Curriculum Vitae of Professor Dr. Md. Didar-ul-Alam

Name	:	**Md. Didar-ul-Alam**
Date of Birth	:	08.12.1954.
Nationality	:	Bangladeshi.
Marital Status	:	Married.
Number of Children	:	Three.
Addresses:		
(a) Office	:	Department of Soil, Water and Environment University of Dhaka, Dhaka - 1000.
(b) Domicile	:	229/3(New), 166/B (Old), Mobarak Shah Road, No-1, Baburail, Narayanganj 1400, Bangladesh.

Academic Qualification:

- **Doctor of Philosophy (PhD)** in Plant and Soil Science, 1990. University of Aberdeen, Scotland, UK.

  M.Sc. in Soil Science, 1st Class 3rd, Group - Thesis, 1976 (held in 1978-79). Dhaka University, Dhaka, Bangladesh.
- **B.Sc. (Hons.)** in Soil Science with Chemistry and Geology as Minors, 1975 (held in 1977) 1st Class 3rd, Dhaka University, Dhaka, Bangladesh.
- **H.S.C. in Science** (Pre-eng.) Group, 1st Division, 1971 (held in 1972) Narayanganj Tollaram College, Bangladesh.
- **S.S.C. in Science Group**, 1st Division, 1969. Joygovinda High School, Narayanganj, Bangladesh.

Other Qualification:

(i) Obtained a Certificate after successfully completed the courses on "Fertilizer Efficiency Research" from 23rd September to 11th October, 1984 conducted by BARC / IFDC

(ii) Participation in the training course on "Soil Fertility" sponsored by BARC from February 23rd to 27th, 1985.

Professional Experience:

1. ***Vice-Chancellor, Noakhali Science & Technology University, Noakhali, from 13.06.2020 to till date.***
2. **Chairman,** Department of Soil, Water &environment, Dhaka University, from **30.06.2018 to 12.06.2019**
3. **Selection Grade Professor,** Department of Soil, Water & Environment, Dhaka University, from **29.09.2011.**
4. **Professor**, Department of Soil Science, Dhaka University, from **15.12.97-28.09.2011.**
5. **Associate Professor**, Department of Soil Science, Dhaka University, from **20.05.93 to 14.12.97.**
6. **Assistant Professor**, Department of Soil Science, Dhaka University, From **07.02.87 to 19.05.93.**
7. **Lecturer in Soil Science**, Dhaka University, from **29.09.83 to 06.02.87.**
8. **Research Officer,** River Research Institute, Bangladesh Water Development Board, Dhaka, from **06.03.82 to 28.09.83**.
9. **Research Associate,** "Chemical Methods as a Tool for Determining Fertilizer Needs of Soil"

   UGC, Project, Department of Soil Science, Dhaka University, from **01.03.81 to 05.03.82.**

Memberships:

- Founder Member, EDAPHOS, Soil Science Ex-Students Association.
- Life Member, Soil Science Society of Bangladesh.
- Life Member, Bangladesh Association for Advancement of Science.
- Life Member, Bangladesh Society of Microbiologists.
- Life Member, Asiatic Society of Bangladesh
- Life Member, Bangla Academy, Dhaka.
- Member, Bangladesh Natural Science Society.
- Member, Bangladesh Biggyan Samity.

Sports activities:

- Played Cricket for Dhaka Mohammadan and Eglets Club, 1974-1978. Eastern sporting club, Rainbow sporting club and Three Stars Cricket Club and played for Scotland Minor county Cricket League (Aberdeenshire), 1987-1990.
- Chairman, Dhaka University Cricket, Badminton, Lawn Tennis and Table Tennis Committee for the year 1994-1996, 1998-2000 & 2000-2002,
- Member, Central Cricket Committee from 1985 to 1993 and 1996-1997. Games teacher of Soil Science Department, Dhaka University, from 1984 to 1993.
- Member (Grounds Committee), Bangladesh Cricket Control Board, 1997-1998, 2000 & 2202.
- Treasurer, Edaphos (Soil Science Ex-Students Association, Dhaka University) 1997-99.
- Joint Secretary, Bangladesh Soil Science Society, 1997-1999 & 2000-2002.
- Advisor, Dhaka University Sports Board, 9th, March, 2004-2015.

