

Curriculum vitae

Personal Information:

AKBAR HOSSAIN *Ph.D*

Senior Agronomist
Wheat Research Center, Bangladesh Agricultural Research Institute
Nashipur, Dinajpur-5200, Bangladesh.

Nationality: Bangladeshi

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<https://www.mendeley.com/profiles/akbar-hossain2/>
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Languages: Russian, English (medium of education), Bengali (native)

Research Expertise & Interest:

1. Plant physiology (especially stress physiology), Crop management, weed biology and ecology, weed management
2. Conservation Agriculture, Conservation Agriculture based weed management, Crop management
3. Climate Change Impact Assessment on Agriculture
4. Modeling on climate change impact assessment of crops (DSSAT, APSIM, Farming System Model)

Nature of duties in my present Institute:

Research planning, execution, evaluation, report writing, presentation, publication, official administrative work. Also involve in specifying teaching, research supervisor and thesis examiner for in Master of Science in Agronomy student and Ph.D student.

Academic qualifications	
2013	Ph.D degree from Department of Ecology and Biological Sciences (Especially stress physiology of spring wheat), Astrakhan State University, Russia; under the dissertational council, D 212.243.13 in Federal State Budgetary Educational Institution of Higher Professional Education "Saratov State University named after N.G. Chernyshevsky", Saratov, Russia. Field of research was "Ecological conditions of northern Bangladesh effect on stress resistance and productivity of spring wheat".
2002	Master of Science in Agronomy, Bangladesh Agricultural University, Mymensingh, Bangladesh. Thesis topic: "Effect of Nitrogen on the allelopathic influence of rice (Cv. Woo co) on growth and development of Barnyard grass (<i>Echinochloa crus-galli</i> L. Beauv).
1997	Bachelor of Science in Agriculture, Bangladesh Agricultural University, Mymensingh, Bangladesh.
Teaching experience	Served as a teaching assistant from 15 January, 2010 to April 25, 2013 in Caspian Arid Agricultural Research Institute, Russian Academy of Science, Russia.
Research supervisor of MS students, Dept. of Agronomy, HSTU, Dinajpur-5200.	I supervised more than 5 (five) Master of Science in Agronomy students' research. Thesis title of these students are as follows: <ol style="list-style-type: none"> 1. Performance of different pre- and post-emergence herbicides in zero-dry till direct seeded Aman rice 2. Effect of sowing dates on phenology, growth and yield of recently released three wheat (<i>Triticum aestivum</i> L.) Varieties 3. Performance of different pre- and post-emergence herbicides for weed control in zero-till maize 4. Evaluation of phenology, growth, yield and stress tolerance indices of six wheat (<i>triticum aestivum</i> l.) varieties grown under late sown heat stress condition
MS thesis examiner, Dept. of Agronomy, HSTU, Dinajpur-5200.	Examined the following research thesis of Master of Science in Agronomy student: <ol style="list-style-type: none"> 1. Effect of organic (cowdung) and inorganic (sulphur) fertilizers on the growth and yield of aromatic rice
Professional Employment History	
Since 14 June, 2011	Senior agronomist, Wheat Research Center, Bangladesh Agricultural Research Institute, Bangladesh
2006-2011	Wheat agronomist, Wheat Research Centre, Bangladesh Agricultural Research Institute, Dinajpur, Bangladesh
2004-2005	Agronomist, Regional Agricultural Research Station, Bangladesh Agricultural Research Institute, Hathazari, Chittagong, Bangladesh
Honors and Awards	
2016	Awarded: India Science and Research Fellowship, 2016-17 by combined selection of Bangladesh Academy of Science and Department of Science and Technology, Ministry of Science and Technology, Government of India, to foster closer scientific and technological collaboration through human capacity building in advanced areas of research and development for scientists and researchers from neighboring countries.
2009	Awarded: Russian government Ph.D scholarship through the combined selection of Ministry of Education Russian Federation and Ministry of Education Bangladesh on the basis of academic results and scientific skill.
2006	Awarded: NARS scientists award' in Foundation Training Course's (Bath)" as a best scientist, awarded by Bangladesh Academy for Rural Development

