Research Publications Since 2000

Peer Reviewed Research Publication

Year	No of Publications	Year	No of Publications
2021	14	2010	25
2020	32	2009	31
2019	29	2008	27
2018	34	2007	24
2017	32	2006	19
2016	35	2005	17
2015	37	2004	16
2014	37	2003	25
2013	37	2002	8
2012	28	2001	15
2011	28	2000	21
Total Number of Journal Articles		**572 (173 with high impact factor)**	
Books & Book Chapters Published		**52**	

a) Research Articles

International Journal with Impact Factor

Publication for the Year 2021

1. **Hossain, M.,** Mestrot, A., Norton, G.J., Deacon, C., **Islam, M.R.** and Meharg, A.A. 2021. Arsenic dynamics in paddy soil under traditional manuring practices in Bangladesh. Environmental Pollution, http://doi.org/10.1016/j.envpol.2020.115821 [Impact factor: 6.792]
2. **Jahangir, M.M.R.**, Begum, R., **Jahiruddin, M.**, Dawar, K., Zaman, M., Bell, R.W., Richards, K.G. and Müller, C. 2021. Reduced tillage with residue retention and nitrogen application rate increase N2O fluxes from irrigated wheat in a subtropical floodplain soil. Agriculture, Ecosystems & Environment, 306:107-194, https://doi.org/10.1016/j.agee.2020.107194. [Impact Factor: 4.241].
3. Parvin, G.A., Ahsan, S.M.R., Yusop, A.M., **Abedin, M.A**., Gordon, J. and Ahmad. M.H. 2021. Kampung (Village) Flood Resilience: An Empirical Analysis in Malaysia. Environmental Hazards, https://doi.org/10.1080/17477891.2021.1887800. [Impact Factor: 1.133]
4. Rahman, M.A., **Kader, M.A., Jahiruddin, M., Islam, M.R.** and Solaiman, M.Z. 2021. Carbon mineralization in sub-tropical alluvial arable soils amended with sugarcane bagasse and rice husk biochars. Pedosphere, in accepted for publication. [Impact Factor: 3.736]
5. Rahman, M.A., **Jahiruddin, M.**, Kader, M.A., **Islam, M.R.** and Solaiman, M.Z. 2021. Sugarcane bagasse biochar increases soil carbon sequestration and yields of maize and groundnut in charland ecosystem. Archives of Agronomy and Soil Science. doi.org/10.1080/03650340.2021.1892651. [Impact Factor: 2.135].
6. Sultana, M., **Jahiruddin, M., Islam, M.R., Rahman, M.M., Abedin, M.A.** and Solaiman, Z.M. 2021. Nutrient Enriched Municipal Solid Waste Compost Increases Yield, Nutrient Content and Balance in Rice. Sustainability https://doi.org/10.3390/su13031047 [Impact Factor: 2.576]

7. Haque, A.N.A., Uddin, M.K., Sulaiman, M.F., Amin, A.M., **Hossain, M.**, Zaibon, S, Mosharrof, M. 2021. Assessing the Increase in Soil Moisture Storage Capacity and Nutrient Enhancement of Different Organic Amendments in Paddy Soil. Agriculture 11, 44. https://doi.org/10.3390/agriculture11010044 [Impact Factor: 2.072]

8. Norton, G.J., Travis, A., Ruang-areerate, P., Nicol, G.W., Adeosun, A.A., **Hossain, M., Islam, M.R.**, Douglas, A. and Price, A.H. 2021. Genetic loci regulating cadmium content in rice grains, Euphytica, accepted for publication. [Impact Factor: 1.614]

Publication for the Year 2020

1. Alam, M.Z., **Hoque, M.A.** and Carpenter-Boggs, L. 2020. Identification of practical amendments to mitigate soil arsenic levels in peas. Rhizosphere, 16, p.100268. https://doi.org/10.1016/j.rhisph.2020.100268[Impact factor: 2.079]

