CURRICULUM VITAE

FAMILY NAME: **Md. Imtiaz Uddin**
TITLE: Dr.
DATE & PLACE OF BIRTH: March 01, 1966, Mymensingh, Bangladesh
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EDUCATION:

Ph. D. Bio-environment Science, 2008. Laboratory of Plant Biotechnology, Faculty of Agriculture, The United Graduate School of Agricultural Sciences, Tottori University, Minami 4-101, Koyama-cho, Tottori 680-8553, Japan.

Thesis title: ***Functions of Unique Stress-induced Genes from Rice and Its Mechanism of Salinity Tolerance.***

Ph.D. Supervisor: Professor Dr. Kiyoshi Tanaka, Laboratory of Plant Biotechnology, Faculty of Agriculture, Tottori University, Koyama-cho, Minami 4-101, Tottori 680-8553, Japan.

M. S. Genetics and Plant Breeding, 1998. Bangladesh Agricultural University, Mymensingh 2202, Bangladesh.

Thesis title: ***Study of Genetic Variation and Selection Index in Bread Wheat.***

M.S. Supervisor: Professor Dr. A. K. M. Shamsuddin, Department of Genetics and Plant Breeding, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh.

B. Sc. Ag. (Hons.), 1991. Bangladesh Agricultural University, Mymensingh 2202, Bangladesh.

RESEARCH AREA:

Biotechnology, Gene Cloning and Expression, Molecular Stress Physiology, Plant Breeding (Mutation breeding) and Genetics

RESEARCH ACCOMPLISHMENTS:

1) Development of abiotic stress (salinity/drought/submergence) tolerant crop varieties through genetic transformation. Core Research Project, Bangladesh Institute of Nuclear Agriculture (BINA), Funded by Ministry of Agriculture, Bangladesh

2) Abiotic and Biotic Stress Tolerant Gene Mining from Wild Rice Species. Innovative Project. Funded by Ministry of Agriculture, Bangladesh, July 2017-June 2020.

3) Cell and tissue specific regulation of sodium homeostasis conferring salinity tolerance in rice. Funded by (project CR-07) BAS-USDA, Ministry of Science and Technology, Bangladesh, July 2015-June 2018.

4) Management of wheat blast: a holistic approach with emphasis on early stage detection for forecasting. Funded by KGF (Krishi Gobashona Foundation), Bangladesh Agricultural Research Council (BARC), Bangladesh, July 2018-June 2021

5) Application of Gamma-ray irradiation to develop stress tolerant capability in Fodder crops and their Production performances under on-station and on-farm conditions. Funded by NATP Phase-II, Bangladesh Agricultural Research Council (BARC), Bangladesh, July 2018-June 2021.

5) **Rice Genomics and Transcriptomics: Functional studies of salinity and drought induced genes;** Post Doctoral Research, Institute of Systems Biology (INBIOSIS), Universiti Kebangsaan Malaysia (UKM), 43600 Bangi, Selangor Darul Ehsan, Malaysia, April 01, 2013 to March 31, 2014.

6) **Functions of rice monogalactosyldiacylglycerol synthase gene *OsMGD* by overexpressing in tobacco.** Ph. D and Post Doctoral research, October 2006 to September 2010, Laboratory of Plant Biotechnology, Tottori University, Japan.

7) **Functions of rice antiporter regulating protein (OsARP) through overexpression and gene silencing.** JSPS Post-Doctoral Research, October 2008 to September 2010, Laboratory of Plant Biotechnology, Tottori University, Japan.

8) **Functions of rice vacuolar antiporter regulating protein OsARP: Expression and sub-cellular localization in rice, and overexpression in tobacco.** Ph. D. Research, October 2004 to September 2008, Laboratory of Plant Biotechnology, Tottori University, Japan.

9**) Varietal improvement of rice, soybean, sesame and tomato through induced mutation and other advanced breeding techniques.** Plant Breeding and Genetics Division and Biotechnology Division, Bangladesh Institute of Nuclear Agriculture (BINA). November 2010 to 2021.

10**) Breeding of rice through conventional methods with special reference to mutation**. Plant Breeding and Genetics Division, Bangladesh Institute of Nuclear Agriculture (BINA). June 01, 1994 to October 2000.

FELLOWSHIPS AND AWARDS:

1) **Post Doctoral Research Fellowship.** Research theme **"Rice Genomics and Transcriptomics: Functional studies of salinity and drought induced genes; April 01, 2013 to March 31, 2014,** Institute of Systems Biology (INBIOSIS), Universiti Kebangsaan Malaysia (UKM), 43600 Bangi, Selangor Darul Ehsan, MALAYSIA.

