



S M Kamrul Hasan

Textile Engineering

Bio

S M Kamrul Hasan is an accomplished academic and researcher in the field of textile engineering and technology. He was born in 1985 and completed his Bachelor of Science in Textile Engineering in 2008 from the College of Textile Engineering and Technology at the University of Dhaka (currently known as BUTEX). After completing his undergraduate studies, S M Kamrul Hasan went on to pursue his Master's degree from Donghua University in China, where he was a winner of Chinese Govt. Scholarship. During his time at Donghua University, he focused his research on advanced textiles and materials. Upon completing his Master's degree, S M Kamrul Hasan returned to Bangladesh and joined the National Institute of Textile Engineering and Research (NITER) as an assistant professor. He quickly became a valued member of the NITER faculty and established himself as an expert in the field of functional textiles, protein-based nanofiber synthesis, flexible biosensors, tissue engineering scaffolds and drug delivery.

S M Kamrul Hasan's research is highly regarded within the academic community and has been published in several peer-reviewed journals. He is also a sought-after speaker and has presented his research at numerous conferences and symposiums around the world. Aside from his academic pursuits, S M Kamrul Hasan is also involved in several community initiatives aimed at promoting education and scientific advancement in Bangladesh. He is a strong advocate for increased investment in scientific research and technology, and believes that innovation and research will be the key drivers of Bangladesh's economic growth in the coming years.

Overall, S M Kamrul Hasan is a highly respected academic and researcher who has made significant contributions to the field of textile engineering and technology. His passion for innovation and scientific research has inspired countless students and researchers, and his work will continue to impact the field for years to come.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
MSc	Textile Engineering	Donghua University	China	2016
BSc	Textile Engineering	BUTEX	Bangladesh	2008

Experience

Job Title	Organization	Location	From Date	To Date
Assistant Prof.	NITER	Savar, Dhaka	01.09.2021	Till Now
Assistant Prof.	Daffodil International University	Ashulia	05.04.2016	30.08.2016

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicator)
Nanofiber synthesis	Synthesis of Nanofibers by means of different techniques. For example- electrospinning, thermally induced phase separation etc.	tissue engineering scaffolds and drug delivery
Biosensors	Development of textile based flexible mechanical or electro-chemical biosensors	Biomedical Applications

Project/Research Supervision

Level of Study	Title	Supervisor	Co-Supervisor(s)	Name of Student(s)	Area of Research	Current Completion
MSc	Effect of AgNO ₃ on electrical conductivity of polystyrene coated cotton knit fabric	Supervisor			Sensor applications	ongoing
BSc	Development of hydrophobicity in denim fabrics by means of candle wax/starch coating	Supervisor			Functional textiles	completed

Project/Research Work

Subject	Project Name	Source of Fund	From Date	To Date	Collaboration
Medical Textiles	Development of protein nanofibers as tissue engineering scaffold with high drug loading efficiency	Fundamental Research Funds for the Central Universities (KLTST201404, 2232015D3-02, ERCTT project 15D10133)	01.10.2013	21.03.2016	Donghua University of China and Quanzhou Normal University of China

Invited Talk

Serial No.	Invited Talk
1	'Sino-Africa International Symposium on Textile and Apparel 2015' organized by Donghua University of China and Moi University of Kenya
2	'Donghua University International Summer school 2016'

Membership

Collaboration & Membership Name	Type	Membership Year	Expire Year
ITET	General Member	2008	2016

Publications

Journal Article

SL. No-	Article Name	Link
1	Sustained Local Delivery of Diclofenac from Three-Dimensional Ultrafine Fibrous Protein Scaffolds with Ultrahigh Drug Loading Capacity	https://www.mdpi.com/2079-4991/9/7/918
2	Phase Separated Fibrous Structures: Mechanism Study and Applications	https://pubs.acs.org/doi/full/10.1021/bk-2014-1175.ch008
3	Statistical approach to figure out linear relationships among different quality parameters of various weft knitted fabrics	https://www.ijsrp.org/research-paper-0713.php?rp=P191474

Conference Proceedings

SL. No-	Paper Name	Link
1	Ultrafine fibrous 3D scaffolds via ultra-low concentration phase separation technique from silk fibroin and fibrinogen	Sino-Africa International Symposium on Textile and Apparel 2015
2	Water stable Gelatin/EGDE 3D Ultrafine Fibrous Scaffolds for Tissue Engineering	Sino-Africa International Symposium on Textile and Apparel 2020

Award

Award Type	Title	Year	Country	Description
Scholarship	CGS	2013	China	Scholarship for MSc study
Culture Ambassador	Jing Wei Culture Ambassador	2017	China	Outstanding contribution in the intercultural exchange project titled ‘Around the globe’

Contact

Academic

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Institute – Faculty

Name of the Department: Textile Engineering

Position: Assistant Professor