

Curriculum vitae of Dr. Md. Mizanur Rahman



Position:	Professor and Researcher Associate, Department of Biotechnology and Genetic Engineering Islamic University, Kushtia 7003, Bangladesh.
Date of Birth	25 September, 1979
Qualifications:	B.Sc. Genetics and Breeding, University of Rajshahi, Bangladesh, 1999 M.Sc. Genetics and Breeding, University of Rajshahi, Bangladesh, 2000 Ph.D. Agrobiotechnology, Microbiology and Molecular Genetic Lab, University of Padova, Italy, 2011 Post Doc Fellowship (CAS-PIFI), Institute of Soil Science. Chines Academic of Science, Nanjing 210008, China.
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Research Interest:	I am broadly interested in a) Environmental Microbiology: Dynamic microbial population (Antibiotic resistance, Nitrogen fixing, denitrification, Anammox and plant growth promoting microorganism), Phytoremediation, Bioremediation, Antibacterial\Antifungal activity of natural plant products. b)Bioinformatics: Use of bioinformatics tools.
Currently conducting research:	1. Isolation antibiotic resistance gene (ARGs) and their effect on denitrification, anammox and net nitrification rate of pesticide contaminant paddy soils. 2. Abundance ammonia-oxidizing archaea or bacteria and denitrification, anammox and net nitrification rate of pesticide contaminant paddy soil. 3. Abundance of antibiotic resistance gene (ARGs) and net nitrification rate in Poultry and Cow manure soil. 4. Immunoinformatics approach for epitope-based peptide vaccine design and active site prediction against plyprotein of virus.
Supervision of M.Sc thesis students :	1. Multiplex real time PCR and Rapid diagnostic test for the diagnosis of <i>Plasmodium</i> species. 2. Studies on the effect of germination and the stability of the enzymes of different varieties of Mazie (<i>Zea mays</i> L.). 3. Development of <i>in vitro</i> regeneration protocol of six local Rice (<i>Oryza sativa</i> L.) Varieties in Bangladesh. 4. Production of extracellular amylase enzyme by <i>Bacillus</i> sp. Isolated from soil samples. 5. Assessment of the interaction of leguminous plants with chemical compositions of adjoining soil and <i>Rhizobium</i> bacteria. 6. Characterization and antibacterial activity of <i>Bifidobacteria</i> isolated from Infant feces. 7. Molecular characterization of bacteria (<i>Bacillus</i> sp.) by 16S rDNA sequencing and antibacterial activity of different extracts of seed and essential oil of Cumin (<i>Cuminum cyminum</i> L.). 8. Molecular characterization of bacteria (<i>Bacillus</i> sp.) by 16S rDNA sequencing and antibacterial activity of essential oil of <i>Cassia sophera</i> L.) 9. <i>Agrobacterium</i> mediated genetic transformation in monocot (Rice) & dicot (Tobacco) and study of anti- tumor activity of some medicinal plants of Bangladesh by potato disc bioassay. 10. Micropropagation of <i>Ipomoea turpethum</i> (L.) R. Br. & <i>Eclipta alba</i> (L.) Hassk. and <i>Agrobacterium</i>-mediated genetic transformation in tomato. 11. Production of citric acid through fermentation technology.
Professional Experience:	1. Lecturer and junior researcher form 15 December 2003 to 14 December 2006 in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia-7003, Bangladesh. 2. Assistant Professor and senior researcher form 15 December 2006 to December 2007 in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh. 3. PhD student and research fellow from 1 January 2008 to December 2010 (School of Crop Science, Padova University). Present Department name DAFNAE - Department of Agronomy Food Natural Resources Animals and Environment

	- Research fellow from 1 January 2011 to April 2011(School of Crop Science, Department of Agrobiotechnolgy, Padova University, Italy) Present Department name DAFNAE - Department of Agronomy Food Natural Resources Animals and Environment - Assistant Professor and researcher associate form April 2011 to October 2011 in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh. - Associate Professor and researcher associate from October 2011 to February 2016 now in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh. - Professor from from February 2016 to July 2016 in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh. - Post Doc Fellowship (CAS-PIFI) from July 2016 to April 2018, Institute of Soil Science. Chines Academic of Science, Nanjing210008, China. - Professor from April 2018 to till now, in the Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh.
