

## **Endorsement from the Supervisor**

Ms. Chhavi Gangwar has researched extensively on the topic **“Application of Sugarcane bagasse fibre in Technical Textiles”** vide registration No: FOF/163, (Dated: February 20th, 2016). She conducted extensive work which has substantiated its originality. She has presented her progress of work in seminars well attended by teachers and students of department. She has successfully completed her course work.

She had an active participation as a **“MAKER”** for the innovative exhibition titled **“The Path Ahead: Agricultural Waste to textile applications”** in Maker Fest Vadodara held on 6<sup>th</sup> - 7<sup>th</sup> March 2021, on Virtual Platform.

She has personally presented two papers at the National level, one was on **“Modification of Sugarcane Bagasse Fibre”** in the 3<sup>rd</sup> Young Researchers Symposium, on **“Emerging Trends in Textile, Fibre and Polymer Research”** organized by the Department of Textile Technology, IIT, Delhi held on 15<sup>th</sup> May to 17<sup>th</sup> May 2019 and second on **“Manufacturing Non-Woven from Sugarcane Waste: A value Addition Process”** in the National Conference on **“Value Addition to Crop Residues of Natural Fibres”** organized by ICAR- CIRCOT, Mumbai, held on 4<sup>th</sup> December 2019.

The researcher participated in various poster presentations in Conferences & Seminars organized at National and International level:

- 1) She achieved an Award for Best Poster Presentation on **“Study of Sugarcane Fibres for Textile Applications”** at the 33<sup>rd</sup> Biennial Conference of Home Science Association of India (HSAI) on **“Trends for Futuristic Development in Home Science: Research and Innovation”** organized by Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, held on 22<sup>nd</sup> January to 24<sup>th</sup> January 2020.
- 2) She Presented Poster on **“Technical Textiles from Agricultural Waste”** in International Conference on **“Rediscovering Culture Transforming Fashion”** organized by National Institute of Fashion Technology (NIFT), at Indian Habitat Centre, New Delhi, held on Jan 31<sup>st</sup> - Feb 2<sup>nd</sup> 2018.

- 3) She Presented Poster on “Minor Cellulosic Fibres: Its Potential Usage” in National Conference on “Eco-Textiles and Green Consumerism” ETGC-2017 organized by Department of Textiles and Clothing (SAP-DRS I), at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu, held on 24<sup>th</sup> February 2017.
- 4) She Presented Poster on “ Exploring Sugarcane For its Use in Textiles” in National Seminar on “Recent Scenario in Science and Technology (RSST)”, organized by Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara Under DST Purse Programme held on February 27<sup>th</sup>, 2016.

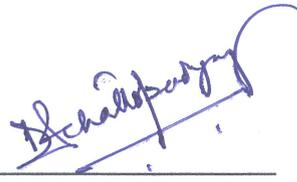
The Researcher has published One research paper and have been granted Patent for apparatus under her research:

- 1) Sugarcane waste: Adding value by developing Nonwovens, Acta Scientific Agriculture, July 2023, Volume 7, Issue 7.
- 2) Patent granted on February 20<sup>th</sup> 2023 titled “A Multi-Impeller Agitator Vessel For Fibre Extraction From Sugarcane Bagasse” Indian Patent No: 422455.



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