2) **Japan Society for the Promotion of Science (JSPS) Post Doctoral Research Fellowship.** Research theme **"Functions of rice antiporter regulating protein (OsARP) through overexpression and gene silencing".** October, 2008 to September, 2010. Laboratory of Plant Biotechnology, Faculty of Agriculture, Tottori University, JAPAN.

3) Fellowship on **Plant Breeding and Genetics**: October 15, 2000 to October 14, 2001.USDA-ARS Dale Bumpers National Rice Research Center, Stuttgart, Arkansas, USA.

4) Training Fellowship on Biotechnology: **Micropropagation and Related Techniques for the Conservation and Use of Plant Genetic Resources and the Improvement of Crops**. Germany. February 03-June 04, 1997. German Foundation for International Development (DSE), Leipzig, GERMANY.

GRADUATE STUDENTS SUPERVISED: MS-14; PhD-06

MEMBERS OF SCIENTIFIC & PROFESSIONAL ORGANIZATIONS:

- Member, The Japanese Society of Plant Physiologists (JSPP).
- Member, Bangladesh Association for Advancement of Science (BAAS).
- Member, Plant Breeding and Genetics Society of Bangladesh (PBGSB).
- Member, Bangladesh Association for Biotechnology & Genetic Engineering (BABGE).
- Member, Bangladesh Association for Environmental Development (BAED).
- Member, Krishibid (Agriculturists) Institution of Bangladesh.

EMPLOYMENT:

1. **Name of employer:** Bangladesh Institute of Nuclear Agriculture (BINA), Bangladesh Agricultural University (BAU) Campus, Mymensingh-2202, Bangladesh.
2. **Department:** Biotechnology
4. **Total period of service:** 27 years

LIST OF PUBLICATIONS:

Peer Reviewed Articles:

1. *Wang, S., ***Uddin, M. I**., Tanaka, K. Yin, L. Shi. Z., Qi, Y., Mano, J., Matsui, K., Shimomura, N., Sakaki, T., Deng, Z and Zhang, S. Maintenance of chloroplast structure and function by overexpression of the rice MONOGALACTOSYLDIACYLGLYCEROL SYNTHASE gene leads to enhanced salt tolerance in tobacco. **Plant Physiology** 165:1144-1155. 2014 (*Joint first authors).

2**. Uddin, M. I.**, Qi, Y., Yamada, S., Shibuya, I., Deng, X. P., Kwak, S. S., Kaminaka, H. and Tanaka, K. Overexpression of a new rice vacuolar antiporter regulating protein OsARP improves salt tolerance in tobacco. **Plant and Cell Physiology** 49 (6): 880-890. 2008.

3. Anik, T. R., Islam, M.A., **Uddin, M. I.**, Islam, M. M., Rashid, M. H., Hossain, M. M., Razia, S. and Haque, M. S. 2021. Screening nad molecular analysis of some rice (*Oryza sativa* L.) genotypes for drought tolerance at seedling stage. **J. Animal Plant Sci.** 31 (6), 2021 (Accepted).

4. Islam, M.M., Rahman, M. T., Hasanuzzaman, M., Islam, M. S., **Uddin, M. I.** and Saha, N. R. *In vitro* response and effect of gamma irradiation on four local *indica* rice varieties. **J. Sci. Agric**. 4: 90-92, 2020

5. Islam, M. A., **Uddin, M. I.**, Bodiuzzaman, Akanda, M. S. M., Kumar. D.and Mahato, S. SSR-marker based phenotypic evaluation and molecular diversity analysis of some rice genotypes for drought prone areas. **Int. J. Bus.Soc. Sci, Res**. 7(3):45-52, 2019.

6. Ahmed, M. S., Anik, T. R., Islam. M. A., **Uddin, M. I.** and Haque, M. S,. screening of some rice (*Oryza sativa* L.) genotypes for salinity tolerance using morphological and molecular markers. **Biosci. Biotech. Res. Asia.** 16 (2): 377-390, 2019.

7. Khan, M. N. M., Islam, M. M., Islam, M. S.,and **Uddin, M. I.** Studies on *in vitro* response to callus induction and gene transfer technique of five high yielding *indica* rice varieties. **J. Sci. Agric.**3: 41-45, 2019.