2. Alam, M.K., Bell, W.R., Haque, M.E., Islam, M.A. and **Kader, M.A.** 2020. Soil Nitrogen Storage and Availability to Crops are Increased by Conservation Agriculture Practices in Rice-based Cropping Systems in the Eastern Gangetic Plains. Field Crops Research. 250: 1-14. https://doi.org/10.1016/j.fcr.2020.107764 [Impact factor 4.308]

3. Islam, S., **Islam, M.R.**, Kandwal, P., Khanam, S., Proshad, R., Kormoker, T. and Tusher, T.R. 2020.Nitrate transport and assimilation in plants: a potential review. Archives of Agronomy and Soil Science.https://doi.org/10.1080/03650340.2020.1826042[Impact factor: 1.780]

4. **Jahangir, M.M.R.**, Fenton, O., Johnston, P., Richards, K.G. and Müller, C. 2020. Application of 15N tracing for estimating nitrogen cycle processes in soils of a constructed wetland. Water Research 183:116062. https://doi.org/10.1016/j.watres.2020.116062. [Impact Factor: 9.130]

5. **Jahangir, M.M.R., Jahiruddin, M.**, Akter, H., Pervin, R. and Islam, K.R. 2020. Cropping diversity with rice influences soil aggregate formation and nutrient storage under different tillage systems. Journal of Plant Nutrition and SoilScience.https://doi.org/10.1002/jpln.202000310[Impact Factor: 2.083].

6. Sarker, M.M.H., **Moslehuddin, A.Z.M., Jahiruddin, M.** and **Islam, M.R.** 2020. Selection of direct, residual and cumulative doses of zinc and boron fertilizers for potato-rice-rice pattern in floodplain soil. Journal of Plant Nutrition. https://doi.org/10.1080/01904167.2020.1799006 [Impact Factor: 1.132]

7. Shi, Z., Carey, M., Meharg, C., Williams, P.N., Signes-Pastor, A.J., Triwardhani, E.A., Pandiangan, F.I., Campbell, K., Elliott, C., Marwa, E.M., Jiujin, X., Farias, J.G., Nicoloso, F.T., De Silva, P.M.C.S., Lu, Y., Norton, G., Adomako, E., Green, A.J., Jiménez, E.M., Zhu, Y.G., Barrachina, A.A.C., Haris, P.I., Lawgali, Y.F., Sommella, A., Pigna, M., Brabet, C., Montet, D., Njira, K., Watts, M.J., **Hossain, M., Islam, M.R.**, Tapia, Y., Oporto, C. and Meharg, A.A. 2020. Rice Grain Cadmium Concentrations in the Global Supply-Chain. Exposure and Health, https://doi.org/10.1007/s12403-020-00349-6. [Impact Factor: 4.762]

8. **Siddique, I.A.**, Mahmud, A., Al., **Hossain, M., Islam, M.R.**, Ghaire, Y.K. and Singh, U. 2020. Movement and Retention of NH4-N in Wetland Rice Soils as Affected by Urea Application Methods. Journal of Soil Science and Plant Nutrition. 20:589-597 https://doi.org/10.1007/s42729-019-00148-2. [Impact Factor: 2.156]

9. Uddin, S., Nitu, T., Milu, U.M., Nasreen, S., **Hosenuzzaman, M.**, Haque, H., Hossain, M.B., **Jahiruddin, M.**, Bell, R.W., Mueller, C. and **Jahangir, M.M.R.** 2020. Ammonia fluxes and emission factors under an intensively managed wetland rice ecosystem. Environmental Science: Processes & Impacts. doi: https://doi.org/10.1039/D0EM00374C [Impact Factor: 3.238]

10. Usese, A.I., Chukwu L.O., Naidu, R., **Islam, S.**, Rahman, M.M. 2020. Arsenic fractionation in sediments and speciation in muscles of fish, Chrysichthysnigrodigitatus from a contaminated tropical Lagoon, Nigeria. Chemosphere 256: 127134. https://doi.org/10.1016/j.chemosphere.2020.127134. [Impact Factor: 5.778]

