CURRICULUM VITAE
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Nationality: Bangladeshi (by birth)
Age (01 March 2016): 45 years

Education

Year	Degree	Class /Division	Major subjects
2011	PhD Microbial Biotechnology Universiti Putra Malaysia	**Distinction**	Soil Ecology & Microbiology, Beneficial Microbes in Agrobiotechnology, Gene Expression and Genetic Engineering in Agrotechnology
1999	MS Agroforestry and Environment Bangabandhu Agricultural University	**First**	Principles of Crop Production Soil and Water Conservation Soil erosion and conservation
1992	BSc Agriculture Bangladesh Agricultural University	**First**	Agriculture
1988	Higher Secondary Certificate Kapasia College, Gazipur	**First**	Science
1986	Secondary School Certificate Kapasia, Gazipur	**First**	Science

Professional position

Feb 2014 to date	**Professor**, Department of Agroforestry & Environmental Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Feb 2010 − Feb 2014	**Associate professor**, Department of Agroforestry & Environmental Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Feb 2005 − Feb 2010	**Assistant professor** Department of Agroforestry & Environmental Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Nov 1997 − Feb 2005	**Lecturer**, Department of Agroforestry & Environmental Science Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Jul 2014 to Jan 2016	**Fellow Researcher**, Laboratory of Food Crops, Institute of Tropical Agriculture, Universiti Putra Malaysia, 43400 Serdang, Malaysia
Apr 2012 to Jun 2014	**Post-Doctoral Researcher**, Faculty of Agriculture, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia
Dec 2007 − Aug 2011	**PhD Researcher**, Universiti Putra Malaysia, 43400 Serdang Selangor Malaysia

Research Interest Organic Farming, Biological control, Waste management

Country visit for study, **research and other purpose**

2005	India, Study tour
2007	Malaysia, PhD

Computer literacy MS-word, MS-excel, MS-power point, SAS program

Scholarships/Awards

2012	Gold medal for journal paper competition (PRPI), Universiti Putra Malaysia
2012	Post-Doctoral Fellowship, Universiti Putra Malaysia for PD Research
2011	Silver medal for journal paper competition (PRPI), Universiti Putra Malaysia
2011	Graduate Research Assistantship, Universiti Putra Malaysia for PhD study
2008	Graduate Research Fellowship, Universiti Putra Malaysia for PhD study

List of publications

Citation Indexed Journal

No	Journal
1	S.H. Habib, **H. Kausar** and H.M. Saud (2016). Plant Growth-Promoting Rhizobacteria Enhance Salinity Stress Tolerance in Okra through ROS-Scavenging Enzymes. BioMed Research International. Volume 2016, Article ID 6284547, http://dx.doi.org/10.1155/2016/6284547 (**ISI, IF**- 1.6)
2	S.H. Habib, **H. Kausar**, H.M. Saud, M.R. Ismail and R. Othman (2016). Molecular characterization of stress tolerant plant growth promoting rhizobacteria (PGPR) for growth enhancement of rice. *Int. J. Agric. Biol.*, 18: 184–191(**ISI, IF**– 0.90)
3	G.T. Shimber, M.R. Ismail, M. F. Ramlan**,** M. Marziah, **H. Kausar** and M.A. Hakim (2015). Effect of water deficiency on growth and dry matter yield of selected Robusta Coffee (*Coffea canephora* pierre ex froehner) Clones in Malaysia. *Journal of Environmental Biology* 36 : 1239–1245 (**ISI, IF**- 0.56)
4	A.R. A'fifah, M.R. Ismail, E.M.W. Putrei, S.N.A. Abdullah, Z. Berahim, R. Bakhtiar and **H. Kausar** (2015). Optimum fertigation requirement and crop coefficients of chilli (*Capsicum annuum*) grown in soilless medium in the tropic climate. *Int. J. Agric. Biol.*, 17: 80–88 (**ISI, IF**– 0.90)
5	**H. Kausar**, M.R. Ismail, H.M. Saud, M. Sariah, R. Othman and S.H. Habib (2014). Efficacy of *microbial infused* rice straw compost on plant growth promotion and induction of disease resistance in chilli. Compost Science and Utilization. 22: 1–9 (**ISI, IF**– 0.69)
6	**H. Kausar**, M. R. Ismail, H. M. Saud, M. Sariah, R. Othman, S. H. Habib (2013). Use of lignocellulolytic microbial consortium and pH amendment on composting efficiency of rice straw. Compost Science and Utilization. 21: 121–131 (**ISI, IF**– **0.69)**
7	**H. Kausar**, M.R. Ismail, H. M. Saud, M. Sariah, R. Othman, and S.H. Habib (2013). Changes of physiochemical characteristics during microbial infused rice straw composting at various pH levels. Compost Science and Utilization. 22:153–163 (**ISI, IF**– 0.69)
8	**H. Kausar,** M. Sariah, M.R. Ismail, H. M. Saud, S.H. Habib and Z. Berahim (2012). Development of a potential lignocellulolytic resource for rapid bioconversion of rice straw. African Journal of Biotechnology. 11: 9235– 9242.