8. Rashid, M.H., Rouf, M.A, Sarker, R. R. Khan, N. A.and **Uddin, M. I.** Coperative performance of indigenous and exotic Rhizobial strains on the growth and yield of lentil. **Bangladesh J. Nuclear Agric.** 33&34: 7-11, 2020.

9. Rashid, M.H., Rouf, M.A, Sarker, R. R. and **Uddin, M. I.** Indigenous rhizobial strains perform better on growth and yield of lentil. **Academia Journal of Agricultural Research.** doi: 10.15413/ajar.2017.185, 2017.

10. Hedayati P., Monfrad, H. H., Isa, N. M., Hwang, D. J., Zain, C. D. C. M., **Uddin, M. I.**, Zuraida, A. R., Ismail, I., Zainal, Z. Overexpression of the stress-associated protein (SAP) *SAPMR219* in *Oryza sativa* (var.MR219) increases salt tolerance in transformed *Arabidopsis thaliana* plants. **Plant Omics Journal**. 8(4):292-299. 2015.

11. Hedayati P., Monfrad, H. H., Isa, N. M., Hwang, D. J., Zain, C. D. C. M., **Uddin, M. I**., Zuraida, A. R., Ismail, I., Zainal, Z. Construction and analysis of an Oryza sativa (cv. MR219) salinity-related cDNA library. **Acta Physiologiae Plantarum** 37: 91-101. 2015.

12. Yin, L., Wang, S., Eltayeb, A. E., **Uddin, M. I.**, Yamamoto, Y., Tsuji, W., Takeuchi, Y. and Tanaka, K. Overexpression of dehydroascorbate reductase, but not monodehydroascorbate reductase, confers tolerance to aluminum stress in transgenic tobacco. **Planta** 231:609-621. 2010.

13. Islam,, M. A., Anik, T.R, and **Uddin, M. I.** Geneic Diversity Analysis of Bangladeshi Aromatic Rice using SSR markers, Arch. Agr. Env. Sci. 3: 297-303. 2018.

14. Hossain, M. M., Islam, M.A. and **Uddin , M. I.** Expressional analysis *of OsNHX1, OsNHX2, OsSOS1* and *OsDREB* transporters in salt tolerant FR13A and salt sensitive rice BRRI dhan-29 induced by salinity stress. **J. Agr. Vet. Sci.** 10: 64-70. 2017.

15. Hossain, M. M., Islam, M.A. and **Uddin , M. I.** Uptake of Na+ into roots and its transport into the shoot and leaf of salt tolerant cultivar FR13A and salt sensitive rice BRRI dhan-29. **J. Biotechnol. Biochem.** 03: 16-21. 2017.

16. Ullah, M. A., **Uddin, M. I.**, Puteh, A. A., Haque, M. S. and Islam, M. S. Alternative gelling agent for in vitro propagation of orchid (*Dendrobium sonia* L.). **J. Animal Plant Sci.** 25(3):792-797. 2015.

17. **Uddin, M. I.**, Rashid, M. H., Khan, N., Perveen, M. F., Tai, T. H. and Tanaka, K. Selection of promising salt tolerant rice mutants derived from cultivar 'Drew' and their antioxidant enzymes activity under salt stress. **SABRAO Journal of Breeding & Genetics** 39 (2):89-98. 2007.

18. Ali, M., Azam, M. A., Malek, M. A., **Uddin, M. I**., Rafii, M. Y. and Ismail, M. R. Genotype-environment interaction in some rice mutants (*Oryza sativa* L.). **Journal of Food Agriculture and Environment** 11(1):644-647. 2013.

19. Ullah, M. A., **Uddin, M. I.**, Haque, M. S., Rajib, R. R. and Haque, M. A. Corn And Potato Starch as Cost Effective Alternative Gelling Agents for *In Vitro* Propagation of Orchid. **Intl. J. BioRes**. 15(6):4-11. 2013.

20. Malek, M. A., Rahman, L., Hasan, L., **Uddin, M. I.**, Rafii, M.Y., and Ismail, M. R. Studies on some morphological characters and yield attributes of synthetic Brassica hexaploids and their parents. **African Journal of Biotechnology** 11(57):12030-12039. 2012**.**

21. **Uddin, M. I.**, Kihara, M, Yin, L., Perveen, M. F. and Tanaka, K. Expression and subcellular localization of antiporter regulating protein OsARP in rice induced by submergence, salt and drought stresses. **African Journal of Biotechnology** 11(65):12849-12855. 2012.