Publication for the Year 2019

1. Alam, M.Z., **Hoque, M.A.**, Ahammed, G.J., McGee, R., Carpenter-Boggs, L. 2019. Arsenic accumulation in lentil (Lens culinaris) genotypes and risk associated with the consumption of grains. Scientific Reports, 9: 9431.https://doi.org/10.1038/s41598-019-45855-z[Impact Factor: 3.998]

2. **Abedin, M.A.**, Collins, A.E., Habiba, U. and Shaw, R. 2019. Climate change, water scarcity, and health adaptation in southwestern coastal Bangladesh. International Journal of Disaster Risk Science. 10(1),

28-42.https://doi.org/10.1007/s13753-018-0211-8[Impact Factor: 2.048]

3. **Afroz, H.**, Su, S., Carey, M., A., Meharg, A.A. and Meharg, C. 2019. Inhibition of microbial methylation via arsM gene in the rhizosphere: arsenic speciation in the soil to plant continuum. Environmental Science and Technology. 53(7): 3451-3463. https://doi.org/10.1021/acs.est.8b07008 [Impact Factor: 7.864]

4. Alam, M.Z., **Hoque, M.A.**, Ahammed, G.J., Carpenter-Boggs, L. 2019. Arbuscular mycorrhizal fungi reduce arsenic uptake and improve plant growth in Lens culinaris. PLoS ONE, 14(5):e0211441. https://doi.org/10.1371/journal.pone.0211441[Impact Factor: 2.740]

5. Alam, M.Z., McGee, R., **Hoque, M.A.**, Ahammed, G.J. and Carpenter-Boggs L.2019.Effect of Arbuscular mycorrhizal fungi, selenium and biochar on photosynthetic pigments and antioxidant enzyme activity under arsenic stress in mung bean (Vigna radiata). Frontiers ın Physiology, 10: 193. https://doi.org/10.3389/fphys.2019.00193[Impact Factor: 3.367]

6. **Islam, S.**, Rahman, M.M. and Naidu, R. 2019. Impact of water and fertilizer management on arsenic bioaccumulation and speciation in rice plants grown under greenhouse conditions. Chemosphere, 214: 606-613. https://doi.org/10.1016/j.chemosphere.2018.09.158[Impact Factor: 5.778]

7. **Jahangir, M.M.R.**, Fenton, O., McAleer, E., Johnston, P., Harrington, R., Müller, C. and Richards, K.G., 2019. Reactive carbon and nitrogen concentrations and dynamics in groundwater beneath an earthen-lined integrated constructed wetland. Ecological Engineering, 126, pp.55-63. https://doi.org/10.1016/j.ecoleng.2018.10.021[Impact Factor: 3.512]

8. Nayak, A.K., Rahman, M.M., Naidu, R., Dhal, Swain B.C.K., Nayak, A.D., Tripathi, R., Shahid, M., **Islam, M.R.** and Pathak, H. 2019. Current and emerging methodologies for estimating carbon sequestration in agricultural soils: A review. Science of the Total Environment. 665(2019): 890-912. https://doi.org/10.1016/j.scitotenv.2019.02.125[Impact Factor: 6.551]

9. Norton, G.J., Travis, A.J., Talukdar, P., **Hossain, M., Islam, M.R.**, Douglas, A. and Price, A.H., 2019. Genetic loci regulating arsenic content in rice grains when grown flooded or under alternative wetting and drying irrigation. Rice, 12(1), p.54.https://doi.org/10.1186/s12284-019-0307-9[Impact Factor: 3.840]

10. Miah, M.A.S., Mia, M.M., Islam, M.S., Rahman, M.S., Islam, M., **Kader, M.A., Jahangir, M.M.R.**,Hossain, M.A. 2019.Effects of irrigation scheduling on growth and yield of Boro rice in Bangladesh.International Journal of Business, Social and Scientific Research. 7(4), 15-20.http://www.ijbssr.com/currentissueview/14013331 [Impact Factor: 0.570]