Project activity	
	<p>I am engaged with two international collaborative projects as a research scientist. The activity of these projects are as follows:</p> <ol style="list-style-type: none"> 1. Since 2013, I have been working with ACIAR-CIMMYT funded ‘Sustainable Resilient Farming System Intensification (SRFSI)’ project. This project is working with conservation agricultural in Eastern Gangetic region of India, Bangladesh and Nepal. In, Bangladesh, it is working in North-Western part (Rangpur, Dinajpur and Rajshahi region) of Bangladesh. 2. Without the project, recently I start to work with another international collaborative project on ground water management in North-western Bangladesh, funded by CSIRO, Australia, (in collaboration with Bangladesh Agricultural University, Institute of Water Modeling and Bangladesh Agricultural Research Institute). Title: Sustaining groundwater irrigation for food security in the northwest region of Bangladesh. I am working in the project as a co-investigator. Objectives of the project- Assess and validate the long-term (1980s to date) water use of dry season irrigation for northwest Bangladesh using remote sensing and statistical techniques: <ol style="list-style-type: none"> 1. Assess spatiotemporal dynamics of land cover and land use, 2. Assess spatiotemporal dynamics of cropping systems (type, extent).
Another international collaborative research Project	<ol style="list-style-type: none"> 3. I am also working with another collaborative research on “Evaluation of Conservation Agriculture Practices on Irrigation and Nitrogen Use Efficiency of Rice-Wheat-Mungbean Crop Rotation” in collaboration with WRC-BARI, CSIRO-Australia, University of Queensland-Australia, ACIAR-Australia and CIMMYT-Bangladesh. The objectives of the study is to evaluate the effects of conservation agriculture practices on irrigation and fertilizer specially nitrogen requirements of the system, whether cropping system intensification from a rice-wheat system to a rice-wheat-mungbean system has any impact on systems yield and economic return; and need to assess both short and long-term impacts on crop and soil productivity of these cropping systems for sustainability issues.
Scientific/Professional Appointments	
	<p>I am serving as an editorial board member as well as reviewer in following listed journals:</p> <ol style="list-style-type: none"> 1. Editorial board member: Sumerianz Journal of Agriculture and Veterinary 2. Reviewer in African Journal of Agricultural Research 3. Reviewer in Nutrient Cycling in Agroecosystems 4. Reviewer in the journal of ‘Climate Change’ 5. Reviewer in the journal of ‘Agriculture, Ecosystem & Environment’ 6. Reviewer in the journal of ‘Ecological Indicators’ 7. Reviewer in the journal of ‘British Food Journal’ 8. Reviewers in the journal of ‘International Journal of Plant Production’ 9. Reviewer in the journal of ‘International Journal of Agricultural Research Innovation and Technology’ 10. Reviewer in the journal of ‘Pakistan Journal of Botany’. 11. Reviewer in in the journal of “Saudi Journal of Biological Sciences” 12. Editorial Board member in the journal of “Open Agriculture” 13. Editorial Board member in the journal of ‘Plant Science Today’ 14. Editorial Board member ‘Journal of Applied Biology & Biotechnology’

	<p>15. Reviewer in the journal of ‘Journal of Integrative Agriculture’</p> <p>16. Editorial Board member in the journal of ‘Journal of science, technology & environment informatics’</p> <p>17. Editorial board member in “International Journal of Applied Research”. Editorial board member in “International Journal of Applied Science-Research and Review”. link: http://www.ijas.org.uk/Default.aspx?pageid=17</p> <p>18. Editorial board member in “British Journal of Applied Science and Technology”. link: http://www.sciencedomain.org</p> <p>19. Editorial board member in “International Journal of Experimental Agriculture. Link: http://ggfjournals.com/content/editorialBoard/ijea</p> <p>20. As a guest editor to the Wheat Research special issue of the journal: Fruit, Vegetable and Cereal Science and Biotechnology (http://www.globalsciencebooks.info/Journals/FVCSB.html), publisher “Global Science Books”.</p>
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Publishing History

I am authored more than 73 journal articles, which were published in different national and international journals. A complete list of publications are available at:

1. https://www.researchgate.net/profile/Akbar_Hossain2?ev=hdr_xprf
2. <http://scholar.google.com/citations?user=b4COOxIAAAAJ&hl=en>
3. <https://www.mendeley.com/profiles/akbar-hossain2/>

Citation history (Google Scholar based)

