed rib knitting machine: the factors affecting loop length and validation of model", |
| 2013 | International journal of textile and fashion technology ,vol. 3-2,1-14                              | Srinivasulu k, Monica Sikka and J Hayavadana , " Study of Loop Formation Process on 1 1 V-Bed Rib Knitting Machine : A Mathematical Model for Loop Length" ,                   |
| 2013 | Journal of Biomedical Science and Engineering Vol.6 No.12   | M P Sikka, S Ghosh, A Mukhopadhyay , "Geometry of the bandaging procedure and its application while wrapping bandages for treatment of leg ulcers",                            |

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| 2008 | Journal of tissue viability 82-94, 17                                      | M Sikka, A Mukhopadhyay, S Ghosh, K S Nagla, "Comparative performance of compression bandages and garments for the treatment of venous leg ulcer" |
| 2004 | International journal of clothing science and technology vol.16 pp 394-403 | A Mukhopadhyay ,M Sikka, A K Karmakar , "Impact of laundering on the seam tensile properties of suiting fabric"                                   |
| 2004 | Prestige journal of management and research pp119-124                      | V Midha and M Sikka, "Entrepreneurship development in India: challenges and opportunities"  |
| 2003 | The Indian Textile Journal, vol.11., 23-28,                                | V Midha and M Sikka, "Principles of factory location and layout"  |

### Conference Publications :

| Year | Conference  | Publication  |
|------|---|--|
| 2021 | "TEXCON- 2021" a National Conference on "NEW WORLD OF TEXTILES: SHAPING FOR THE FUTURE" held on 18th & 19th February, 2021.   | Monica sikka, Gyana Ranjan Behera, "Nano technology based self-cleaning effect on textiles"                            |
| 2021 | "TEXCON- 2021" a National Conference on "NEW WORLD OF TEXTILES: SHAPING FOR THE FUTURE" held on 18th & 19th February, 2021.   | Monica sikka, Samridhi garg, "Nano-material Based Clothing to Combat COVID-19"   |
| 2021 | International Online Conference on Advances in Textile, Fashion and Crafts [ATFC-2021] March 22-24, 2021.   | Gyana Ranjan Behra, Monica sikka, "Sustainable shopping bag"   |
| 2021 | International Online Conference on Advances in Textile, Fashion and Crafts [ATFC-2021] March 22-24, 2021.   | Monica sikka, Samridhi garg, "Impression of Covid-19 on Textile Industries"  |
| 2021 | APA Bioforum International e-Conference on Polymeric Biomaterials & Bioengineering  | Monica Sikka, Samridhi Garg, '37.5 yarn technology for enhancing thermo-physiological comfort of textile product'      |
| 2020 | International Conference ASTMLS' 20, 11-12 DECEMBER 2020.   | Monica sikka, Thallapally Vinodini Charan, "Recent developments in personal protective equipments"                     |
| 2020 | International Conference ASTMLS' 20, 11-12 DECEMBER 2020.   | Monica sikka, Samridhi garg, "BIOSENSING TEXTILES FOR MEDICAL SECTOR"  |
| 2020 | 5th international conference on INDUTECH 2020, 21st -23rd August.   | Monica Sikka, Sourav Kar and Gyana Ranjan Behera, "Development of lint-free nonwoven abdominal sponges"                |
| 2020 | AICTE sponsored International E- Conference on "Recent Trends in Textiles – A Paradigm for Innovative and Sustainable Fibers, Yarns, Fabrics and Garments Production, Processing & Designing Aspects", 18-19 September, 2020, TIT&S, Bhiwani. | Deepak kumar Bhati & Monica Sikka, "Fabrication and properties evaluation of banana-based hybrid composite material"   |
| 2020 | AICTE sponsored International E- Conference on "Recent Trends in Textiles – A Paradigm for Innovative and Sustainable Fibers, Yarns, Fabrics and Garments Production, Processing & Designing Aspects", 18-19 September, 2020, TIT&S, Bhiwani. | Monica Sikka & Samridhi Garg, "Nanofiber materials as Burn Wound Dressing"   |
| 2019 | 34th Indian Engineering Congress, The Institution of Engineers (India) during 27th -29th December, 2019 Hyderabad Convention Centre.  | Monica Sikka, Suraj Khushwaha and Sudhanshu Maurya, "Moisture management properties of washed bi stretch denim fabric" |
| 2019 | International Conference on Material Science and Engineering popularly known as ICMSE 2019 during 11-12 June 2019, NIT Jalandhar, 2019.   | Monica Sikka, Sumit Kumar and Mehak Gupta, "Fabrication of Triboelectric based stockings for high altitudes"           |

