

## List of Research Publications

### Journals

1. **Jahiruddin, M.**, Bhuiya, Z. H., Hoque, M.S. and Rahman, L. 1981. Effect of rates and methods of zinc application on rice. Madras Agric. J. 68(4): 211-216. [India]
2. Bhuiya, Z.H., Idris, M. and **Jahiruddin, M.** 1981. Response of IR 8 to zinc fertilizer. Int. Rice Res. Newslett. 6(6): 11. [Philippines]
3. **Jahiruddin, M.** and Hoque, M. S. 1983. Factors affecting zinc availability to plant- a review. Bangladesh J. Agril. Sci. 10(1): 1-12. [Bangladesh]
4. Hoque, M.S., **Jahiruddin, M.** and Rahman, M.M. 1983. Comparative study on the use of Urea +TSP and DAP in rice production. Bangladesh J. Agril. Sci. 10(2): 163-168. [Bangladesh]
5. Idris, M. and **Jahiruddin, M.** 1983. Response of BR 3 rice to sulphur fertilization. Int. Rice Comm. Newslett. 32(1): 28-30. [Italy]
6. **Jahiruddin, M.**, Livesey, N.T. and Cresser, M.S. 1985. Observations on the effect of soil pH upon zinc absorption by soils. Commun. Soil Sci. Plant Anal. 16(8): 909-922. [USA]
7. **Jahiruddin, M.**, Chambers, B.J., Livesey, N.T. and Cresser, M.S. 1986. Effect of liming on extractable Zn, Cu, Fe and Mn in selected Scottish soils. J. Soil Sci. 37: 603-615. [UK]
8. Alam, M.T., **Jahiruddin, M.**, Bhuiya, Z.H. and Hoque, M.S. 1988. Response of three cultivars of grasspea to *Rhizobium* inoculation. Bangladesh J. Microbiol. 5(2): 11-16.[Bangladesh]
9. Hoque, M.S., **Jahiruddin, M.** and Paul, G.C. 1988. Response of soybean to *Rhizobium* inoculation and NPK fertilization. Crop Res. 1(1): 102-108. [India]
10. **Jahiruddin, M.** and Cresser, M.S. 1989. Chemical methods for assessing available zinc in soil. Thai. J. Agric. Sci. 22: 77-88. [Thailand]
11. **Jahiruddin, M.**, Cresser, M.S. and Livesey, N.T. 1989. Zinc adsorption on soil as influenced by ignition, hydrochloric acid and sodium carbonate pretreatments. J. Indian Soc. Soil Sci. 37: 692-699. [India]
12. **Jahiruddin, M.** and Cresser, M.S. 1990. Effect of submergence on zinc, iron, manganese and copper availability in Bangladesh soils. Bangladesh J. Agril. Sci. 17(1): 85-91. [Bangladesh]
13. Solaiman, M.Z., **Jahiruddin, M.**, Hoque, M.S. and Bhuiya, Z.H. 1990. Effect of Azolla and urea on N, P, K, and S content in rice. Pak. J. Sci. Indust. Res. 38(4): 155-158. [Pakistan]

