HABIBUL BARI SHOZIB, PhD.

Contact address: Grain Quality and Nutrition (GQN) Division, Bangladesh Rice Research Institute (BRRI) Gazipur-1701. Contact: Tnt: +88 (02) 49272005-9; +88 (02) 49272010-38: +88 (02)49272056 Ext: 301. Mob: +8801924745991 Fax: +88 (02) -49272000
Email: shozib11@gmail.com Offical email: habibul.gqn@brri.gov.bd

Objective: I would like to engage myself in sophisticated research and academic activities in the field of biological sciences including cell physiology, pharmacology, biochemistry, molecular biology, clinical nutrition and cereal chemistry.

Area of research experiences:

Subjects	Major responsibilities
Clinical Biochemistry	• Analyzing body metabolites. • Assaying hormones. • Immune assay.
Cell Physiology and Proteomics	• Gut electrophysiology. • Protein expression, isolation and purification.
Cereal Chemistry and Nutrition.	• Grain analysis specially rice and maize (Physiochemical properties). • Nutraceutical properties of rice grain and formulation of nutritionally balanced rice based food items. • Mineral and vitamin profiling of HYVs rice varieties.
Microbiology	• Assessment of water quality and micro flora of cultured Tilapia (*Tilapia Mossambica*) in lakes of Dhaka.
Molecular Biology and Plant Biotechnology	• Molecular marker assisted selection (MAS) in molecular plant breeding in rice. • QTL mapping in salinity tolerant landrace in Bangladesh. • Gene sequencing.

Education:

1. PhD degree (Grade A) has been awarded in Medical Science (Cell physiology) from Nagoya University Graduate School of Medicine, Nagoya, Japan in September 2013.
2. MS degree (2^{nd} class) has been attained in 2002 in Biochemistry and Molecular Biology from Dhaka University, Dhaka, Bangladesh.
3. BSc degree (2^{nd} class) has been attained in 2001 in Biochemistry and Molecular Biology from Dhaka University, Dhaka, Bangladesh.
4. HSC (Higher School Certificate) degree (1^{st} division) attained in 1997 from Dhaka
5. College, Dhaka, Bangladesh.
6. SSC (Secondary School Certificate) degree (1^{st} division) attained in 1995 from Motijheel Ideal High School. Dhaka, Bangladesh.

Other qualifications:

1. Higher diploma in IT System Management (Grade B) from NIIT, Beximco system. Dhaka, Bangladesh in 2004.
2. Business English Certificate Ventage1 course. (February 17, 2007 to April 16, 2007) at British Council, Dhaka, Bangladesh.

Job experiences:

1. Senior Scientific Officer (23rd September 2014 to till today)
Grain Quality and Nutrition (GQN) Division,
Bangladesh Rice Research Institute (BRRI) Gazipur-1701.
Fax: 88-02- 9261110, Website: www.brri.gov.org, Phone: 88-02-9294117-21 Ext-301 (Off)
Responsibilities:

- Characterizing physicochemical and cooking properties of rice grain.
- Nutraceutical rice research activities.
- Glycemic Index (GI), Rapidly Available Glucose (RAG) assay, Blood Antioxidant status, Micronutrient (Zn, Fe etc) assay in rice grain, Heavy metal toxicity (Pb, Cd etc.) assay of rice grain etc.
- Monitoring the effect of abiotic stress such as salinity, heat, drought and cold on rice grain quality and nutrition.
- Formulation of rice based food items.
- Rice bran oil (RBO) related research activities.
- Involvement in modern HYV rice development (Varietal) programs in BRRI.
- Supervising postgraduate (MS) students for their research activities.

2. Researcher (20th October 2013 to 22nd September 2014)
Department of Biochemistry and Molecular Biology, Dhaka University,
Ramna, Dhaka -1000, Dhaka, Bangladesh.
Fax: 088-02-8615583, Contact: 088-02-8614708,
Responsibilities:

- Molecular marker assisted selection (MAS) in molecular plant breeding in rice.
- QTL mapping in salinity tolerant landrace in Bangladesh.

3. PhD Candidate (October 2009 to September 2013)
Cell Physiology Laboratory.
Department of Cell Information Medicine.
Nagoya University Graduate School of Medicine.
Nagoya, Japan.65, Tsurumi, showa-ku, Nagoya 466-8550, Japan.
Office (+81-52744-2043) FAX (+81-52744-2048)
Responsibilities:

- Measurement of ileal pacemaker activity in mice small intestinal tract.
- Spatio-temporal analyses of ileal pacemaker activity in small intestinal tract of diseased model mice like IL-10 knockout (IBD disease) and SERT knock out.
- Carrying out various electrophysiological and molecular biological experiments to understanding the mechanism of gut motility in Irritable Bowel Disease (IBD).

- Supervision of under grade medical student for physiological and molecular biological experiments.