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|------|---|---|
| 2019 | International Conference on Emerging Trends in Technical and Traditional Textiles (ICETT) 01-03 November 2019, NIT Jalandhar, 2019 Page 18                            | Monica Sikka, Mamta Devi, Samridhi Garg "Effect of structural parameters on pressure behavior of tubular bandages"                                |
| 2019 | ADVANCES IN TEXTILE MATERIALS AND PROCESSES (ATMP) 02-03 December, 2019, UPTTI, Kanpur  | Monica Sikka, Harish, Samridhi Garg "Study on the effect of constructional parameters on the color value of handloom woven fabrics"               |
| 2019 | International Conference on Emerging Trends in Technical and Traditional Textiles (ICETT) 01-03 November 2019, NIT Jalandhar, 2019, Page 42                           | Payal Bansal, Monica Sikka and Awadhesh Kumar Choudhary , "Automate fabric defects inspection using different techniques"                         |
| 2019 | International Conference on Emerging Trends in Technical and Traditional Textiles (ICETT) 01-03 November 2019, NIT Jalandhar, 2019, Page 66                           | Monica Sikka and Gyana Ranjan Behra, "Development of multilayer bedsores mattress to prevent pressure ulcers"                                     |
| 2019 | International Conference on Emerging Trends in Technical and Traditional Textiles (ICETT) 01-03 November 2019, NIT Jalandhar, 2019, Page 26                           | Monica Sikka, Mahendra Sahu and Deepak Kumar Bhati, "Studies on functional properties of bioactive composite footwear insole"                     |
| 2018 | International conference on advancement in engineering , applied science and management, Punjab University, Chandigarh, May, 2018                                     | Monica P Sikka, Payal Bansal ,khin su lwin , "Studies on the pressure behavior of crepe bandage on repeated usage and washing"                    |
| 2018 | International Conference on Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunity and Challenges, popularly known as CHEMCON, December, 2018 | Monica Sikka and Samridhi Garg, "Green Textiles-The future"   |
| 2018 | The 11th Textile bioengineering and informatics symposium, TBIS 2018, Manchester, UK, July 25-28, 2018  | Monica Sikka. Thallapally V Charan, 'Development of reusable cost-effective incontinence pads for light urinary incontinence'                     |
| 2018 | International conference on Advances in Textile Materials and Processes, UPTTI in collaboration with IIT KANPUR   | Monica Sikka and Payal Bansal, "Effect of inlay yarn on the pressure performance of medical compression stockings"                                |
| 2016 | International conference on Redefining Textiles :a cutting edge technology of future, NIT Jalandhar, April 8-10.  | Hyder Khan and MP Sikka "Textiles for cure of pressure ulcers in elderly, disabled and bedridden persons"   |
| 2016 | TBIS 2016, Melbourne, Australia   | Sikka MP, Mukhopadhyay A Neural Network Model for Predicting Sub Bandage Pressure of High Compression Bandages.                                   |
| 2014 | International Conference on Emerging Trends in Traditional and Technical Textiles, NIT Jalandhar  | M Sikka, S Ghosh, A Mukhopadhyay, "Modelling of the bandaging procedure and its application while wrapping the high stretch bandage"              |
| 2014 | International Conference on Technical Textiles and Nonwovens, IIT Delhi   | M Sikka,S Ghosh, A Mukhopadhyay . "The structural and stretch property of high stretch bandages"  |
| 2013 | Futuristic and emerging areas in technology: issue and challenges', FEAT 2013, Department of Textile Engineering, PTU, GZSC CAMPUS BATHINDA                           | M Sikka, Sidharth Mahajan , Harbansh Singh, 'Medical compression stockings'   |
| 2012 | International conference & exhibition for filtration and separation technology, Graz, Austria   | M Sikka, "Effect of the design of filter fabric on solid/liquid separation."  |
| 2011 | International conference & exhibition for filtration and separation technology, Wiesbaden, Germany  | M Sikka, "Comparison of various filter media used in bag filters."  |
| 2007 | MEDTEX 07, CMIR Bolton university   | M Sikka, A Mukhopadhyay, S Ghosh, K S Nagla, "Comparative performance of compression bandages and garments for the treatment of venous leg ulcer" |
| 2007 | Fibre society technical fall conference, University of California , Davis, USA  | M Sikka, A Mukhopadhyay, S Ghosh, "Pressure performance of compression materials",  |

