

## Curriculum vitae

Name : Ashfaque Ahmed (আসফাক আহমদ)  
Father's Name : Ahmed Ali Ansari  
Date of birth : 01.08.1967  
Marital status : Married  
Present address : 7-B, Shaheed Abul Kahir Bhaban, Dhaka Univeristy  
Permanent address : 370 North Shahjahanpur, Dhaka-1217  
Occupation : Teaching (Joined as Lecturer at the Department of Botany,  
University of Dhaka on 01.04.1996).  
Present post : Professor (from 22.07.2013 till date)

### Academic qualification:

Have completed **S.S.C.** in 1982 from Khilgaon govt. High School, Dhaka and **H.S.C.** from Govt. Titumir College, Dhaka in 1984. Obtained **B.Sc (Hons.)** degree from **Department of Botany, University of Dhaka** and **M.Sc (Thesis)** from the same Department in 1987 (exam. held in 1989) and 1988 session (exam. held in 1990) respectively. Obtained **MS degree** in 2007 on **Tropical Ecology and Management of Natural Resources** from the Department of Tropical Ecology and Natural Resource Management (INA), **Norwegian University of Life Sciences (UMB)**, Norway. Awarded **PhD degree** on Coastal Ecology from the Department of Botany, **University of Dhaka**.

**Research interest: Ecology, Environment, Natural Resource Management, Restoration Ecology, Biodiversity Assessment and Conservation, Wetland Ecology, Costal Zone Ecology.**

### Research experiences:

1. **Completed thesis in M.Sc. in Ecology.** Title of the thesis was “Autecological studies of weeds of wall plants”, from the Department of Botany, University of Dhaka.1988 (Exam held in 1992).
2. Worked as a **Research Associate** on a project entitled “Ecological conditions, Biodiversity and effects of Farakka Barrage in the Rajshahi Division.” Financed by Ministry of Science and Technology, Government of Bangladesh, May 1993 to June 1994.
3. Worked as a **Junior Consultant**, NMIDP (National Irrigation and Development Project), March–April, 1994. Responsible for identification and plant species density measurement in various locations of Deep Tube-Well and within its 500m through quadrat methods in and around Dhaka City to analyses effects of Deep Tube-well.
4. Got Fellowship on a project of Ministry of Science and Technology, Government of Bangladesh on “Autecological studies of selected grasses.” July 1994 to June 1995.
5. Worked on a project of Biotechnology Research Centre, Dhaka University on “Adaptive mechanism of drought tolerant plants and its application to dry land farming” July 1995-March 1996.
6. **Project Director** of the project financed by Delta Study Centre, Dhaka University, entitled “Ecological studies of the River Padma at Mawa Ghat, Munshiganj with reference to vegetation dynamics and phytoplankton diversity” January to June 2002.