4. Senior Research Associate (April 2008 to September 2009)
Department of Biochemistry and Molecular Biology, Dhaka University, Ramna, Dhaka -1000, Dhaka, Bangladesh.
Fax: 088-02-8615583, Contact: 088-02-8614708, Web address: www.pbtlabdu.net
Responsibilities:

- Molecular marker assisted selection (MAS) in molecular plant breeding in rice.
- QTL mapping in salinity tolerant landrace in Bangladesh.
- Managing laboratory equipment.

5. Consultant Biochemist: (June 2009-July 2009; Part time basis)
Comfort Diagnostic Center & Comfort Nursing Home (Pvt,) Ltd.
House-167-B, Green Road, Dhanmondi, Dhaka-1205. Phone: 8124990, 8124980.
Responsibilities:

- Clinical Biochemistry,
- Immunology.

6. Consultant Biochemist: (June 2008- May 2009; Part time basis)
Prime Diagnostic Laboratory Ltd.
36, Purana paltan Line, VIP Raod Dhaka, Bangladesh. Contact 8313215, 9334060
Responsibilities:

- Clinical Biochemistry. (Body metabolites assay).
- Immunology.
- Serology.

7. Visiting GCP Research Fellow (September, 2007 – March, 2008)
Crop Science and Environmental Science (CESD), IRRI, Philippines.
Supervisor: Dr Abdelbagi M. Ismail. Senior Scientist and Plant Physiologist
CESD, IRRI, Philippines (abdelbagi.ismail@cgiar.org)
Co-Supervisor: Professor Zeba Islam Seraj, Dhaka University, Bangladesh.
(zseraj@citech-bd.com)
Responsibilities:

- Identification of salinity tolerant QTL from Bangladeshi landraces Boilam using molecular marker technology.

8. Research Associate (July 2006 to August 2007)
Department of Biochemistry and Molecular Biology, Dhaka University, Ramna, Dhaka -1000, Dhaka, Bangladesh.
Fax: 088-02-8615583, Contact: 088-02-8614708, Web address: www.pbtlabdu.net
Responsibilities:

- Molecular marker assisted selection (MAS) in molecular plant breeding in rice.
- QTL mapping in salinity tolerant landrace in Bangladesh.

9. Clinical Biochemist: (November 2005 to June 2006)

Prime Diagnostic Laboratory Ltd.
36, Purana Paltan Line, VIP Raod Dhaka, Bangladesh. Contact 8313215, 9334060
Responsibilities:

- Clinical Biochemistry (Body metabolites assay).
- Immunological-assay.
- Hepatitis-assay.
- Cancer Marker-assay.
- Serological assay

10. Postgraduate student (February, 2005 – October, 2005)
Department of Biochemistry and Molecular Biology, Dhaka University, Ramna, Dhaka-1000, Dhaka, Bangladesh.
M.S. Thesis dissertation title: The effect of water quality on micro flora of cultured Tilapia (*Tilapia Mossambica*)
Responsibilities:

- Study the water quality of Dhaka city lakes.
- Microbial effects on cultured Tilapia fishes in Bangladesh (*Tilapia nilotica*).

11. Trainer :
International Rice Research Institute (IRRI) had selected me as a resource personal for GCP(Generation Challenge Program) Training workshop on Marker Assisted Breeding for Bangladesh at Bangladesh Rice Research Institute (BRRI) which was held from 18th November to 27th November, 2008, at BRRI, Gazipur, Bangladesh.

12. Organizer:
a. Successfully organized 1st National workshop on CRISPR-Cas9 genome editing technology as GNOBB EC member on 28th March. 2017 at Center for Advance Research in Sciences (CARS), Dhaka University, Bangladesh.
b. As a GNOBB EC and Conference organizing committee (COC) member, I am actively engaged in organizing an International conference on biotechnology in health and agriculture (ICBHA 2017) in Dhaka, Bangladesh on 29-30 December,2017.
http://gnobb.org/conference/organizer

Technology Used:

- Micro electrode array (MED 64 system (Alpha MED Scientific, Osaka, Japan).
- Intracellular Ca+2 imaging.
- Mouse behavior Analysis experiments (ANY-maze).
- Laser micro-dissection (LEICA LMD 7000), Cryostat sections(LEICA CM 1950/3050).
- Immuno-histochemistry, Immuno-fluresence (Biozero-Keyence).
- Micro electric array (MEA) data analysis.
- cDNA Micro-array data analysis.
- Magnetic bead labeled cell isolation (MACS)
- AAS (Atomic Absorption Spectrophotometer, AA6800 Shimarzhu, Japan)
- Grain Analyzer (Infratec 1241)
- DNA and RNA Isolation and purification.