Citation related	All	Since 2012
Citations	349	303
h-index	11	11
i10-index	13	11

List of my publications

1. EL Sabagh A., **Hossain A.**, Barutçular C., Khaled A.A.A., Fahad S., Anjorin F.B., Islam M.S., Ratnasekera D., Kizilgeçi, F., Yadav G.S., Yıldırım M., Saneoka H., 2018. Sustainable maize (*Zea mays L.*) production under drought stress by understanding its adverse effect, survival mechanism and drought tolerance indices. *Journal of Experimental Biology and Agricultural Sciences*, April - 2018; Volume – 6(2) page: (in press)
2. El Sabagh, A., **Hossain, A.**, Barutçular, C., Islam, M.S., Ratnasekera, D., Kumar, N., Saneoka, H., Meena, R.S. 2018. Salinity stress management for sustainable soybean production using foliar application of compatible antioxidants and soil application of organic fertilizers: a critical review. *Australian Journal of Crop Science* (in press).
3. El Sabagh, A., **Hossain, A.**, Barutçular, C., Islam, M.S., Ratnasekera, D., Kumar, N., Saneoka, H., Meena, R.S. 2018. Drought and salinity stress management for higher and sustainable canola (*Brassica napus L.*) production: a critical review. *Australian Journal of Crop Science* (in press).
4. Bazzaz, M.M., **Hossain, A.**, Timsina, J., Teixeira da Silva, J.A., Nuruzzaman, M., 2018. Growth, yield attributes and yield of irrigated spring wheat as influenced by sowing depth. *Open Agriculture*. 2018; 3: 72–83. <https://doi.org/10.1515/opag-2018-0008>

5. **Hossain, A.**, Sunil kumar gunri, Jaime A. Teixeira da Silva, Ayman El Sabagh, Manashi Barman, Viliana Vasileva. 2018. Isolation, characterization and purification of *rhizobium* strain for *Arachis hypogaea* L. to enrich it productivity. Bulgarian Journal of Agricultural Science (**in press**). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS. <http://journal.agrojournal.org/page/en-topmenu/home.php>
6. Das, S., Ali, M.M., Rahman, M.H., Khan, M.R., **Hossain, A.** 2018. Soil test based with additional extra nutrients increased the fertility and productivity of Wheat—Mungbean—T.aman rice cropping pattern in the High Ganges River Floodplain of Bangladesh. Bulgarian Journal of Agricultural Science (**in press**). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS. <http://journal.agrojournal.org/page/en-topmenu/home.php>
7. Akhter MM, **Hossain A**, Teixeira da Silva JA, Timsina J, Islam MS 2018. Growth and yield of five irrigated spring wheat genotypes as influenced by seed rate in Old Himalayan Piedmont Plain of Bangladesh. Songklanakarin Journal of Science and Technology (**in press**). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20Songklanakarin%20Journal%20of%20Science%20and%20Technology>
8. EL Sabagh, A., Barutçular, C., **Hossain, A.**, Islam, M.S., Ferhat Kizilgeçi, Shah Fahad. 2018. Response of maize hybrids to drought tolerance in relation to grain weight. Fresenius Environmental Bulletin (**in press**). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS. (Reference-No.: FEB_17_01998). <<http://www.scimagojr.com/journalsearch.php?q=22018&tip=sid>>