7. **Associate Project Director** of the project “Mitigation of Arsenic poisoning of groundwater by employing a locally innovative bio-remediation technique”, financed by Ministry of Science and Technology, Government of Bangladesh. March-June 2003.
8. **Project Director** of the project financed by Delta Study Centre, Dhaka University, entitled “Ecological studies of the coastal zone of Bangladesh at Patukahli with reference to edaphic conditions and water chemistry” 2003
9. **Project Director** of the project entitled “Ecological studies on the mangrove vegetation of Rangabali coastal zone, Patuakhali with reference to floristic composition, edaphic feature and gene flow” financed by Centre for Advanced Studies in Biological Sciences, University of Dhaka. Duration: July to December, 2004
10. **Project Director** of the project financed by Delta Study Centre, Dhaka University, entitled “Water chemistry and phytoplankton diversity of the River Buragauranga at Patuakhali. January to June, 2005
11. **Have done MS on Tropical Ecology and Management of Natural Resources from the Department of Tropical Ecology and Natural Resource Management (INA), Norwegian University of Life Sciences (UMB), Norway.** Title of the thesis was “Ecological baseline studies of the coastal zone of Bangladesh” 2005-2007. Supervisors of the thesis were Professor Mikael Ohlson, INA, UMB, Norway and Professor Sirajul Hoque of Department of Soil, Water & Environment, University of Dhaka, Bangladesh
12. Worked as **Project Director** of the project financed by Delta Study Centre, Dhaka University, and entitled “Edaphic condition and water chemistry of the coastal zone at Rangabali, Patuakhali district” from 05.07.2008 to 31.12.2008.
13. Have worked as **Project Director** on the project “Holistic approaches to the ecological studies coastal zone of Bangladesh at Rangabali, Patuakhali district” from 06.05.2009 for one year, financed by **University Grant Commission.**
14. Worked on the Sundarban Mangrove Forest as a member of the Expedition Team of the Department of Botany, University of Dhaka, Financed by University of Dhaka.
15. Have worked on “**Comparative studies on the proximate analysis of leaf, stem and roots of *Xanthium indicum* & *Acanthus ilicifolius* and their effect on the neurotransmitter mediating enzyme, Dopamine- $\beta$ -Hydroxylase (DBH) activity**” with Professor Md. Khalilur Rahman of Department of Biochemistry and Molecular Biology (A student has submitted his thesis, session 2009 – 2010, on this work in 2011 in the same Department).
16. Have worked on “**Proximate nutrients contents of fresh tea leaf, green tea and black tea and their effects on the activities of catecholamines producing enzymes – dopamine beta hydroxylase (DBH)**” with Professor Md. Khalilur Rahman of Department of Biochemistry and Molecular Biology (A student submitted his thesis, session 2010-2011, on this work in 2012 in the same Department).
17. Have worked on “**Assessment of water quality and fish biodiversity of the River Dhalesswari, Bangladesh**” with Professor Dewan Ali Ahsan of Department of Fisheries (A student submitted his thesis, session 2010-2011, on this work in 2012 in the same Department).
18. Have worked as **Project Director** on a project funded by **Ministry Science and Technology (Special allocation, 2012-13).** Title of the project was “**Effects of climate change on the**

**ecology of coastal zones of Bangladesh with reference to satellite images and GIS technology.”**

19. Have worked as **Project Director** on a project funded by **Ministry Science and Technology (Special allocation, 2014-15)**. Title of the project was "Genetic diversity of *Sonneratia apetala* Buch-Hum. and its application to the coastal zone management of Bangladesh "
20. Have worked as **Project Director** on a project funded by **Ministry Science and Technology (Special allocation, 2015-16)**. Title of the project is "C-sequestration by *Sonneratia apetala* Buch.-Ham. and C- reserve in the soil of coastal islands in the context of global climate change "
21. Have worked as **Project Director** on a project funded by **Ministry Science and Technology (Special allocation, 2016-17)**. Title of the project is “Spatial and temporal variations of soil quality and microbial community structure and diversity as affected by rhizospheres of different mangrove species.”
22. **Awarded PhD on Coastal Zone Ecology** and obtained the degree from Department of Botany, University of Dhaka, Bangladesh under the joint supervision of Professor Dr. Parveen Rashid, Department of Botany and Professor Dr. Sirajul Hoque, Department of Soil, Water and Environment, University of Dhaka. The title of the thesis was “**Effects of ecological factors on the growth of *Sonneratia apetala* Buch.-Ham. in Rangabali coastal zone of Bangladesh**”
23. Have been working as **Project Director** on a project funded by **Grant of advanced research in education (GARE), Ministry of Education (2018-19, 2019-20)**. Title of the project is “**Genetic diversity analysis of *Grewia nervosa* (Lour.) Panigrahi growing in different Sal forests of Bangladesh with reference to changing population structure**”
24. Have worked as **Project Director** on a project funded by **Ministry Science and Technology (Special allocation, 2018-19)**. The title of the project was "Soil Carbon pool and seasonal soil respiration of deciduous forest ecosystem of Bangladesh”.
25. **Have explored and studied different forests of Bangladesh** such Sundarban Mangrove Forests; Modhupur Sal Forest; Sal Forest of Chandra, Kapasia, Sreepur, Gazipur; Lawachara Forest, Madhakassapia National Park, Cox's Bazar; Chunut Wild Life Centuary, Chittagong; Fashiakhali Wild Life Centuary, Cox's Bazar; Teknaf game Reserve, Teknaf; St. Martin Island, Khazrachari Hill Tract; Different Coastal Islands of Patuakhali and Noakhali District.
26. **Have worked on the water quality, phytoplankton abundance, distribution and diversity of the different wetlands** such as temporary marshlands in and around Dhaka city and different river basins of Bangladesh such as Padma, Jamuna, Bhrahmaputra, and Meghna Rivers and **different places of estuaries** such Buragauranga river estuary at Rangabali, Patuakhali, Meghna estuary at Hatia, Noakhali.