14. Solaiman, M.Z., Bhuiya, Z.H., Hoque, M.S. and **Jahiruddin, M.** 1990. Evaluation of the effects of Azolla manuring and urea application on soil fertility. Prog. Agric. 1: 25-30. [Bangladesh]
15. Choudhury, F. A., **Jahiruddin, M.** and Ghosh, S.C. 1990. Influence of continuous cropping on potassium depletion of soils. Prog. Agric. 1(2) : 37-42. [Bangladesh]
16. Akhter, S., Ali, M.I., **Jahiruddin M.**, Ahmed, S. and Rahman, L. 1990. A study of phosphorus-zinc interaction in rice. Bangladesh J. Crop Sci. 1(2) : 99-109. [Bangladesh]
17. Ali, M.H., Hoque, M.S. and **Jahiruddin, M.** 1990. Prospects of boro ratoon cropping in alleviating rural poverty in haor areas of Bangladesh. Bangladesh J. Agric. Econ. 13 : 121-131. [Bangladesh]
18. Haque, M.F., Hoque, M.S. and **Jahiruddin, M.** 1991. An evaluation trial of *Rhizobium* strain TAL 638 in presence or absence of NPK fertilization on lentil. Bangladesh J. Microbiol. 8(1) : 59-61. [Bangladesh]
19. **Jahiruddin, M.** and Cresser, M.S. 1991. Solubility of Zn as affected by Fe, Al, and P concentrations in relation to pH. J. Indian Soc. Soil Sci. 39 : 371-373. [India]
20. Hoque, M.S., **Jahiruddin, M.** and Ali, M.H. 1991. Impact of BWDB embankment on rationing of boro paddy in haor areas of Sunamganj. Bangladesh J. Train. Dev. 4(1) : 103-110. [Bangladesh]
21. Ahmed, M.U., **Jahiruddin, M.**, Hoque, M.S., Rahman, M.M. and Abedin, M.J. 1991. Response of wheat (*Triticum aestivum*) to sulphur, zinc and boron in Old Brahmaputra Floodplain soil. Bangladesh J. Crop Sci. 2(2): 91-98. [Bangladesh]
22. **Jahiruddin, M.**, Chambers, B.J., Cresser, M.S. and Livesey, N.T. 1992. Effects of soil properties on the extractions of zinc. Geoderma 52: 199- 208. [Netherlands]
23. **Jahiruddin, M.**, Hoque, M.S., Haque, A.K.M.M. and Roy, P.K. 1992. Influence of boron, copper and molybdenum on grain formation in wheat. Crop Res. 5 (1): 35-42. [India]
24. **Jahiruddin, M.** 1992. Adsorption of zinc by soil and its constituents. Thai. J. Agric. Sci. 25: 357-370. [Thailand]
25. Mondal, M.H.R., **Jahiruddin, M.**, Rahman, M.M. and Hashem, M.A. 1991. An investigation on nutrient requirements for BR-11 rice in Old Brahmaputra Floodplain soil. Bangladesh J. Crop Sci. 2(2): 23-30. [Bangladesh]
26. **Jahiruddin, M.** and Cresser, M.S. 1993. A study of the effect of rhizosphere on the availability of N, P, K, Zn, Cu, Fe and Mn in soil. J. Indian Soc. Soil Sci. 41(3): 486-490. [India]
27. Rahman, M.M., Hossain, S.M.A., Islam, N., **Jahiruddin, M.** and Salam, M.U. 1993. Effect of sowing date and boron fertilizer on the yield and oil content of mustard and rapeseed. Bangladesh J. Agron. 5(1&2) : 73-78. [Bangladesh]

28. Rahman, A., Ali, M.I., **Jahiruddin, M.** and Mian, M.H. 1993. Response of two mustard mutants to added sulphur and boron in Old Brahmaputra Floodplain soil. Bangladesh J. Nucl. Agric. 9: 15-28. [Bangladesh]
29. Hossain, M.M., Ahmed, S. and **Jahiruddin, M.** 1993. Fractions of native zinc in some soils of Bangladesh. Bangladesh J. Nucl. Agric. 9: 73-84. [Bangladesh]
30. Hoque, M.S. and **Jahiruddin, M.** 1994. Effects of single and multiple applications of sulphur and zinc in a continuous rice cropping pattern. Indian J. Agric. Res. 28(1): 9-14. [India]
31. Akhter, S., Ali, M.I., **Jahiruddin, M.**, Ahmed, S. and Rahman, L. 1994. Main and interaction effects of sulphur and zinc on rice. Crop Res.7(1): 1-7. [India]
32. Solaiman, M.Z., Bhuiya, Z.H., Hoque, M.S. and **Jahiruddin, M.** 1994. Effect of *Azolla* and urea on yield of rice. Indian J. Agric. Res. 28(3): 149-153. [India]
33. Abedin, M.J., **Jahiruddin, M.**, Hoque, M.S., Islam, M.R. and Ahmed, M.U. 1994. Application of boron for improving grain yield of wheat. Prog. Agric. 5(1): 75-79. [Bangladesh]
34. **Jahiruddin, M.**, Islam, M.N., Hashem, M.A. and Islam, M.R. 1994. Influence of sulphur, zinc and boron on yield and nutrient uptake of BR2 rice. Prog. Agric., 5(1): 61-67. [Bangladesh]
35. Hossain, M.B., **Jahiruddin, M.** and Hoque, M.S. 1994. Response of wheat (*Triticum aestivum*) to sulphur, zinc, boron and molybdenum. Prog. Agric. 5(2): 31-37. [Bangladesh]
36. Hossain, M.A., **Jahiruddin, M.**, Hoque, M.S. and Ali, M.I. 1994. Effect of genotype and sowing date on the response to boron in wheat. Pak. J. Sci. Ind. Res. 37(10): 432-435. [Pakistan]
37. Rahman, G.K.M.M., **Jahiruddin, M.**, Ali, M.I., Hoque, M.S. and Haque, M.Q. 1995. Effect of soil properties on the extraction of phosphorus and its critical limit for rice. J. Indian Soc. Soil Sci. 43(1): 67-71. [India]
38. **Jahiruddin, M.**, Ali, M.S., Hossain, M.A., Ahmed, M.U. and Hoque, M.M. 1995. Effect of boron on grain set, yield and some other parameters of wheat cultivars. Bangladesh J. Agric. Sci. 22(1): 179-184. [Bangladesh]
39. Hossain, I., Yahia, G. and **Jahiruddin, M.** 1995. Effect of copper, boron and molybdenum on leaf spot disease and grain set of wheat. Bangladesh J. Train. Dev. 8(1&2):77-81. [Bangladesh]
40. Pervin, S., Hoque, M.S., **Jahiruddin, M.** and Mian, M.H. 1995. The use of *Sesbania* as an alternative source of urea-N for BR11 rice. Pak. J. Sci. Ind. Res. 38(2): 85-87. [Pakistan]

