

Department of Soil Science
(PhD degree awarded: 53)

SI No.	Name of student	Name of supervisor	Dissertation title	Year of obtaining degree
1.	Md. Sadrul Amin	Prof. Dr, Z. H. Bhuiya	Transformation and nutrification of urea in Bangladesh soils	1982
2.	Md. Joinul Abedin Mian	Prof. Dr, Z. H. Bhuiya	Air, water and nutrient interactions in paddy soils	1990
3.	Md. Atiqur Rahmad	Prof. Dr. M. Shamsul Hoque	Integrated use of fertilizer and manure for crop production in wheat-rice and rice-rice cropping patterns	2002
4.	Shafiuddin Kaisar Zaman	Prof. Dr. M. Jahiruddin	Integration of fertilizer and manure for sustainable soil fertility and productivity in rice-rice cropping system	2003
5.	Mohiuddin Ahmed	Prof. Dr. M. Jahiruddin	Screening of boron efficient wheat genotypes and assessing boron requirement for wheat-fallow-t. Aman rice cropping pattern	2005
6.	Md. Asadul Haque Bhuiya	Prof. Dr. Musharraf Hossain Mian	Evaluation of introducing mungbean into cereal based cropping pattern for sustainable soil fertility and productivity	2005
7.	Md. Badirul Islam	Prof. Dr. M. Jahiruddin	Requirement of boron for mustard, wheat and chickpea based rice cropping patterns	2006
8.	Md. Jalal Uddin Sarker	Dr. Md Shahidul Hoque BARC	Effects of brown manure from food legumes on transplant aman rice and cropping patterns	2006
9.	Sohala Akhter	Dr. Z. Karim BARC	System simulation for wheat with special reference to soil and plant nitrogen dynamics and balance	2006
10.	Shahana Akter	Dr. Z. Karim BARC	The effect of arsenic contaminated water and soil on rice	2006
11.	Md. Asaduzzaman Khan	Prof. Dr. M. Rafiqul Islam-1	Movement of arsenic in irrigated rice soil	2007
12.	Md. Baktear Hossain	Prof. Dr. M. Jahiruddin	Behaviour of arsenic in the soil-plant system	2007

13.	Md. Habibur Rahman	Prof. Dr. M. Rafiqul Islam-1	Improvement of crop productivity and sustenance of soil fertility by inclusion of legume in the maize-fallow-t. Aman rice cropping pattern	2008
14.	Md. Ashraf Hossain	Prof. Dr. M. Jahiruddin	Requirement of boron for mustard-mungbean-rice pattern and zinc for maize-mungbean-rice pattern in calcareous soil	2008
15.	Md. Zahurul Islam	Prof. Dr. Musharraf Hossain Mian	Screening and selection of effective <i>Azotobacter</i> strains and their use as biofertilizer for cultivation of wheat	2008
16.	Md. Sharif Uddin	Prof. Dr. Md. Joinul Abedin Mian	Dynamics of potassium in paddy soils	2009
17.	Md. Shahiduzzaman	Prof. Dr. M. Abul Hashem	Integrated nutrient management for yield maximization of garlic	2010
18.	Md. Abdul Bari	Prof. Dr. M. Abul Hashem	Impact of deforestation on land and soil of Chakaria sundarbans mangrove area	2010
19.	Md. Bodruzzan	Prof. Dr. M. Jahiruddin	Lime requirement of acid soils for sustainable crop production	2010
20.	Md. Azizul Haque	Dr. M. A. Sattar BINA	Characterization and selection of phosphate solubilizing bacteria and their use as biofertilizer for the growth and yield of rice and wheat	2012
21.	Md. Abdus Salam	Prof. Dr. M. Jahiruddin	Phosphorus management for the wheat-rice and chickpea-rice cropping patterns in high Barind tract	2012
22.	Nirmal Chandra Shil	Prof. Dr. M. Rafiqul Islam-1	Potassium dynamics in soils of Bangladesh in relation to crop nutrition	2013
23.	Jebun Nahar Ferdoush	Prof. Dr. M. Mazibur Rahman	Effects of boron on physiological and yield parameters of wheat varieties at different sowing dates	2013
24.	Reema Ashrafi	Prof. Dr. Musharraf Hossain Mian	Recycling of spent mushroom substrate for use in mushroom culture and vegetables production	2014
25.	Rumia Khanom	Prof. Dr. M. Jahiruddin	Requirement of zinc and boron for composite and hybrid maize and their residual effects on rice	2014
26.	Saidul Islam	Prof. Dr. M. Jahiruddin	Screening and selection of wheat genotypes for boron efficiency	2014
27.	Md. Ayub-ur-Rahman	Prof. Dr. M. Jahiruddin	Integrated use of fertilizer with manure on mustard, potato and wheat and their residual effects on succeeding crops	2014

