Manuscript Title: Hemp: A Futuristic Medical Textile

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Short Biography of Presenting Author (not more than 150 words):

Shohag Chandra Das is currently working as a Teaching Assistant at the Department of Chemical Engineering, Bangladesh University of Engineering and Technology. He completed his undergraduate studies in the department of Wet Process Engineering at Bangladesh University of Textiles. During his undergraduate years, he served as a Research Assistant from 2019 to 2022 at BUTEX.

After graduation, he joined as a Graduate Research Assistant at the Department of Dyes and Chemical Engineering, BUTEX, and worked until the end of 2023. He is the founder of the Multidisciplinary Medical Textiles (MMT) Research Group and has successfully completed approximately 20 research projects. His research areas include Medical Textiles, Biomaterials, polymer science, and tissue engineering.

Shohag C. has outstanding collaboration experiences with Sher-e-Bangla Agricultural University, Centre for Advanced Research in Sciences (CARS), Institute of National Analytical Research and Services (INARS), Bangladesh Council of Scientific and Industrial Research (BCSIR), among others.

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Dr. Mohidus Samad Khan is a prominent industrial expert, innovator, and academician with years of experience in biotechnology, chemical, environmental engineering and industrial sustainability research, management and consultancy with distinguished achievements across the globe.

Dr. Khan completed his B.Sc. in Chemical Engineering (2004) from BUET. From 2004 to 2006, he worked as a Research Engineer in an international pollution abatement project funded by DFID (UK), USAID (US), Department of Env (DOE), and Government of Bangladesh. Starting in 2006, Dr. Khan completed his PhD in 2010 in Bio-Surface and Biotechnology Engineering from Department of Chemical Engineering, Monash University, Australia. From 2010 to 2013, he worked as a post-doctoral fellow in the Department of Chemistry at McGill University, Montreal, Canada. In November 2013, Dr. Khan joined Department of Chemical Engineering, BUET as a full-time faculty memb

In April 2020, Dr. Khan started working as National Consultant for Identification of Local Options for Quality Testing of Personal Protective Equipment (PPE) during COVID-19 Pandemic, WHO. From November 2020 to December 2021, he worked as a Member of Technical Advisory Group, Access to Medicines and Health Products Division, WHO Geneva (HQ).

In June 2021, he joined Beximco Group as a Director. In Beximco, Dr. Khan is pioneering the textile industry as Chief Sustainability Officer of Beximco Limited, and Head of Operations at Beximco Health and PPE.

Dr. Khan has shown remarkable expertise in both academia and industry for years. His work interests include biotechnology, cleaner production options, project management, industrial sustainability and pollution control.