41. Hossain, M.A., **Jahiruddin, M.** and Khatun, F. 1995. Response of wheat and mustard to manganese, zinc and boron in calcareous soil. *Bangladesh J. Crop Sci.* 6(1&2): 51-56. [Bangladesh]
42. Islam, M.R., Karim, M.R., Riasat, T.M. and **Jahiruddin, M.** 1996. Growth and yield of BR11 rice under different levels of sulphur, zinc and boron fertility at two locations of Bangladesh. *Thai. J. Agric. Sci.* 29: 37-42. [Thailand]
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44. Khan, M.A., **Jahiruddin, M.** and Bodruzzaman, M. 1996. Response of wheat to boron in relation to different varieties and sowing dates. *Bangladesh J. Agril. Sci.* 23(2): 27-32. [Bangladesh]
45. Kundu, S., Hossain, I. and **Jahiruddin, M.** 1996. Effect of boron on leaf blotch (*Bipolaris sorokiniana*) and grain yield of wheat cv. Kanchan. *Progress. Agric.* 7(2): 171-175. [Bangladesh]
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50. Hossain, M.B., Islam, M.R., Rahman, M.M. and **Jahiruddin, M.** 1997. Effect of integrated nutrient management on yield and yield components of BR11 rice. *Prog. Agric.* 8(1&2): 83-86. [Bangladesh]
51. Islam, M.S., Ali, M.I., **Jahiruddin, M.**, Haque, M.Q. and Rahman, M.H. 1997. Potassium release and depletion behaviour in several soils of Bangladesh. *Bangladesh J. Nucl. Agric.* 13: 27-35. [Bangladesh]
52. Bodruzzaman, M., **Jahiruddin, M.**, Hoque, M.S. and Khan, M.A. 1998. Integrated use of fertilizers and cowdung in a wheat-rice cropping pattern. *Bangladesh J. Agril. Sci.* 25(2): 247-252. [Bangladesh]

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58. Pervin, S., Hoque, M.S., **Jahiruddin, M.** and Mian, M.H. 1999. Effects of Urea, Azolla and Sesbania incorporation on concentration and uptake of N, P, K and S in rice (*Oryza sativa*). *Pak. J. Sci. Ind. Res.* 42(3): 145-149. [Pakistan]
59. Islam, N., Islam, M.N., **Jahiruddin, M.** and Kader, M.A. 1999. Effects of integrated use of fertilizer-N and dung manure on economic benefit and soil fertility in a mustard-aus rice cropping sequence. *Bangladesh J. Agric. Sci.* 26(2): 171-176. [Bangladesh]
60. Aziz, M.A., Islam, M.R. and **Jahiruddin, M.** 1999. Field verification of national fertilizer recommendation for T. aman rice in Old Brahmaputra Floodplain soil. *Progress. Agric.* 10(1&2): 203-207. [Bangladesh]
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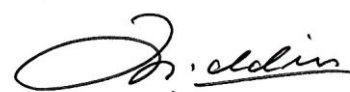


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