### **Thesis Supervision:**

- 1 **Co-Supervisor** of a MS Thesis student (2008-2009). Title of the Thesis was: **Phytoplankton diversity and abundance in the Sundarban Mangrove Forests, Bangladesh**
2. **Supervisor** of a MS thesis student (2009-2010). Title of the thesis was "Assessment of nutrient resources and mangrove species diversity of some coastal zones of Bangladesh".

3. **Supervisor** of a MS thesis student (2010-2011). Title of the thesis was "Assessment of water quality, primary productivity and fish diversity of the river Buriganga".
4. **Co-Supervisor** of a MS thesis student (2010-2011). Title of the thesis was "Effects of leguminous plants on soil nutrient status and decomposition of Sal (*Shorea robusta* Roxb. Ex. Gabrrtn. F.) leaf litter in the Sal forests".
5. **Supervisor** of One MS (2012-2013) student. Title of the thesis was "Ecological studies on the planted mangrove forest of Meghna estuary at Hatia, Noakhali".
6. **Supervisor** of **One PhD student** who has submitted her thesis entitled "Ecology and management of natural resources of the island, Nijhum Dwip in Bangladesh".
7. **Co-Supervisor** of **One PhD student** who has been working on "Rhizosphere ecology of *Arachis hypogea* L. and *Lens culinaris* Medic. in relation to arsenic toxicity in soil"
8. **Supervisor** of **One MPhil. student** who has been working on "Assessment of eco-health and biomitigation of heavy metals of the river Buriganga." (Has applied for PhD program).
9. **Co-Supervisor** of **One MPhil. student** who has worked on "Effects of Eucalyptus plantation on the physio-chemical properties and litter decomposition processes in soil."
10. **Co-Supervisor** of **One MPhil. student** who has worked on "Effects of salinity on the nodulation in lentil (*Lens culinaris* Medik.) and the diversity of its compatible nitrogen fixing *Rhizobium*."
11. **Supervisor** of One MS (2013-2014) student. Title of the thesis was "Community composition, species diversity and nutrient resources of Sal (*Shorea robusta* Gaertn.) Forests at Comilla"
12. **Supervisor** of One MS (2013-2014) student. Title of the thesis was "Genetic diversity within species and between populations of *Sonneratia apetala* Buch-Ham. for management of coastal islands".
13. **Supervisor** of One MS (2014-2015) student who has worked on "Effects of edaphic features on the diversity and distribution of different plant species of Sundarban Mangrove Forests, Bangladesh"
14. **Supervisor** of One MS (2014-2015) student who has worked on "Spatial variations of water quality of the different rivers flowing in Sundarban Mangrove Forests of Bangladesh in relation to phytoplankton distribution and diversity."
15. **Supervisor** of One MS (2015-2016) student who has worked on "Genetic diversity of *Sonneratia apetala* Buch-Ham. growing in Sundarban Mangrove Forests of Bangladesh".
16. **Supervisor** of One MS (2015-2016) student who has worked on "C-sequestration by major tree species and C- reserve in the soil of Bangladesh Sundarbans".
17. **Supervisor** of One MS (2016-2017) student who has worked on "spatial variations of physico-chemical properties and bacterial populations of rhizosphere of different mangrove species of Bangladesh Sundarbans"
18. **Supervisor** of One MS (2016-2017) student who has worked "Effects of *Excoecaria agallocha* L. and *Ceriops decandra* Griff. on the physico-chemical properties of rhizosphere soil and bacterial community structure of Bangladesh Sundarbans"
19. **Supervisor** of One MS (2016-2017) student who has worked on "Effects of *Heritiera fomes* (Buch.-Ham.) on the physico-chemical properties of rhizosphere soil and bacterial community structure of Bangladesh Sundarbans".