Language Proficiency:

Language	Read	Write	Speak	Understanding
Bangla	Excellent	Excellent	Excellent	Excellent
English	Excellent	Good	Good	Excellent
Hindi	Poor	Poor	Good	Excellent
Urdu	Poor	Poor	Good	Excellent
Arabic	Good	Fair	Poor	Poor

Awards:

1. **Best Educationist** of Narayanganj District, 2004 by National Journalist Association , Narayanganj District Branch, Bangladesh. 5th Oct /2004.
2. **Contribution in the field of Education,** Narayanganj District, 2005 by Telivision Darshak Forum, Narayanganj District Branch, Bangladesh. 16th September /2005.
3. **Best Educationist** Mobarack sha Road,Baburail No.1 of Narayanganj District by ' Jagroto Sangho, 2007

Field of Specialization/Research Interests:

- **Soil fertility;**
- **Soil pollution;**
- **Soil- water management (Irrigation and Drainage);**
- **Water treatment technology and marine ecosystem;**
- **Hydrochemistry & water pollution.**

List of Publications:

1. **Kabir, M.M**., Akter, M.M., Khandaker, S., Gilroyed, B.H., Didar-ul-Alam, M., Hakim, M. and Awual, M.R., **2022**. Highly effective agro-waste based functional green adsorbents for toxic chromium (VI) ion removal from wastewater. ***Journal of Molecular Liquids***, 347,118327. **IF: 6.165**
   https://www.sciencedirect.com/science/article/abs/pii/S016773222103052X

2. Begum, M., Gani, M.N., **Alam, M.D., 2022.** Effects of textile wastewater on growth and yield components of rice (*Oryza Sativa L*.). ***Dhaka University Journal of Biological Sciences***, 3: 147-157.
   https://doi.org/10.3329/dujbs.v31i1.57923

3. Jakariya, M., Ahmed, F., Islam, M.A., Ahmed, T., Al Marzan, A., Hossain, M., Reza, H.M., Bhattachariya, P., Hossain, A., Nahla, T. and Bahadur, N.M., **Alam, M.D., 2022**. Wastewater-based epidemiological surveillance to monitor the prevalence of SARS-CoV-2 in developing countries with onsite sanitation facilities. *Environmental Pollution*, 119679.
   https://doi.org/10.1016/j.envpol.2022.119679

4. M. M. Kabira, F. Alama, M. M. Aktera, B.H. Gilroyed, **M. D. Alama**, L.D. Tijing, H. K. Shon, **2022**, Highly effective water hyacinth (*Eichhornia crassipes*) waste-based functionalized sustainable green adsorbents for antibiotic remediation from wastewater, *Chemospehere*, 304, 135293.
   https://doi.org/10.1016/j.chemosphere.2022.135293

5. Hossain, S., Maleha, S.M., Chaity, F.S., Islam, S., Akter, M.S., Ahmed, F., Bahadur, N.M., **Alam, M.D**., 2022, Isolation and Characterization of Multiple Antibiotics and Heavy Metals Resistant Bacteria from the Major Urban River's Water of Bangladesh, International Journal of Environmental Studies **(IF: 2.8, Tailor & Francis)**, Accepted.

6. Ahmed, F., Islam, M.A., Kumar, M., Hossain, M., Bhattacharya, P., Islam, M.D., Hossen, F., Hossain, M.D., Islam, M.S., Uddin, M.M., Islam, N.M., Bahadur, N.M.,

Didar-ul-Alam, M., Reza, H.M., Jakariya, M., **2021**. First detection of SARS-CoV-2 genetic material in the vicinity of COVID-19 isolation Centre in Bangladesh: Variation along the sewer network. ***Science of the Total Environment,*** 776:145724. **IF: 7.963 (Elsevier).**
https://doi.org/10.1016/j.scitotenv.2021.145724

7. Kabir, M.M., Akter, S., Ahmed, F.T., Mohinuzzaman, **M., Didar-Ul-Alam**, M., Mostofa, K.M., Islam, A.R.M.T., Niloy, N.M., **2021.** Salinity-induced fluorescent dissolved organic matter influence co-contamination, quality and risk to human health of tube well water, southeast coastal Bangladesh. ***Chemosphere***, 275, 130053. **IF: 7.086 (Elsevier).**
https://www.sciencedirect.com/science/article/abs/pii/S0045653521005221

8. Kabir, M.M., Mouna, S.S.P., Akter, S., Khandaker, S., **Didar-ul-Alam, M**., Bahadur, N.M., Mohinuzzaman, M., Islam, M.A., Shenashen, M.A., **2021.** Tea waste based natural adsorbent for toxic pollutant removal from waste samples. ***Journal of Molecular Liquids***, 322,115012. **IF: 6.165 (Elsevier).**
https://www.sciencedirect.com/science/article/abs/pii/S0167732220372548

