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Textile talents present Industry 4.0, smart textile at 'Textile Science and Engineering' conference

Staff Correspondent

Bangladesh University of Textiles (BUTEX) recently hosted two day long international conference on 'Textile Science and Engineering.' Where, the conference prioritizes cutting-edge and sustainable technologies in textiles. Different papers were presented focusing on the areas of Fiber Science, Management, Fashion Design, Green Chemistry, Technical Textiles, Industrial Textiles, Industry 4.0, Smart Textiles, Nanotechnology in Textiles, Textiles and Apparel Supply Chain, Advance and Emerging Technologies, etc.

Among other 14 papers, some most interesting topics were: A study on sustainable disposal behavior of used cloths and factors towards such behavior in Bangladesh; High performance short jute fiber performance and its micromechanics in composite applications; Investigation the effect of finishing process on spirality of single jersey weft knitted fabric; Implementation of time study on hoodie production and its effect towards productivity etc.

More than 46 authors and 200 participants from different universities and organizations graced the conference. A total of 50 papers were submitted, of them, 15 papers were selected for final presentation.

Dr. Abbas Uddin Shiyak, Head of the department of Dyes



Figure 1: Bangladesh University of Textiles (BUTEX) organized a two-day international conference on 19 and 20 January titled 'International Conference on Textile Science and Engineering', which will be helped with the transition to slow fashion.

and Chemical Engineering, BUTEX said, "A total of 15 papers have been selected in five categories. The conference will encourage young researchers to bring about evolutionary development in the textile sector of Bangladesh. The conference will play a great role to share knowledge and enhance our intellectuality."

Home Minister Md. Asaduzzaman Khan Kamal and Education Minister Dipu Moni were present as the chief guest respectively on 1st and 2nd day of the conference. The conference was presided over by Professor Md. Abul Kashem, Vice-Chancellor, BUTEX and Conference Chairman of

ICTSE-2022 where Dr. Bijoya Kumar Behera, Professor, Department of Textile and Fiber Engineering, Indian Institute of Technology (IIT) delivered the key note speech." On the first day of the conference on January 19, Member of Parliament Engineer Mozaffar Hossain; Professor Dr. Hosna Ara Begum, Head, Department of Yarn Engineering, BUTEX; Prof. Dr. Shah Alimuzzaman, Dean of the Faculty of Textile Engineering, BUTEX; Prof. Dr. Mohammad Ali, Director of Executive Development Program and Ex-Dean, Faculty of Textile Management and Business Studies, BUTEX were present among others.

On second day of the conference BUTEX Prof. Dr. Md. Zulhash Uddin, Prof. Dr. Md. Mashiur Rahman Khan, and Prof. Dr. Ummul Khair Fatema conducted three technical sessions and completed the technical session slots. Prof. Dr. Bijoya Kumar Behera conducted another session on '3D Weaving and Technical Application' on the day. Dr. Abu Sadat Muhammad Sayem, Principal Investigator of AHRC Digital Fashion Project, Manchester Metropolitan University, UK conducted a session on 'Textile and Fashion Research: Challenges and Opportunities'.

Brands join to reduce textile waste in Spain

Rahbar Hossain

The Association for Textile Trash Management was established by Decathlon, H&M, Ikea, Inditex, Kiabi, Mango, and Tendam with the goal of lowering the quantity of waste generated by the Spanish clothing and footwear sector. The group wants to improve textile recycling in the region by collaborating with the Collective System of Extended Producer Responsibility (SCRAP) rules and encouraging

a circular economy by creating waste management strategies. According to the organization, joining would make it easier to comply with SCRAP's standards, also the law goes into force in December 2024, local groups will have been compelled to start sorting their textile waste. There will be a three-year grace period before the law is enforced during which time the Ministry for Ecological Transition and

Demographic Challenge (MITECO) will develop systems of expanded producer responsibility for textiles.

Also, by the partnership, they will enable compliance with Extended Producer Responsibility, which arose from the implementation of Directive 2008/98/EC regarding waste in Spanish legislation through the new Law 7/2022, of April 8, on waste and contaminated soils for a circular economy.



Figure: Mango will serve as the group's initial leader, with one representative from each company sitting on the Governing Body.

For Full Story: <https://ff.textiletoday.com.bd/brands-join-reduce-textile-waste-spain/>

AUST and Urmi Group join hands to strengthen ties between industry-academia

AUST Correspondent

A Memorandum of Understanding (MoU) was signed between the department of Textile Engineering of AUST and Urmi Group on 11th January 2023 at AUST Campus to form a strategic partnership aiming to initiate research and development in the field of textile engineering, arrange the industrial training program, and internship of the final year students of DTE.

