

## Day 2: 31 August (Wednesday), 2016

### (09:30-10:30) : Technical Session-IV

**9:30 - 10:30** : **Dr. Md. Manir Hossain Mollah**

Assistant Professor, Department of Biostatistics, Bangladesh University of Health Science (BUHS), Dhaka

**Topic:** Statistical Analysis of Gene-expression Data for Identification of Some Disease Causing Genes

**10:30 - 11:00** : **Tea Break**

### 11:00 - 01:00 : Technical Session-V

**11:00 - 12:00** : **Dr. M. Shahidul Islam**

Professor, Department of Statistics, Shahjalal University of Science & Technology (SUST), Sylhet

**Topic:** Application of LASSO for Agricultural Bioinformatics and Policy Making

**12:00 - 01:00** : **Dr. Md. Jahidul Islam**

Assistant Professor, Department of Agriculture, Bangabandhu Sheikh Mujibur Rahman Science & Technology University (BSMRSTU), Gopalganj

**Topic:** System Biology : Towards Understanding of Plant Metal Hyperaccumulation

**01:00 - 02:00** : **Lunch**

### 02:00 - 04:00 : Technical Session-VI

**02:00 - 03:00** : **Dr. Rameswar Debnath**

Professor, Department of Computer Science and Engineering, Khulna University (KU), Khulna

**Topic:** Computational Approaches for Identification of Candidate Genes from Gene Expression Data

**03:00 - 04:00** : **Dr. Atif Hasan Rahman**

Assistant Professor, Department of Computer Science and Engineering (CSE), Bangladesh University of Engineering and Technology (BUET), Dhaka

**Topic:** Genome Assembly: Methods and Applications

**04:00 - 04:20** : **Tea Break**

### 04:20 - 05:20 : Technical Session-VII

**04:20-5:20** : **Dr. Md. Abdul Alim**

Professor, Department of Parasitology, Faculty of Veterinary Science, Bangladesh Agricultural University (BAU), Mymensingh

**Topic:** Bioinformatics in Agricultural and life Science Research



## National Workshop

on

## Bioinformatics for Sustainable Development in Agriculture, Health and Environment

(30-31 August, 2016)



The Department of Statistics, University of Rajshahi, is going to organize a National Workshop during 30-31 August, 2016 under HEQEP (CP:3603, W2, R3) project. The theme of the workshop is "Bioinformatics for Sustainable Development in Agriculture, Health and Environment". The inaugural session will be started at 09.40AM in the Conference room (No. 337) of the Department of Statistics.

**Prof. Dr. Md. Akhter Farooque**, Dean of Science of Rajshahi University has kindly consented to grace the occasion as the chief guest.

**Prof. Dr. Md. Saiful Islam Faruki**, Dean of Life & Earth Science, **Prof. Dr. Md. Saiful Islam**, Dean of Agriculture, and **Prof. Dr. Mamun-ur-Rasid Khandker**, Dean of Engineering Faculty will be present as special guests.

**Prof. Dr. Md. Ripter Hossain**, Chairman, Department of Statistics, will chair the inaugural session.

You are cordially invited to attend the workshop.

Organized by



HEQEP Sub-Project  
(CP: 3603, W2, R3)  
Department of Statistics, RU





# Programme

Registration Deadline: 28-08-2016

## Day 1: 30 August (Tuesday), 2016

- 09:20-09:40 : Confirm Registration  
 09:40-09:45 : Guests take their Seats  
 09:45-09:50 : Recitation from the Holly Books  
 09:50-10:00 : Welcome Address  
**Prof. Dr. Md. Nurul Haque Mollah**  
 Convener of BioRGRU and SPM (CP: 3603)  
 10:00-10:10 : Address by the Special Guest  
**Prof. Dr. Md. Saiful Islam**  
 Faculty of Agriculture, RU  
 10:10-10:20 : Address by the Special Guest  
**Prof. Dr. Saiful Islam Faruki**  
 Dean of Life & Earth Science, RU  
 10:20-10:30 : Address by the Special Guest  
**Prof. Dr. Mamun-ur-Rasid Khandker**  
 Dean of Engineering Faculty, RU  
 10:30-10:40 : Address by the Chief Guest  
**Prof. Dr. Md. Akhter Farooque**  
 Dean of Science, RU  
 10:40-10:50 : Address by the Chairperson  
**Prof. Dr. Md. Ripter Hossain**  
 Chairman, Department of Statistics, RU  
 10:50-11:00 : Vote of Thanks  
**Prof. Dr. Md. Aminul Hoque**  
 Convener of the Workshop  
 11:00-11:30 : Tea Break  
 11:30-01:00 : Technical Session-I  
 01:00-02:00 : Lunch Break  
 02:00-04:00 : Technical Session-II  
 04:00-04:20 : Tea Break  
 04:20-06:20 : Technical Session-III  
 09:30-10:30 : Technical Session-IV  
 10:00-11:00 : Tea Break  
 11:00-01:00 : Technical Session-V  
 01:00-02:00 : Lunch Break  
 02:00-04:00 : Technical Session-VI  
 04:00-04:20 : Tea Break  
 04:20-05:20 : Technical Session-VII  
 05:20-05:30 : Concluding Session

## Day 2 : 31 August (Wednesday), 2016

## Day 1 : Tuesday, 30-08-2016

- 11:30 - 01.00 : Technical Session-I**  
 11:30-12:00 : **Dr. Md. Nurul Haque Mollah**  
 Professor, Department of Statistics, Rajshahi University (RU), Rajshahi  
**Topic:** Introduction to Bioinformatics for Sustainable Development in Agriculture, Health and Environment  
 12:00-01.00 : **Dr. Md. Abul Kalam Azad**  
 Professor, Department of Genetic Engineering & Biotechnology, Shahjalal University of Science & Technology (SUST), Sylhet  
**Topic:** Life to Computational Biology and Computational Biology to Life Process  
**01:00 - 02.00 : Lunch Break**  
**02:00 - 04:00 : Technical Session-II**  
 02:00 - 03.00 : **Dr. Mahfuj Ara Begum**  
 Senior Scientific officer, Bangladesh Rice Research Institute (BRRI), Gazipur  
**Topic:** Sphingolipid Metabolism in Relation to Insect Resistance in Plants  
 03.00 - 04:00 : **Dr. AMAM Zanaed Siddiki**  
 Professor, Department of Pathology and Parasitology, Chittagong Veterinary and Animal Sciences University (CVASU), Chittagong  
**Topic:** Bioinformatics for Sustainable Animal Conservation: Strategies and Options  
**04:00 - 04:20 : Tea Break**  
**04:20 - 06.20 : Technical Session-III**  
 04:20 - 05:20 : **Dr. Md. Imrul Mosadddek Ahmed**  
 Senior Scientific officer, Bangladesh Agricultural Research Institute (BARI), Gazipur  
**Topic:** Physiological Mechanism, Stress-Specific Proteins for the Tolerance to Combined Stress of Drought and Salinity in Tibetan Wild Barley  
 05:20 - 06:20 : **Dr. Munirul Alam**  
 Senior Scientist, Infectious Diseases Division (IDD) & Head, Molecular Ecology and Metagenomics Laboratory, ICDDR,B, Mohakhali, Dhaka  
**Topic:** Metagenomics: Microbiome Shaping Environment and Health