9. Islam, A.R.M.T., Kabir, M.M., Faruk, S., Al Jahin, J., Bodrud-Doza, **M., Didar-ul-Alam**, M., Bahadur, N.M., Mohinuzzaman, M., Fatema, K.J., Rahman, M.S. and Choudhury, T.R., **2021.** Sustainable groundwater quality in southeast coastal Bangladesh: co-dispersions, sources, and probabilistic health risk assessment. ***Environment, Development and Sustainability***, 1-30. **IF: 3.219 (Springer).**
https://link.springer.com/article/10.1007/s10668-021-01447-4

10. Kabir, M. M., Hossain, N., Islam, A.R.M.T., Akter, S., Fatema, K.J., Hilary, L.N., Hasanuzzaman, **M., Didar-ul-Alam,** M., Mohinuzzaman, M., Choudhury, T.R., **2021.** Characterization of groundwater hydrogeochemistry, quality, and associated health hazards to the residents of southwestern Bangladesh. ***Environmental Science and Pollution Research*. IF: 4.223 (Springer).**
https://doi.org/10.1007/s11356-021-15152-2

11. M Begum, MN Gani, **MD Alam**, **2018**. Effect of textile effluent on the yield of jute leaves (Corchorus capsularis) in winter season. J. Biodivers. Conserv. Bioresour. Manag, 4(2): 53-60. https://doi.org/10.3329/jbcbm.v4i2.39849

12. Hasan M., Gani N., **Alam M.D**. and Chowdury MTA. **2019**. Effects of old jute seeds on Soil fertility and jute production. J.Fertility and jute production.J. Biodivers. Conserv.Biosour. Mannag. 5(2):33-4. Department of Zoology, University of Dhaka.

13. M.N. Gani, M. Rahman, **M. Didar-ul-Alam** and S.M.I. Huq, **2020.** Respose of a newly developed jute variety BJRI Tossa-7 to manganese application. Bangladesh j.Sc. Res.31-33(1):35-41.

14. **Md. Didar-ul- Alam**, **2018**. Influence of some essential elements (P, K, Ca, Mg, Fe and Mn) on the efficiency of five BGA (blue-green algae) species and two fertilizers in the growth of rice. MOJ. BioEquivalance and Bioavailability.Volume 5 Issue 2 - 2018

15. Tazeen Fatima Khan and **M. Didar-ulalam**, **2018**. Effects of legume rhizobium symbibsis in soil. Bangladesh J.Bot.47 (4):945-952, 2018(December)

16. **Md. Didar-ul-alam**, Mahin Bari and Md. Nazrul Islam.**2018.** E-waste management Bangladesg—an easy types review paper. MOJ BioEquivalance and Bioavailability - 18-R 223.

17. Monoara Begum, Md. Nasimul Gani and **Md. Didar-ul- Alam**.**2018**. Utilization of textile effluent on yield of jute vegetable (*Corchoru capsularis*) in winter season. J. Biodivers.conserv. Bioresourc Manage. 3(2), 2017. Department of Zoology, University of Dhaka.

18. **Md.Didar-Ul- Alam**, **2017**. Efficiency study of five blue-green algae species and two fertilizers as a source of nitrogen in the growth of rice. Interdisciplinary Journal of Chemistry.Interdicip J Che, 2017. Doi:10.15761/IJC.1000115. Volume 2 (1): 3-3 chemistry@oatextjournals.com.

19. Fahmida Akter, **Md. Didar-Ul-Alam**, Monira Begum and Naushad Alam. **2017**. Accumulation of Diazinon in Indian spinach under different doses of rice hull.Dhaka Univ.J.Biol.26(2) : 125-131.2017(July)

20. M.Naushad Alam and **Md. Didar-Ul- Alam**, **2017.** Diazinon and dustban residue in Soil at different applied doses and response of cabbage at different growth stages. Int J. Environ. Sci Nat Res 4 (5): IJESNR.MS.ID.555648 (2017).

21. **Md. Didar-Ul-Alam**, Tazin Fateme Khan and Fahmida Akter, **2017**. Impacts of Diazinon on Nutrient Availability in Indian Spinach with different doses of Rice Hull".MOJ. BioEquivalance & Bioavilability .Vol 4, Issue 2, 2017

22. **Md. Didar-Ul-Alam**, Tazin Fateme Khan and Fahmida Akter, **2017.** Effects of Diazinon on Iron availability in Indian Spinach with different doses of Rice Hull as a Bioremediant". J biodivers.conserv. bioresourc. manage. 3(2), 2017. Department of Zoology, University of Dhaka.

23. **Md.Didar-Ul- Alam** and M.Naushad Alam, **2016.** Determination of Elemental Sulfur from S-riched soil and Fertilizer by Titrimetric Method. Chem Sci J, Vol, 7, Issue, 1, 1000119.ISSN: 2150-3494. CSJ.

