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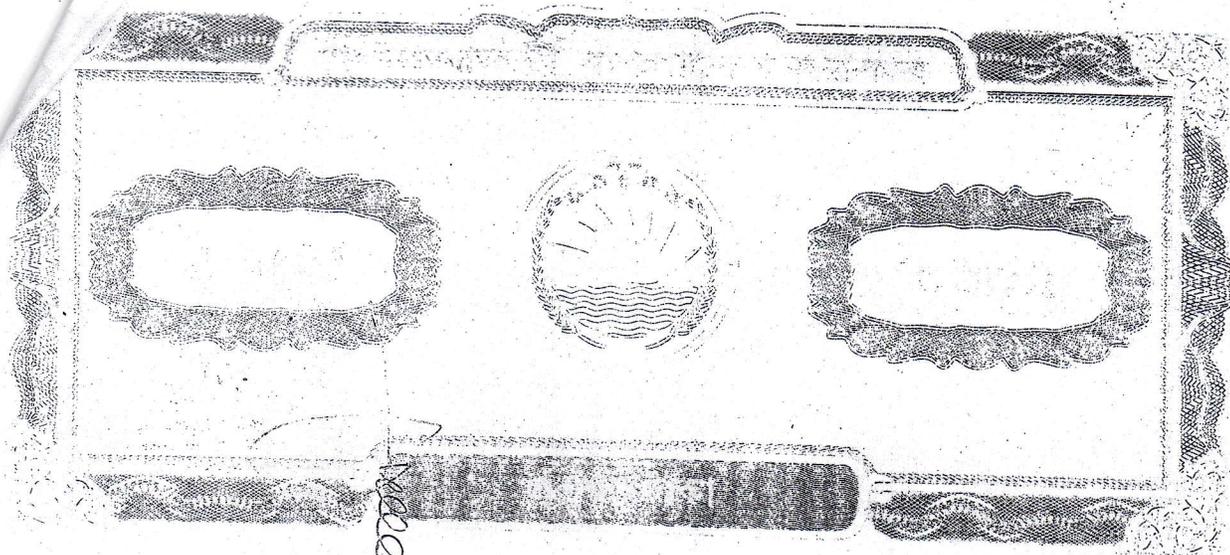
**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**BANGLADESH COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (BCSIR)**

**AND**

**JAGANNATH UNIVERSITY (JnU)**



## Preamble

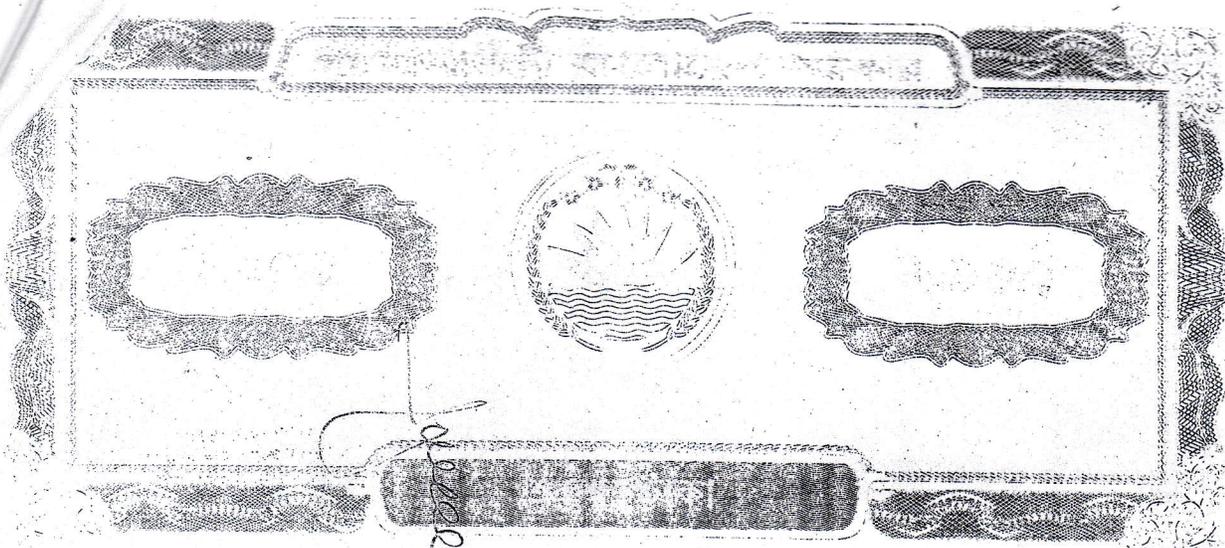
Innovation in the field of Science and Technology is one of the prime requirements for achieving the Sustainable Development Goals (SDG) of Bangladesh. Exchange of knowledge and ideas through mutual collaboration is important for the development of indigenous Knowledge and Technology. In order to accomplish excellence in Science and Technology, Bangladesh Council of Scientific and Industrial Research (BCSIR) and Jagannath University (JnU) have agreed to promote bilateral mutual cooperation and collaboration with common interests and views for sharing and exchanging research knowledge and experiences under strong commitment and best understanding.