Other Professional Experience:	- House Tutor, June 2007 – December 2007, ShaddamHossain Hall, Islamic University, Kushtia-7003. - House Tutor, June 2011 – June 2013, ShaddamHossain Hall, Islamic University, Kushtia-7003. - Assistant proctor, 15 October 2014 to till now,Islamic University, Kushtia-7003.
Memberships:	- Academic member of Faculty of Applied Science and Technology - Member of Bangladesh Genetical Society. - Member of Global Network of Bangladeshi Biotechnologists (GNOBB) - Member of Plant Tissue Culture and Biotechnology Society - Chines Academic of Science, China.
Academic Awards and Distinctions:	- Post Doc Fellowship (CAS-PIFI), Institute of Soil Science. Chines Academic of Science, Nanjing210008, China. - Scholarship (Padova University grant) for carrying out PhD from the Dept. of Agrobiotechnolgy, Padova University, Italy. - ShaheedSorawardy Hall Gold Medal (This award is given for outstanding academic Performances sincerity and regularity at graduation level in the University) - Rajshahi University scholarship (Based on overall academic performances during undergraduate and graduate study in the university)
Journal reviewers:	- Journal of Food Biochemistry - Pharmaceutical Biology - Arabian Journal of Chemistry - The Journal of Microbiology, Biotechnology and Food Sciences - Natural Products Research - Journal of Pharmacology - International Journal of Pharma and Bio sciences (IJPBS) - Journal of Nature Science and Sustainable Technology (JNSST) - Journal of Characterization and Development of Novel Materials (JCDNM) - International Journal of Agricultural Policy and Research - New Biotechnology - Science of the total environment - Waste Management - Journal of Biotechnology and Genetic Engineering - Environmental Pollution
Journal Editor	Journal of Applied Science and Technology, Islamic University, Associate editor.

**List of Key
Full Paper
Publications:**

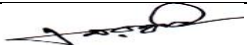
1. Md Yousof Ali, Sumera Zaib, **M. Mizanur Rahman** and et al. 2019. Didymmin, a dietary citrus flavonoid exhibits anti-diabetic complications and promotes glucose uptake through the activation of PI3K/Akt signaling pathway in insulin-resistant HepG2 cells. *Chemico-Biological Interactions*. 305: 180-194. **(IF: 3.296, Co-Author)**
2. Utpal Kumar Adhikari, Mourad Tayebi and **M. Mizanur Rahman** 2018. Immunoinformatics approach for epitope-based peptide vaccine design and active site prediction against glycoprotein of emerging *Oropouche* virus. *Journal of Immunology Research*. 6718083, 22 **(IF- 3.53, Corresponding Author)**.
3. **M. Mizanur Rahman**, Shan Jun, Pinpin Yang, Xiaoxia Shang, Xiaoyuan Yan. 2018. Effects of long-term pig manure application on antibiotics, abundance of antibiotic resistance genes (ARGs), anammox and denitrification rates in paddy soils. *Environmental Pollution*. 240 (2018) 368-377 **(IF- 5.09, First Author)**
4. Shan Jun, Pinpin Yang, **M. Mizanur Rahman**, Xiaoyuan Yan. 2018. Tetracycline and sulfamethazine alter dissimilatory nitrate reduction processes and increase N₂O release in rice fields. *Environmental Pollution*. 242 (2018) 788-796 **(IF-5.09, Co-Author)**.
5. Sudhangshu Kumar Biswas, Apurba Roy, Zakaria Prodhan, **Md. Mizanur Rahman**. 2018. Biodegradation of Crystal Violet dye by bacteria isolated from textile industry effluents. *PeerJ*. 6:5015 **(IF-2.16, Co-Author)**.
6. Sabrina Sima, Apurba Roy, N. Jordar. **Md. Mizanur Rahman**. 2018. Anatomy of Cane Internodes of Tiger Grass [*Thysanolaena maxima* (Roxb) Kuntze]. *Plant Environment Development* 7(1):15-21. **(Co-Author)**
7. Shan Jun, Pinpin Yang, Xiaoxia Shang, **M. Mizanur Rahman**, Xiaoyuan Yan. 2017. Anaerobic ammonium oxidation in a paddy soil as affected by temperature, pH, organic carbon and substrates. *Biology and Fertility of Soils*: 54(3): 341–348. **(IF- 3.80, Co-Author)**.