9. EL Sabagh, A., **Hossain, A.**, Islam, M.S., Barutçular, C., Ratnasekera, D., Kumar, N., Popović Vera, Saneoka, H. 2017. Role of osmoprotectants and soil amendments in sustainable soybean production under drought stress: a review. Journal of Experimental Biology and Agricultural Sciences (**in press**) will be published in February- 2018; Volume – 6(1). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS <<https://www.ncbi.nlm.nih.gov/nlmcatalog/101664286>>
10. EL Sabagh, A., **Hossain, A.**, Barutçular, C., Anjorin, F.B., Islam, M.S., Ratnasekera, D., Kizilgeçi, F., Yadav, G.S., Yildirim, M., Saneoka, H. 2017. A review on various factors which affecting sustainable maize (*Zea mays* L.) Production under drought stress. Journal of Experimental Biology and Agricultural Sciences (**in press**), December - 2017; Volume – 5(6). Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded, SCOPUS. <<https://www.ncbi.nlm.nih.gov/nlmcatalog/101664286>>
11. **Hossain A**, Islam MR, Rahman KAMM, Rashid MH and Anwari A. 2017. Comparative performance of three wheat (*Triticum aestivum* L.) varieties under heat stress. International Journal of Natural and Social Sciences, 4(3): 26-42. <<http://ijns.org/wp-content/uploads/2017/07/IJNSS-V4I3-04-pp-26-42.pdf>>
12. Ahmed B., **Hossain A.**, Halder T., Sultana M., Tamang D., Kumar S., Pal A., Sen J., Shabnam S., Dutta D. 2017. Mechanism underlying the uptake of Na⁺, K⁺ and Cl⁻ under salinity stress- A review. International Journal of Applied Research. 3(1): 33-37. < <http://intjar.com/wp-content/uploads/2017/05/IJAR-2017-0056-33-37.pdf> >
13. Timsina, J., Wolf, J., Guilpart, N., van Bussel, L.G.J., Grassini, P., van Wart, J., **Hossain, A.**, Rashid, H., Islam, S., van Ittersum, M.K., 2016. Can Bangladesh produce enough cereals to meet future demand? Agricultural Systems. doi: 10.1016/j.agry.2016.11.003
14. Jahan, M.A.H.S., **Hossain A.**, M.A.R. Sarkar, Jaime A. Teixeira da Silva, M.N.S. Ferdousi. 2016. Productivity impacts and nutrient balances of an intensive potato-mungbean-rice crop rotation in multiple environments of Bangladesh, Agriculture, Ecosystems & Environment, 231(1): 79-97. <http://dx.doi.org/10.1016/j.agee.2016.06.032>.
15. Akhter, M.M., **Hossain A.**, Timsina Jagadish, Teixeira da Silva J.A., Islam, M.S. 2016. Chlorophyll meter – a decision-making tool for nitrogen application in wheat under light soils. International Journal of Plant Production. (2016) 10(3): 289-302. <http://www.springer.com/life+sciences/agriculture/journal/42106>
16. Hossain M.S., **Hossain A.**, M.A.R. Sarkar, M. Jahiruddin, Teixeira da Silva J.A., M. Israil Hossain. 2016. Productivity and soil fertility of the rice-wheat system in the high Ganges River floodplain of Bangladesh is influenced by the inclusion of legumes and manure. Agriculture, Ecosystem and Environment. 218, 40–52. <http://www.sciencedirect.com/science/article/pii/S016788091530150X>
17. **Hossain A.**, Teixeira da Silva J.A., Bodruzzaman, M., 2015. Rate and application methods of potassium in light soil for irrigated spring wheat. Songklanakarin J. Sci. Technol. 37 (6), 635-642. Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded (SciSearch), SCOPUS, WorldCat, Directory of Open Access