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| 2007 | International conference on Recent trends in textiles, NIT Jalandhar                                  | M Sikka, A Mukhopadhyay, S Ghosh, “Pressure distribution of compression bandages in the treatment of venous leg ulcers” |
| 2006 | XVI National SBAOI Conference on Biomaterials , Tissue Engineering and Medical Diagnostics, IIT Delhi | M Sikka, A Mukhopadhyay, S Ghosh, “A study on creep performance of bandaging material for the treatment of edema”       |

### Book/Chapter Publications :

| Type         | Title   | Publisher                | Authors                                    | ISBN/ISS N No.    | Year |
|--------------|---|--------------------------|--|-------------------|------|
| Book Chapter | “Natural antimicrobial and bioactive agents as additives in wound dressings”  | ELSEVIER                 | Monica Sikka and Samridhi Garg             | 9780323905145     | 2022 |
| Book Chapter | "Effect of structural parameters on pressure behaviour of tubular bandages”in Recent Trends in Traditional and Technical Textiles (Select Proceedings for ICETT 2019), Eds. Vinay Midha and A. Mukhopadhyay | Springer                 | Monica Sikka, Mamta Devi and Samridhi Garg | 978-981-15-9994-1 | 2020 |
| Book chapter | "The role of biopolymers and biodegradable polymeric dressings in managing chronic wounds", in Advanced Textiles for Wound Care, edited by S . Rajendran  | Elsevier, Cambridge, UK. | Monica Puri Sikka and Vinay Kumar Midha    | 978-0-08-102192-7 | 2019 |
| Book chapter | "Speciality dressings for managing difficult-to-heal wounds" in Advanced Textiles for Wound Care, edited by S . Rajendran   | Elsevier, Cambridge, UK. | A. Mukhopadhyay, MP Sikka, and VK Midha    | 978-0-08-102192-7 | 2019 |
| Book Chapter | ‘Nonwovens and Recent Developments’ in Fibres to Smart Textiles: Advances in Manufacturing, Technologies and Applications, 1st Edition, Eds. Asis Patnaik and Sweta Patnaik                                 | CRC Press                | Midha, V K and Sikka Monica                | 9781138332515     | 2019 |
| Edited book  | Manikins for medical Textile evaluation” in Manikins for textile Evaluation   | Woodhead Publishing ltd  | Monica P Sikka                             | 978-0-08-100909-3 | 2017 |
| Edited book  | A study of the pressure profile of compression bandages and compression garment for treatment of venous leg ulcers’ Medical and healthcare textiles   | Woodhead Publishing ltd  | M Sikka, S Ghosh, A Mukhopadhyay           | 978-1-84569-224-7 | 2010 |
| Edited book  | ‘Compression Bandages” in Progress in Textiles: Science and Technology,   | IAFL publications        | S Ghosh, A Mukhopadhyay, M Sikka           | 978-81-901033-4-3 | 2008 |

### Events Organized :

| Category   | Type          | Title                         | Venue   | From       | To         | Designation          |
|------------|---------------|-------------------------------|---|------------|------------|----------------------|
| Conference | International | Futuristic trends in Textiles | Department of Textile Technology, NIT Jalandhar | 10/12/2007 | 12/12/2007 | Coordinator          |
| STC        | National      | Garment Technology            | Dr. B R Ambedkar NIT Jalandhar                  | 10/06/13   | 14/06/13   | Organizing secretary |

