

# SUDIP DEY DIPTA

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## EDUCATION:

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**Bachelor of Science in Materials Science and Engineering** **01/2020-ongoing**

Khulna University of Engineering and Technology, Khulna, Bangladesh CGPA: 3.49/4.00

## RESEARCH INTEREST:

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- **Scientific Approaches:** Perovskite, Semiconductor, Solar Cell, Nanotechnology, Computational materials science, Atomistic Simulation
- **Techniques and Tools:** Molecular Dynamics (MD) simulation, Density Function Theory (DFT)

## RESEARCH EXPERIENCE:

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### Journals

1. Silvina Siddika Shifa, Md Mehedi Hasan Kanok, Mohammad Salman Haque, Tipu Sultan, Kanij Fatema Pritha, Mubasshira, Maruf Al Yeamin, **Sudip Dey Dipta**, Influence of heat treatment and water absorption on mechanical properties of cotton-glass fiber reinforced epoxy hybrid composites: An eco-friendly approach for industrial materials, Hybrid Advances, Volume 5, 2024,100181, ISSN 2773-207X, <https://doi.org/10.1016/j.hybadv.2024.100181>

### Conference

1. **Sudip Dey Dipta**, Wasif Abu Dujana, Jesia Alam Jui, Riyad Kawsar, Numerical Study of Rb and K based Lead Free Double Perovskite Solar Cell Using SCAPS-1D, ICMEAS-2025. (accepted)

## SKILLS:

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- **Programming Language:** Python
- **Technical Skill:** VESTA, Materials Studio, LAMMPS, OVITO SOLIDWORKS, CES Edupack, AutoCAD, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, SCAPS

## KEY ACHIEVEMENTS:

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- **1st Runner Up** at poster presentation in Calibration 1.0 organized by Department of Mechatronics Engineering, KUET
- **Finalist** at BizBash 2.0 organized by KUET Career Club
- **Semi Finalist** at CaseSpeces 1.0 organized by Spectrum
- **Semi Finalist** at CaseSpeces 2.0 organized by Spectrum
- **Semi Finalist** at 4th JUSTDC Fundraiser Debate Tournament 2023
- **Semi Finalist** at GRIPP DUDS South Asian Debating Championship 2022

## PROFESSIONAL EXPERIENCE:

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- **KUET Career Club (KCC)** – Vice President (2024-2025)  
Organized A National IDEA Case Competition “BizBattle” and some seminar on guideline to higher studies named “From Undergraduate to Abroad: Mastering the Art of Funded Graduate studies” which were so much engaging and around 1000+ participants participated here. Managed sponsorship successfully though faced many difficulties.
- **KUET Debating Society (KDS)**- Vice President (2024-2025)  
Arranged 10+ On campus debating fest as an organizer and attended many national debate championships in country and outside the country. Debated in “GRIPP DUDS South Asian Debate Championship” and end the run as a semifinalist and won many national fests in country which helped me to grow critical thinking, analyzing power and leadership.
- **KUET Sanatana Society** – Vice President (2024-2025)  
Organized many religious festive in campus of Hindu rituals.
- **Chittagong Association of KUET**- Vice President (2024-2025)  
Gathered many students of same origin in campus and make them feel comfortable with us to maintain our original vibes in our life to heal about the family.
- **Fazlul Haque Hall Committee**- Cultural Secretary (2024-2025)  
Arranged an annual feast with cultural program and controlled hall dinning as a dinning manager in October 2024. Encouraged hall students to maintain the hall environment peaceful and study friendly.
- **KUET Photographic Society (KUETPS)**- Head of External Affairs (2024-2025)  
Captured many realistic and eye-catching photographs as it was my hobby and won many prize for the best photo clicked.
- **MetaMaterials Club of KUET(MMCK)**- Head of Media (2024-2025)  
Lead the media team to make publication of the new formed club and successfully organized an international event “MSE Cube Rush” and organized many seminars related with out core subject materials science.

## REFERENCES:

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**Jahirul Islam**

Assistant Professor

Department of Materials Science and Engineering

Khulna University of Engineering and Technology

**Dr. Md. Shahidul Islam**

Head of The Department

Department of Materials Science and Engineering

Khulna University of Engineering and Technology