8. Utpal Kumar Adhikari, and **M. Mizanur Rahman**. 2017. Overlapping CD8+ and CD4+ T-cell epitopes identification for the progression of epitope-based peptide vaccine from nucleocapsid and glycoprotein of emerging Rift Valley fever virus using immunoinformatics approach. *Infection, Genetics and Evolution* 56 (2017) 75–91 **(IF-2.88, Corresponding Author)**.
9. Utpal Kumar Adhikari, and **M. Mizanur Rahman**. 2017. Comparative analysis of amino acid composition in the active site of *nirk* gene encoding copper-containing nitrite reductase (CuNiR) in Bacterial spp. *Computational Biology and Chemistry*. 67:102–113 **(SCI, IF: 1.33, Corresponding Author)**.
10. Utpal Kumar Adhikari, Ferozur Rahman, Mostaq Ahmmed, Razib chowdhury, and **M. Mizanur Rahman**. 2017. Identification of disordered regions and potential active sites from 3-hydroxy-3-methylglutaryl-CoA reductase of *Triticum aestivum* L. using theoretical approach *International Journal of Biosciences (IJB)*. Int. J. Biosci. 10(1), 24-41. <http://dx.doi.org/10.12692/ijb/10.1.24-41> **(IF:0.553, Corresponding Author)**.
11. Rifat Sharmin Jerin, Abul Kalam Azad and **Md. Mizanur Rahman**. 2017. Morphological and molecular characterization of four edible wild mushroom strains using RAPD markers. *Journal of Nature Science and Sustainable Technology*. 11(3):1-5. **(Peer-Reviewed, Corresponding Author)**
12. A.Z. Rupa, P. Sarkar, **M. Mizanur Rahman** and U.F. Shahjadee. 2017. The effect of germination and metallic salts on the stability of enzymes of three high yielding varieties of maize (*Zea mays* L.) in respect of Bangladesh. *Food Research* 2 (1) :78 -81. **(Co-Author)**
13. Utpal Kumar Adhikari, and **M. Mizanur Rahman**. 2016. *In Silico* Identification and Comparative Analyses of Active Sites of Copper Containing Nitrite Reductase (CuNiR) in Fungal and Bacterial Spp. *Journal of Biological Engineering Research and Review*, 3(2):8-18. **(Corresponding Author)**
14. Utpal Kumar Adhikari, Ferozur Rahman, Md. Mostaq Ahmmed, Md. Razib chowdhury, Shahidur Rahman, and **M. Mizanur Rahman**. 2016. Homology Modeling and Structural Assessment of CuNiR of *Pseudomonas Chlororaphis* Subsp. *aureofaciens* Nirk. *Journal of Biological Engineering Research and Review* 3(1):06-15. **(Corresponding Author)**
15. Utpal Kumar Adhikari, Md Sazzad Hossain, and **M. Mizanur Rahman**. 2015. Investigations on 3-hydroxy -3- methylglutaryl COA reductase enzyme from different sources of Organism. *Journal of*

- Nature Science and Sustainable Technology. 9(4): 725-735.(**Corresponding Author**)
16. Md. Atiqur Rahman , Ahsan-Ul-Ambia, Md. Ibrahim Abdullah,Mohammad Alamgir Hossain, and **M. Mizanur Rahman**. 2015. Reverse engineering methods for robust gene network inference. Journal of Nature Science and Sustainable Technology. 9(4): 747-754.(**Corresponding Author**)
 17. Rafiqueel Islam, **M Mizanur Rahman**, Zannatul Nyme, Jobair Ahmed, Laisa Ahmed Lisa, Sharif Mohammad Al- Reza, Muhammad Yousaf, Mohammad Nur-E-Alam. 2015. Molecular Characterization of Isolated *Xanthomonas* sp. From Rice Rhizosphere Soil and their Inhibition using *Clerodendrum viscosum* Vent. Journal of Chemical Society of Pakistan. 37 (6):1205-1211 (**IF: 0.267, First Co-author**).
 18. **M Mizanur Rahman**, Abul Kalam Azad, Shamima Nasrin Sima, Md. Mashiar Rahman. 2014. Role of RNase on microbial community analysis in the rice and wheat plants soil by 16S rDNA-DGGE. Journal of Crop Science and Biotechnology. 17 (3): 85-95. (**IF-0.75, Springer, Scopus, First Author**).
 19. Biplab Kumar Dash, **M. Mizanur Rahman**, Palash Kumar Sarker (2015).Molecular characterization of a newly isolated *Bacillus subtilis* BI 19 for enhanced production of extracellular amylase. BioMed Research International. 2015;2015:859805. doi: 10.1155/2015/859805. (**SCIE, IF- 2.53, Co-Author**).
