



The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

aesearch@umn.edu

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.

Journal of the Bangladesh Agricultural University

Guidelines for contributors

'Journal of the Bangladesh Agricultural University Research' is a bi-annual journal published in June and December by Bangladesh Agricultural University Research System (BAURES). Research papers, review articles and short communications in all fields of Agricultural Sciences are published in this journal.

Editorial Board: Editorial Board is comprised of nine members. The Director and the Associate Director of BAURES are the ex-officio Chief Editor and Executive Editor, respectively. Two members of the editorial board are from the faculty of Agriculture and one member from each of the other five faculties. The term of the Editorial Board is for two years.

Editorial policy: All manuscripts are critically reviewed by the competent reviewers. Papers needing revision are returned to the author and the authors are required to return the manuscripts after necessary correction within prescribed time.

Instruction for contributors: The manuscript should be an original one, not previously published or under consideration for publication in any form in any journal.

Language: The manuscript must be written in English.

Length of article: Research papers should not be of more than 4000 words, while review articles may cover up to 6000 words. In case of short communications, the limit is 1500 words.

A research paper should contain the following elements:

Title: Title should be clear and concise reflecting the objective and content of paper. Title should be followed by name(s) and address(es) of the author(s) and a short running title.

Keywords: Should not exceed 5 words/ phrases.

Abstract: Should be a concise summary of the article not exceeding 200 words.

Text: Text of the article should be in following order: Title, Abstract, Keywords, Introduction, Material and Methods, Results and Discussion, Acknowledgement (if any) and References. Manuscript should be computer typed having double space with a font size of 12 on one side of A4 size white paper. Three copies of printed materials along with one copy in a diskette should be submitted. Main heading should be in bold face with left margin. The position of Tables and Figures in the text should be indicated clearly.

Tables and Figures: Tables and Figures should be placed on separate sheets. On the backside of Figures name of the first author and Figure number should be mentioned. Photographs should be black and white and of good quality.

References: References in the text should follow the author-date system, e.g., (author, date) for one author; (author and author, date) for two authors; (first author *et al.*, date) for more than two authors. The reference list should be given alphabetically in the following style:

Bhattacharya, K.R. 1985. Parboiling of rice. In B.O. Juliano, ed. *Rice chemistry and technology*, 2nd ed, p. 289-348. St Paul, MN, USA, Am. Assoc. Cereal Chem.

De Datta, S.K. 1981. *Principles and practices of rice production*. New York, J. Wiley and Sons. 618pp.

Deinum, B. 1966. Influence of some climatological factors on the chemical composition and feeding value of herbage. *Proceedings of the 10th International Grassland Congress*, Helsinki, 415-418.

Feng, H. and Tang, J. 1998. Microwave finish drying of diced apples in a spouted bed. *J. Food Sci.*, 63(4): 679-683.

Handling charge: For publication of each accepted full length paper and short communication the author(s) shall have to pay : **Full Paper** a) For Principal Investigators/ Investigators of BAURES Research Projects Tk. 500/- per research article, b) For others Tk. 1000/- per research article. **Short communication** a) For Principal Investigators/Investigators of BAURES Research Projects Tk. 300/- per research article, b) For others Tk. 500/- per research article. In addition Contributors shall have to pay an amount of Tk. 300/- during submission of the paper for the purpose of reviewing the same. Editorial board, if necessary, may charge extra cost for including photographs.

Proof and Reprint: Proofs will not be sent to the author(s). Author(s) are requested to take proper care during correcting the manuscripts on the basis of the comments of reviewer. The contributors will be given 10 copies of reprints free of cost.