20. **Supervisor** of One MS (2017-2018) student who has been working on “**Carbon stock and soil respiration of different Sal forests situated at Cumilla and Gazipur districts of Bangladesh**”.
21. **Supervisor** of One MS (2017-2018) student who has worked on “**Study of genetic diversity of *Grewia nervosa* (Lour.) Panigrahi within individuals and among populations of Sal forest of Bangladesh.**”.
22. **Supervisor** of One MS (2018-2019) student who has been working on “**Phenology of some selected phanerogams of Curzon Hall Campus, Dhaka University in relation to climate and edaphic variables**”.
23. **Supervisor** of One MS (2018-2019) student who has been working on “**Genetic diversity within the individuals and among the populations of *Grewia nervosa* (Lour.) Paingrahi from different Sal forests of North-Western parts of Bangladesh**”.

### **List of publications:**

1. Nazrul-Islam AKM and **A Ahmed** 1995. Autecological studies of wall plants. J. Asiat. Soc. Bangladesh. Sci. **21(1)**:59-68
2. Nazrul-Islam AKM and **A Ahmed** 1998. The effect of potassium ions on the stomatal movement in selected weeds. J.Asiat. Soc. Bangladesh. Sci. **24(1)**:79-84
3. Yousuf M, AKM Nazrul-Islam, SZKM Samsad and **A Ahmed** 2001. Ecological conditions of Chandra deciduous forest. Ecoprint. **8(1)**:95-97. (**Nepal**)
4. Abdullah ANM, A Khanam, AKM Nazrul-Islam, T Jamali and **A Ahmed** 2003. **Ecology and species composition of a temporary marshland.** Geobios. **30**:9-16. (**India**)
5. **Ahmed A** 2004. **Ecological studies of the river Padma at Mawa Ghat, Munshigaj. I. Physioco-chemical properties.** Pak. J.Biol.Sci. **7(11)**:1865-1869. (**Pakistan**)
6. **Ahmed A** and MA Alfasane 2004. **Ecological studies of the river Padma at Mawa Ghat, Munshigaj. II. Primary productivity, phytoplankton stranding crops and diversity.** Pak. J.Biol.Sci. **7(11)**:1870-1875. (**Pakistan**)
7. **Ahmed A** and MAS Akanda 2007. **Relationship among phytoplankton diversity, physical and chemical properties of the river Padma.** Dhaka Univ. J. Biol. Sci. **16(1)**:21-27 (January)
8. Nazrul-Islam AKM, N Nahar, **A Ahmed** and MR Khan 2009. Regulation of stomatal aperture in *Ficus religiosa* L. J. Environ. Sci. & Natural Resources **2(2)**: 1 – 4.
9. **Ahmed A**, M Ohlson, S Hoque and MG Moula 2010. Edaphic conditions under different hydrological regimes in the coastal zone of Bangladesh. Dhaka Univ. J. Biol. Sci. **19(1)**: 27-40 (January).
10. Aziz A and **A Ahmed** 2010. Effects of arsenic on biodiversity. I. Rice field weeds. Dhaka Univ. J. Biol. Sci. **19(1)** 95-98 (January).
11. **Ahmed A**, M Ohlson, S Hoque and MG Moula 2010. Chemical composition of leaves of a mangrove tree (*Sonneratia apetala* Buch.-Ham.) and their correlation with some soil variables. Bangladesh J. Bot. **39(1)**:61-69.
12. **Ahmed A**, S Hoque, M Ohlson, MAA Akanda, and MG Moula 2010. **Phytoplankton standing crops and its diversity in the Buragauranga river estuary with references to chemical environment.** Bangladesh J. Bot. **39(2)**: 143-151, (December)
13. Rashid P and **A Ahmed** 2011. Anatomical adaptation of *Myriostachya wightiana* Hook.F. to salt stress. Dhaka Univ. J. Biol. Sci. **20(2)** 205-208 (July).
14. **Ahmed A**, A Aziz, AZMNA Khan, MN Islam, KF Iqbal, Nazma and MS Islam. 2011. Tree diversity as affected by salinity in the Sundarban Mangrove Forests, Bangladesh. Bangladesh J. Bot. **40(2)**: 197-202, (December)