 20. **M Mizanur Rahman**, Marina Basaglia, Elena Vendramin, Bruno Boz, Bruna Gumiero and Sergio Casella (2014). Bacterial diversity of a wooded riparian strip soil specifically designed for enhancing denitrification process. Biology and Fertile of Soil. 50(1): 25-35. (**SCI, IF-3.88, First Author**)
 21. **M. Mizanur Rahman**, Marina Basaglia, Lorenzo Favaro, Bruno Boz, Bruna Gumiero, Sergio Casella (2014). A wooded riparian strip set up for nitrogen removal can affect the water flux microbial composition. Italian Journal of Agronomy. 9:548.(**Scopus, First Author**).
 22. M.Yousuf Ali, **M. Mizanur Rahman**, A. Rahman, M. Basaglia, M. Masidur Rahman, T. Sultana, and Sergio Casella. (2014). Isolation of *Bacillus* spp. from soil and their sensitivity towards different extracts and essential oil of Cumin (*Cuminum cyminum* L.). Journal of Agricultural Science and Technology.16: 623-633.(**SCIE, IF-0.813, Corresponding Author**)
 23. Fatema Binte Hafiz, Nayeem Md. Towfique, Monokesh Kumer Sen, Shamima Nasrin Sima and **M Mizanur Rahman** (2014). A Comprehensive Ethno-pharmacological and Phytochemical Update Review on Medicinal Plant of *Terminalia arjuna* of Bangladesh. Scholars Academic Journal of Pharmacy (SAJP). 3(1):19-25. (**Peer-Reviewed Journal, Corresponding Author**)
 24. Shohel Mahmud, Abul Kalam Azad, **M. Mizanur Rahman**, Shahriar Mahmud, Mahmuda Yasmin, Raihan Ali and Amzad Hossain (2014). Assessment of Genetic Variability of Sugarcane Varieties and Somaclones Based on RAPD Markers. Journal of Nature Science and Sustainable Technology (JNSST). 8(1):1-9. (**Peer-Reviewed Journal, Corresponding Author**)
 25. Abul Kalam Azad, **Md. Mizanur Rahman**, Hasnatul Arefin, M. Amzad Hossain. 2014. Genetic diversity and relationships of arabian and bangladeshi date palms (*Phoenix* spp.) revealed by RAPD fingerprints. Journal of Nature Science and Sustainable Technology.8(4): 1-8. (**Peer-Reviewed Journal, Corresponding Author**).
 26. **M Mizanur Rahman**,Taslina Sultana, M Yousof Ali, M Masidur Rahman,Sharif M. Al-Rez and Atiqur Rahman (2013). Chemical composition and antibacterial activity of the essential oil and various extracts from *Cassia sophora* L. against *Bacillus* sp. from soil. Arabian Journal of Chemistry. doi: <http://dx.doi.org/10.1016/j.arabjc.2013.07.045>.(**SCI, IF-4.55, First and Corresponding Author**)
 27. Bruno Boz, **M. Mizanur Rahman**, Marina Basaglia, Bruna Gumiero, Andrea Squartini, Mariangela Bottegai and Sergio Casella (2013). Vegetation, soil and hydrology management influence denitrification activity and the composition of nirK-type denitrifier communities in a newly afforested riparian buffer. New Biotechnology. 30 (6): 675–684. (**SCI, IF-3.81, Co-Author**)
 28. **M Mizanur Rahman**, Gazi Ziaul Haque Masum, Priyanka Sharkar and Shamima Nasrin Sima. (2013). Medicinal plant usage by traditional medical practitioners of rural villages in Chuadanga District, Bangladesh. Journal of Biodiversity Science, Ecosystem Services & Management. 9 (4): 330–338.(Elsevier Biobase, Scopus). (**Peer-Reviewed Journal, First Author and Corresponding**

Author)

29. Priyanka Sharkar, **M. Mizanur Rahman**, Gazi Ziaul Haque Masum, Md. Abu Nayeem, Md. Mozaffour Hossen, and Abul Kalam Azad. (2013). Ethnomedicinal Importance of the Plants of different Villages in Kushtia Sador and Mirpur Upozila, Bangladesh. *Journal of Herbs, Spices & Medicinal Plants*. 19: 401-417. **(Taylor & Francis, Inc.) (Peer-Reviewed Journal, Corresponding Author)**
30. Sk. Md. Jakaria Al-Mujahidy, Md. Mehedi Hassan, **M. Mizanur Rahman**, A. N. M. Mamun-Or-Rashid. (2013). Isolation and characterization of Rhizobium spp and determination of their potency for growth factor production. *International Research Journal of Biotechnology*. 4(7): 117-123. **(Peer-Reviewed Journal, Co-Author)**.