22. Perveen, M. F., Nagasawa, R., Ahmed, A. O. C., **Uddin, M. I.** and Kimura, R. Integrating biophysical and socio-economic data using GIS for land evaluation of wheat cultivation: A case study in north-west Bangladesh. **Journal of Food Agriculture and Environment** 6(2): 432-437. 2008.

23. Hossain, K. M. D., Yoshida, I., Harada, M. and **Uddin, M. I.** Effect of arsenic-contaminated water on food chain in Bangladesh: Analysis of arsenic in soil, water and plants. **Journal of Food Agriculture and Environment** 3(2): 282-286. 2005**.**

24. Hossain, K. M. D., Yoshida, I., Harada, M., Sarkar, A. A., Miah, M. N. H., Razzaque, M. A., **Uddin, M. I.**, Khelali, A. and Pervin, M. F. Growth and uptake of arsenic by rice irrigated with As-contaminated water. **Journal of Food Agriculture and Environment** 3(2): 287-291. 2005.

25. Hossain, K. M. D., **Uddin, M. I.**, Hassan, W. H. A. E., Perveen, M. F. Irshad, M. Islam, A. F. M. and Yoshida, I. A comparative study of household groundwater arsenic removal technologies and their water quality parameters. **Journal of Applied Sciences** 6(10): 2193-2200. 2006.

26. Rashid, M. H, Sattar, M. A., **Uddin, M. I.** and Young, J. P. W. Molecular characterization of symbiotic root nodulating rhizobia isolated from lentil (*Lens culinaris Medik.*). **Electronic Journal of Environment Agriculture Food and Chemistry** 8(8):602-612. 2009.

27. Khan, N., Faridullah and **Uddin, M. I.** Agronomic characters of groundnut (*Arachis hypogaea* L.) genotypes as affected by nitrogen and phosphorus fertilization under rainfed condition. **Electronic Journal of Environment Agriculture Food and Chemistry** 8(1):61-68. 2009.

28. Faridullah, Alam A., **Uddin M. I.** H. EL.Shrkawi and Ahmed I. A. M. Comparison of different cultivars of sorghum for green fodder, dry matter and some other morphological characters. **Bangladesh Journal of Environmental Sciences** 17:86-91. 2009.

29. Rashid, M. H., **Uddin, M. I**, Khan, A. R. and Shakh, N. U. Effect of indigenous and exotic *Bradyrhizobium* strains on growth and yield of soybean**. International Journal of Biological Research** 7 (4):1-7. 2009.

30. Faridullah, Irshad, M, Alam, A., Yamamoto S, **Uddin M. I,** Qasim M, Rashid, M. H and Ahmad Z. Agronomic Performances of Different Cucumber Genotypes Grown under Plastic Film as Off-Season Cultivation in Northern Areas of Pakistan. **Bangladesh Journal of Environmental Sciences** 17: 144-149. 2009.

31. Faridullah, Alam, A., Yamamoto, S., Irshad, M., Qasim, M., Alam, M., Din, M., Khan, N., **Uddin, M. I.** and Honna, T. Agronomic performances of different berseem cultivars tested at Karina Gilgit, Northern Areas, Pakistan. **Life Science International Journal** 2(3): 707-713. 2008.

32. Rashid, M. H, Sattar, M. A., **Uddin, M. I.** and Young, J. P. W. Characterization of Lentil Rhizobia Using BoxAI Primer. **Molecular Biology and Biotechnology Journal** 5(1&2):24-27.2007.

33. Faridullah, Qasim, M., Ahmad, Z, Ahmed, S., Hassan, W. A. **Uddin, M. I.**, Ashraf, M. and Alam, M. Performance of different wheat cultivars under rainfed conditions of Rawalakot. **Indus Journal of Plant Science** 5 (3): 860-862. 2006.

34. **Uddin, M. I.** and Shamsuddin, A. K. M. Correlations, Path Analysis and Selection Indices for Bread Wheat. **Bangladesh Journal of Agriculture** 26 (1&2): 79-86. 2001.

35. Azam, M. A. and **Uddin, M. I.** Two High Yielding Rice Varieties Developed through Induction of Mutation for Irrigated Season. **Bangladesh Journal of Nuclear Agriculture** 19&20: 41-49. 2004.

36. Islam, M. K., Patwary, A. K. and **Uddin, M. I.** Genetic Divergence in Rice under Rainfed Conditions. **Bangladesh Journal of Nuclear Agriculture** 18: 67-74. 2002.