15. Aziz A, M Rahman and **A Ahmed** 2012. **Diversity, distribution and density of estuarine phytoplankton in the Sundarban Mangrove Forests, Bangladesh.** Bangladesh J.Bot.41(1):87-95.
16. Ali MS, MF Haque, SMM Rahman, KF Iqubal, Nazma and **A Ahmed** 2013. An estimation of loss and gain of land of Manpura Island in Bhola district: an integrated approach using remote sensing and GIS technologies. Dhaka Univ. J. Biol. Sci. **22**(1): 29 - 37 (January).
17. Hossain MZ, T Sultana, **A Ahmed** and S Haque 2013. Influence of leguminous trees on soil nitrogen and phosphorous status of the *sal* forests. Dhaka Univ. J. Biol. Sci. **22**(2): 179 - 182 (July).
18. Sultana T, MZ Hossain, **A Ahmed** and S Haque 2013. Decomposition and nutrient release of *sal* leaf litter as influenced by legume leaf litter of the *sal* forests. Dhaka Univ. J. Biol. Sci. **22**(2): 183 - 186 (July).
19. Singh D, S Singh, VR Lekshmi, S Dutta, Nazma, MS Ali, **A Ahmed** 2014. Species Type and Forest Health Assessment via Hyperspectral Remote Sensing in the part of Himalayan Range, India. Dhaka Univ. J. Biol. Sci. **23**(2): 135 - 146 (July).
20. Mandal UK, S Dutta, Nazma, MS Ali, NM Sharifee and **A Ahmed** 2015. Spatial soil erosion modeling for sustainable agriculture development using remote sensing and GIS technology. Dhaka Univ. J. Biol. Sci. **24**(2): 177-189, (July)
21. **Ahmed A**, S Haque, MM Akber, M. Moniruzzaman, MMR Chaudhury 2015. Edaphic features of Comilla Sal forest of Bangladesh with consequences to global climate change. Proceedings of 14th ISERD Conference, Kuala Lumpur, Malaysia, 16<sup>th</sup> October. ISBN 978-93-85832-13-0.
22. **Ahmed A**, MM Akber, MO Rahman and MMR Chaudhury 2015. Effects of management practice on the community structure and species diversity of Sal (*Shorea robusta* Gaertn.) forest at Comilla. J. biodivers. conserv. bioresour. manag. 1(2): 73-82
23. Kashem MA, **A Ahmed**, S. Hoque and MZ Hossain 2015. Effects of land-use change on the properties of top soil of deciduous sal forest in Bangladesh. J. Mount. Res. **01**: 5-12
24. Ataullah M, MMR Chowdhury, S Hoque and **A Ahmed** 2017. Physico-chemical properties of soils and ecological zonation of soil habitats of Sundarbans of Bangladesh. International J Pure and Applied Researches. 1(1): 80-93.
25. **Ahmed A**, M Rashid, S Hasan, MN Islam and P Rashid 2017. 'RAPD and SSR analysis of afforested *Sonneratia apetala* Buch.-Hum. population from the coastal areas of Bangladesh. Bangladesh J Bot. **46**(3):1001-1007 (September).
26. Ataullah M, S Hoque, P Rashid and **A Ahmed** 2018. Spatial variation and contamination levels of different metals of soils of Bangladesh Sundarbans. Indian Forester **144** (5): 412-423.
27. Ahmed A, Md Ataullah, Parveen Rashid, Ashit Ranjan Paul, Sukumar Dutta And Md Shahjahan Ali 2018. Species diversity, change in forest cover and area of the Sundarbans, Bangladesh, Bangladesh J. Bot. 47(3): 351-360, 2018 (September).
28. **Ahmed A**, N Akter, S Hasan and Md Ataullah 2019. Spatio-temporal variations of water quality and phytoplankton diversity of the different rivers flowing within Sundarban mangrove wetland ecosystem of Bangladesh. J. biodivers. conserv. bioresour. manag. **5**(1): 61- 76.
29. Rashid Parveen, KJ Shethi and **A Ahmed**. Leaf anatomical adaptation of eighteen mangrove plant species from Sundarbans in Bangladesh. Bangladesh J Bot. (Accepted for publication)