31. Sk. Md. Jakaria Al-Mujahidy, Md. Mehedi Hassan, **M. Mizanur Rahman**, A. N. M. Mamun-Or-Rashid. (2013). Study on measurement and statistical analysis of adherent soil chemical compositions of leguminous plants and their impact on nitrogen fixation. *International Journal of Biosciences*. 3 (6): 112-119. **(IF-0.553, Co-Author)**
32. K. M. Sakib, **M. Mizanur Rahman**, Abul Kalam Azad, Himel Nahreen Khaleque , Monzur Morshed Ahmed. (2013). Isolation of Bifidobacteria from infant feces and their antibacterial activity against pathogenic bacteria. *Journal of Characterization and Development of Novel Materials (JCDNM)*. (In press) **(Peer-Reviewed Journal, Corresponding Author)**
33. Mafizur Rahman, Abdul kader, **M Mizanur Rahman**. (2013). Review on Nipah Virus, a Highly Pathogenic Paramixovirus. *European Journal of Medical science*. 10; 55-64. **(Co-Author)**
34. M Mafizur Rahman, G.M Sala Uddin and **M Mizanur Rahman**. (2013). Various extracts of Piper betel L leaves and their activity against Bacteria. *Journal of Nature Science and Sustainable Technology (JNSST)*. 7(2): 191-198. **(Peer-Reviewed Journal, Corresponding Author)**
35. Gazi Ziaul Haque Masum, Priyanka Sharkar, Md. Abu Nayeem, Md. Mafizur Rahman and **M. Mizanur Rahman**. (2013). Medicinal Plants Used by Kabiraj of Fourteen Villages in Jhenaidah District, Bangladesh. *Global Journal of Research on Medicinal Plants & Indigenous Medicine*. 2 (1): 10–22. **(Corresponding Author)**
36. Sharif M Al-Reza, Atiqur Rahman, Tanzima Parvin, **M Mizanur Rahman** and M. Safiur Rahman (2011). Chemical composition and antibacterial activities of essential oil and organic extracts of Curcuma aromatica. *Journal of Food Safety*. 31(4):433-438. **(SCI, IF-0.95, Co-Author)**
37. M. Mashiar Rahman, **M. Mizanur Rahman**, Shahina Akhter, M. A. H. Mostofa Jamal, Dipendra Raj Pandey, Atiqur Rahman (2010). Control of Coliform Bacteria Detected from Diarrhea Associated Patients by Extracts of Moringa oleifera. *Nepal Medical College Journal*: 12(1):12-9. **(PUBMED) (Peer-Reviewed Journal, Co-Author)**
38. Mominul Islam Sheikh, Soriful Islam, Atikur Rahman, Mostafizur Rahman, Mashuur Rahman, **M. Mizanur Rahman**, Abdur Rahim , Firoz Alam (2010). Control of Some Human Pathogenic Bacteria by Seed Extracts of Cumin (Cuminum cyminum L.) *Agriculturae Conspectus Scientificus*. 75(1):39-44. **(Peer-Reviewed Journal, Co-Author)**
39. M. Jahangir Alam, Iftekhar Alam, Shamima Akhtar Sharmin, **M. Mizanur Rahman**, M. Anisuzzaman and Mohammad Firoz Alam (2010). Micropropagation and antimicrobial activity of Operculina turpethum (syn. Ipomoea turpethum), an endangered medicinal plant. *Plant Omics Journal*. 3(2):40-46. **(SCIE, IF-0.77, Co-Author)**
40. **M. Mizanur Rahman**, Elena Vendramin, Federico Fontana, Bruno Boz, Bruna Gumierio, Marina Basaglia, Sergio Casella (2009). Analysis of microbial diversity in the soil of a wooded riparian strip. *Annals of Microbiology*. 59:100-101. **(SCI, IF- 1.52, First Author)**
41. Bruno Boz, Federico Fontana, Alessandro Pistolato, Marina Basaglia, Elena Vendramin, **M. Mizanur Rahman**, Sergio Casella, and Bruna Gumierio(2009). Dynamic of denitrification activity in the soil of a wooded riparian strip assessed for nitrogen removal. *Annals of Microbiology*. 59:88-89. **(SCI, IF- 1.52, Co-Author)**