- PCR (Polymerized chain reaction).
- Real Time RT PCR (Applied Biosystems StepOne Real time PCR system).
- Gel Electrophoresis, PAGE (Poly acryl amide gel electrophoresis), SDS-PAGE.
- Western Blotting (WB).
- FACS (Flow Cytometer FACS Aria).
- Expression of recombinant GST tagged protein and purification.
- Molecular Cloning and DNA Sequencing (Beckman Coulter CEQ 2000XL/CEQ 8000).
- Transfection techniques.
- Immuno precipitation (IP).
- ELISA, MIA and HPLC techniques.

Publications:

1. **Habibul Bari Shozib,** Editorial on Nutraceutical properties of Bangladeshi rice varieties. Vitam Miner 2018, 7:4:175 DOI: 10.4172/2376-1318.1000175
2. **Habibul Bari Shozib,** Sultan Abu Saleh Mahmud, Rifat Bin Amin, Mohammad Nazir Hossain, Jiban Krishna Biswas, Jagadish Timsina, Muhammad Ansar Ali, Muhammad Ali Siddiquee. Nutraceutically Enriched Rice Based Food to Mitigate Malnutrition in Bangladesh. EC Nutrition (2018)**13:5:**240-249.
3. **Habibul Bari Shozib**, Saima Jahan, Muhammad Zakir Sultan, Samsul Alam, Suman Chandra Das, Rifat Bin Amin, Mahedi Hasan and Muhammad Ali Siddiquee. Nutritional Properties of Some BRRI HYV Rice in Bangladesh. Vitam Miner (2018) **7:** 1: 174. doi:10.4172/2376-1318.1000174
4. **Shozib, H.B**., Hossain, M.M., Jahan S., Alam, M.S., Das, S.C., Alam, S., Amin, R.B., Hasan, M.M., Malo, R., Islam, M.R., Shekhar, H.U., Siddiquee, M.A. Study of biochemical and cooking quality traits of major rice varieties of Bangladesh. Malays. Appl. Biol. (2017) 46(4): 55–62
5. Muhammad Ali Siddiquee, **Habibul Bari Shozib,** Saima Jahan. Prospects of Bangladeshi antioxidant enriched HYV rice and its bran oil. Full length conference paper in The 4th International Conference on Rice Bran Oil 2017 (ICRBO 2017) Rice Bran Oil Application: Pharma-Cosmetics, Nutraceuticals and Foods 24-25 August 2017, P:3-8.
6. **Habibul Bari Shozib,** Saima Jahan, Suman Chandra Das, Samsul Alam, Rifat Bin Amin, Mahedi Hasan, Richard Malo and Muhammad Ali Siddiquee. Mineral profiling of HYV rice in Bangladesh. Vitam Miner, 2017, 6: 164. doi:10.4172/2376-1318.1000164
7. **Habibul Bari Shozib**, Salinity tolerance QTL mapping from Coastal Aus Landrace Boilam. IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB) 3(6)2017: 30-35, doi: 10.9790/264X-03063035.
8. **Shozib HB**, Editorial Notes on Vitamins & Minerals, Vitam Miner 6:4. 6:e151. 2017, Doi: 10.4172/2376-1318.1000e151
9. Siddiquee M.A., Jahan S., Kabir Y., **Shozib H.B.** BRRI dhan31 generate elevated level of bioactive component, γ-aminobutyric acid (GABA) at pre-germinated brown rice condition. International Journal of Scientific Research (IJSR), 2017, 6 (7) 511-513
10. **Habibul Bari Shozib**, Shourab Bhowmick, Saima Jahan, Muhammad Ali Siddiquee. In vivo screening for low glycemic index (GI) rice varieties in

Bangladesh and evaluate the effect of differently processed rice and rice products on GI. Biojournal of Science and Technology, July 2017, Vol 5, Article no: m170001.(ISSN 2410-9754).