9 **H. Kausar**, M. Sariah, H. M. Saud, M. Z. Alam and M. R. Ismail (2011). Isolation and screening of potential actinobacteria for rapid composting of rice straw. Biodegradation. 22:367–375 (**ISI, IF**- 2.49)

10 **H. Kausar**, M. Sariah, H. M. Saud, M. Z. Alam and M.R. Ismail (2010). Development of compatible lignocellulolytic fungal consortium for rapid composting of rice straw. International Biodeterioration & Biodegradation. 64:594-600 (**ISI, IF**- 2.46)

11 Y. Siddiqui**,** M. Sariah and **H. Kausar (**2011). First Report of *Podosphaera fusca* Causing Powdery Mildew of *Cosmos caudatus* in Malaysia. Plant Disease. 95 : 495 (**ISI, IF-2.51)**

12 S. Siddiquee, B. Cheong, K. Taslima, **H. Kausar** and M. M. Hasan (2012). Separation and identification of volatile compounds from liquid cultures of *Trichoderma harzianum* by GC-MS using serially triple capillary columns. Journal of chromatography science. 50:358–367(**ISI, IF-0.98)**

13 S. Siddiquee, U.K., Yusuf, **H. Kausar** and S. Jahan (2009). *In vitro* studies on the potential *Trichoderma harzianum* for antagonistic properties against *Ganoderma boninense*. Journal of Food, Agriculture & Environment. 7:970–976 (**ISI, IF-0.435)**

14 Erwan, M. R. Ismail, H. M. Saud, S.H. Habib, S. Siddiquee and **H. Kausar (**2012). Physical, chemical and biological changes during the composting of oil palm frond. African Journal of Microbiology Research. 6(19): 4084 – 4089

15 S. Mokhtari, M.R., Ismail, **H. Kausar,** M. H. Musa, P.E.M., Wahab, Z., Berahim, M.H. Omar and S. H. Habib (2013). Use of organic enrichment as additives in coconut coir dust on development of tomato in soilless culture. Compost Science and Utilization. 21: 16–21 (**ISI, IF**- 0.59)

16 Erwan, M.R., Ismail, H.M., Saud, R., Othman, S.H. Habib and **H. Kausar (2013).** Effect of oil palm frond compost amended coconut coir dust soilless growing media on growth and yield of cauliflower. International Journal of Agriculture and Biology. 15:731–736 (**ISI, IF**- 0.81)

17 Mukhlis, H.M., Saud, M. Sariah, M.R. Ismail, **H. Kausar** and S.H. Habib (2013). Potential lignocellulolytic *Trichoderma* for bioconversion of oil palm empty fruit bunches. Australian Journal of Crop Science. 7: 425–431(**ISI, IF-1.66**)

18 Kareem, I., M.R., Ismail, A. Puteh, A. A., Rahim, S. H. Habib and **H. Kausar (2013).** Potential osmotic and hormonal priming for higher productivity of rice. Journal of Food, Agriculture & Environment. 11: 737–741(**ISI, IF**- 0.435)

19 W.M. Zulkarnain, M.R. Ismail, H.M. Saud, R. Othman, S.H. Habib and **H. Kausar (2013).** Growth and yield response to water availability at different growth

stages of ice. J. Food, Agriculture & Environment. 11(2):540–544(**ISI, IF**- 0.435)

20 W.M. Zulkarnain, M.R. Ismail, H.M. Saud, R. Othman, S.H. Habib and **H. Kausar (2013).** Effect of synthetic cytokinin precursors on growth and yield of rice under limited water. Journal of Food, Agriculture & Environment.11:372–375 (**ISI, IF**- 0.435)