42. **M. Mizanur Rahman**, M. Mashiar Rahman, Md. Rezuanul Islam, Atiqur Rahman, and M. Safiur Rahman (2009). Isolation and Characterization of Clinical Bacteria from Stool Samples and Their Control by a Medicinal Plant (Cassia sophera L.) Extracts. *Journal of Characterization and*

	Development of Novel Materials (JCDNM). 1(3): 159-168. (Peer-Reviewed Journal, First Author) 43. M Mashiar Rahman , Md Jahangir Alam , Shamima Akhtar Sharmin , M Mizanur Rahman , Atiqur Rahman and Mohammad Firoz Alam (2009). In Vitro Antibacterial Activity of Argemone mexicana L. (Papaveraceae). CMU. Journal Nature Science. 8(1): 77-84. (Peer-Reviewed Journal) 44. M. Mashiar Rahman, Md. Mominul Islam Sheik, S.A. Sharmin, M. Soriful Islam, M. Atikur Rahman, M. Mizanur Rahman and M. F. Alam (2009).Antibacterial Activity of Leaves Juice and Extracts of Moringa oleifera Lam. (2n = 28) against Some Human Pathogenic Bacteria. CMU Journal Nature Science. 8 (2): 219-227. (Peer-Reviewed Journal) 45. Vivek K. Bajpai, Atiqur Rahman, Savita Shukla, Archana Mehta , Shruti Shukla, S. M. Yassir Arafat, M. Mizanur Rahman, Zennat Ferdousi.(2009). Antibacterial Activity of Leaf Extracts of Pongamia pinnata from India. Pharmaceutical Biology. 47 (12): 1162–1167. (IF-1.33) 46. M.Z.H. Khan, M. Mizanur Rahman, M. Mashiar Rahman, S.M.Y. Arafat, Atiqur Rahman, and M. Safiur Rahman (2008). Isolation and characterization of effective bacteria for solid waste degradation for organic manure. KMITL Science and Technology Journal. 8 (2): 1-12 . (Peer-Reviewed Journal) 47. Atiqur Rahman, M. Mizanur Rahman, M. Mominul Islam Sheik, M. Mashiar Rahman, Shabah Mohammad Shadli and M. F. Alam.(2008). Free radical scavenging activity and phenolic content of Cassia sophora L. (2008). African Journal of Biotechnology.7 (10): 1591-1593. (ResearGate, Peer-reviewed, IF-0.57) 48. M. Mizanur Rahman, M. Mashiar R, S. M. Arafat, Atiqur Rahman, M. Z. H. Khan and M. S. Rahman. (2008). Microbiological Quality Assessment of a Local Milk Product, Kwacha Golla, of Bangladesh. Journal of the Korean Society for Applied Biological Chemistry. 51(4): 251-257. (SCIE, IF-0.755) 49. M. Jahangir Alam, Kanak Kanti Sarker, Shamima Akthar Sharmin, M. Mauluda Akthar, M. Atikur Rahman, M. Mizanur Rahman, M Firoz Alam (2007). Antimicrobial activity of leaf extract of Datura metel L. against nosocomial disease causing bacteria in human. Plant Environment Development. 1:115-120. (Peer-Reviewed Journal) 50. Shamima Akhtar Sharmin, Md. Mashiar Rahman, Iftekhar Alam, Md. Jahangir Alam, M. Mizanur Rahman, Mohammad Firoz Alam (2006). Abundance of bacteria in municipal supply water of Kushtia Town, Bangladesh: A case study. Bangladesh Journal of Genetics and Biotechnology. 7(1&2): 105-106. (Peer-Reviewed Journal) 51. M. Z. Rahman, M. G. Sharoar, Mohammad Nurul Matin, M. H. Rahman, M. Mizanur Rahman and M. Rezuanul Islam (2006). High frequency plant regeneration of a dessert banana cv Mehersagar for commercial exploitation. Biotechnology, Asian network for Scientific Information. 5(3): 296-300. 52. M. S. Islam, M Mizanur Rahman, A. C. Dev, M. A. Islam and M. A. Khaleque (2005). Factorial Analysis in some of the Agronomic characters of Black gram [Vigna mungo (L.) Hepper]. Journal of science foundation. 3(1): 1728-7855. 53. M. A. Mamun, M. B. H. Sikder, Dipak Kumer Paul, M. Mizanur Rahman and Md. Rezuanul Islam (2004). In Vitro Micropropagation of some important sugarcane varieties of Bangladesh. Asian. Journal of Plant Sciences, Pakistan. 3(6):666-669.