24. **Md.Didar-Ul- Alam, 2016.** Study on % recovery of N by rice plant from surface applied through fertilizers and five BGA (Blue-green algae) species.Interdisciplinary Journal of Chemistry.Interdicip J Che, 2017. Doi:10.15761/IJC.1000115. Volume 2 (1):2-2

25. **Md.Didar-Ul- Alam** and M. Naushad Alam, **2015**.Changes in pH of a Non-calcareous Brown Flood Plain soil, treated with five BGA species under various moisture and temperature conditions. Bangladesh J. soil Sci. 37 (2) : 69-74, 20015.

26. M.Naushad Alam and **Md. Didar-Ul- Alam**, **2012**. Impact of persistent organic pollutants on environment and their remediation. Saminar Presentation on organic pollutants In Food , agriculture Products and Environment(18.01.12).Organic Pollutants Research Group (BAN: 04), Department of chemistry, DU, Bangladesh,

Sponsored by International Science Programme (ISP), UppasalaUniversity, Uppasala, Sweden. PP, 17-18.

27. M.Naushad Alam and **Md.Didar-Ul- Alam**. **2011.** Study on Some dissolve Heavy Matels o f Sitalakhya River. Res, Bioscience, ISSN, 2230-9446, 2011, Vol, 41 Issue, 311-16.

28. SZKM, **Md.Didar-Ul- Alam**, S.Dhoha & N. Alam, **2010**.Water quality of mojor ponds of Comilla town. Bangladesh J. Sci. Ind. Res.45 (1), 57-62.

29. M.H.Ullah, S.M.I.Huq, **Md.Didar-Ul- Alam** and M.A.Rahman.**2010**. Effects of different levels of sulphur on growth, sulphur content ans uptake by onion plant. Bangladesh J.Soil Sci.36 (1-2):41-51, 2010.

30. M.H.Ullah, S.M.I.Huq, **Md.Didar-Ul- Alam** and M.A.Rahman.**2010**. Effects of different combinations of zinc, boron and copper nutrients on yield, storability and economic return onion. Bangladesh J.Soil Sci.36 (1-2):9-16, 2010.

31. Md.Didar-Ul- Alam and Others, **2008.** Water quality some shrimp cultivated areas of Bangladesh and suitability of alum and bleaching powder in removing soluble salts. Journal of Biol. Scie., Dhaka University, 17(1): 67-72, 2008(January).

32. Md.Didar-Ul- Alam, 2008.The effect of amount on release of NH4 and NO3-N in the soils at two harvests of nitrogen through five blue-green algae species and N-fertilizers in rice growing plants .Bangladesh J.Sci.Indus.Res.43(3),427-432.2008.

33. Md.Didar-Ul- Alam and Others, **2008**.Impacts of Sulphur levels on yield, strorability and Economic return of onion. Bangladesh J.Agril.Res.33(3): 539-548, December,2008

34. Md.Didar-Ul- Alam.and Others, **2008**. Effects of Inoculation with Arbuscular-Mycorrhizal Fungi and Phosphorus on Growth,Yield and Nutrient Uptake of Mungbean Grown in srerile and Non-Sterile Soil. J.Phytol.Res. 21(2): 247-251, 2008.

35. **Md.Didar-Ul- Alam**, **2007**. Nutrients release in a non-calcareous brown flood plain soil under various moisture and temperatures. Dhaka Univ.J. Biol.Sci.16 (1):49-53, (January).

36. Naushad Alam, Syed Fazle Elahi, **Md.Didar-Ul-Alam** & Manzural Islam, **2007**. Seasonal variation of physico chemical characteristics of River Sitalakhya in a year (ACAD).Journal Bulgaria.17.09.2007.

37. **Md.Didar-Ul- Alam**. **2007**. Study on % recovery of nitrogen in incubation with five BGA (blue-green algae) species at four temperatures and three moisture conditions.2007.BCSIR, Bangladesh J. Sci. Ind. Res., 42(2): 235-238, 2007.

38. K. RAHMAN, S. M. KABIR, G. M. MOHSIN AND **Md.Didar-Ul- Alam. 2006.** Growth and nutrient uptake effects of arbuscular- mycorrhizal fungus glomus mosseae and phosphorus on maize plants grown in sterile and non- sterile soil under drought- stressed and unstressed conditions. Bangladesh. Journal of Botany. **35(1)**:1-7, 2006 (June)

39. **Md.Didar-Ul- Alam. 2006**. Rate of decomposition and nutrient release by five Blue-green algae at one percent moisture condition in Bangladesh J.Asiatic Soc. of Bangladesh, Sci., 32(1): 149-154, June 2006.