- Journals (DOAJ), Magistriet Scholares, SciFinder. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20Songklanakarinn%20Journal%20of%20Science%20and%20Technology>
18. Sarker, M.A.Z., **Hossain Akbar**, Jaime A. Teixeira da Silva. 2015. Timing of First Irrigation and Split Application of Nitrogen for Improved Grain Yield of Wheat in Old Himalayan Piedmont Plain of Bangladesh. *British Journal of Applied Science and Technology*. 6(5): 497-507. <http://www.sciencedomain.org/abstract.php?iid=768&id=5&aid=7606>
 19. Sarker, K.K., Roy, D.K., **Hossain Akbar**, Islam, M.M. 2014. Effect of different levels of fertilizer and irrigation on the yield of wheat under raised bed system. *Agriculture, Forestry and Fisheries*. Vol. 3, No. 1, 2014, pp. 23-27. Abstracting and Indexing: Wissenschaftszentrum Berlin, Zeitschriftendatenbank, CrossRef, WorldCat, Researchbib, JournalSeek, Electronic Journals Library, Polish Scholarly Bibliography, Directory of Research Journals Indexing, Academic keys. doi: 10.11648/j.aff.s.20140301.14
 20. Sarker, M.A.Z., M.A. Alam, **Hossain Akbar**, M.A. Mannaf. 2014. Agro-Economic Performance of Crop Diversification in Rice Based Cropping Systems of Northwest Bangladesh. *Agriculture, Forestry and Fisheries*. Vol. 3, No. 4, 2014, pp. 264-270. Abstracting and Indexing: Wissenschaftszentrum Berlin, Zeitschriftendatenbank, CrossRef, WorldCat, Researchbib, JournalSeek, Electronic Journals Library, Polish Scholarly Bibliography, Directory of Research Journals Indexing, Academic keys. doi: 10.11648/j.aff.20140304.18
 21. Marina V. Lozovskaya, **Hossain Akbar**, A.M. Likhter, A.V. Velikorodov, M.I. Pirogovsky. 2014. Study the Nectars' Chemical Composition of Flowers Apple, Cherry and Pumpkin. *Thai Journal of Agricultural Sciences*. 46(2): 75-84. Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded (SciSearch), SCOPUS, WorldCat, Directory of Open Access Journals (DOAJ), Magistriet Scholares, SciFinder. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=Thai%20Journal%20of%20Agricultural%20Science>
 22. Golovachev M.V., Lozovskaya M.V., **Hossain Akbar**, Andrey V. 2014. Study the Fossils of Saiga in Southern-Lower Volga of Astrakhan, Russia. *Songklanakarinn Journal of Science and Technology*. 36 (1), 27-35, Jan. - Feb. 2014. Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded (SciSearch), SCOPUS, WorldCat, Directory of Open Access Journals (DOAJ), Magistriet Scholares, SciFinder. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20Songklanakarinn%20Journal%20of%20Science%20and%20Technology>
 23. **Hossain A.**, Sarker M.A.Z., Saifuzzaman M., Teixeira da Silva J.A., Lozovskaya M.V., Akhter M. M. 2013. Evaluation of growth, yield, relative performance and heat susceptibility of eight wheat (*Triticum aestivum* L.) genotypes grown under heat stress. *International Journal of Plant Production*. 7(3): 615-636. Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded (Sci. Search), Scopus, Directory of Open Access Journals (DOAJ), ISC. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=D&Full=INTERNATIONAL%20JOURNAL%20OF%20PLANT%20PRODUCTION>
 24. **Hossain A.**, Jaime A. Teixeira da Silva. 2013. Wheat and Rice, the Epicenter of Food Security in Bangladesh. 2013. *Songklanakarinn Journal of Science and Technology*. 35 (3), 261-274. Abstracting and Indexing: Thomson-Reuters products: Science Citation Index Expanded (SciSearch), SCOPUS. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20Songklanakarinn%20Journal%20of%20Science%20and%20Technology>
 25. **Hossain A**, Teixeira da Silva JA. 2013. Wheat production in Bangladesh: its future in the light of global warming. *AoB Plants* published online January 8, 2013, 5: pls042 (Annals of Botany Company). DOI: 10.1093/aobpla/pls042 (Indexed by Science Citation Index Expanded (SciSearch), Scopus. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20AoB%20PLANTS>
 26. **Hossain A**, Teixeira da Silva JA, Lozovskaya MV, Zvolinsky VP, Mukhortov VI. 2012. High temperature combined with drought affect rainfed spring wheat and barley in south-eastern Russia: yield, relative performance and heat susceptibility index. *Journal of Plant Breeding and Crop Science*. 4(11): 184-196. Indexed by: Chemical Abstracts, Open J-Gate, TEEAL, Genamics Journal Seek, CAB Abstract, VCU Library. <http://www.academicjournals.org/JPBCS/PDF/pdf%202012/Dec/Hossain%20et%20al.pdf>.
 27. **Hossain A**, Teixeira da Silva JA, Lozovskaya MV, Zvolinsky VP. 2012. High temperature combined with drought affect rainfed spring wheat and barley in South-Eastern Russia: I. Phenology and growth. *Saudi Journal of Biological Sciences*. 19(4): 473-487. Indexed: Thomson-Reuters products: Science Citation Index Expanded (SciSearch),