11. Shakir Hosen, Saima Jahan, Md Mahfuzur Rahman, Muhammad Ali Siddiquee, **Habibul Bari Shozib,** Grain quality evaluation and comparative analysis of physicochemical properties of traditional cultivars and high yielding (HYV) Aman rice varieties in Bangladesh. Biojournal of Science and Technology, July, 2017, Vol 5, Article ID: m160004. (ISSN 2410-9754).
12. Shakir Hosen , Md. Abdur Rahman , Saima Jahan , Muhammad Ali Siddiquee , **Habibul Bari Shozib.** 2016, Characterization of grain quality of selected Aus landraces in Bangladesh. International Journal of Sustainable Agricultural Technology 12(11): 07-13, November 2016. (ISSN: 1815-1272).
13. Shakir Hosen, Md. Rakib Ullah, Saima Jahan, Muhammad Ali Siddiquee**, Habibul Bari Shozib**, 2016, Physicochemical and cooking quality of selected traditional Boro rice varieties of Bangladesh. International Journal of Sustainable Agricultural Technology (Int. J. Sustain. Agril. Tech.) 12(11): 01-06, November 2016. (ISSN: 1815-1272).
14. Hosen, S., Siddiquee, M. A., Jahan, S., Alam, M. S., Hoque, F., Bhowmick, S., Ferdous, N.,**Shozib, H.B**. 2016. Physicochemical properties of Aus cultivars in Bangladesh. Biores Comm. 2(1), 200-204. **(**ISSN 2411-0272**).**
15. **Habibul Bari Shozib**, Saima Jahan, Shourab Bhowmick, Farzana Hoque, Darmin Chakma, Mahmud Hosain, Mohammad Omar Faruque, Md. Sazzadur Rahman, Muhammad Ali Siddiquee, 2015, Dietary administration of rice in improving the antioxidant status in Long-Evans Rat. Bio journal of Science and Technology, 2015, Volume 2:1-7. **(**ISSN: 2410-9754)
16. Shakir Hosen, Muhammad Ali Siddiquee, Saima Jahan, Nilufa Ferdous, **Habibul Bari Shozib, 2015,** Comparative study on physicochemical properties of some HYV and local aman cultivars in Bangladesh. International Journal of Sustainable Agricultural Technology IJSAT 2015:11(2) 1-5. (ISSN: 1815-1272)
17. Sabrina M. Elias, Rokeya Begum, Md. Sazzadur Rahman, Afroza Ferdouse, **Habibul B. Shozib,** Md. Muntasir Ali, Zeba I. Seraj, 2014, Genotypic and phenotypic relatedness of a farmer-discovered variant with high-yielding rice growing in the same field. Plant Syst Evol. 4th June, 2014 (Online): DOI 10.1007/s00606-014-1085. (ISSN: 2199-6881)
18. Mizuki Taniguchi, Shunichi Kajioka, **Habibul B. Shozib**, Kenta Sawamura, Shinsuke Nakayama, 2013, Spatial analysis of slowly oscillating electric activity in the gut of mice using low impedance arrayed microelectrodes. PLOS ONE 2013 Oct ; DOI : 10.1371/journal.pone.0075235. **(**ISSN: 1932-6203)
19. **Habibul B. Shozib,** Haruhiko Suzuki, Satoshi Iino, Shinsuke Nakayama, 2013, Acceleration of Ileal Pacemaker Activity in Mice Lacking Interleukin-10. Inflamm Bowel Dis. 2013 Jul; 19(8):1577-85. (ISSN: 1536-4844)
20. **H.B. Shozib,** E.K.Chowdhuary and S.R. Alim, 2007, Bacteriological analysis of cultured Tilapia and the rearing water. The Dhaka University Journal of Biological Sciences. Volume 16.No 2. July, 2007, P.P:143-47. **(**ISSN 1021-2787)
21. S.Ahmed, S.Shahnaz, **H.B. Shozib**, E.K. Chowdhuary and S.R.Alim,2007, Association of potential bacteria in the intestine and kidney of some fresh water

fishes available at the local market of Dhaka city. The Dhaka University Journal of Biological Sciences. Volume 16.No 2. July, 2007, P.P:161-164. **(**ISSN 1021-2787)

22. M Nasir Uddin, Akim Uddin Mohammad, **Habibul Bari Shozib,** Tanveer Tazib, Nuruzzaman Masum, ASM Matlubur Rahman, Donald J Gomes, 2006, Evaluation of prostate specific antigen levels in sera of patients with prostate diseases using ELISA. Bangladesh Journal of Medical Science.Volume12; Number2, September. 2006, P.P:98-102. (ISSN:1607-0755)
23. M Nasir Uddin, Baigid Alam Shibib, Akim Uddin Mohammad, Tanveer Tazib, Rasel Ahsan, **Habibul Bari Shozib,** Nuruzzaman Masum, Donald J Gomes, 2006, Changes in physiological properties of soyabean oil under various conditions. Bangladesh. Journal of Medical Science. Volume 12 .Number 1, March. 2006, P.P:28-34. (ISSN:1607-0755).

Editorial member of International Journals:

1. Member of Editorial Board, Journal of Vitamins and Minerals, OMICS International. https://www.omicsonline.org/editor-profile/habibul-bari-shozib/
2. Member of Editorial Board, International Journal of Applied Agricultural Sciences. http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=343
3. Member of Editorial Board, Journal of Food Nutrition & Health (Allied Academies) http://www.alliedacademies.org/journal-food-nutrition-health/editors.php
4. Reviewer, Global Journal of Nutrition & Food Science (GJNFS), Iris publication.

Product Development:

1. Rice based low cost, nutritionally balanced food items formulation like rice biscuit, rice cake, rice ball, rice bread etc.
2. High energy dense (ED 5) biscuit (EDRB) formulation for emergency relief operation.