**Book Published:**

**Ahmed A** and Hoque S 2011. Ecology of the Coastal Zone of Bangladesh: Edaphic features, Water quality and Nutrient status of *Sonneratia apetala*. Lambert Academic Publishing, Germany

**Editorial Member:**

**Advisory Editor (National):** Journal of Bangladesh Association of Young Researchers.

**Associate Editor:** Physiological Ecology and Environmental Science.

**Other experiences:**

1. Successfully completed the training program on “Teaching Methodology” organized by Graduate Training Institute, Bangladesh Agriculture University, Mymensing from May 11 to 30, 1996.
2. Successfully completed training on “Field identification of forestry species and management of herbarium” conducted by Indian Council of Forestry Research and Education and Forest Research Institute, Dehradun, India from 15.10.2001 to 19.10.2001.
3. Successfully completed 40 hours Training program on ‘SPSS for Biological Sciences’ conducted by Institute of Statistical Research and Training (ISRT), Dhaka University from 21<sup>st</sup> July to 19<sup>th</sup> August, 2003.
4. Successfully completed Workshop on “Genomics and Proteomics” organized by HEQEP funded project “Improvement of teaching and learning facilities in the Department of Botany, DU, CP – 214” from 16-24 July, 2012, Dhaka, Bangladesh.
5. Successfully completed Workshop on “Plant Genetic Transformation, *in situ* Hybridization and Bioinformatics” organized by HEQEP funded project “Improvement of teaching and learning facilities in the Department of Botany, DU, CP – 214” from 6-14 October, 2012, Dhaka, Bangladesh.
6. Successfully completed “Ninth Training Course on Oceanography: Principles & Applications” organized by NOAMI, Dhaka from 9<sup>th</sup> February to 27<sup>th</sup> April, 2013.

**Responsible for different courses:**

Theory classes:

1. **Physiological Ecology and Conservation Biology**, Course no. BOT 304 (Course Teacher)
2. **Climate Change Biology**, Course no. BOT 404 (Course Teacher).
3. **Ecology, Environment and Plants**, Course no. BOT 2003 Course Teacher in alternate year. (Extra Department course for the students of Department of Geography and Environment).
4. **Natural Resource Management** (Course no. BOT 508). (Course Teacher). Newly introduced. Have two components. Deals with Collaborative management, Community Based Natural Resource Management, Dry Land Resource Management, Rangeland Management, Coastal Zone Management; Principles, concept and processes of Restoration Ecology.

Responsible for practical classes of the above mentioned and some other courses.

**Membership:**

Life member, Bangladesh Botanical Society.

Life member, Dhaka University Alumni Association.