Scopus and Web of Science. <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&Full=%20Saudi%20Journal%20of%20Biological%20Sciences>

28. **Hossain A**, Teixeira da Silva JA. 2012. Phenology, growth and yield of three wheat (*Triticum aestivum* L.) varieties as affected by high temperature stress. *Notulae Scientia Biologicae*. 4(3): 97-106. Indexed Copernicus, Asian Science Citation Index, DOAJ, CABI, Cambridge Scientific Abstract etc. Available: <http://notulaebiologicae.ro/nsb/article/viewFile/7879/6988>
29. **Hossain A**, Teixeira da Silva JA., Lozovskaya MV, Zvolinsky VP. 2012. The Effect of High Temperature Stress on the Phenology, Growth and Yield of Five Wheat (*Triticum aestivum* L.) Genotypes. *The Asian and Australasian Journal of Plant Science and Biotechnology*. 6(1): 14-23. Indexed: CABI, Genamics JournalSeek, Ulrich's Periodicals Directory, Agriculture Resources, MedBioWorld). http://www.globalsciencebooks.info/JournalsSup/12AAJPSB_6_1.html
30. **Hossain A**, Lozovskaya MV, Zvolinsky VP, Teixeira da Silva JA. 2012. Effect of soil and climatic conditions on yield-related components performance of spring wheat (*Triticum aestivum* L.) varieties in the northern Bangladesh. *Natural Sciences: Journal of Fundamental & Applied Researches*. 2(39): 77-86. [http://www.aspu.ru/images/File/Izdatelstvo/EN%202\(39\)%202012/77-86.pdf](http://www.aspu.ru/images/File/Izdatelstvo/EN%202(39)%202012/77-86.pdf)
31. **Hossain A**, Lozovskaya MV, Zvolinsky VP, Teixeira da Silva JA. 2012. Effect of soil and climatic conditions on phenology of spring wheat varieties in the northern Bangladesh. *Natural Sciences: Journal of Fundamental & Applied Researches*. 2(39): 86-93. [http://www.aspu.ru/images/File/Izdatelstvo/EN%202\(39\)%202012/86-93.pdf](http://www.aspu.ru/images/File/Izdatelstvo/EN%202(39)%202012/86-93.pdf)
32. **Hossain A**, Lozovskaya MV, Zvolinsky VP. 2012. Effect of agro-climatic factors on grain yield of spring wheat varieties in the northern Bangladesh. *Natural Sciences: Journal of Fundamental & Applied Researches*. 3(40): 121-127. [http://www.aspu.ru/images/File/Izdatelstvo/EN%203\(40\)%202012/121-128.pdf](http://www.aspu.ru/images/File/Izdatelstvo/EN%203(40)%202012/121-128.pdf)
33. **Hossain A**, Lozovskaya MV, Zvolinsky VP. 2012. Effect of phosphate fertilizers on the yield of spring wheat under acid soil of northern Bangladesh. *Natural Sciences: Journal of Fundamental & Applied Researches*. 3(40): 128-135. [http://www.aspu.ru/images/File/Izdatelstvo/EN%203\(40\)%202012/128-136.pdf](http://www.aspu.ru/images/File/Izdatelstvo/EN%203(40)%202012/128-136.pdf)
34. **Hossain A**, Teixeira da Silva JA. 2012. Control of woodsorrel (*Oxalis europaea* Jord.) in wheat (*Triticum aestivum* L.) field by herbicides. Published April 12, 2012 in eWIS-2012-0010. http://www.shigen.nig.ac.jp/ewis/article/html/117/article.html;jsessionid=695D03C2BE93C6D318BDD077C808FF0D.4_5
35. **Hossain A.**, Sarker, M.A.Z., Saifuzzaman, M., Teixeira da Silva, J.A., Lozovskaya, M.V., Zvolinsky, V.P. 2012. Evaluation of Spring Wheat (*Triticum aestivum* L.) under Heat Stress: Phenology and Growth. *Journal of Stress Physiology & Biochemistry*. 8 (1): 57-76. Indexed: AGRIS, Copernicus, EBSCO, NEWJOUR, DOAJ, Cab Direct, Academic Journal Database, Electronic Journals Library, e-LIBRARY.RU, Genamics, J-gate etc.
36. **Hossain A.**, Sarker, M.A.Z., Saifuzzaman, M., Teixeira da Silva, J.A., Lozovskaya, M.V., Zvolinsky, V.P. 2012. Evaluation of Spring Wheat (*Triticum aestivum* L.) under Heat Stress: Yield and Heat Susceptibility Index. *Journal of Stress Physiology & Biochemistry*. 8 (1): 77-94. Indexed: AGRIS, Copernicus, EBSCO, NEWJOUR, DOAJ, Cab Direct, Academic Journal Database, Electronic Journals Library, e-LIBRARY.RU, Genamics, J-gate etc.
37. Ameen, T.E., **A. Hossain**, Teixeira da Silva, J.A. 2012. Genetic analysis and selection for bread wheat (*Triticum aestivum* L.) yield and agronomic traits under drought conditions. *International Journal of Plant Breeding*. 27 (1): 61-68. Indexed: CABI, Genamics Journal Seek, Ulrich's Periodicals Directory, Agriculture Resources, MedBioWorld). Available online at: <http://www.globalsciencebooks.info/Journals/IJPB.html>
38. Hakim MA, **A. Hossain**, Teixeira da Silva JA, Zvolinsky VP, Khan MM. 2012. Yield, protein and starch content of 20 wheat (*Triticum aestivum* L.) genotypes exposed to high temperature under late sowing conditions. *Journal of Scientific Research*. 4 (2): 477-489. (Indexed: PKP Harvester, DOAJ, CrossRef, Chemical Abstracts, PubMed, SCOPUS (in process), Google Scholar, METS; e-journal holdings: EBSCO, OPEN J-Gate, Universe Digital Library etc.). Available online at: <http://www.banglajol.info/index.php/JSR/article/view/8679>
39. Tatyana Anatolyevna Trofimova, **A. Hossain**, Jaime A. Teixeira da Silva. 2012. The Ability of Medical Halophytes to Phytoremediate Soil Contaminated by Salt and Heavy Metals in Lower Volga, Russia. *The Asian and Australasian Journal of Plant Science and Biotechnology*. 6 (special issue 1): 108-114. Indexed: CABI, Genamics JournalSeek, Ulrich's Periodicals Directory, Agriculture Resources, Med-Bio World). Available: http://www.globalsciencebooks.info/JournalsSup/12AAJPSB_6_1.html

