



Training Course on “Bioinformatics for Sustainable Development in Agriculture”

Organized By:

Bangladesh Agricultural Research Council (BARC)

&

Bangladesh Bioinformatics and Computational Biology Association (BBCBA)

Supported By:

HEQEP Sub-Project (HEQEP:CP-3603, W2, R3), Dept. of Statistics, Rajshahi University (RU) & BARC

Date: 26-28, December, 2017

Venue: Computer and GIS Unit, Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka

Day 1		
Time	Topics	Facilitators
08.30-09.00	Registration	BARC officials
09.30-10.00	Inauguration Program	
10.00-10.15	Tea break	
10.15-11.15	Keynote: Introduction to Bioinformatics and General Aspects	Prof. Dr. Md. Nurul Haque Mollah , President of BBCBA & Head of Bioinformatics lab., Dept. of statistics, Rajshahi University
11.15-12:15	Hands on training on genomic analyses-1	Md. Zahangir Alam and Dr. Md. Nurul Haque Mollah , Bioinformatics lab., Dept. of statistics, Rajshahi University
12.15-13:15	Hands on training on genomic analyses-2	Md. Zahangir Alam and Dr. Md. Nurul Haque Mollah , Bioinformatics lab., Dept. of statistics, Rajshahi University,
13.15-14.00	Lunch and prayer break	
14.00-15.30	Hands on training on transcriptomic analyses-1	Md. Shahjaman¹ & Dr. Manir Hossain Mollah² (1) Bioinformatics lab., Dept. of statistics, Rajshahi University (2) Bangladesh University of Health Science
15.30-15.40	Tea break	
15.45-17.00	Hands on training on transcriptomic analyses-2	

		(BUHS), Dhaka
Day 2		
Time	Topics	Facilitators
09.00-10.00	Hands on training on Phylogenetic analysis-1	Prof. Nazmul Hossain Nazir , Department of Microbiology and Public Health, FVS, BAU
10.00-11.00	Hands on training on Phylogenetic analysis-2	Prof. Nazmul Hossain Nazir , Department of Microbiology and Public Health, FVS, BAU
11.00-11.30	Tea break	
11.30-13.00		
11.30-12.20	Hands on training on metabolomics Analysis-1	Nishit Kumar & Dr. Md. Aminul Hoque Bioinformatics lab., Dept. of statistics, Rajshahi University
12:20-13:10	Hands on training on metabolomics Analysis-1	Nishit Kumar & Dr. Md. Aminul Hoque Bioinformatics lab., Dept. of statistics, Rajshahi University
13.10-14.00	Lunch and prayer break	
14.00-15.30	Hands on training on the integration of genomic and proteomic analysis for Drug discovery-1	Rezanur Rahman and Dr. Md. Nurul Haque Mollah Bioinformatics lab., Dept. of statistics, Rajshahi University
15.30-15.45	Tea break	
15.45-17.00	Hands on training on Toxicogenomics Analysis for Drug discovery-2	Md. Najmul Hasan and Dr. Md. Nurul Haque Mollah Bioinformatics lab., Dept. of statistics, Rajshahi University
Day 3		
Time	Topics	Facilitators
09.30-11.00	Role of agri-informatics and use of common bioinformatics tools	Prof. Dr. Probodh Borah , Assam Agricultural University, India
11.00-11.30	Tea break	
11.30-13.00	Hands on practice on commonly used bioinformatics tools	Prof. Dr. Probodh Borah , Assam Agricultural University, India
13.00-14.00	Lunch and prayer break	
14.00-15.00	Hands on practice on commonly used bioinformatics tools	Prof. Dr. Probodh Borah , Assam Agricultural University, India
15.00-15.15	Tea break	
15.15-16.00	Next generation sequencing (NGS) tools and their use in agriculture-1	Prof. AMAM Zonaed Siddiki Chittagong Veterinary and Animal Sciences University

16.00-17.00	Next generation sequencing (NGS) tools and their use in agriculture-2	Prof. AMAM Zonaed Siddiki Chittagong Veterinary and Animal Sciences University
17.00	Closing Session: BBCBA membership drive & certificate ceremony	