21 B.K.A. Jabbar, H.M. Saud, S.H. Habib and **H. Kausar** (2013). Effect of molybdenum in association with *Azospirillum* on enhanced biological nitrogen fixation, growth and yield contributing characters of soybean. Legume Research. 36:522–527 (**ISI, IF**- 0.08)

22 B.K.A. Jabbar, H. M. Saud, S.H. Habib and **H. Kausar** and M. R. Ismail (2013). Effect of molybdenum in association with *Azospirillum* on enhanced biological nitrogen fixation, growth and yield contributing characters of soybean. Journal of Food, Agriculture & Environment. 12: 302 –306 (**ISI, IF**- 0.435)

23 A.A. Razak, M.R. Ismail, M.F. Karim, M.P.E. Wahab, S.N. Abdullah and **H. Kausar** (2013)**.** Changes in leaf gas exchange, biochemical properties, growth and yield of chilli grown under soilless culture subjected to deficit fertigation. Australian Journal of Crop Science. 7: 1582–1589 (CIJ)

24 G.T. Shimber, M.R. Ismail, **H. Kausar,** M. Marziah and M. F. Ramlan (2014). Effect of Soil Drying on Rate of Stress Development, Leaf Gas Exchange and Proline Accumulation in Robusta Coffee (*Coffea canephora* pierre ex froehner) Clones. *Expl Agric.* 50 : 458–479 (**ISI, IF**- 1.16)

25 G.T. Shimber, M.R. Ismail, **H. Kausar,** M. Marziah and M.F. Ramlan (2013). Plant water relations, crop yield and quality of rabica coffee (*Coffea rabica*) as affected by supplemental deficit irrigation. International Journal of Agriculture and Biology. 15: 665–672 (**ISI, IF**- 0.81)

26 G.T. Shimber, M.R. Ismail, **H. Kausar,** M. Marziah and M.F. Ramlan (2013). Plant water relations, crop yield and quality in coffee (*Coffea rabica* L.) as influenced by partial root zone drying and deficit irrigation. Australian Journal of Crop Science. 7(9): 1361–1368 (CIJ)

27 F. Adzmi, H.M. Saud, M.R. Ismail, R. Othman and **H. Kausar** (2014). Co-inoculation of nitrogen fixing and phosphate solubilising microorganisms in combination with chemical fertilizer on growth and development of rice. Crop Research (0970-4884), 47:1-6. (**ISI, IF**- 0.11)

28 M.M. Rahman, S.M.M. Rahman, **H. Kausar**, M.F. Hasan and S.H. Habib (2011). Study on the growth and development of brinjal shoot and fruit borer with different diets. African Journal of Biotechnology. 10(57):12299–12302 (CIJ)

29 M. F. Samsuddin, H. M. Saud, M. R. Ismail, R. Othman, M. H. Omar, S. H. Habib and **H. Kausar** (2014). Effect of different combinations of coconut coir dust and compost on rice grown under soilless culture. J. Food, Agriculture & Environment. 12: 1280 – 1283. (**ISI, IF**- 0.435)

30 N. Laila, U. Kalsom, Y. A. Ismail and **H. Kausar** (2014). Trichoderma Spp.: A biocontrol agent for sustainable management of plant diseases. *Pak. J. Bot*., 46(4): 1489-1493 (ISI, IF-1.23)

31 S.H. Habib, **H. Kausar** and H.M. Saud (2014). Efficient oil palm total RNA extractionwith a total RNA extraction kit. Genet. Mol. Res. 13 (2): 2359 - 236 (**ISI, IF**- 0.998)

Non Citation Indexed Journal

32 M.A.Hakim, Abdul S. Juraimi, M. Hasanuzzaman, M.R.Hasan and **H. Kausar.** 2008. Toxicity Assessment of Groundwater Quality in Bangladesh. Journal of Subtropical Agricultural Research and Development 6(2): 496-501

33 S. H. Habib, **H. Kausar**, M.A. Hoque, M.M. Khatun and M. A. Hossain. 2007. Character association and path analysis in hybrid rice. J. Subtrop. Agric. Res. Dev. 5(3): 305-308