11. Rahman, H, Carey, M., **Hossain, M.**, Savage, L., **Islam, M.R.**, Meharg, A.A. 2019. Modifying the Parboiling of Rice to Remove Inorganic Arsenic, While Fortifying with Calcium. Environmental Science and Technology. 53(9). 5249-5255. https://doi.org/10.1021/acs.est.8b06548[Impact Factor: 7.864]

12. Rana, M.S., **Hoque, T.S.**, and **Abedin, M. A.** 2019. Improving growth and yield performance of cauliflower through foliar application of moringa leaf extract as a bio-stimulant. Acta Scientifica Malaysia 3(2): 07-11.https://doi.org/10.26480/asm.02.2019.07.11[Impact Factor: 1.185]

13. Sarker, M.H., **Moslehuddin, A.Z.M., Jahiruddin, M.** and **Islam, M.R.** 2019. Direct and residual effects of micronutrients on crops in a pattern in floodplain soil. Communications in Soil Science and Plant Analysis. 50(2):1-18. https://doi.org/10.1080/00103624.2019.16592. [Impact Factor: 0.767]

14. Sarker, M.M.H., **Jahiruddin, M., Moslehuddin, A.Z.M.** and **Islam, M.R.**, Talukder, R. 2019. Effect of micronutrient fortified fertiliser application on the growth and yield components of tomato plant in floodplain soils of Bangladesh. Journal of the National Science Foundation of Sri Lanka 47(2): http://doi.org/10.4038/jnsfsr.v47i2.9157[Impact Factor: 0.378]

15. Sarker, M.M.H., **Jahiruddin, M., Moslehuddin, A.Z.M.** and **Islam, M.R.** 2019. Optimization of zinc and boron doses for Cauliflower-Maize-Rice pattern in floodplain soil. Communications in Soil Science and Plant Analysis.https://doi.org/10.1080/00103624.2019.1621332 [Impact Factor: 0.767]

Publication for the Year 2018

1. Akter, M., Deroo, H., De Grave, E., Van Alboom, A., **Kader, M.A.**, Boeckx, P., Sleutel, S. 2018. Link between paddy soil mineral nitrogen release and iron and manganesereduction examined in a rice pot growth experiment. Geoderma. 326: 9-21. https://doi.org/10.1016/j.geoderma.2018.04.002[Impact Factor: 4.848]

2. Akter, M., Kamal, A.M., **Kader, M.A.**, Verhoeven, E., Charlotte, D., Boeckx, P., Sleutel, S. 2018. Impact of irrigation management on paddy soil N supply and depth distribution of abiotic drivers. Agriculture, Ecosystems & Environment. 261: 12-24. https://doi.org/10.1016/j.agee.2018.03.015[Impact Factor: 4.241]

3. Alam, M.K., Bell, R.W., Haque, M.E. and **Kader, M.A**. 2018. Minimal soil disturbance and increased residue retention increase soil carbon in rice-based cropping systems on the Eastern Gangetic Plain. Soil & Tillage Research, 183, pp.28-41.https://doi.org/10.1016/j.still.2018.05.009[Impact Factor: 4.601]

4. Begum, K., Kuhnert, M., Yeluripati, J., Ogle, S., Parton, W., **Kader, M.A.**, Smith, P. 2018. Model based regional estimates of soil organic carbon sequestration and greenhouse gas mitigation potentials from rice croplands in Bangladesh. Land. 7(82): 1-18.https://doi.org/10.3390/land7030082[Impact Factor: 2.429]

5. Begum, K., Kuhnert, M., Yeluripati, J., Ogle, S., Parton, W., **Kader, M.A.** and Smith, P., 2018. Soil organic carbon sequestration and mitigation potential in a rice cropland in Bangladesh–a modelling approach. Field Crops Research, 226, pp.16-27. https://doi.org/10.1016/j.fcr.2018.07.001[Impact Factor: 4.308]