28.	Mohammad Asadul Haque	Prof. Dr. M. Jahiruddin	Mineralization of bioslurry and its integrated use with fertilizers in the rice based cropping systems	2014
29.	Md. Mukhlesur Rahman	Prof. Dr. M. Mazibur Rahman	Quality assessment of municipal solid waste compost and effect of the compost on rice crop and soil properties	2014
30.	Md. Anayet Ullah	Prof. Dr. Md. Joinul Abedin Mian	Cadmium dynamics in soil-plant systems	2014
31.	Begom Samia Sultana	Prof. Dr. Musharraf Hossain Mian	Amendment of Piedmont Soils with Lime and Manure for Improving Soil Fertility and Crop Production in Potato and Wheat Based Cropping Patterns	2015
32.	Md. Abdul Wahab Golder	Prof. Dr. Md. Joinul Abedin Mian	Arsenic and cadmium accumulation in the crops of carrot-red amaranth-transplant aman rice pattern	2015
33.	Md. Abdul Quddus	Prof. Dr. Md. Joinul Abedin Mian	Cropping pattern based nutrient balance in calcareous and terrace soils of Bangladesh	2015
34.	Sultana Bilkis	Prof. Dr. M. Rafiqul Islam-2	Mineralization of different types of manure and their field performances in the potato-mungbean-rice and rice-fallow-rice cropping patterns	2016
35.	A. T. M. Sakhawat Hossain	Prof. Dr. Md. Joinul Abedin Mian	Mineralization of different types of manure and their field performances in the potato-mungbean-rice and rice-fallow-rice cropping patterns	2016
36.	Mohammad Idris Ali Howlader	Prof. Dr. M. Mazibur Rahman	Integrated plant nutrition system for mungbean – t. Aus - t. Aman cropping pattern in the Ganges tidal floodplain	2016
37.	Shyamal Brahma	Prof. Dr. M. Abul Hashem	Integrated nutrient management for sustainable yield and storability of onion	2016
38.	Bijoy Krishna Biswas	Prof. Dr. M. Abul Hashem	Integrated nutrient management for sustainable soil fertility and crop production in the rice-rice and potato-rice cropping systems	2016
39.	Saiyera Chowdhury	Prof. Dr. M. Mazibur Rahman	Effect of compost and biofertilizer on crop yield and soil fertility in the mungbean and boro rice based cropping systems	2016
40.	Md. Forhadul Islam	Prof. Dr. M. Rafiqul Islam-1	Requirement of micronutrients for rice based cropping patterns in Tista meander floodplain soils	2017
41.	Md. Mosharaf Hossain Sarker	Prof. Dr. Abu Zofar Md. Moslehuddin	Application of micronutrients for vegetable and cereal crops in old Meghna estuarine floodplain soil	2017

42.	Md. Aminul Haque	Prof. Dr. M. Mazibur Rahman	Nutrient requirement for sugarcane and intercrops in the tista meander floodplain and high Ganges river floodplain soils	2017
43.	Nazmus Salahin	Prof. Dr. M. Jahiruddin	Influence of minimum tillage and crop residue retention on soil organic matter, nutrient content and crop productivity in the rice-jute system	2017
44.	Ranjit Chandra Kabiraj	Prof. Dr. M. Abul Hashem	Integrated nutrient management for improvement of soil fertility and yield maximization of sugarcane	2018
45.	Mohammed Shawkhatuzzaman	Prof. Dr. M. Abdul Kader	Changes in land use and soil properties in the Barind tract, Brahmaputra floodplain and Ganges river floodplain	2018
46.	Azmul Huda	Prof. Dr. M. Rafiqul Islam-1	Nitrogen and water management practices for sustainable rice production and reduction of nitric and nitrous oxide emission	2019
47.	Mahbubur Rahman Khan	Prof. Dr. M. Jahiruddin	Biofortification of zinc and iron in wheat by fertilizer application and variety selection	2020
48.	Mohammad Zahangeer Alam	Prof. Dr. Md. Anamul Hoque	Arsenic uptake and mitigation in lentil, mungbean and pea	2020
49.	Most. Bilkis Banu	Prof. Dr. Musharraf Hossain Mian	Selection and characterization of efficient Arbuscular Mycorrhiza strains for cultivation of vegetables and spices	2021
50.	Mohammad Arifur Rahman	Prof. Dr. M. Jahiruddin	Application of biochar as soil amendment for improvement of soil fertility, carbon sequestration and crop yield in charland	2021
51.	Mst. Marufa Sultana	Prof. Dr. M. Jahiruddin	Nutrient enhancement of MSW compost by organic amendments and its effects on soils and crops	2021
52.	Abdullah Al Mahmud	Prof. Dr. M. Jahiruddin	Biofortification of zinc and iron in rice by fertilizer application and variety selection	2021
53.	Md. Rafiqul Islam	Prof. Dr. Md. Joinul Abedin Mian	Effect of different nutrients on the growth, yield and shelf life of betel leaf.	2021