40. **Hossain A**, Sarker M.A.Z., Hakim M.A., Lozovskaya M.V. and Zvolinsky. 2011. Effect of temperature on yield and some agronomist characters of spring wheat. *International Journal of Agricultural Research Innovation and Technology*. 1(1&2): 9-15. (Indexed by DOAJ, e-Journal.org, Highwire, Open Access etc). Available in following website: <http://www.doaj.org/doaj?func=openurl&issn=22240616&genre=journal>
41. **Hossain A**, Sarker M. A. Z., Hakim M.A., Islam Mst. T., and Ali M.E. 2011. Effect of Lime, magnesium and Boron on wheat (*Triticum aestivum* L.) and their residual effect on mungbean (*Vigna radiata* L.).*International Journal of Agricultural Research Innovation and Technology*. 1(1&2): 44-54. (Indexed by DOAJ, e-Journal.org, Highwire, Open Access etc). Available in following website: <http://www.doaj.org/doaj?func=openurl&issn=22240616&genre=journal>
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70. **Hossain A**, Mst. T. Islam, A.A. Mamun and S.M.R. karim. 2006. Effect of nitrogen on the allelopathic influence of rice (Woo co) in controlling Barnyardgrass (*Echinochloa crus-galli*) under pot culture. Bangladesh Journal of Seed Science and Technology.10 (1&2), 57-62. (Peer reviewed)

71. Iqbal, S.M., M.H. Reja, M.M. Islam, M.M. Islam and **A. Hossain**. 2006. Effect of GA3 and NNA on sex expression and fruiting behaviour of Litchi (*Litchi chinensis*) cv. BOMBAL. Bangladesh Journal of Seed Science and Technology. 10(1&2): 19-23. (Peer reviewed)

Submitted publications with peer review process

1. M.A.H.S. Jahan, **Hossain A.**, Jagadish Timsina, Jaime A. Teixeira da Silva, M. Golam Mahub, M. Farhad. Evaluation of six wheat genotypes grown under multiple environments using stress tolerance indices and GGE biplot analysis. Submitted to: Agricultural and Forest Meteorology.
2. M.M. Bazzaz, **Hossain, A.**, Jagadish Timsina, Jaime A. Teixeira da Silva, M. Nuruzzaman. Seedling emergence, initiation of seminal roots, initial plant biomass, and the yield of irrigated spring wheat are influenced by sowing depth. Submitted to: Songklanakarin Journal of Science and Technology.
3. M.M. Akhter, **Hossain A.**, Jaime A. Teixeira da Silva, Jagadish Timsina, M.S. Islam. Growth, yield and yield attributes of five irrigated spring wheat genotypes as influenced by seed rate in Old Himalayan Piedmont Plain of Bangladesh. Submitted to: Songklanakarin Journal of Science and Technology.
4. M.A.H.S. Jahan, **Hossain A.**, Jaime A. Teixeira da Silva, M.H. Rashid. Effect of naphthaleneacetic acid on root and plant growth, and yield of ten irrigated wheat genotypes. Submitted to: Saudi Journal of Biological Sciences.
5. Murad, K.F.I., Alison Moore, **Akbar Hossain**. Salinity management in black snake creek catchment of Queensland, Australia: A case study on multi-scale collaboration in a peri-urban area. Submitted to: Saudi Journal of Biological Sciences. Submitted to Journal of Environmental Management.
6. M.A.H.S. Jahan, **Akbar Hossain**, Jagadish Timsina, M.A.R. Sarkar, M Salim. Productivity, nutrient balances and economics of T-*Aman* rice is influenced by integrated nutrient management in two agro-ecological zones of Bangladesh. Submitted to Journal of Plant and Soil.

Conference/seminar Publications

1. Timsina, J., **Hossain, A.**, Islam, S., Wolf, J., Ittersum, M.V., 2015a. Bridging the yield gap for food security: a case of Bangladesh. In: International Fertilizer Association Conference, 20-22 October 2015. Crossroads, Asia-Pacific, Kualalumpur, Malaysia.
2. Timsina, J., Wolf, J., Bussel, L.V., **Hossain, A.**, Rashid, H., Islam, S., Guilpart, N., Wart, J.V., Ittersum, M.V., 2015b. Can Bangladesh produce enough food in (2030 and) 2050? In: Second International Conference on Global Food Security. 11-14 October 2015, Cornell University, Ithaca, NY, USA.
3. Sarker, M.A.Z., M.M. Akhter, **Hossain Akbar**. 2014. Wheat Requires Less Amount of Applied Fertilizers in Long Term Zero Tillage. In: Proceeding of the Conference on Conservation Agriculture for Smallholders in Asia and Africa. 7-11 December, 2014, Mymensingh, Bangladesh. (Eds. W.H. Vance, R.W. Bell, M.E. Haque). Published as an E-Book. Pp-165-166 paper in Proceeding.
4. **Hossain A**, Lozovskaya MV, Zvolinsky VP, Tutuma, N.V. 2012. Effect of Soil Resources and Climatic Factors (Temperature) on spring wheat and barley in the northern Bangladesh and southern Russia. Paper presented in "International scientific and practical conference", held in "Caspian Scientific Research Institute of Arid Agriculture", Astrakhan, Russia, from 16-18 May 2012. (Russia)