34 S. H. Habib, **H. Kausar**, A.K.M. Shamsuddin, M.A. Quddus and M.M. Nuruddin. 2006. Heterosis and combining ability for grain yield and yield contributing characters in spring wheat. *J. Agric. Sci. Tech*. Bangladesh Agric. Institute Teachers' Society, Dhaka 7 (1&2)

35 M. G. Mandal, **H. Kausar** and M.N.I. Manik. 2002. Response of foxtail millet to different levels of irrigation and nitrogen. *J. Agric. Sci. Tech*. Bangladesh Agric. Institute Teachers' Society, Dhaka.3 (2)

36 M. R. Amin, **H. Kausar** and A. K. M. R. Ahamed.2002. Performance of pineapple grown in association with trees. *J. Agric. Edu. Tech*. Agric. Educator's forum, Dhaka, Bangladesh. 5 (1&2): 73-76

37 **H. Kausar**, M. A. Quddus, M. G. Miah and M. A Haque. 2000. Shade effect on the yield and quality of pineapple in a jackfruit-pineapple agroforestry system. *J. Agric. Sci. Tech*. Bangladesh Agric. Institute Teachers' Society, Dhaka.1 (1): 51-56

38 A. M. M. Shamsuzzaman, M. A. Hossain, A. M. M. Khalequzzaman, **H. Kausar** and K.U. Ahamed. 2000. Propagation of *Casuarina equisetifolia* through stem cutting. *J. Agric. Sci. Tech*. Bangladesh Agric. Institute Teachers' Society, Dhaka.1 (1): 35-42

39 M. M. Rahman, M.A. Latif, M.R. Ali, **H. Kausar** and M. S. Islam. 1998. Study on the correlation of yield and yield contributing characters of some fine rice cultivers. *J. Agric. Edu. Tech*. Agric. Educators forum, Dhaka, Bangladesh. 1(2): 87-90

Chapters in Book

40 H. Kausar, Mohd Razi Ismail, Halimi Mohd Saud, Z. Berahim, S. H. Habib, R. Othman and S. H. Bhuiyan. 2016. Microbial Composting of Rice Straw for Improved Stability and Bioefficacy. In K. R. Hakeem, M. S. Akhtar and S. N. A. Abdullah (Eds.), Plant, Soil and Microbes, SpringerLink, pp 271-290

Projects as co-researcher

No	Project Title	Amount Approved (RM)	Duration	Status
1	Food Security – Enhances Sustainable Rice Production	10,000,000.00	2011- 2016	Open
2	Influence of Iron (Fe) and Molybdenum (Mo) on Nitrogen fixation and Phosphate solubilization in aerobic rice inoculated with beneficial microorganisms	155,000.00	2012-2014	Completed
3	Impact of soil pH changes and biopesticides for controlling the spread of Ganoderma infection	464,600.00	2013-2015	Completed

Presentations/ participations in international conferences/seminars

Kausar, **H.,** Sariah, M., Saud, H.M., and Ismail, M.R. (2013). Potential lignocellulolytic bioresource for rapid bioconversion of rice straw. First National LRGS food security rice research colloquium, Universiti Putra Malaysia, Malaysia, P.32

Kausar, H., Ismail, M.R. and R. Othman. (2013). Lignocellulolytic microbial consortium and pH amendment on bioconversion efficacy of rice straw. International conference on crop improvement (ICCI 2013). Issues and prospects for biotechnology intervention. 25-26 November 2013, Equatorial Hotel, Bangi, Selangor, Malaysia, pp 51-52

Kausar, H., Ismail, M.R. and Othman, R. (2013). Development of potential bioresource for bioconversion of rice straw. International congress of the Malaysian Society for Microbiology (ICMSM2013) 12-15 December 2013, Langkawi Lagoon Resort, Kedah, Malaysia, p 65

H. Kausar, M. Sariah, H. Mohd Saud, M. Zahangir Alam, M. Razi Ismail. 2010. Potential lignocellulolytic bacteria for rapid bioconversion of rice straw. In Abstract Book: International Conference on Food Security during Challenging Times. Poster presentation, 5-7th July 2010, Universiti Putra Malaysia, Serdang, Selangor, Malaysia, pp 214-217

Referees

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Dr. Radziah Othman — Associate Professor & Head, Department of Land Management, Faculty of Agriculture, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.
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