



INDIAN SCIENCE NEWS ASSOCIATION

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Students Award on Basic Science Research

Indian Science News Association (ISNA) with generous donation received from Professor Mrinal K. Dewanjee, USA, is inviting nomination from XI and XII standard students for **two awards-one in Physical Science and the other in Life Sciences**. Each award contains a cash prize of Rs. 10,000.00 (Rupees ten thousand) and a certificate.

Procedures

- i. A write-up on a proposal (no more than 2000 words) on the **Importance of Basic Science Research including Translational Research** and their impact on Society is to be submitted to the Honorary Secretaries, Indian Science News Association, 92, A.P.C. Road, Kolkata 700009.
- ii. Applicants must be residents of West Bengal.
- iii. Applicants must have scored at least 85% average marks in Science subjects in Class X of the Board examinations.
- iv. Application should be forwarded through the Head of the Institution.
- v. Last date of receiving applications is **27th September, 2023**.
- vi. The write-up will be screened by an expert committee appointed by the competent authority.
- vii. Selected candidates would have to present the proposal stated in the write-up before an Expert Committee, as decided by the competent authority.
- viii. Awardees are required to deliver a powerpoint presentation during the Award-giving ceremony.

Brief Profile of Professor Mrinal K. Dewanjee

Prof. Dewanjee completed his M.Sc. in Chemistry from Dakha University (Bangladesh) and Ph.D. in nuclear chemistry/physics from McGill University, Canada. In early 1970s, Dr. Dewanjee was the humble beneficiary of "Lab Bench-to-Bedside" Translational Research from NIH on developing the radioactive tracers for noninvasive imaging and measuring tools in cardiovascular diseases (Myocardial infarct [MI]-Heart attack) at Harvard Medical School, Boston, coronary thrombosis (Mayo Clinic, Rochester, MN) and platelet emboli in neurovascular disease (Stroke; Brain attack, University of Miami, FL) in animal models with clinically relevant endpoints. He made the algebraic equation for measuring the platelet density on injured walls of artery and artificial surface of cardiovascular prostheses. After getting Federal Drug Administration's (FDA), USA, approval with preclinical evaluations, they used the noninvasive nuclear imaging methods for imaging site of MI and arterial platelet-thrombi and evaluated the effect of several platelet-inhibitors in animal models and patients (Aspirin, Plavix, Prostacycline and recombinant Hirudin). He also measured the platelet emboli in brain from carotid injury and showed the linear relation of shear and platelet fragmentation. At present Dr. Dewanjee is an Honorary Guest Scientist at Neurobiology, Neurodegeneration & Repair Laboratory, National Eye Institute, National Institutes of Health, USA. His present interest is on Neuronal Synapse, Longevity and STEM Cell Research, one of the latest and advanced biomedical research arena to treat some of the deadly diseases, e.g., stroke, retinal blindness, Alzheimer's and Parkinson's diseases.

Honorary Secretaries, ISNA

**APPLICATION FOR
STUDENT AWARD ON BASIC SCIENCE RESEARCH**

1.	Name of the Student	
2.	Father's Name	
3.	Guardian's Name	
4.	Address, Phone and e-mail ID	
5.	Date of Birth	
6.	Class (with stream) as on 22 nd September, 2023	
7.	Percentage of average marks in Science subjects in Class X of the Board examination.	
8.	Name of the present School / Institution with address, e-mail ID and phone number	
9.	Have you received any other awards? If so, mention details.	
10.	A write-up (2000 words) in English or Bengali, with a Title of it, on the 'Importance of Basic Science Research Including Translational Research and Their Impact on Society'.	

Declaration:

I hereby declare that the information furnished above by me is true and correct and that the enclosed essay is an original writing of mine and I will abide by the terms and conditions of the competition.

Signature of the student with date

Certificate

Certified that the student, named above, is a bonafide student of this Institution which is a Government / Government-aided and recognized School / Institute and the particulars furnished above have been verified from relevant records and are correct.

Signature of the Head of the Institute with seal