



## Biography

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### Sumon Deb Nath

Assistant Professor

**Research Area** Plasma polymerized thin films Heavy metals pollutions

## Education

### Master of Philosophy

Bangladesh University of Engineering & Technology, Bangladesh (2014-2017)

**Thesis Title:** [Study of the Optical Properties and DC Electrical Carrier Transport on Thin Films of Plasma Polymerized Methyl Acrylate](#)

### Masters of Sciences

Jahangirnagar University, Bangladesh (2008-2009)

**Thesis Title:** [Estimation of pH, TDS and Trace Element of Water in Some Areas of Dhaka District](#)

### Bachelor of Sciences

Jahangirnagar University, Bangladesh (2004-2008)

## Service Records

- **Assistant professor**  
**Department/Section:** Physics  
**Khulna University of Engineering & Technology** From 01-01-1970 to 01-01-1970  
Working Area: Solid State Physics
- **Lecturer**  
**Department/Section:** Physics  
**Khulna University of Engineering & Technology** From 01-01-1970 to 01-01-1970  
Working Area: Solid State Physics
- **Senior Lecturer**  
**Department/Section:** Basic Sciences  
**World University of Bangladesh** From 01-01-1970 to 01-01-1970  
Working Area: Physics

## Research Interest

Plasma polymerized thin films

Heavy metals pollutions

## Publication

### Books

### Journals

4. Nath, S., Choudhury, T. and Sinha, R. (2021), "Investigation of Heavy Metals in Jahangirnagar University Lakes Water in Bangladesh," **Environmental & Analytical Toxicology**, Hilaris Publications, vol11, no.S6, pp.1-5
3. Sikder, A. S., Nath, S. and Sikder, S. (2020), "[PDF] from banglajol.info Influence of Annealing Temperature on the Crystallization Kinetics of Fe<sub>82</sub>Si<sub>8</sub>B<sub>10</sub> Amorphous Ribbon," **Journal of Engineering Science**, KUET, vol11, no.1, pp.107-112
2. K. N., Roy, P., Hossain, M., Nath, S., Khan, M. and Sikder, S. S. (2019), "Study of the Influence of Lanthanum (La) Substitution on the Structural and Transport Properties of Cu-Zn Ferrite (Cu<sub>0.15</sub>Zn<sub>0.85</sub>LaxFe<sub>2-x</sub>O<sub>4</sub>) Synthesized By Solid State Reaction," **Journal of Engineering Science**, KUET, vol10, no.2, pp.79-84
1. Nath, S., Choudhury, T. and Sinha, R. (2017), "An investigation of pH, TDS and trace elements of water in Buriganga river, Bangladesh," **International Journal of Sciences & Applied Research**, SOFTLINK Publication Network, vol4, no.11, pp.24-33

### Conference

6. Tisa, S. Y., Nath, S. D., Sikder, A. S. S. a. S. S. and (2021), "Crystallization kinetics of Fe<sub>30</sub>Ni<sub>50</sub>B<sub>20</sub> amorphous ribbon with different annealing holding time," **International Conference on Science and Technology for Celebrating the Birth Ceremony of Bangabandhu (ICSTB-2021)**, BCSIR
5. Sikder, A. S., Nath, S. D. and Sikder, A. S. S. (2021), "Effect of Annealing Holding Time on Crystallization Behaviour of Fe-based Amorphous Ribbon," **International Conference on Science and Technology for Celebrating the Birth Ceremony of Bangabandhu (ICSTB-2021)**,

BCSIR

4. Sikder,A. S. , Nath,S. D. , Liba,S. , Hoque,S. M. and Sikder.,M. I. K. a. S. S. (2020) , "Study of The Crystallization Kinetics and Soft Magnetic Properties of Fe<sub>82</sub>Si<sub>8</sub>B<sub>10</sub> Amorphous Annealed Ribbon," **International Conference on Physics-2020** , Bangladesh physical Society
3. Tisa,S. Y. ,Nath,S. D. and Sikder,A. S. S. a. S. S. (2020) , "Thermal Stability and Crystallization Kinetics of As-cast Ni-Based (Fe<sub>50</sub>Ni<sub>30</sub>B<sub>20</sub>) Soft Magnetic Metallic Ribbon," **International Conference on Physics-2020** , Bangladesh physical Society
1. Nath,S. D. , Sikder,A. S. , Das,H. N. , Hoque,S. M. and Sikder.,M. I. K. a. S. S. (2020) , "Study of the Structural and Transport Properties of Fe<sub>82</sub>Si<sub>8</sub>B<sub>10</sub> Amorphous Annealed Ribbon," **International Conference on Physics-2020** , Bangladesh physical Society
1. Bhuiyan.,S. D. N. a. A. and ,(2018) , "Understanding the charge carrier conduction mechanism of plasma polymerized methyl acrylate thin films under DC electrical studies," **International Conference on Weather Forecasting and Advances in Physics: Bangladesh Perspective** , Department of Physics, KUET