37. **Uddin, M. I.** and Azam, M. A. Genetic Variation and Character Association in Rainfed Rice. **Bangladesh Journal of Agricultural Sciences** 29:39-43. 2002.

38. **Uddin, M. I.** and Shamsuddin, A. K. M. Genetic Variation and Inter-relationships between Yield and Yield Contributing Characters in Bread Wheat **Bangladesh Journal of Nuclear Agriculture** 15:7-14. 1999.

39. **Uddin, M. I.** and Shamsuddin, A. K. M. Divergence Analysis in Bread Wheat. **Bangladesh Journal of Nuclear Agriculture** 15: 51-56.1999.

40. Azam, M. A. and **Uddin, M. I.** Binadhan-4, An Improved Rice Variety Bred through Induced Mutation. **Bangladesh Journal of Nuclear Agriculture** 15:57-63.1999.

41. **Uddin, M. I.** and Azam, M. A. Correlation and Path Analysis for Yield and Yield Related Traits in Rainfed Rice **Bangladesh Journal of Nuclear Agriculture** 14:15-19.1998.

42 Mamun, A. A., Karim, S. M. R., Begum, M., **Uddin, M. I.** and Rahman, M. A. Weed Survey in Different Crops under Three Agro-ecological Zones of Bangladesh. **BAU Research Progress** 8: 41-51.1994.

43. Mamun, A. A., Karim, S. M. R., Haque, A. K. M. M., Begum, M., Kamal, M. M. and **Uddin, M. I.** Weed Survey in Wheat, Lentil and Mustard under Old Brahmaputra Floodplain and Young Brahmaputra & Jamuna Floodplain Agro-ecological Zones. **BAU Research Progress** 7:160-172. 1993.

Book chapter:

1. Azad, M.A.K, **Uddin, M.I.** and Azam, M.A. Achievements of Rice Research at BINA through Induced Mutation. Bioremidation, Biodiversity and Bioavailability 6 (Special Issue 1) **Global Science Books.** pp. 53-57.2012.

Proceedings:

1. Perveen, Mst. F., Nagasawa, R., **Uddin, M. I.** and Hossain, K. M. D. Crop-land suitability analysis using a multicriteria evaluation & GIS approach. Proceedings of the 5th Int'l Symposium on Digital Earth, June 5-9, Berkeley, California, USA. 2007.

Abstracts:

1**. Uddin, M. I.**, Qi Y., Yin L, Eltayeb A. E., Koso,T., Kaminaka H., Sakaki T, and Tanaka K. Overexpression of rice monogalactosyldiacylglycerol synthase gene *OsMGD* enhances tolerance to salt, drought and phosphate starvation in tobacco. 9th International Plant Molecular Biology (IPMB) Congress, St. Louis, Missouri USA, October 25-30. 2009.

2. **Uddin M. I.**, Uchiyama, Y., Yin, L., Yamada, S., Deng, X. P. and Tanaka, K. Relationship of salt and water stress tolerance with active oxygen scavenging enzymes in rice and wheat. CAS-JSPS Core University Program. China-Japan Joint Open Seminar on Combating Desertification and Development in Inland China of Year 2008, Tottori Japan. pp. 56-57. September 7-8, 2008.

3. **Uddin, M. I.,** Eltayeb, A. E., Shimomura N., Kaminaka, H. and Tanaka, K. Overexpression of a new rice vacuolar antiporter regulating protein OsARP(OsCTP) in tobacco enhances the tolerance to salt and drought stresses. Plant Cell Physiol. 49 (supplement) p. 244, 49th Annual Conference of Japanese Society of plant Physiologists (JSPP), Sapporo, Japan, March 19-22, 2008.

4. **Uddin, M. I**. and Tanaka, K. Overexpression of a new rice vacuolar cation transport protein (OsCTP) in tobacco enhances the tolerance to salt and drought stresses. Strategic International Cooperative Program, Japan Science and Technology Agency. pp. 11-12. 2007.

5. Tanaka, K., Sonobe, K., Hattori, T., **Uddin, M. I.**, and Amin, E. Isolation of drought tolerance related genes by Silicate and submergence Treatments. CAS-JSPS Core University Program. China-Japan Joint Open Seminar on Combating Desertification and Development in Inland China of Year 2007, Yangling, Shaanixi Province, P. R. China.pp. 57-58. September 7-8, 2007.