40. M.N. ALAM, F.Elahi and **M.Didar-ul-Alam**, **2006**. Risk and Water Quality Assessment overview of River Sitalakhya in Bangladesh. Advanced of International Journal (AOIJ). Bulgaria.Vol.19.Desember 21st. (2006).

Book (No.36)

41. S.M.I. Huq and **Md.Didar-ul-Alam**, **2005.** *A Handbook on Analyses of Soil, Plant and Water.* Bangladesh- Australia Centre for Environmental Research (BACER-DU), Department of Soil, Water and Environment, University of Dhaka, Dhaka-1000. Bangladesh.

42. **Md.Didar-Ul- Alam**, **2004**. Change of pH and Eh in soils and water in a study of three sources of nitrogen with and without growing of rice. Dhaka Univ. J. Biol. Sci.13 (1): 107 – 112, 2004(January).

43. **Md.Didar-Ul- Alam**, **2004**. Effect of fertilizers and five BGA (blue-green algae) species on the dry matter yield of rice at two harvests.Bangladesh J. Sci.Ind. Res. 39(3-4), 1- 169-176, 2004.

44. Hafizullah, S.M.Immamul Huq and **Md.Didar-Ul- Alam**, **2004**. Respond of Onion to N, P and K fertilization. Bangladesh J. Agril. Res. 29(3): 432-436, September, 2004.

45. Hafizullah, S.M.Immamul Huq and **Md.Didar-Ul- Alam**, **2004.** Effect of N, P and K on nutrient content in onion. Bangladesh J. Agril. Res. 30(1): 41-48, March, 2005.

46. **Md.Didar-Ul- Alam**, **2003.** Carbon dioxide production and nutrient release by three blue-green algae in non-calcareous brown flood plain soil under waterlogged condition.Bangladesh. J. Soil science. Vol.27-29. Number (1 & 2). June-December, 2001-2003.

47. **Md.Didar-Ul- Alam**, **2003**.Decomposition rate and nutrient release by blue-green algae in Bangladesh soil. Bangladesh .J. Bot. 32 (2): 101-106. 2003 (December).

48. **Md.Didar-Ul- Alam**, **2003.** Author of several entries in the BANGLAPEDIA-National EncyclopediaofBangladesh. Published by Asiatic Society of Bangladesh. ISBN-984-32-0583-9. Strip Cropping (Vol.9 and P.440), Sub soil (Vol.9 and P.449) and Tillage (Vol.10 and p.158).

Popular article (No. 44 & 45)

49. **Md.Didar-ul-Alam**, **2001**. Cricket Pitch of Banga Bandhu National Stadium. Banglar Bani. 08.08.2001.

50. **Md. Didar-ul-Alam**, **2002**. Cricket Pitch of Banga Bandhu National Stadium from veiw point of soil Science. Dainik Arthoniti. Series, 29.07.02- 08.08.2002.

51. M.Hoque, T.Uddin, **Md.Didar-Ul- Alam** and M.Ahmed. **2000**. Hydrogeology and Geochemistry of the coastal aquifers of Noakhali-Laxmipur-Chandpur region, SE Bangladesh. The Journal, NOAMI, Vol.17. No. 1&2.December (2000).

52. S.M.I. Huq, M. Akhter and **M.D. Alam**, **1998**. Critical values for phosphorus of some representative Bangladesh soils with respected to wheat. Dhaka Univ. J. Biol. Sci. 7 (1): 33 - 39 (January).

53. **M.D. Alam** and J.W. Parsons, **1998.** pH Changes in two growth media in the batch culture of five BGA species with shaking. J. Asiat. Soc. Bangladesh. Sci. 34 (1): 145 - 150.

54. **M.D. Alam** and J.W. Parsons. **1998**. Effected of Non-shaking on pH, growth and survivability of five BGA in batch culture. J. Asia. Soc. Bangladesh. Sci. 24 (1): 173 - 177.

55. Rahman, M.K., Mandal, R., Kabir, S.M. and **Alam, M.D**. **1998.** Effects of inoculation with vesicular-carbuncular mycorrhizal fungi and phosphorus on the growth and yield of Lens culinaris grown in sterile and non-sterile soil under drought-stressed and unstressed conditions. Presented at the Seminar of Biotechnology Research Centre, Dhaka University, and August 04, 1998. MS 18 pages. Suppl. Issue Dhaka Univ. J. Bio.Sci. 8 (2):31-40.