The partnership will explore


and expand the horizon of corporate social responsibilities through DTE, AUST. The unitedly agreed efforts are spearheaded towards accomplishing highly ambitious and mutually beneficial envisioned achievements of both renowned organizations. Asif Ashraf, Managing Director of Urmi Group, Biplob Barua, General Manager of Strategic HR, Urmi Group Prof. Dr. Mustafizur Rahman, Treasurer, and Prof. Dr. Lal

Mohan Baral of AUST signed the MoU on behalf of Aust of their respective organizations. Prof. Dr. Muhammad Fazli Ilahi, Vice-Chancellor, Prof. Dr. Mohammed Mahbubur Rahman, Pro Vice-Chancellor, and other faculty members of AUST were present during the MoU signing ceremony. Also, Shamarukh Fakhruddin, The Director of the Urmi Group, and Ruhul Quddus, Head of the Textile Business Unit were present at this auspicious program.



Figure: MoU Signing Ceremony between the department of Textile Engineering, AUST and Urmi Group.

For Full Story: <https://www.textiletoday.com.bd/aust-urmi-group-join-hands-strengthen-ties-industry-academia/>



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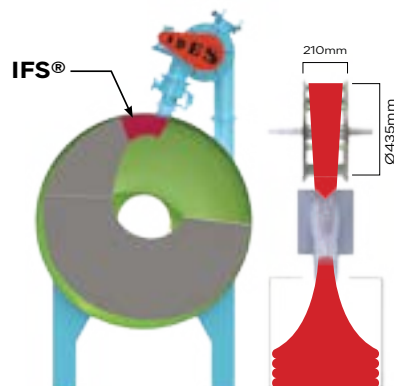
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Elon University's students ties with Burlington to develop sustainable dyes

A Zaman

In order to create natural, sustainable dyes, a group of engineering students from the US-based Elon University is working with the department store retailer Burlington's Solid State Clothing and TS Designs. As part of a research methodology project, junior-level engineers are evaluating several dye preservation techniques for four materials. For this, the group is using the skins of pomegranate, Osage orange, black walnut, and madder roots to extract dye. These extracts will be applied to T-shirt material provided by Solid State after being freeze dried, frozen, chilled, incubated, and stored at room temperature. The engineers will



Figure: The group is using the skins of pomegranate, Osage orange, black walnut, and madder roots to extract dye.

next contrast and analyze how those procedures differ in terms of coloration and dye quality, reads Elon University's website.

For Full Story: <https://ff.textiletoday.com.bd/elon-universitys-students-ties-burlington-develop-sustainable-dyes/>

Patagonia partners with Samsung to reduce microplastics

US Sampa

Samsung and Patagonia have teamed up to fight the microplastics that are produced throughout the textile and laundry processes. In comparison to other sustainability initiatives like water-saving devices, washing garments has not gotten the same awareness campaign as microplastics yet. Microplastics from clothing made of stretchable denim, fleeces, nylon, and polyester wind up in rivers when synthetic textiles are washed. Numerous polymers are released by even

delicate cycles. In that case, adding filters for washing machines and protective laundry bags are just some of the solutions that are now available to help capture some of the microplastics released during washing. According to Samsung, together with Patagonia the companies are working on a feasible, effective and expandable way to combat the microplastics that result from textiles and laundry. Samsung is designing new machines that minimise the impact of microplastics.



Figure: Samsung and Patagonia have teamed up to fight the microplastics that are produced throughout the textile and laundry processes.

For Full Story: <https://ff.textiletoday.com.bd/patagonia-partners-with-samsung-to-reduce-microplastics/>

NZ DENIM showcases innovations, new ideas at Kingpins New York

Sayed Abdullah

NZ Denim Ltd. a concern of NZ Tex Group from Bangladesh took the stage at the world's most prestigious platforms for information, ideas, and innovation network for the denim industry – Kingpins New York – and showcased its latest SS24 Denim collections at Kingpins New York with its Spring-Summer24 Denim collections which concluded on 13 January. In the two-day prestigious event, denim players across the supply chain presented their innovations and projects being developed for this

show. World-class NZ Denim has an in-house weaving plant. European weaving looms are of the highest quality. Those can operate at more than 90% efficiency, feeding fabric processing and dye houses in excess of real demand. NZ Denim Ltd. has always embraced unique innovations, acclimated to new technologies, and empowered and invested in the industry's talents. NZ desires constantly to enhance its impact on the people and planet and commit to UN Sustainability Development Goals.



Figure: NZ Denim Ltd. showcases innovations, and new ideas at Kingpins New York with its SS24 Denim collection.