Scientific Reports :

1. Muhammad Ali Siddiquee, Sharifa Sultana, Nilufa Ferdous, Tapash Kumar Sarker, **Habibul Bari Shozib** and Shakir Hosen, 2016. Determination of physicochemical and cooking properties of rice grain, BRRI Annual report 2014-2015, 2016: 33.
2. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, 2016. Effect of salinity on grain and nutritional status of salt tolerant rice, BRRI Annual report 2014-2015, 2016: 35.
3. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, 2016. In vivo experiment of glycemic index (GI) for BRRI released rice varieties (Long Evan rat), BRRI Annual report 2014-2015, 2016: 37-38.
4. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, 2016. Estimation of antioxidant status of BRRI released rice varieties using in vivo experimental rat model, BRRI Annual report 2014-2015, 2016: 38-40.
5. Muhammad Ali Siddiquee, **Habibul Bari Shozib**, 2016. Identification of γ-Aminobutyric acid (GABA) in rice and its health benefits as a value added food. BRRI Annual report 2014-2015, 2016: 40-42.
6. M S Rahman, S Rahman, T Haque, R Malo, **H B Shozib**, M J Thomson, A M Ismail and Z I Seraj, Development of salt tolerant BR11 and BRRI dhan28 through marker assisted

introgression of Saltol QTL for seedling stage salinity tolerance of rice, Bangladesh rice research abstract 2014, 2015:44.

Booklet: Md. Anwarul Haque and **Habibul Bari Shozib.** Post harvest loss minimization of rice bran for quality rice bran oil. BRRI publication 261 (20 pages), 2018.

Abstracts in Proceeding papers:

1. In vivo screening for low Glycemic Index (GI) rice varieties in Bangladesh and evaluate the effect of differently processed rice and rice products on GI. **Habibul Bari Shozib**, Saima Jahan, Muhammad Ali Siddiquee. 8th International Plant Tissue Culture & Biotechnology Conference, December 3-5, 2016. Dhaka University.
2. To evaluate the effect of differently processed rice and rice products on glycemic index (GI), Saima Jahan, **Habibul Bari Shozib**, Farzana Hossain Tamanna. International Conference on analysis of repeated measures data, 25 - 26 November, 2016. Dhaka University.
3. BRRI dhan28: A potential source of rice bran oil in Bangladesh. Muhammad Ali Siddiquee, Taposh Kumar Sarkar, **Habibul Bari Shozib**. The 3rd International Conference of Rice Bran Oil (ICRBO 2016) ,ITO International Research Center, The University of Tokyo, Tokyo, JAPAN, October 24 - 25, 2016.
4. Pre-germinated brown rice generate elevated level of bio-active component, γ-aminobutyric acid (GABA). Muhammad Ali Siddiquee, **Habibul Bari Shozib**, Saima Jahan, Yarul Kabir. Proceedings of National conference on Biochemistry, Industry and Sustainable Economy, Dhaka University, 21 March, 2015:29-31.
5. Comparative study on Apparent Amylose Content and Protein in Bangladeshi rice cultivars. **Habibul Bari Shozib,** Saima Jahan, Muhammad Ali Siddiquee. Proceedings of National conference on Biochemistry, Industry and Sustainable Economy, Dhaka University, 21 March, 2015:101-102
6. Physicochemical properties of some aman cultivars in Bangladesh. Shakir Hosen, Muhammad Ali Siddiquee, Saima Jahan, Nilufa Ferdous, **Habibul Bari Shozib.** Proceedings of National conference on Biochemistry, Industry and Sustainable Economy, Dhaka University, 21 March, 2015:138-140.
7. Ileal pacemaker activity analysis by microelectrode array (MEA) in mice lacking interleukin-10. **Habibul Bari Shozib**, Saima Jahan, Muhammad Ali Siddiqee, S. Nakayama. Proceedings of International Conference of Biotechnology in Health and Agriculture 2nd GNOBB Conference, Dhaka, Bangladesh. 2015; 57-58.
8. Comparative study on phytic acid content of traditional and HYV rice in Bangladesh. MA Siddiquee, **HB Shozib,** S Hosen and Y Kabir. Proceedings of 6th international Botanical Conference, Dhaka University, 2014:7
9. Microelectrode analysis of gut pacemaker activity in mice lacking IL-10. **Shozib. HB**, Suzuki, H, Nakayama, S. Physiology 2012 (Edinburgh) (2012) Proc Physiol Soc 27, PC163.
10. Microelectrode Array analysis of ileal pacemaker activity in mice lacking IL-10. **Shozib, Habibul Bari**, Nakayama, Shinsuke, Suzuki, Haruhiko. The Journal of Physiological Sciences Vol 63-supplement 1, 2013(3PK-071, P-S251). Proceedings of the 90th Annual Meeting March 27-29, 2013,Tokyo, Japan.

