



Department of Electrical and Electronic Engineering
Khulna University of Engineering & Technology
Khulna - 9203, Tel:041-769471 (191); Fax :041-774403



Dr. Md. Tawabur Rahman

Professor

Research

Area Electrochemical/Chemical/Bio/Optical Sensors, Microfabrication & Characterization, 2D Materials (Graphene, TMDCs, etc.), Perovskite Solar Cells, MOSFETs, and Nanotechnology.

Biography

I am Dr. Md. Tawabur Rahman, currently working as a Professor in the Department of Electrical and Electronic Engineering (EEE) at Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh. I received PhD in Electrical Engineering from South Dakota State University, USA. I've also received both BS and MS in Electrical and Electronic Engineering from KUET. My research is focused on Electrochemical/Chemical/Bio/Optical Sensors for human health, environment, and agricultural applications. Besides sensors, I am working on microfabrication & characterization, 2D materials (Graphene, TMDCs, etc.), perovskite solar cells, MOSFETs, and nanotechnology. Please feel free to contact me if you have any questions. My research has been published as scholarly articles in peer-reviewed journals including Advanced Functional Material, Sensors and Actuators B: Chemical, IEEE Sensors Journal, ACS Applied Materials & Interfaces, ACS Applied Energy Materials, ACS Applied Nano Materials, etc.

*To know further about the ongoing research projects, group members, and collaboration, please visit [Photonics Group KUET!](#)

Google Scholar Link <https://scholar.google.com/citations?user=Js5iGtsAAAAJ&hl=en&authuser=1>

Researchgate <https://www.researchgate.net/profile/Md-Tawabur-Rahman>

Education

PhD in Electrical Engineering

South Dakota State University, (2020)

Thesis Title: [Two-Dimensional Nanomaterials and Their Composites for Electrochemical Detection of Toxic Mercury Ions in Water](#)

M.Sc. Eng. (EEE)

Khulna University of Engineering & Technology, Bangladesh (2012-2014)

Thesis Title: [Theoretical Performance of MOSFET with Graphene Channel](#)

B.Sc. in Electrical & Electronic Engineering

Khulna University of Engineering & Technology, Bangladesh (2007-2011)

Service Records

- **Professor**
Department/Section: EEE
Khulna University of Engineering & Technology Organization Type: From 2024-06-25 00:00:00 to 1970-01-01 06:00:00
- **Associate Professor**
Department/Section: EEE
Khulna University of Engineering & Technology From 2022-12-15 00:00:00 to 2024-06-24 00:00:00
- **Assistant Professor**
Department/Section: EEE
Khulna University of Engineering & Technology From 2014-07-12 00:00:00 to 2022-12-14 00:00:00
- **Lecturer**
Department/Section: EEE
Khulna University of Engineering & Technology From 2012-01-01 00:00:00 to 2014-07-11 00:00:00

Research Interest

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For more details, please visit
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