|                          |               |   |   |            |            |                      |
|--------------------------|---------------|---|---|------------|------------|----------------------|
| Conference               | International | Emerging Trends in Traditional and Technical Textiles   | Dr. B R Ambedkar<br>NIT Jalandhar   | 11/04/14   | 12/04/12   | Coordinator          |
| Conference               | International | 'Redefining Textiles: Cutting edge technology of the future   | Organized three days International Conference on 'Redefining Textiles: Cutting edge technology of the future' at NIT Jalandhar on April 8-10, 2016. | 08/04/16   | 10/04/16   | Co-convenor          |
| GIAN COURSE              | International | Medical Textiles and Tissue Engineering   | Dr. B R Ambedkar<br>NIT Jalandhar   | 20/07/16   | 30/07/16   | Coordinator          |
| Guest lecture            | National      | 'Recent developments/innovations in machines /technology and new fibres'  | NIT Jalandhar   | 16-04-2019 | 16-04-2019 | Coordinator          |
| STC                      | National      | Advancements in Garment Technology  | Dr. B.R. Ambedkar<br>NIT, Jalandhar   | 22-05-2019 | 26-05-2019 | Coordinator          |
| Short term course        | National      | 'Medical textiles and Tissue Engineering'   | NIT Jalandhar   | 07-11-2019 | 11-11-2019 | Coordinator          |
| Short term course        | National      | 'Clothing Comfort'  | NIT Jalandhar   | 02-11-2019 | 06-11-2019 | Coordinator          |
| International Conference | International | 'Emerging Trends in Traditional and Technical Textiles'   | NIT Jalandhar   | 01-11-2019 | 03-11-2019 | Organizing secretary |
| Guest Lecture            | National      | 'Inkjet printing on textiles;' by kushal sen, IIT, New Delhi  | NIT Jalandhar   | 30-08-2019 | 30-08-2019 | Organizing secretary |
| Guest Lecture            | National      | 'Hybrid yarns and thermoplastic composites;' by Aligarusamy, IIT, New Delhi                                       | NIT Jalandhar   | 14-08-2019 | 14-05-2019 | Organizing secretary |
| Guest Lecture            | National      | 'Science behind clothing comfort;' by Apurba Das, IIT, New Delhi  | NIT Jalandhar   | 28-08-2019 | 28-08-2019 | Organizing secretary |
| Guest Lecture            | National      | 'Broad spectrum sourcing in Apparel and home textiles;' by Shalini Madan, Consultant at INDIAN ACCENTS, New Delhi | NIT Jalandhar   | 04-04-2019 | 04-04-2019 | Organizing secretary |
| FDP                      | National      | Textile Design  | NIT, Jalandhar  | 09-08-2021 | 13-08-2021 | Coordinator          |

### Professional Affiliations :

| Designation | Organization                                      |
|-------------|---|
| Life member | Textile Association of India (TAI)                |
| Life Member | The Indian Society for Technical Education (ISTE) |

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| FELLOW F-123341-2 | The Institute of Engineers (INDIA) |
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### PhD Supervised :

| Scholar Name       | Research Topic   | Status    | Year | Co-Supervisor      |
|--------------------|--|-----------|------|--------------------|
| Kumari Neha        |  | ongoing   | 2022 | Dr A Mukhopadhyay  |
| Meghana Kammata    |  | ongoing   | 2022 | Dr A Mukhopadhyay  |
| Manoj kumar        |  | Ongoing   | 2020 |                    |
| Vinodini           |  | Ongoing   | 2020 | Dr A Mukhopadhyay  |
| Samridhi Garg      | Thermo-physiological comfort of seamed multilayered fabric       | Ongoing   | 2018 | Dr. Vinay Midha    |
| Gyana Ranjan Behra | Studies on impact loading of textiles                            | Ongoing   | 2017 | Dr. A Mukhopadhyay |
| Payal              | Study on needle cut in knitted garments                          | Completed | 2015 | Dr. A K Choudhary  |
| Sapna Khushwaha    | To study the wet abrasion behavior of lycra and non lycra fabric | -         | 2015 | Dr. A Mukhopadhyay |

### Admin. Responsibilities :

| Position Held                               | Organization  | From | To        |
|---|---------------|------|-----------|
| Faculty Incharge<br>PHOTOGRAPHY CLUB        | NIT Jalandhar | 2015 | till date |
| Member Entrepreneurship<br>Development Cell | NIT Jalandhar | 2007 | 2008      |
| Member Alumni Coordination<br>cell          | NIT Jalandhar | 2010 | 2012      |
| Member Post Graduate<br>Committee           | NIT Jalandhar | 2014 | 2015      |
| Student Councilor (First Year)              | NIT Jalandhar | 2017 | Till date |
| Coordinator college magazine                | NITJ          | 2019 |           |
| Member, ICC                                 | NITJ          | 2018 |           |
| Associate Dean (Academics)                  | NIT Jalandhar |      | till date |