6. Bell, R.W., Haque, M.E., **Jahiruddin, M.**, Rahman, M.M., Begum, M., Miah, M.A.M., Islam, M.A., Hossen, M.A., Salahin, N., Zahan, T., Hossain, M.M., Alam, M.K., and Mahmud, M.N.H. 2018. Conservation Agriculture for Rice-Based Intensive Cropping by Smallholders in the Eastern Gangetic Plain. Agriculture 9, 5; http://doi:10.3390/agriculture9010005[Impact Factor: 2.072]

7. Gaihre, Y.K., Singh, U., Islam. S.M.M., Huda, A., **Islam, M.R.**, Sanabria, J., Satter, M.A., **Islam, M.R.,** Biswas, J.C., **Jahiruddin, M.** and Jahan, M.S. 2018. Nitrous oxide and nitric oxide emissions and nitrogen use efficiency as affected by nitrogen placement in lowland rice fields. Nutrient Cycling in Agroecosystems. 110(2): 277–291.https://doi.org/10.1007/s10705-017-9897-z[Impact Factor: 2.450]

8. Haque, M.A., **Jahiruddin, M.** and Clarke, D. 2018. Effect of plastic mulch on crop yield and land degradation in south coastal saline soils of Bangladesh. International Soil Water Conservation Research. 6(4): 317-324.https://doi.org/10.1016/j.iswcr.2018.07.001 [Impact Factor: 3.420]

9. Hoque, M.F., Rashid, M.H., **Islam, M.R.**, Islam, M.S., Saleque, M.A. 2018. Phosphorus Sorption and Saturation in the Ganges Tidal Floodplain Soils of Bangladesh. SainsMalaysiana 47(1): 67–76.https://doi.org/10.17576/jsm-2018-4701-08 [Impact Factor: 0.650]

10. Mia, S., Uddin, M.E., Mannan, M.A., **Kader, M.A.**, Hossain, M.M., Ahsan, A., Solaiman, Z.M. 2018. Municipal Organic Waste Management through selective Pyrolysis and Co-composting: a proposed method with quantitative estimation of Nutrient Recycling Potentials in Bangladesh. Waste management. 75:503-513. https://doi.org/10.1016/j.wasman.2018.01.038[Impact Factor: 5.448]

11. Norton, G.J., Travis, A.J., Douglas, A., Fairley, S., Alves, E.D.P., Ruang-Areerate, P., Naredo, M., Elizabeth, B., McNally, K.L., **Hossain, M., Islam, M.R.** and Price, A.H. 2018. Genome wide association mapping of grain and straw biomass traits in the rice Bengal and Assam Aus panel (BAAP) grown under alternate wetting and drying and permanently flooded irrigation. Frontiers ın plant science, 9, p.1223.https://doi.org/10.3389/fpls.2018.01223[Impact Factor: 4.402]

12. Sarker, M.M.H., **Jahiruddin, M., Moslehuddin, A.Z.M.** and **Islam, M.R.** 2018. Micronutrient responsiveness of cauliflower, okra, and rice in a pattern in piedmont soil. Journal of Plant Nutrition. http://doi10.1080/01904167.2018.1452938[Impact Factor: 1.132]

13. Schaller, J., Wang, J., **Islam, M.R.** and Friedrich, B.P. 2018. Black carbon yields highest nutrient and lowest arsenic release when using rice residuals in paddy soils. Scientific Reports, 2018, 8:17004, http://doi10.1038/s41598-018-35414-3 [Impact Factor: 3.998]

Publication for the Year 2017

1. Fenton, O., Mellander, P.E., Daly, K., Wall, D.P., **Jahangir, M.M.R.**, Jordan, P., Hennessey, D., Huebsch, M., Blum, P., Vero, S. and Richards, K.G. 2017. Integrated assessment of agricultural nutrient pressures and legacies in karst landscapes. Agriculture, Ecosystems & Environment, 239, pp.246-256.https://doi.org/10.1016/j.agee.2017.01.014[Impact Factor: 4.241]

2. Forrestal, P., Krol, D., Lanigan, G., **Jahangir, M.M.R.**, Richards, K.G. 2017. An evaluation of urine patch simulation methods for nitrous oxide emission measurement. Journal of Agricultural Science. doi: https://doi.org/10.1017/S0021859616000939[Impact Factor: 1.082]