List of Key Proceeding Paper and Abstract Publications:	1. M. MizanurRahman, Bruno Boz, Marina Basaglia, Marina Zanardo, Chiara Broccanello, PiergiogioStevanato, Giuseppe Concheri, Andrea Squartini, BrunaGumiero and Sergio Casella. (2013). Detection and community dynamics of denitrifying bacteria in riparian buffer strips and agricultural soils. Proceedings of the second international conference on microbial diversity- microbial interactions in complex ecosystems, 23-25 October 2013, Torino, Italy, P2.22. 2. M. MizanurRahman, Bruno Boz, Marina Basaglia, BrunaGumiero, Federico Fontana, Sergio Casella. (2013). Characterization of the microbial diversity in the water fluxes of a wooded riparian strip set up for nitrogen removal. Proceedings of the second international conference on microbial diversity- microbial interactions in complex ecosystems, 23-25 October 2013, Torino, Italy, P2.24. 3. Bruno Boz, MariangelaBottegal, M. MizanurRahman, Marina Basaglia, BrunaGumrio, AndeaSquartini, and Sergio Casella. (2012).<i>nirK</i>-type denitrifier community composition and denitrification activity in a buffer. Environmental Engineering and Management Journal.Environmental Microbiology and Biotechnology in the frame

	of the Knowledge-Based Bio and Green Economy (EMB2012), April10-12, Bologna, Italy, P. 50. 4. M. MizanurRahman, Marina Basaglia, Federico Fontana, Bruno Boz, BrunaGumiero, Casella Sergio. (2011). Microbial diversity and denitrificaon in a wooded riparian strip. Proceedings of the 1st International Conference on Microbial Diversity, 26-28 October ,Milano, Italy 5. M MizanurRahman, M. NazmaKhatun, M. MashiarRahman, AtiqurRahman, M. MonjarulAlam, M. Mominul Islam Sheik, M. KhorshedAlam and Z. Nahar. (2009).Upgradation of some Agro-wastes by <i>Pleurotussajor-cajuto</i> minimize environmental pollution. Proceeding of SEEP. 12-15 Agust, Dublin, Ireland. 6. M. MizanurRahman, Elena Vendramin, Federico Fontana, Bruno Boz, Marina Basaglia, Sergio Casella (2009). Analysis of microbial diversity in the soil of a wooded riparian strip. "The role of Microbiology in Agricultural, Food and Environmental Fields" The Second National Conference SIMTREA, 10-12 June, Sassari, Italy 7. M. MizanurRahman, Elena Vendramin, Marina Basaglia, and Sergio Casella (2009). Understanding the biodiversity and metabolic activities of culturable bacterial communities in the soil of a wooded riparian strip. 3rd FEMS Congress,June 28-July 2, Gothenberg, Sweden. 8. Bruno Boz, Federico Fontana, Alessandro Pistolato, Marina Basaglia, Elena Vendramin, M. MizanurRahman, Sergio Casella, and BrunaGumierio (2009). Dynamic of denitrification activity in the soil of a wooded riparian strip assessed for nitrogen removal. "The role of Microbiology in Agricultural, Food and Environmental Fields" The Second National Conference SIMTREA, 10-12 June, Sassari, Italy.
References:	1. Prof. Marina Basaglia, Department of Agronomy FoodNatural Resources Animals and Environment (DAFNAE)UniversitàdegliStudi di Padova, AgropolisViale dell'Università , 16, 35020 Legnaro, Padova, Italy, Tel: +39 049 8272921, Fax: +39 049 8272929, E-mail: marina.basaglia@unipd.it 2. Professor Xiaoyuan Yan, Institute of Soil Science. Chines Academic of Science, Nanjing 210008, China.Tel:+86013645169768, E-mail: yanxy@issas.ac.cn 3. Professor Dr. Md. Rezuhanul Islam, Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia-7003, Bangladesh. Tel:+8801712110010, E-mail: rezwanu@gmail.com or rezuanul@btge.iu.ac.bd
Applicant Signature:	 Dr.Md. MizanurRahman