56. **Md.Didar-Ul- Alam** and J.W. Parsons, **1998**. Study on the growth and yield of BGA (Blue-green algae) in two growth media adjusted to pH 7.5. Bangladesh, J. of Sci. Res. 16(2): 253-256 1998 (December).

57. S.M.I. Huq, M. Akhter and **M.D. Alam**, **1997**. Effected of Soil proportion on the extraction of phosphorus from some representative Bangladesh soils. Dhaka University Journal of Biological Sciences 6 (2): 167 - 172 (July).

58. S.M.I. Huq, M. Akhter and **M.D. Alam**, **1997.** Evaluation of some soil test methods for phosphorus in some Bangladesh soils with respected to wheat. J. Asiat. Soc. Bangladesh. Sci. 23 (2): 195 - 204.

59. **Md.Didar-ul-Alam**, **1996.** Relation between rate of decomposition (C02 release) and nutrient release by five blue-green algae under various moisture conditions. Dhaka University Journal of Biological Sciences 5 (2): 137 - 142.

60. **Md.Didar-ul-Alam**, **1995.** Organic Carbon Mineralization in Soil under dry condition. Dhaka University of Biological Sciences 4 (2): 197 - 198.

61. Amirullah, **Md. Didar-ul-Alam** and S.M.I. Huq, **1994**. Nutrient release characteristics of Duck manuare. I Effect of diet, Bedding materials and Manuare Storage. Dhaka University of Journal of Biological Sciences 3 (2): 145 - 152.

62. Amirullah, **Md. Didar-ul-Alam** and S.M.I. Huq, **1994**. Nutrient release characteristics of Duck manuare. II Grow-out response of Nile Telapia to Manure input. Dhaka University Journal Biological Sciences 3 (2): 193 - 195.

63. Shamsuddin, **Md. Didar-ul-Alam**, K. Anam S.M.I. Huq and S.A. Ahad, **1993**. A study of the intercropping of soyabeans with rubber plants and bushbeans with rubber plants, Dhaka University Journal Biological Sciences 2 (1): 41 - 46.

64. S.H. Jahangir, **Md.Didar-ul-Alam**, K. Anam and Shafiqur Rahman, **1992**. Effect of nutrients on growth of rubber plant and latex production in Bhattara Garden Soil. Bangladesh Journal of Scientific Research, Vol. 10. No. 1: 53 - 57.

Book (No. 60)

65. **Md.Didar-ul-Alam**, S.M.I. Huq, Shafiqur Rahman and K. Anam, **1991.** A Handbook of Soil, Plant and Water Analysis. Published by A.P. Shamsuddin and Madhumati Madranalaya, Dhaka - 1000.

66. Sazzad Hossain, **Md.Didar-ul-Alam**, K. Anam, **1991.** Chemical analysis of ground water samples collected from deep and hand tube-well in and ground Dhaka city. Bangladesh Journal of Scientific Research, 9 (2): 171 - 176

67. **Md. Didar-ul-Alam**, **1990.** A Study of nitrogen supplied though blue-green algae or as fertilizer in the growth of rice. Ph.D. thesis. Departmet of Soil Science, University of Aberdeen, Scotland (UK).

68. Shamsuddin, **Md.Didar-ul-Alam**, Shafiqur Rahman and K. Anam, **1990**. A study on the soils of Satagon and Shajibajar Rubber Gardens having plantation of different ages. Journal of Nuclear Science and Applications. Vol. 2. No. 2: 32 - 36.

69. **Md.Didar-ul-Alam**, Shafiqur Rahman and K. Anam, **1990**. A study of physico-chemical properties of some sub soil samples of Khulna districts. Journal of Nuclear Science and applications. Vol. 2. No. 2: 74 - 76.

70. **Md.Didar-ul-Alam**, S.M.I. Huq and K. Anam, **1989.** Choice of extraction methods in assessing available nitrogen of Dantmara Soils, Journal of Nuclear Science and Application, Vol. 1. No. 1: 1 - 5.

71. **Md.Didar-ul-Alam**, S.M.I. Huq and K. Anam, **1987**. Some properties of a few sub-surface soils from Haor areas of Sylhet. Dhaka University Studies (Part - E), 2 (1): 61 - 63.

72. M. M. Rahman, **Md.Didar-ul-Alam**, S. Hoque and A. Islam, **1986.** A study to evaluate the efficiency of the digested slurry of organic wastages product by anaerobic digestion on he growth of rice plants. Dhaka University Studies (Part - E), 1 (2): 101 - 106.

