

NITRA NEWS

...with industry always

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Editorial Structure

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FROM DIRECTOR GENERAL'S DESK



Dear Patrons,

This time let me begin with a hope that with the vaccination process in full swing, it is only a matter of time that we all be in good health and would manage to stay protected from the outbreak of Covid-19 despite the second wave which is being witnessed in some of the states.

We are also happy to see the signs of economic recovery following which the country's GDP is also taking an upward surge beginning the later part of the year gone by. Hope this trend will continue and it will not be a long time to restore complete normalcy again as far as India's industrial activities are concerned.

It is a matter of great satisfaction that even during this trying period NITRA has been acknowledged again for contributing to the Indian textile industry. The organization has been sanctioned the patent for extraction of fibres from pine needles during this quarter. This is the result of a research project "Development of value added products from different fibres in Himalayan region", sponsored by MoT, Gol. Shri Ajay Tamta, presently the hon'ble Member of Parliament, Almora, and the then Union Minister of State for Textiles had shown keen interest in this project and encouraged NITRA to work on this area. In addition, another patent "A short manufacturing process for semi-finished and/or finished products using a loom" is also sanctioned during the reported period. With having two patents within a quarter, I feel proud that this success is the fruit of incredible efforts put in by the team of dedicated NITRA scientists.

I am also very happy to inform you that again, in spite of the highly-shrunk job-market condition post pandemic, our placement team kept working very hard and could manage to provide placement to a good number of students till March 2021. Renowned companies such as RSWM Ltd., TCS, Reliance Retails, Kusumgar Corporates, Quickclean, Innobit Systems (P) Ltd. and many more have hired talented youngsters from our academic wing NITRA Technical Campus.

To conclude, I once more remind and request you all to take every protection to avoid the Covid-19 second wave. I also hope that you will be enjoying reading **NITRA News** as usual.

Regards,

Dr. Arindam Basu
Director General

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R&D SPECTRUM

Presently, NITRA is working on eight Government and Industry sponsored projects.

Government Sponsored Projects - On-going:

- New Approaches to Reduce Water Consumption in Textile Wet Processing
- Development of Value Added Products from different fibres produced in Himalayan Region
- Development of Air Cleaner Home Textiles to Reduce Indoor Air Pollution
- Setting up of Common Effluent Treatment Plant (CETP) -150 KLD at Ajrakhpur, Bhuj
- Development of regenerated cellulosic fibres from Indian bamboo

Industry Sponsored Projects - On-going:

- Development of coat combat disruptive
- Development of Antibacterial and anti fungal properties in cotton and lotus fabric
- Development of FR knitted fabric for anti-flash hood for Indian Navy

Proposed Projects - Submitted to Government Agencies for Financial Support

- To develop protective work-wear for sewage and sanitary workers.
- Development of low cost and handy indigenous device for textile fiber and small irregular shape density measurement.
- Socio-economic development of SC/ST by providing training, technology and market to convert local resources to industrial products
- Development of Manhole Cover & Drainage Cover Slab using agriculture waste
- Development of indigenous bacterial filtration efficiency tester for surgical face mask
- Development of NCI (Natural compression imprint) Machine for textile substrate

RESEARCH PAPERS PUBLISHED/PRESENTED

S. No.	Title	Author(s)	Publication/Place	Date
1	Analysis of dust resistance property of coated and laminated fabrics using newly developed instrument	M.S. Parmar, Shweta Saxena, Sangita Saini and Durgesh Raj Maurya	Colourage, Pg. 36-43	February 2021
2	Development of a unique stab and impact resistant material for anti-riot body protector	M. S. Parmar, Neha Kapil, and Nidhi Sisodia	Book: Functional Textiles and Clothing-2020, ISBN 978-981-15-9376-5, Springer Pub: Springer Nature Singapore Pte Ltd, Pg. 55-66	January 2021
3	Study to analyze and improve anti riot body protector	M. S. Parmar, Neha Kapil, and Sangita Saini	Man Made Textiles in India, XLIX No.1(Jan. 2021):7-11	January 2021
4	Work wear fabric for cement workers	Shweta Saxena, Durgesh Raj Maurya, Sangita Saini, M.S. Parmar	Asian Textile Journal, p 46 to 51	January-February 2021