### Article 1: Scopes and Objectives

- Application for and execution of collaborative research projects;
- Exchange of technical and scientific information;
- Exchange of journal facilities;
- Joint organization of scientific and technical seminars, symposia and conferences;
- Joint supervision of postgraduate, M.Phil and PhD students on advanced research areas;
- Use of the services of the existing sophisticated laboratories of both the organizations by resource personnel, scientists and students to carry out joint research programs with the view to achieving excellence and outstanding results in the relevant research fields;
- Routine visit of Researchers between BCSIR and JnU;
- Joint publications and processing of patents of the results obtained from joint projects;
- Any other kind of co-operation that will be useful to achieve the joint objectives.

### Article 2: Areas of Cooperation

- **Physical and Chemical Sciences:** Material Science and Nanotechnology, Renewable Energy Technology, Health Physics, Biomedical Physics, Superconductivity, Food Technology, Analytical and Environmental Chemistry, Phytochemistry, Organic, Inorganic, Physical and Medicinal Chemistry, and relevant areas.
- **Biological Sciences:** Tissue Culture and Plant Biotechnology, Mycology, Molecular Genetics, Cytogenetics, Plant Breeding and Biometry, Drug designing, Pharmacology, Metagenomics, Edible Vaccine development, Biochemistry and Molecular Biology, Microbial Biotechnology, Microbiology, Genetic disorder and diseases, Aquaculture and fisheries, Ecology, and relevant areas.
- **Environmental and Earth Sciences:** Geography, Geoinformatics and Surveying, Environmental management, Environmental pollution and toxicology, Disaster management, Geochemistry, Meteorology, Blue Economy, and relevant areas.
- And any sector to be agreed upon between the parties



### Article 3: Publications

- Both parties will exchange books, journals and periodicals published by them.
- Both parties will cooperate with each other in providing scientific documents and manuscripts resulting from the joint research.
- Both parties will give their efforts to utilize the scope of joint publications based on mutual agreement and focusing the subject matter.
- The credit of publications and patents will be an equal distribution within both parties.

### Article 4: Financial Matters

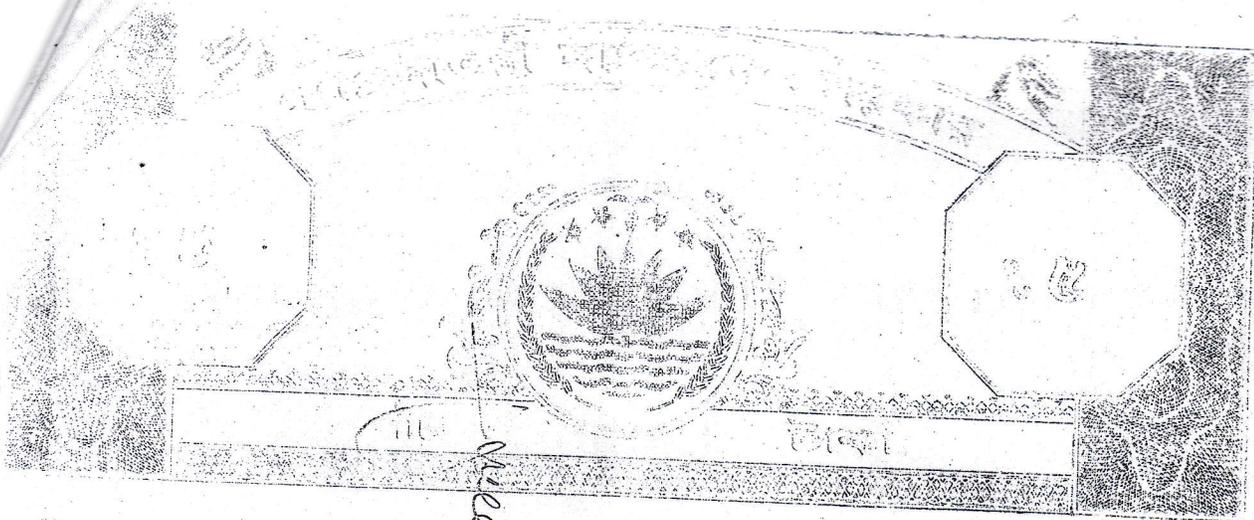
- This MoU does not place any financial obligation on either institution. Both parties will bear their respective costs for carrying out collaborative activities envisaged under good understanding. Neither party shall make a claim against the other party for any expenditure unless such expenditure has been agreed upon in writing between the parties.
- Both parties agree to give the logistic support to the visitors from either organization.