Technical Report (No 68, 69 & 70)

73. **Md.Didar-ul-Alam, 1983**. Water Analyses Report of Twentyv three Samples, supplied by special studies directorate, Bangladesh Water Development Board. River Research Institute. 1983.

74. **Md.Didar-ul-Alam, 1982**. Soil Testing Report of four locations of Teesta Barrage Project. River Research Institute.Rangpur. Bangladesh Water Development Board. Dhaka 1982.

75. **Md. Didar-ul-Alam**, and K. Anam, **1981.**Chemical methods as a tool for determining fertilizer needs of soil. A project work of UGC. Soil Science Department of Dhaka University.

76. K. Anam, **Md. Didar-ul-Alam**, Shafiqur Rahman and A. H. M. Ahmed, **1982.** Available Calcium and Magnesium contents of Dantmara Soil with respect to rice as assessed by different methods. Dhaka University Studies (Part - B), XXX (1): 71 - 81.

77. K. Anam, **Md. Didar-ul-Alam**, Shafiqur Rahman and S.M.I. Huq. **1982.** Evaluation of the suitability of the methods for assessment of Dantmara Soil with respect to rubber plant. Dhaka University Studies (Part - B), XXX (2): 181 – 189.

78. K. Anam, **Md. Didar-ul-Alam** and S.M.I. Huq, **1981-82.** Choice of extraction methods in assessing available nutrients. II. Phosphorus and Potassium. Bangladesh Journal of Soil Science, Vol. 17: 66 - 76.

79. K. Anam, A. H. M. Ahmed, Shafiqur Rahman, and **Md. Didar-ul-Alam**, **1979-81**. A Study of Dantmara Rubber Soil. Journal of the Asiatic Society of Bangladesh. Vol. VI & VII: 11 – 17.

80. **Md.Didar-ul-Alam**, **1980**. Nutrient availability with respect to paddy vis-a-vis rubber plant as assessed by different methods in a rubber garden soil of Bangladesh. M.Sc. Thesis, Department of Soil Science, Dhaka University.

Books:

81. **Md.Didar-ul-Alam**, S.M.I. Huq, Shafiqur Rahman and K. Anam, **1991.** *A Handbook of Soil, Plant and Water Analysis.* Published by A.P. Shamsuddin and Madhumati Madranalaya, Dhaka – 1000

82. S.M.I. Huq and **Md. Didar-ul-Alam**, **2005.** *A Handbook on Analyses of Soil, Plant and Water.* Bangladesh- Australia Centre for Environmental Research (BACER-DU), Department of Soil, Water and Environment, University of Dhaka, Dhaka-1000. Bangladesh.

Technical Reports:

1. **Md. Didar-ul-Alam, and** K. Anam, **1981.**Chemical methods as a tool for determining fertilizer needs of soil. A project work of UGC. Soil Science Department of Dhaka University.

2. **Md.Didar-ul-Alam, 1982.** Soil Testing Report of four locations of Teesta Barrage Project. River Research Institute.Rangpur. Bangladesh Water Development Board. Dhaka 1982.

3. **Md.Didar-ul-Alam, 1983.** Water Analyses Report of Twenty three Samples, supplied by special studies directorate, Bangladesh Water Development Board. River Research Institute. 1983.

Popular articles:

1. **Md.Didar-ul-Alam, 2001.** Cricket Pitch of Banga Bandhu National Stadium. Banglar Bani. 08.08.2001.
2. **Md. Didar-ul-Alam, 2002.** Cricket Pitch of Banga Bandhu National Stadium from veiw point of soil Science. Dainik Arthoniti. Series, 29.07.02- 08.08.2002.

Single Articles:

1. **Md.Didar-ul-Alam, 1990**. A Study of nitrogen supplied though blue-green algae or as fertilizer in the growth of rice. Ph.D. thesis. Departmet of Soil Science, University of Aberdeen, Scotland (UK).

2. **Md.Didar-ul-Alam**, **1995**. Organic Carbon Mineralization in Soil under dry condition. Dhaka University of Biological Sciences 4 (2): 197 - 198.

3. **Md.Didar-ul-Alam**, **1996**. Relation between rate of decomposition ($C0_2$ release) and nutrient release by five blue-green algae under various moisture conditions. Dhaka University Journal of Biological Sciences 5 (2): 137 - 142.

4. **Md.Didar-ul-Alam, 2001.** Cricket Pitch of Banga Bandhu National Stadium. Banglar Bani. 08.08.2001.

5. **Md. Didar-ul-Alam, 2002.** Cricket Pitch of Banga Bandhu National Stadium from veiw point of soil Science. Dainik Arthoniti. Series, 29.07.02- 08.08.2002.