11. Cooperative gut motility requires the network of pacemaker cells. Nakayama, Shinsuke, Taniguchi, Mizuki, **Shozib, Habibul Bari**. The Journal of Physiological Sciences Vol 63-supplement 1, 2013(2MS4B-4,P-S15). Proceedings of the 90th Annual Meeting March 27-29, 2013. Tokyo, Japan.
12. Identification of salt tolerance QTLS in the rice landrace, Boilam and their introgression into farmer popular varieties. **H.B. Shozib,** M.J. Thomson, M.A. Salam, A.M. Ismail and Z.I. Seraj. Proceedings of Bangladesh Plant Tissue Culture and Biotechnology, Conference 2008 at Dhaka University, Dhaka, Bangladesh.2008:43
13. Identification of quantitative trait loci for salinity tolerance to rice in an advanced backcross population derived from two indica varieties, Boilam and BRRI Dhan 27. **HB Shozib,** MJ Thomson, MS Rahman, MA Salam, AM Ismail and ZI Seraj. Proceedings of GCP Annual Research Meeting, Bangkok, Thailand 16-20 September, 2008:3.5(36).

Inter institutional Series Seminar:

1. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, Nutraceutical properties of rice and prospect of rice based food items in Bangladesh. Presented in Thursday seminar at BRRI auditorium on 9th August, 2018.
2. Muhammad Ali Siddiquee, **Habibul Bari Shozib**, Md Alauddin. Current trends in rice bran oil (RBO) research activities in Bangladesh. Presented in Thursday seminar at BRRI auditorium on 12th October, 2017.
3. **Habibul Bari Shozib** and Muhammad Ali Siddique, 2017, Nutraceutical aspect of rice and rice products-GQN activities in BRRI. Presented in Thursday seminar at BRRI auditorium on 6th April, 2017.
4. Muhammad Ali Siddiquee and **Habibul Bari Shozib**, 2017, Emerging prospects of rice bran oil (RBO) - Bangladesh context. Presented in a special seminar at BRRI auditorium on 18.01.2017.
5. Muhammad Ali Siddiquee and **Habibul Bari Shozib**, 2016, A study on Glycemic Index (GI) of rice and rice based diet. Presented in Thursday seminar at BRRI auditorium on 1.09.2016.
6. Muhammad Ali Siddiquee and **Habibul Bari Shozib**, 2015, Recognizing and Assessing Biological Hazards in the Laboratory. Presented in Thursday seminar at BRRI auditorium on 11.06.2015.
7. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, 2015, Bridge between rice and human physiology – an experimental rat model view. Presented in Thursday seminar at BRRI auditorium in 2015.

Few selected meetings, conferences, workshop, training and courses:

1. Participated in an International workshop entitled on “Molecular characterization of inbred lines and heterogeneous populations in Maize.” Which was held on April 1-3, 2007, IARI, New Delhi, India and sponsored by GCP and CIMMYT.
2. Participated in a course entitled on “Basic experimental design and data analysis using CropStat” which was held on February 18-22, 2008 at IRRI, LosBanos, laguna, Philippines and sponsored by IRRI.

3. Participated in an inception meeting of GCP funded project entitled on Speeding the development of salt-tolerant rice varieties through Marker-Assisted Selection (MAS) and their dissemination in salt-affected areas of Bangladesh which was held on 29th March 2008 at IRRI, Bangladesh office, Dhaka, Bangladesh.
4. Participated in a workshop entitled on "Candidate gene discovery" which was held on 14-15th September,2008, at Bangkok in Thailand and sponsored by GCP and BIOTECH, Thailand.
5. The 2nd International Symposium "Novel Approaches for Neurological and Psychiatric Disorders" 3-3, Sakae 1-chome, Naka-ku, Nagoya, Japan 26-27 November, 2009.
6. 3rd GCOE NAGOYA Global Retreat, February 26 -27, 2011, Aichi Kenko Plaza, Japan.
7. Physiology 2012, 2-5 July, Edinburgh international conference center, Edinburgh, UK.
8. Project Development and Management related training at Bangladesh Agriculture Research Council (BARC), Dhaka, Bangladesh from 4-11 December, 2014.
9. Training on "Phytosanitary measures and food safety issues in Bangladesh" organized by Bangladesh Agriculture Research Council (BARC), Dhaka, Bangladesh from 7-8th June, 2015.
10. Two month long rice production and communication training course organized by Training Division, BRRI, Gazipur-1701 from 29th February to 28th April, 2016.
11. Consultation meeting for preparation of the smallholder agricultural competiveness project's (SACP) background papers on 09 November, 2016, Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka, Bangladesh.
12. Training on Biosafety and Biosecurity organized by Bangladesh Biosafety and Biosecurity Association (BBBA) from 6-7 January, 2017 at Director General of Health Services (DGHS), Mohakhali. Dhaka, Bangladesh.
13. Participated in a 6 (five) day long training on Application of R software in agricultural statistic in BRRI, 11-16 February, 2017.
14. Participated in 1st National workshop of GNOBB on CRISPR-Cas9 genome editing technology on 28th March. 2017 at CARS, Dhaka University, Bangladesh.
15. Participated in a three day long Stewardship and regulatory training program on GM crops by Arcadia Biosciences, USA at Biotechnology Division, BRRI from 2-4 April, 2017.
16. Participated in 1st National Conference on Neuroscience Research in Bangladesh on 15th April, 2017 at Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka.
17. Participated in a workshop on Networking and Communication to establish a National Network on Agriculture for Nutrition (Nag4N) on 5th May, 2017 at Shere Bangla Agriculture University (SAU), Dhaka, and the workshop was jointly organized by UODA and YPARD Bangladesh.
18. Participated in workshop in a Workshop entitled on Food Systems for Healthier Diets in Bangladesh on 5th July, 2017 at Gulshan 2, Dhaka, Bangladesh and the workshop was jointly organized by IFPRI, CGIAR and Wageningen University, The Netherlands.
19. Participated in a six day long training on Rice physiological development through trait discovery in BRRI, 11-16 August, 2018.