6. **Uddin, M. I.** and Tanaka K. Functions of novel abiotic stress-induced genes from indica rice cultivar FR13A.15th Conference , Bangladesh Society of Agronomy, Bangladesh Agricultural University (BAU) Mymensingh, p. 152, September 24-25, 2016.

7. Hossain,M. M, Kader, M. A. and **Uddin, M. I.** Uptake of Na+ into roots and its transport into the shoot and leaf of salt tolerant and salt sensitive rice cultivar. 15th Conference , Bangladesh Society of Agronomy, Bangladesh Agricultural University (BAU) Mymensingh, p. 154 September 24-25, 2016.

8. Hossain,M.M, Kader, M. A. and **Uddin, M. I.** Expression of ion transporters in salt tolearnt (Pokkali) and salt sensitive rice cultivars (BRRI dhan29) induced by salinity stress. 15th Conference , Bangladesh Society of Agronomy, Bangladesh Agricultural University (BAU) Mymensingh, pp. 154-155, September 24-25, 2016.

9. Hossain,M. M, Kader, M. A. and **Uddin, M. I.** Cloning of novel Na^+/H^+ antiporter gene (*OsNHX2*) from salt tolerant indica rice cultivar Pokkali. 15th Conference, Bangladesh Society of Agronomy, Bangladesh Agricultural University (BAU) Mymensingh, pp. 155-165, September 24-25, 2016.

10. Imran, S. Hossain,M. M, Kader, M. A. and **Uddin, M. I.** Expressional analysis of genes encoding HKT proteins in rice under salinity stress. 15th Conference, Bangladesh Society of Agronomy, Bangladesh Agricultural University (BAU) Mymensingh, p. 165, September 24-25, 2016.

11. Rima, S. K., Rubya, S. Islam, M. A., **Uddin, M. I.** and Haque, M. A. Resistance screening of tomato yellow leaf curl virus: A big challenge for tomato breeders.10th Biennial Conference, Plant Breeding and Genetics Society of Bangladesh, Bangladesh Agricultural University (BAU) Mymensingh, p. 61 January 7-8, 2017.

12. Hossain,M. M, **Uddin, M. I.**, Islam, M. A. and Kader, M. A. Expression of *OsNHX1, OsNHX2* and *OsSOS1* transporters in salt tolerant Pokkali and salt sensitive BRRI dhan29 rice induced by salinity stress. 10th Biennial Conference, Plant Breeding and Genetics Society of Bangladesh, Bangladesh Agricultural University (BAU) Mymensingh, p. 62 January 7-8, 2017.

13. Islam, M. A., **Uddin, M. I.**, Rashid, M. H. Hossain ,M. M, and Imran, S. Expressional analysis of novel stress tolerant genes *DREB, OsSAP* and *OsSalT* in rice induced by drought and submergence. 10th Biennial Conference, Plant Breeding and Genetics Society of Bangladesh, Bangladesh Agricultural University (BAU) Mymensingh, p. 63 January 7-8, 2017.

14. Islam, M. A., **Uddin, M. I.**, Rashid, M. H. Hossain ,M. M, and Imran, S. Expression of novel stress tolerant genes *OsSAP, OsMGD* and *OsGGT* in rice induced by salinity and submergence. 10th Biennial Conference, Plant Breeding and Genetics Society of Bangladesh, Bangladesh Agricultural University (BAU) Mymensingh, pp. 63-64, January 7-8, 2017.

15. Islam, M. A., **Uddin, M. I.**, Rashid, M. H. Hossain ,M. M, and Imran, S. Expression of novel ion transporters *OsNHX1*, *OsNHX2* and *OsSOS1* in rice induced by salinity and drought stresses. 10th Biennial Conference, Plant Breeding and Genetics Society of Bangladesh, Bangladesh Agricultural University (BAU) Mymensingh, p. 65, January 7-8, 2017.

16. Uddin, M. I. Yesmin Sabina, Islam, M. M., and Haque , M. S.Transfer of Na^+/H^+ antiporter gene *OsNHX2* in elite tomato cultivars through Agrobacterium mediated transformation.Bongabandhu International Conference on Sustainable Agriculture through Nuclear and Frontier Research. Bangladesh Institute of Nuclear Agriculture (BINA), p. 26, January 19-21, 2022

Bulletins:

1. Azam, M. A. and **Uddin, M. I.** An Early Maturing Rice Mutant Released as a Variety. International Atomic Energy Agency (IAEA). Mutation Breeding News Letter. 45:9-10. 2001.

REFEREES:

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