6. **Md.Didar-Ul- Alam, 2001-2004**. Carbon dioxide production and nutrient release by three blue-green algae in non-calcareous brown flood plain soil under waterlogged condition.Bangladesh. J. Soil science. Vol.27-29. Number (1 & 2). June-December, 2001-2003.

7. **Md.Didar-Ul- Alam, 2003**.Decomposition rate and nutrient release by blue-green algae in Bangladesh soil. Bangladesh .J. Bot. 32 (2): 101-106. 2003 (December).

8. **Md.Didar-Ul- Alam, 2003**. Author of several entries in the BANGLAPEDIA-National EncyclopediaofBangladesh. Published by Asiatic Society of Bangladesh. ISBN-984-32-0583-9. Strip Cropping (Vol.9 and P.440), Sub soil (Vol.9 and P.449) and Tillage (Vol.10 and p.158).

9. **Md.Didar-Ul- Alam, 2004**. Change of pH and Eh in soils and water in a study of three sources of nitrogen with and without growing of rice. Dhaka Univ. J. Biol. Sci.13 (1): 107 – 112, 2004(January).

10. **Md.Didar-Ul- Alam 2004.** Effect of fertilizers and five BGA (blue-green algae) species on the dry matter yield of rice at two harvests.Bangladesh J. Sci.Ind. Res.

39(3-4), 1- 169-176, 2004.

Md.Didar-Ul- Alam. **2006.** Rate of decomposition and nutrient release by five Blue-green algae at one percent moisture condition in Bangladesh J.Asiatic Soc. of Bangladesh**,** Sci**., 32(1): 149-154, June 2006.**

11. **Md.Didar-Ul- Alam**, **2007**. Nutrients release in a non-calcareous brown flood plain soil under various moisture and temperatures. Dhaka Univ.J. Biol.Sci.16 (1):49-53, (January).
12. **Md.Didar-Ul- Alam.2007.**Study on % recovery of nitrogen in incubation with five BGA (blue-green algae) species at four temperatures and three moisture conditions**.2007**.BCSIR, Bangladesh J. Sci. Ind. Res., 42(2): 235-238, 2007.
13. **Md.Didar-Ul- Alam,2008**.The effect of amount on release of NH_4 and NO_3-N in the soils at two harvests of nitrogen through five blue-green algae species and N-fertilizers in rice growing plants .Bangladesh J.Sci.Indus.Res.43(3),427-432.2008.
14. **Md.Didar-Ul- Alam,** 2016. Study on % recovery of N by rice plant from surface applied through fertilizers and five BGA (Blue-green algae) species.Interdisciplinary Journal of Chemistry.*Interdicip J Che*, 2017. Doi:10.15761/IJC.1000115. Volume 2 (1): 2-2
15. **Md.Didar-Ul- Alam,** 2017. Efficiency study of five blue-green algae species and two fertilizers as a source of nitrogen in the growth of rice. Interdisciplinary Journal of Chemistry.*Interdicip J Che*, 2017. Doi:10.15761/IJC.1000115. Volume 2 (1): 3-3 chemistry@oatextjournals.com.
16. **Md. Didar-ul- Alam** Influence of some essential elements (P, K, Ca, Mg, Fe and Mn) on the
17. **Md. Didar-ul- Alam**, Efficiency of five BGA (blue-green algae) species and two fertilizers in the growth of rice. MOJBB 17-RW-155

Communications:

1. Obaidullah and Didar-ul-Alam, 1996. Effect of Shrimp culture on geological properties of some Khulna-Bagerhat soils of Bangladesh, Dhaka University Journal of Biological Sciences.
2. Effect of fertilizers and pollutants on the uptake of Mn, Pb and Cd by rice mungbean grown on two soils.
3. Effect of fertilizers and pollutants on the uptake of Na, Cu, Fe and Zn by rice and mungbean grown on two soils.
4. Effect of fertilizers and pollutants on the changes in pH and microbial population and mungbean grown on two soil series of Bangladesh.
5. Effect of fertilizers and pollutants on glucose and proline accumulation in rice and mungbean grown on two soils series of Bangladesh.
6. Effect of fertilizers and pollutants on moisture content, nodulation and crude protein content in rice and mungbean grown on two soils of Bangladesh.
7. Suitibility of extraction methods of major elements of some representative soils of Bangladesh with respect to rice plants. I. Phosphorus and Potassium.
8. 8Suitibility of extraction methods of major elements of some representative soils of Bangladesh with respect to rice plants. II. Calcium and Magnesium.
9. Suitibility of extraction methods of major elements of some representative soils of Bangladesh with respect to rice plants. III. Nitrogen.