Supervision of MS and BSc students (2015-2018) for their research.

1. Dietary administration of rice in improving the antioxidant status in Long-Evans Rat. MS. Thesis of Farzana Hoque (Examination Registration No: 11329089126 Session:

2011-12, Submitted February 2016) for the fulfillment of MS in Biochemistry and Molecular Biology, Tejgoan College, National University.

2. Screening of lead uptake in Bangladesh rice varieties for Aman season. MS. Thesis of Md. Shahin Alam (Examination Registration No: 11329089105 Session: 2011-12, Submitted February 2016) for the fulfillment of MS in Biochemistry and Molecular Biology, Tejgoan College, National University.
3. In vivo screening for low glycemic index (GI) rice varieties in Bangladesh and evaluate the effect of differently processed rice and rice products on GI. MS. Thesis of Shourab Bhoumik (Examination Registration No: 12329114742 Session: 2012-13, Submitted October 2016) for the fulfillment of MS, 2016 in Biochemistry and Molecular Biology, Tejgoan College, National University.
4. Investigation of physicochemical properties of rice germplasm. MS. Thesis of Md. Faisal Noor (Examination Registration No: 12329114735 Session: 2012-13, Submitted October 2016) for the fulfillment of MS, 2016 in Biochemistry and Molecular Biology, Tejgoan College, National University.
5. Physicochemical and functional characterization of selected HYV BRRI rice varieties. MS. Thesis of Md. Mobarok Hossain (Exam Roll: 1512, Registration No: 2010-412-938 Session: 2014-15) for the fulfillment of MS, 2016 in Biochemistry and Molecular Biology, Dhaka University.
6. Screening of cadmium uptake in Bangladesh rice varieties for Aman season at seedling stage. MS Thesis of Rifat Bin Amin (Examination Registration No: 133299101576 Session: 2013-14 Submitted September 2017) for the fulfillment of MS, 2017 in Biochemistry and Molecular Biology, Tejgoan College, National University.
7. Beneficial role of rice bran oil in comparison of other edible oils in Bangladesh. BSc (honors) course paper of Ms Anika Rahman (Examination Registration No: 36426 Session: 2012-13, Submitted September 2017 for the fulfillment of BSc, 2017 in Public health and informatics, Jahangirnagar University, Savar, Dhaka.
8. Mineral profiling of HYV rice in Bangladesh. MS. Thesis of Suman Chandra Das (Examination Registration No: 5155542 Session: 2014-2015 , Submitted September 2018) for the fulfillment of MS, 2018 in Biochemistry and Molecular Biology, Tejgoan College, National University, Bangladesh.
9. Physicochemical properties of small grain aromatic Kalijira rice varieties in Bangladesh. MS. Thesis of Mahedi Hasan (Examination Registration No: 5155530 Session: 2014-2015, Submitted September 2018) for the fulfillment of MS, 2018 in Biochemistry and Molecular Biology, Tejgoan College, National University, Bangladesh.
10. Nutritional Properties of Some BRRI HYV Rice in Bangladesh. MS. Thesis of Samsul Alam (Examination Registration No: 5155540 Session: 2014-2015, Submitted September 2018) for the fulfillment of MS, 2018 in Biochemistry and Molecular Biology, Tejgoan College, National University, Bangladesh.
11. Post harvest loss minimization of rice bran to attain good quality rice bran oil in Bangladesh. MS thesis of Md. Abu Sayed (Examination Registration No: 2015423008 Session: 2015-2016, Submitted September 2018) for the fulfillment of MS, 2018 in Biochemistry and Molecular Biology, Shahjalal University of Science and Technology, Shylet, Bangladesh.
12. Study of glycemic index (GI) and non esterified fatty acid (NEFA) status of energy dense rice biscuits (EDRB). MS thesis of Sultan Abu Saleh Mahmud (Examination ID No:

01201152005 Session: Fall 2015, Submitted Fall 2018) for the fulfillment of two years long MS, 2018 in Biochemistry and Cell Biology, Bangladesh University of Health Sciences (BUHS), Mirpur 1, Dhaka. Bangladesh

Co-Supervisorship of a PhD student (2018-2021).

