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## Mr. Sagar Dutta

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### Lecturer, Institute of Natural Sciences (INS)

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- Publication

### Publication

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#### Journal Papers

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2025## Computational and Experimental Approach to La<sup>3+</sup> Doping at the B-Site of BiFeO<sub>3</sub>: Insights into BiFe<sub>0.90</sub>La<sub>0.10</sub>O<sub>3</sub> multiferroic Computational Methods Publication: Chemical Engineering Journal Advances Author List: M. R. Hassan, Angkita Mistry Tama, Md. Sarowar Hossain, M. Bhuyan, Sagar Dutta, Tusar Saha, Gourab Kumar Roy

### Improved Matching Impedance Detected by Magneto-Dielectric Coupling in Bi<sub>1-x</sub>Y<sub>x</sub>FeO<sub>3</sub> ceramics for Wave Guided Antenna

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Applied Physics Publication: Ceramics International Author List: Md. Masud Parvez, Md Razibul Hasan, Sagar Dutta, Md Kamrul Hassan, Md. Sarowar Hossain, Tusar Saha, M. Bhuyan, M. D. Hossain 2023## Enhancement of dielectric properties and conduction mechanism in BaTi<sub>0.85</sub>Sn<sub>0.15</sub>O<sub>3</sub> for energy storage application Applied Physics Publication: Journal of Energy Storage Author List: Md. Sarowar Hossain, Angkita Mistry Tama, Md. Masud Parvez, Sagar Dutta, M. S. Ali, M. A. Hakim, Humayra Ferdous 2021## Nanostructured LaFeO<sub>3</sub>-MoS<sub>2</sub> for efficient photodegradation and photocatalytic hydrogen evolution Applied Physics Publication: Materials Science and Engineering B Author List: Subrata Das, Sagar Dutta, M. A. Basith, Angkita Mistry Tama 2019## MoS<sub>2</sub> nanosheet incorporated  $\text{Fe}_2\text{O}_3/\text{ZnO}$  nanocomposite with enhanced photocatalytic dye degradation and hydrogen production ability Applied PhysicsEnergy Publication: RSC Advances Author List: Angkita Mistry Tama, Sagar Dutta, Md. Nurul Islam, M. A. Basith, M. Bhuyan, Subrata Das

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