For Full Story: <https://www.textiletoday.com.bd/nz-denim-showcases-latest-ss24-denim-collections-kingpins/>

Biotex demonstrates high-tech finishing chemicals at Istanbul Interdye

Desk Report

Biotex — a leading Asian provider of high quality chemicals to the textile and related industries with international partnerships – took part at the Interdye & Textile Printing Eurasia Exhibition held at Istanbul Expo Center during 24-26 November 2022. Interdye & Textile Printing Eurasia has become the new stop of textile finishing, dyeing and printing technologies in Eurasia. Interdye Turkey closed with strong international presence and high visitor satisfaction. Interdye & Textile Printing Eurasia Exhibition is carrying its mission to develop textile finishing, dyeing and printing solutions in Eurasia Region, to bring together the best of the industry, to strengthen their existing relations, to develop



Figure: Biotex took part at the Interdye & Textile Printing Eurasia Exhibition held at Istanbul Expo Center during 24-26 November 2022.

business contacts, to provide new commercial relations and to create a platform where visitors can achieve all their sectorial needs under a single roof. "We are truly grateful to all our partners who have given importance to our work by spending part of their time in our booth. The curiosity and the interest shown have, once again, demonstrated that our efforts and initiatives produce value in the textile chain," thanking their partners and visitors Biotex stated this.

For Full Story: <https://www.textiletoday.com.bd/biotex-demonstrates-high-tech-finishing-chemicals-istanbul-interdye/>



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BGMEA and SOWTEX Phygital to connect Bangladeshi-Indian apparel and textile traders

Arif-Uz Zaman

As Bangladesh is looking to increase RMG exports, another memorandum of understanding (MoU) has signed between BGMEA and SOWTEX to increase the collaboration between Indian fabrics and value-added material suppliers and Bangladesh's RMG manufacturers, particularly in the area of Man Made Fibers and cotton-based materials using SOWTEX

Phygital (physical and digital bridge) Sourcing platform. The platform offers connect and facilitation support to large textile supply chain from India and other countries. It will also create opportunities to increase Bangladesh's RMG exports to India. BGMEA President Faruque Hassan and CEO of Sowtex Network Sonil Jain inked the MoU on behalf of their respective sides.

Chair of BGMEA Standing

Committee on Press, Publication and Publicity Shovon Islam was present at the signing ceremony held in Dhaka on January 11. SOWTEX -BGMEA are in the process of arranging collaborative roadshows in Indian textile clusters along with other textile associations with BGMEA top manufacturing members and large Indian raw materials manufacturers in several cities in India.



Figure: BGMEA President Faruque Hassan and CEO of Sowtex Network Sonil Jain inked the MoU on behalf of their respective sides.

For Full Story: <https://www.textiletoday.com.bd/bgmea-and-sowtex-phygital-to-connect-bangladeshi-indian-apparel-and-textile-traders/>

LoveShackFancy launches activewear collection for women

N Tania

Womenswear brand LoveShackFancy launched their first branded collection of activewear. After successful collaborations with Beach Riot and Bandier, the fashion and lifestyle brand is branching out on its own with its first curated line of performance wear that merges its feminine signature floral prints with high-quality activewear.

The debut collection consists of nine styles for "girls on-the-go" including sports bras, leggings,

biker shorts, tanks, athletic dresses and skirts, in three prints: a pink floral, a vibrant blue hibiscus, and a cream, neutral bouquet.

The breathable, light fabric used to create the activewear items, which is a blend of 72% nylon and 28% spandex, is intended to provide a comfortable yet refined elevated design customized to the wearer's movement. The pieces are intended for low-impact and high-intensity

workouts, leisurewear for lounging, and for going out, LoveShackFancy said in the press release. Rebecca Hessel Cohen, founder and creative director at LoveShackFancy said, "Launching active has been a dream of mine for so long. So many of our customers are always on the go, whether that's attending a workout or running around the city, and we want our girls to be able to wear their florals, and feel confident everywhere they are."



Figure: Womenswear brand LoveShackFancy launched their first branded collection of activewear.

For Full Story: <https://ff.textiletoday.com.bd/loveshackfancy-launches-activewear-collection-women/>



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Festive Designer Exhibition to begin from 8 April, focusing womenswear

Yeasin Miah

Business-to-consumer trade show Vimonisha will host the Festive Designer Exhibition from April 8 to 9 in Chennai. The Folly in Amethyst Boutique will host the event with a womenswear focus. The next Vimonisha will include product categories including ethnic fashion, traditional wear, occasion wear, fusion wear, accessories, jewelry, and home décor.

The event's main focus will be bridal attire for the forthcoming spring wedding, and it will feature companies from the premium and bridge-to-luxury market categories, a news said. Vimonisha Exhibitions' CEO Monisha Gidwani said, "There are two segments of buyers in any economy. One is bargain hunters who will shop wherever they get a good deal; and the second, discerning, quality conscious clients who



Figure: For the past 30 years, Vimonisha has organized fashion shows with a focus on elevating luxury womenswear businesses.

indulge in differentiated luxury brands.

"Accordingly, 2023 will see a lot more brand aggregation platforms, specialized niche marketing, and other experiential shopping behavior. To communicate their USP and reinvent their brand offerings because the post-Covid consumer has evolved and believes in sustainable fashion, recycling, upcycling, and in the concept of less is more.

For Full Story: <https://ff.textiletoday.com.bd/festive-designer-exhibition-begin-8-april-focusing-womenswear/>