## **International conferences attended and paper presented (Home and Abroad)**

- 1. Ashfaqe Ahmed**, Sirajul Haque; M Moniruzzaman; Md. Golam Maula; Md. Musfiqur Rahman Chaudhury; Md. Shafiqul Islam; Dipongkar Das. Ecological studies on the planted mangrove forest of Meghna estuary at Hatia, Noakhali, Bangladesh. International Conference On Environment And Natural Science (ICENS) Organized By ISERD, **Kualalumpur, Malaysia**, 16th October 2015.
- 2. Ashfaqe Ahmed**, Parveen Rashid And Sirajul Hoque. Spatio-temporal dynamics of water quality of Buragauranga river estuary at Rangabali coastal zone of Bangladesh. 7th International Conference, 3-4 February 2018, Department Of Botany, University Of Dhaka, Bangladesh.
- 3. Ashfaqe Ahmed**, Tanvir Ahmed and Md. Ataullah. Carbon sequestration by major tree species and soil's carbon reserve of Bangladesh Sundarbans. 7th International Conference, 3-4 February 2018, Department Of Botany, University Of Dhaka, Bangladesh.
- 4. Ashfaqe Ahmed**, Md. Sarwar Hossain, Sharmin Hasan, Mohammad Nurul Islam. Genetic diversity of *Sonneratia apetala* Buch.–Ham. growing in Sundarban mangrove forests of Bangladesh. 7th International Conference, 3-4 February 2018, Department Of Botany, University Of Dhaka, Bangladesh.
- 5. Md. Ataullah, Parveen Rashid, Ashit Ranjan Paul, Sukumar Dutta And Md. Shahjahan Ali, Ashfaqe Ahmed.** Species types, diversity and changes of forest cover and land area of Bangladesh Sundarbans. 7th International Conference, 3-4 February 2018, Department of Botany, University Of Dhaka, Bangladesh.
- 6. Nargis Akhter, Md. Ataullah, Sharmin Hasan, Tanvir Ahmed, Md. Sarwar Hossain and Ashfaqe Ahmed.** Spatial dynamics of the water quality of Bangladesh Sundarbans. 7th International Conference, 3-4 February 2018, Department Of Botany, University Of Dhaka, Bangladesh.
- 7. Ashfaqe Ahmed**, Parveen Rashid And Sirajul Hoque. Does sea level rising due to climate change have any impact on the central coastal zone of Bangladesh? 2nd International Conference On Climate Change - 2018 (ICCC 2018), 15-16th February 2018, **Colombo, Sri Lanka.**
- 8. Ashfaqe Ahmed**, Md. Sarwar Hossain, Sharmin Hasan, Mohammad Nurul Islam. Comparative study of genetic diversity of *Sonneratia apetala* Buch.–Ham. growing in



- Sundarbans and different coastal islands of Bangladesh. 6th Annual South Asia Biosafety Conference. September 15-17, 2018, The Westin, Dhaka, Bangladesh.
9. Maliha Jerin Propa and **Ashfaque Ahmed**. C Stock And Soil Respiration Of Sal Forests Situated In Cumilla And Gazipur Districts Of Bangladesh. 1-3 March 2019. International Conference on Climate Change, Senate Bhaban, Dhaka University.
  10. **Ashfaque Ahmed**. Plant diversity in the context of climate change. **Key Note Speech**. Global Conference on Plant Biology and Plant Science” October 24-25, 2019. **Bangkok, Thailand**

### **Local conferences attended and paper presented**

1. **Ashfaque Ahmed**, Md. Zabeed Hossain, Sirajul Haque, Dewan Ali Ahsan, Tanmira Khandaker and Moniruzzaman M. Assessment of water quality, primary productivity and fish diversity of the river Buriganga. Annual Botanical Conference 2012, Department of Botany, Chittagong University.
2. **Ashfaque Ahmed** and Maliha Jerin Propa. Role of different sal forests situated in Cumilla and Gazipur districts of Bangladesh on global climate scenario. Annual Botanical Conference 2018, Cox’s Bazar, Bangladesh.
3. **Ashfaque Ahmed** and Afrin Sultana Ijee. Phenology of some selected phanerogams of Curzon Hall Campus, Dhaka University in relation to climate and edaphic variables. Annual Botanical Conference 2019, Department of Botany, Jahangirnagar University, Bangladesh.
4. Maliha Jerin Propa and **Ashfaque Ahmed**. Carbon stock and soil respiration in the rhizosphere soil of *Shorea robusta* at different Sal forests of North-Western of Bangladesh. Annual Botanical Conference 2019, Department of Botany, Jahangirnagar University, Bangladesh.
5. Sydul Islam, Maliha Jerin Propa, **Ashfaque Ahmed**. Genetic diversity and population genetic structure of *Grewia nervosa* (Lour.) Panigrahi from Gazipur and Cumilla Sal forests, Bangladesh. Annual Botanical Conference 2019, Department of Botany, Jahangirnagar University, Bangladesh.

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