3. **Hoque, T.S.**, Uraji, M., **Hoque, M.A.**, Nakamura, Y. and Murata, Y. 2017. Methylglyoxal induces inhibition of growth, accumulation of anthocyanin, and activation of glyoxalase I and II in Arabidopsis thaliana. Journal of Biochemical and Molecular Toxicology, 31(7): e21901, doi: 10.1002/jbt.21901. https://doi.org/10.1002/jbt.21901. [Impact Factor: 3.606]

4. Hossain, M.A., Li, Z.G., **Hoque T.S.**, Burritt, D.J., Fujita, M. and Munné-Bosche, S. 2017. Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. Protoplasma, 255(1): 399-412. https://doi.org/10.1007/s00709-017-1150-8. [Impact Factor: 2.751]

5. **Islam S.**, Rahman, M.M., **Islam, M.R.** and Naidu, R. 2017. Geographical variation and age-related dietary exposure to arsenic in rice from Bangladesh. Science of the Total Environment. 601-602:122-131. https://doi.org/10.1016/j.scitotenv.2017.05.184 [Impact Factor: 6.551]

6. **Islam, S.** Rahman, M.M., **Islam, M.R.**, and Naidu, R. 2017. Effect of irrigation and genotypes towards reduction in arsenic load in rice. Science of the Total Environment. 609: 311-318. https://doi.org/10.1016/j.scitotenv.2017.07.111 [Impact Factor: 6.551]

7. **Islam, S.**, Rahman, M.M., Duan, L., **Islam, M.R.**, Kuchel, T. and Naidu, R. 2017. Variation in arsenic bioavailability in rice genotypes using swine model: An animal study. Science of the Total Environment. 599-600: 324-331. https://doi.org/10.1016/j.scitotenv.2017.04.215 [Impact Factor: 6.551]

8. **Islam, S.**, Rahman, M.M., Rahman, M.A., Naidu, R., 2017. Inorganic arsenic in rice and rice-based diets: health risk assessment. Food Control, 82: 196-202. http://doi.org/10.1016/j. foodcont.2017.06.030[Impact Factor: 4.258]

9. **Jahangir, M.M.R.**, Fenton, O., Müller, C., Harrington, R., Johnston, P. and Richards, K.G. 2017. In situ denitrification and DNRA rates in groundwater beneath an integrated constructed wetland. Water Research, 111, pp.254-264.https://doi.org/10.1016/j.watres.2017.01.015. [Impact Factor: 9.130]

10. **Kader, M.A.**, Yeasmin, S., Solaiman, Z.M., De Neve, S. Sleutel, S. 2017. Response of hydrolytic enzyme activities and N mineralization to fertilizer and organic matter application in two long-term subtropical paddy field experiments. European Journal of Soil Biology 80:27-34. https://doi.org/10.1016/j.ejsobi.2017.03.004[Impact Factor:2.285]

11. **Kibria, M.G**, **Hossain, M.**, Murata, Y., **Hoque, M.A.** 2017. Antioxidant defense mechanisms of salinity tolerance in rice genotypes. Rice Science 24(3):155-162. http://dx.doi.org/10.1016/j.rsci.2017.05.001 [Impact Factor:3.162]

12. Liu, Y., Bello, O., Rahman, M.M., Dong, Z., **Islam, S.** and Naidu, R., 2017. Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. Environmental Science and Pollution Research, 4: (1-2): 1-12.https://doi.org/10.1007/s11356-017-9250-8[Impact Factor:3.056]

13. McAleer, E.B., Coxon, C.E., Richards, K.G., **Jahangir, M.M.R.,** Grant, J. and Mellander, Per.E. 2017. Groundwater nitrate reduction versus dissolved gas production: A tale of two catchments. Science of the Total Environment, http://dx.doi.org/10.1016/j.scitotenv.2016.11.083 [Impact Factor: 6.551]