1. Shakir Hosen, PhD student of Biochemistry and Molecular Biology department of Dhaka University. Title: Anti-carcinogenic, anti-diabetic and anti-inflammatory roles of anthocyanin extracted from wild type Bangladeshi rice varieties (Funding Source: National Agriculture Technical Project NATP Phase II, Bangladesh, PhD fellowship, Duration: 2017-2021).

Popular articles in BRRI newsletter:

1. **Habibul Bari Shozib** and Muhammad Ali Siddiquee, Black rice research initiatives in BRRI, BRRI Newsletter, December Edition, 2016.
2. **Habibul Bari Shozib** and Muhammad Ali Siddiquee. Disease resistant compound in BRRI HYV rice. BRRI Newsletter, April – June Edition, 2015.
3. **Habibul Bari Shozib** and Muhammad Ali Siddiquee. Antioxidant properties of rice. BRRI Newsletter, 2015.

Involvement of projects as Co-PI and Co-Investigator (CoI):

1. An industrial pilot study of zinc fortification of whole rice through parboiling process in an Engleberg mill. (Funding Source: Global Alliance for Improved Nutrition (GAIN) Bangladesh. Project Number: 40BD02-PD, 2015, BRRI component).Nutritious Rice Value Chain (NRVC) Innovation in Bangladesh (Phase-II). **(Status: Executed)**
2. Post harvest loss minimization of rice bran to attain good quality rice bran oil in Bangladesh (Funding Source: Ministry of Agriculture, Bangladesh, Duration: 2017-2018). **(Status: Executed)**
3. Value addition and standardization of nutritional level in selected food items to mitigate malnutrition (Funding Source: National Agriculture Technical Project NATP Phase II, Bangladesh, Duration: 2018-2021, Project ID-099 under PBRG.) **(Status: Ongoing)**.
4. Detection and quantification of heavy metals and toxins in rice bran, bran oil and de-oiled rice bran (Funding Source: Ministry of Agriculture, Bangladesh, Duration: 2018-2019). **(Status: Ongoing)**

Award and fellowship:

1. GCP (Generation Challenge Program) Fellowship 2007.
2. Obtained third position for Poster presentation in Bangladesh Plant Tissue Culture and Biotechnology, conference 2008 which was held on April 11-13, 2008 at Dhaka University, Dhaka, Bangladesh. http://www.gnobb.org/Poster-Prize.pdf.
3. Awarded Japanese Government Scholarship (Monbukagakusho) in 2009 (duration: October 2009 to September 2013)
4. Champion award for best oral presentation in 3rd International Conference on Biotechnology in Health and Agriculture which was held on 29-30th December, 2017 at Dhaka University, Dhaka, Bangladesh.

Affiliation in professional organization:

- General Member, Bangladesh Association of Clinical Biochemist (BACB). EC member for 2017-2018.
- Associate Member, Bangladesh Botanical Society (BBS).
- Life Member, Bangladesh Association of Plant Tissue Culture and Biotechnology (BAPTC&B).
- Life Member, GNOBB (Global Network of Bangladeshi Biotechnologists), EC member for 2016-2018.
- General Member, International Association of Plant Biotechnology.
- Member, YPARD, Bangladesh.

Achievements: As a senior scientist of Grain Quality and Nutrition (GQN) Division, BRRI, I am actively involved in modern HYV rice breeding varietal program from 23rd September, 2014 to till today. During these period BRRI has released a total of 19 BRRI HYVs including 17 inbred such as BRRI dhan70, BRRI dhan71, BRRI dhan72, BRRI dhan73, BRRI dhan74, BRRI dhan75, BRRI dhan76, BRRI dhan77, BRRI dhan78, BRRI dhan79, BRRI dhan80, BRRI dhan81, BRRI dhan82, BRRI dhan82, BRRI dhan83, BRRI dhan84, BRRI dhan85, BRRI dhan86 and 2 Hybrids such as BRRI Hybrid dhan5, BRRI Hybrid dhan6. GQN Division of BRRI had the mandate and responsibilities to analyze physicochemical and cooking properties of all of the above released BRRI HYVs during this period. I have to do routine examination of apparent amylase content (AAC) of GR2EBRRI dhan29 (Pro-VitA enriched Golden Rice) in BRRI for last three years.

Referees:

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