### Award and Honours :

| Title  | Activity   | Given by  | Year |
|--|--|---|------|
| Outstanding Teacher Award in Textile Engineering | STAIR Awards 2021  | STAIR ( Science and technology academic, innovation and research award) | 2021 |
| Expert Lecture                                   | “Recent knitted fabric development”                                | ATAL FDP in Apparel Design (Advance), NIIFT, Ludhiana                   | 2021 |
| Guest lecture                                    | “Smart textiles- New possibilities in textile engineering”         | Pushpa Gujral Science City  | 2021 |
| Member of Technical Advisory Committee           | International e-conference on Sustainability in Technical Textiles | Bannari Amman Institute of Technology, Sathyamangalam, Erode, Tamilnadu | 2021 |
| Member of advisory committee                     | Science and Technology Academic, Innovation and Research Awards    |   | 2021 |

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| Expert lecture  | 'Weaves for fabric design' ,<br>NIT Jalandhar, Atal FDP on<br>"Textile design"   | NIT Jalandhar   | 2021 |
| Expert lecture  | 'Computer aided knitted<br>fabric', Atal FDP on "Textile<br>design"  | NIT Jalandhar   | 2021 |
| Session Chair for International Conference                                    | "Recent Development on<br>Materials, Reliability, Safety<br>and Environment Issues<br>(IMRSE-2021)"                                | Dr B R Ambedkar National<br>Institute of Technology (NIT),<br>Jalandhar, India.   | 2021 |
| Session Chaired   | "International Conference on<br>Industrial and Manufacturing<br>Systems (CIMS-2020)"   | B R Ambedkar National<br>Institute of Technology (NIT),<br>Jalandhar  | 2021 |
| Best Teacher Award  | 17th Convocation of NITJ   | Dr B R Ambedkar National<br>Institute of Technology (NIT),<br>Jalandhar, India.   | 2021 |
| Expert talk on, '3D Weaving: A New<br>Paradigm'                               | Webinar  | School of Design (Fashion),<br>Lovely Professional<br>University  | 2021 |
| Panellist in TEQIP-III Sponsored Online<br>Short-Term Course                  | "Recent Trends in Textile and<br>Fashion"  | Department of Textile<br>Technology, DR B R<br>AMBEDKAR NATIONAL<br>INSTITUTE OF<br>TECHNOLOGY<br>JALANDHAR GT Road<br>Bypass, Jalandhar-144011 | 2020 |
| Prof. Indira Parikh 50 Women in Education<br>Leaders                          | extraordinary work and track<br>record of the achievements in<br>the field of expertise  | World education congress  | 2019 |
| Expert talk on , "Modelling and designing<br>of medical Compression Garments" | Short term course on<br>"Advancements in garment<br>technology"  | Department of Textile<br>Technology, NIT Jalandhar<br>under TEQIP III   | 2019 |
| Expert talk on "Smart and Innovative<br>Textiles"                             | Faculty Development<br>Programme on "Visual and<br>Performing Arts"  | HMV Jalandhar   | 2019 |
| Expert talk on "Speciality wound dressings<br>for specific wound types"       | Faculty development<br>programme on "Recent<br>Advancement in Biomaterials<br>and Nanotechnology for<br>Biomedical Applications"   | Department of Biotechnology,<br>NIT Jalandhar   | 2019 |
| Best paper award  | Monica Sikka, Mamta Devi<br>and Samridhi Garg, "Effect of<br>structural parameters on<br>pressure behavior of tubular<br>bandages" | International conference on<br>emerging trends in traditional<br>and technical textiles during<br>1st-3rd November, 2019 at<br>NIT Jalandhar    | 2019 |
| Chaired a plenary session   | "Advanced medical fibers and<br>their application in specialty<br>healthcare products"   | International conference on<br>emerging trends in traditional<br>and technical textiles during<br>1st-3rd November, 2019 at<br>NIT Jalandhar    | 2019 |
| Expert talk on "Medical Compression<br>Garments"                              | Faculty development<br>programme on "Product<br>Design"  | Department of Textile<br>Technology, NIT Jalandhar  | 2016 |



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| Indian expert talk on modelling of bandaging procedure using compression bandages | GIAN course on Medical Textiles and Tissue Engineering                    | Department of Textile Technology, NIT Jalandhar                   | 2016 |
| Expert talk on “Surface ornamentation of fabrics using different weaves”,         | UGC sponsored 2 day National Workshop on Surface Ornamentation of Garment | Fashion Designing Department, PCM SD College for Women, Jalandhar | 2015 |
|   |   |   |      |