14. Nahar, M.N.E.N., Islam, M.M., **Hoque, M.A.,** Yonezawa, A., Prodhan, M.Y., Nakamura, T., Nakamura, Y., Munemasa, S. and Murata, Y. 2017. Exogenous proline enhances the sensitivity of Tobacco BY-2 cells to arsenate. Bioscience, biotechnology, and biochemistry, 81(9), pp.1726-1731.https://doi.org/10.1080/09168451.2017.1340088[Impact Factor: 1.063]

15. Norton, G.J., Shafaei, M., Travis, A.J., Deacon, C.M., Danku, J., Pond, D., Cochrane, N., Lockhart, K., Salt, D., Zhang, H. and Dodd, I.C., **Hossain, M., Islam, M.R.** and Price, A.H. 2017. Impact of alternate wetting and drying on rice physiology, grain production, and grain quality. Field Crops Research, 205, pp.1-13.http://doi10.1186/s12284-015-0068-z[Impact Factor: 4.308]

16. Norton, G.J., Travis, A.J., Danku, J.M.C., Salt, D.E., **Hossain, M., Islam, M.R.**, Price, A.H. 2017. Biomass and elemental concentrations of 22 rice cultivars grown under alternate wetting and drying conditions at three field sites in Bangladesh. Food and Energy Security, 6(3), 98–11. http://doi10.1002/fes3.110 [Impact Factor: 5.212]

17. Savage, L., Manus, P.C., **Hossain, M., Islam M.R.**, De Silva P.M.C.S., Williams, P.N., Meharg, A.A. 2017. Elevated trimethylarsine oxide (TMAO) and inorganic arsenic in northern hemisphere summer monsoonal wet deposition. Environmental Science and Technology. 51(21). https://doi.org/10.1021/acs.est.7b04356[Impact Factor: 7.864]

18. Sekine, M., Tokumura, M., Raknuzzaman, M., Al Mamun, M.H., Ahmed, M.K., **Islam, M.R**, Miyake, Y., Amagi, T., Masunaga, S. 2017. Effect of cooking on arsenic reduction in two rainfed rice varieties of Bangladesh and their health risk assessment. Chemical Science International Journal. 21(1): 1-7 https://doi.org/10.9734/csji/2017/37982[Impact Factor: 1.600]

19. Ullah, M.A., Shamsuzzaman, S.M., **Islam, M.R.,** Samsuri, A.W. and Uddin, M.K., 2017. Cadmium availability and uptake by rice from lime, cow-dung and poultry manure amended Ca-contaminated paddy soil. Bangladesh Journal of Botany, 46(1 Suppl.), pp.291-296. http://www.bdbotsociety.org/.../06.pdf [Impact Factor: 0.209]

20. Ullah, M., Shamsuzzaman, S.M., Mehanaz, M., Rahaman, M.E., **Mian, M.J.A.** and **Islam, M.R.** 2017. Determination of cadmium accumulation potential and toxicity threshold level for rice in inceptisol soil. Bangladesh Journal of Botany, 46(3), pp.893-897. http://www.bdbotsociety.org/.../11.pdf [Impact Factor: 0.209]

21. Usese, A., Chukwu, O.L., Rahman, M.M., Naidu, R., **Islam, S.** and Oyewo, E.O., 2017. Concentrations of arsenic in water and fish in a tropical open lagoon, Southwest-Nigeria: Health risk assessment. Environmental Technology & Innovation, 8: 164-171. doi.org/10.1016/j.eti.2017.06.005. [Impact Factor: 3.356]

22. Usese, A., Chukwu, O.L., Rahman, M.M., Naidu, R., **Islam, S.** and Oyewo, E.O. 2017. Enrichment, contamination and geo-accumulation factors for assessing arsenic contamination in sediment of a Tropical Open Lagoon, Southwest Nigeria. Environmental Technology & Innovation, 8: 126-131. https://-doi.org/10.1016/j.eti.2017.06.006 [Impact factor: 3.356]

Publication for the Year 2016

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