### Article 5: Intellectual Property Rights

- The parties acknowledge and understand that any and all intellectual property rights and research materials resulting from the collaborative research will be shared in equal parts by both the parties.
- Unless otherwise agreed, the parties will jointly own the technological and scientific results obtained from joint research. They undertake to protect and exploit them according to the laws and regulations in both the institutions. In order to permit an easier negotiability of the results obtained, each party undertakes to prevent any claim of right by its personnel or by persons in contact with the institution.
- There are no rights to publish or hand over any kind of information resulted through this MoU to the third party without discussion between both parties.
- The benefits from the cooperation will be enjoyed by both parties regarding the principle of morality, fairness, and trustworthiness.

### Article 6: Management

- BCSIR assigns Research Coordinator, Bangladesh Council of Scientific and Industrial Research (BCSIR) and JnU nominates Director, Research, Jagannath University for the monitoring and execution of MoU. Aforementioned scientists will be responsible for organizing programs, and dealings with experts to execute co-operational activities under Article 1-3, and evaluation of the progress of the ongoing projects.



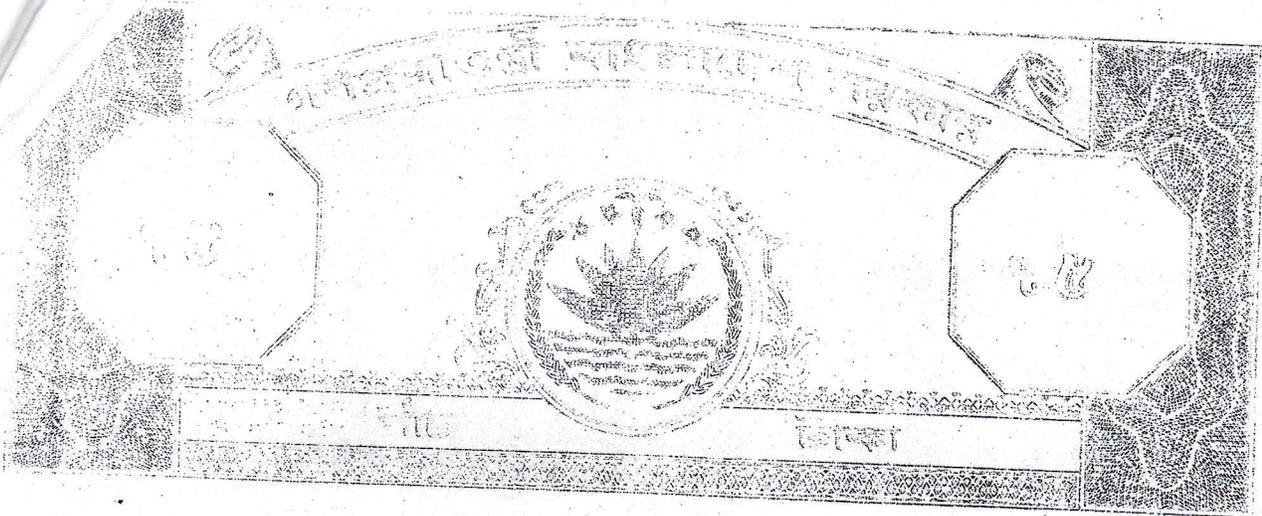
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**Article 7: Effectiveness, Duration and Termination**

- The implementation of this MoU will be commenced upon the signature by respective representatives of the contracting Parties and this arrangement shall continue thereafter for five (5) years.
- The representatives of the two Parties may discuss the possibility and the terms of renewal of this MoU not less than six (6) months prior to the natural termination of the current MoU. Otherwise, this MoU will be automatically renewed for the next five years, and so on.
- Either Party on the other may terminate this MoU at any time by mutual agreement between the two Parties or by six (6) months prior notice in writing.

**Article 8: Revision or Modification**

- Any terms and conditions of this MoU may be revised as necessary after consultation and mutual agreement between the two Parties.



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This MoU is made in English and will be kept in both organizations.

The undersigned relying on each other's good faith and honour do hereby sign the MoU and accept its terms and conditions on the date indicated below:

### Executants

For BCSIR

(Professor Dr. Md. Aftab Ali Shaikh)  
Chairman  
Bangladesh Council of Scientific and  
Industrial Research (BCSIR)  
Dhaka-1205, Bangladesh

Date: 09.09.2021

For Jagannath University

(Professor Dr. Md. Imdadul Hoque)  
Vice-Chancellor  
Jagannath University  
Dhaka-1100, Bangladesh

Date: 09.09.2021

Witnesses

1. Shah Abdul Tarique  
Secretary  
Bangladesh Council of Scientific and  
Industrial Research (BCSIR)  
Dhaka-1205, Bangladesh

2. Dr. M. Sarwar Jahan  
Director  
BCSIR Laboratories, Dhaka, BCSIR  
Dhanmondi, Dhaka-1205, Bangladesh

Witnesses

1. Engineer Md. Ohiduzzaman  
Registrar  
Jagannath University  
Dhaka-1100, Bangladesh

2. Professor Dr. Parimal Bala  
Director (Research)  
Jagannath University  
Dhaka-1100, Bangladesh