Training received

No	Name of Training	Duration	Institute/universities/Centre
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1.	Conservation Agriculture: Gateway for Productive & Sustainable Cropping Systems in Asia	24 Oct.-07 Nov., 2015	Organized jointly CIMMYT, PAU, BISA, Punjab, India
2.	Approaches for integrated analysis of agricultural systems in South Asia: field, to farm, to landscape scale	18-23 May, 2015	Organized jointly NRM division of ICAR and CIMMYT; Venue: ICAR-CSSRI, Karnal (Haryana), India
3.	“R” Tutorial for Data Analysis and Management.	19-21 December, 2014	Organized and Funded by CIMMYT-CSISA-MI and CIMMYT-SRFSI Project; Venue: CIMMYT-Dhaka office, Bangladesh
4.	Training on “Conservation Agriculture, Farm Machinery, and On-Farm Research & Data Management”	28 Sept.-02 October 2014	Organized and Funded by CIMMYT-CSISA-MI and CIMMYT-SRFSI Project; Venue: FMP Engineering Division, BARI, Gazipur, Bangladesh
5.	Training Workshop on DSSAT Model for “Modeling Climate Change Impact on Agriculture”	07-19 June 2014	Organized and Funded by Krishi Gobeshona Foundation (KGF), BARC Complex, Farmgate, Dhaka; Venue: BRAC-CDM, Savar, Bangladesh
6.	Training on Agricultural Innovation Systems for the project entitled “Sustainable Resilient Farming Systems Intensification (SRFSI)”	29-31 October, 2013	Organized and Funded by ACIAR in collaboration with CIMMYT & Centre for Research on Innovation and Science Policy (CRISP-India); Venue: Hotel Barsana, Bagdogra, Siliguri, India
7.	Special Training Course on “Open Source Biometrical Computing with R”	15-17 June 2013	Organized and Funded by Bangladesh Agricultural Research Institute, Gazipur-1701; Venue: ICT-Biometrical Lab, Agricultural Statistics and ICT Division, BARI, Joydebpur, Dhaka.
8.	Training on “Research Methodology” sponsored by BARC	01-13 Nov. 2008	Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Bangladesh
9.	“English Proficiency” Test (Speaking, Listening, Reading and Writing)	02 Nov. 2008	Department of Languages, Bangladesh Agricultural University, Mymensingh, Bangladesh
10.	Wheat Improvement	11-15 Feb. 2007	Wheat Research Centre, BARI Nashipur, Dinajpur
11.	Computer Skill for Data Management, Analysis, Reporting and Use of Internet	08-18 April 2007	Bangladesh Agricultural Research Institute, Joydebpur, Gazipur, Dhaka
12.	“Foundation Training Course” (N.B. I was placed in the third position and awarded crest of honor)	12 Feb.-11 June 2006	Bangladesh Academy for Rural Development, Camilla
13.	Special Light Driving Training course	02-23 April 2006	Bangladesh Road Transport Corporation Central Training Institute, Gazipur
14.	Attachment program in RDA, Bogra related to data collection and scientific report writing	07-11 May 2006	Rural Development Academy, Bogra
15.	Basic Knowledge of Computer Hardware & Software	17-21 Sept. 2006	Wheat Research Centre, BARI Nashipur, Dinajpur
16.	Orientation Training Course on newly recruited scientist	18 –30 June 2005	Bangladesh Agricultural Research Institute, Gazipur, Dhaka
17.	English language course ” Communicative English”	01 Sept.- Oct. 2002	Department of Languages, Bangladesh Agricultural University, Mymensingh, Bangladesh
18.	Fundamentals of Computer and MS words	06-19 Feb. 2002	Graduate Training Institute, Bangladesh Agricultural University, Mymensingh,
19.	Participatory Rural Appraisal (PRA) study on farming systems at Rajgonj village of kotwali thana, Mymensingh.	27 June 2002	Faculty of Agricultural, Department of Agronomy, Bangladesh Agricultural University, Mymensingh

20. Practical courses in Agricultural Extension (Under took a week long extension field trip and submitted a field trip report as a major assignment	26-31 August 2000	Faculty of Agricultural, Department of Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh
21. English Proficiency Course "Written Business Communications"	Sept. – Dec.1992	Dhaka Young Men's Christian Association, Yeskaton, Dhaka

Members:

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