Contents

Crop Science

- 1 Effects of ash and longitudinal set cutting on the yield and economics of off-season onion— M. F. Mondal and M. A. Hoque 197
- 2 Salinity tolerance of three mustard/rapeseed cultivars— M.N. Uddin, M. Tariqul Islam and M.A. Karim 203
- 3 Effect of salinity on some morpho-physiological characters and yield in three sesame cultivars— M.A. Ali, M. Tariqul Islam and M. Tazul Islam 209
- 4 Effect of nitrogen and boron on the yield of wheat cv. Kanchan— M.M. Khan, A.K. Hasan, M.H. Rashid, and F. Ahmed 215
- 5 Effect of planting density of soybean grown in association with Eucalyptus tree on its yield and yield contributing characters under the cropland Agroforestry system— F. Ahmed, G.M.M. Rahman and A.K. Hasan 221
- 6 Genetic parameters, inter-relationship and path-coefficient analysis in soybean (*Glycine max* (L.) Merrill)— A.K. Datta, M.A. Hossain and L. Rahman 225
- 7 Cropping systems dynamics in greater Kushtia— M.H. Rashid, A.H. Khan and M.M. Alam 231
- 8 Effect of IAA on yield and yield contributing characters of aman rice under irrigated and moisture stress conditions— A.H.M. Razzaque and M.S. Rahman 239

Livestock

- 9 Comparative carcass characteristics of ruminant species in Bangladesh— S.M.A. Abedin, M.R. Alam and M.O. Faruque 243
- 10 Effect of *Rhizobium* inoculum and N-fertilizer on bio-mass production of cowpea (*Vigna unguiculata*) forage at different stages of maturity— M.N. Sultana, M.J. Khan, Z.H. Khandaker and M.M. Uddin 249
- 11 Growth performance of broiler under different management systems— R. Khatun, M.S. Islam, J. Alam and M.M. Rahman 257
- 12 Production performance of different exotic and native crossbreds chickens— K.N. Monira, M.N. Islam and M.S. Uddin 261
- 13 Problem confrontation of the smallholder farmers in managing goat— H.M.M. Ahmed and M.A. Hossain 265
- 14 *In vitro* anthelmintic effects of some indigenous plants against gastrointestinal nematodes of goats— M. Rahman, M. Shahiduzzaman, M.K. Islam, M.M.H. Mondal 271
- 15 Antidiabetic effects of *Azadirachta indica*, *Trigonella foenum-graecum*, *Olea europea* and Glibenclamide in experimentally diabetic induced rat— M.E. Choudhury, M. Mostofa and M.A. Awal 277
- 16 Helminth parasites in indigenous ducks: Seasonal dynamics and effects on production performance— Anisuzzaman, M.A. Alim, M.H. Rahman and M.M.H. Mondal 283

Fisheries

- 17 Evaluation of egg custard for freshwater prawn, *Macro-brachium rosenbergii* (de Man) larvae culture— M. Lokman Ali 291
- 18 Taxonomic comparison of the populations of climbing perch, *Anabas testudineus* (Bloch) in Bangladesh— M.M. Hassan, M.G.Q. Khan and M.A. Hasanat 297
- 19 Growth performance of *Spirulina platensis* in three different concentrations of banana leaf ash with added jackfruit seed powder and urea— M.A. Toyub, M.M. Rahman, M.I. Miah and M.A.B. Habib 303
- 20 Growth performance and chemical composition of *Scenedesmus obliquus* in various concentrations of fertilizer factory effluent media— M.A. Toyub, S.R. Ahmed, M.I. Miah and M.A.B. Habib 309

Agricultural Engineering

- 21 Diffusion coefficients for predicting barley re-wetting behavior— M.A. Basunia, T. Abe and M. Rostom Ali 317
- 22 Simulation of solar radiation from temperature at Mymensingh, Bangladesh— M.H. Ali, A.K.M. Adham and S.H. Bhuiya 327
- 23 Effect of water stress and electrical conductivity of nutrient solution on the growth of rice— K.P. Halder and S.W. Burrage 333
- 24 Water quality index and human health risk: a case study on Surma river— Z. Muyen, M. Mamun, M.J.B. Alam and Molla R. Islam 343
- 25 Faster addition algorithm based on generalized earliest first (GEF) technique— M.R. Hassan, M.M. Rahman, M.S. Hossain and M.M.A. Hashem 349

Economics and Rural Sociology

- 26 Economics of BINA-6 rice production in some selected areas of Bangladesh— M.R.U. Mian and M. Al-Imran 357
- 27 Production and consumption behaviour of poultry-meat and egg in rural and urban areas of Bangladesh— S.M.A. Rahman, M.R. Islam, M.A. Sayeed, F. Yasmin, M.S.K. Sarker and M.M. Rahman 365
- 28 Poverty alleviation through livestock and poultry raising in selected areas of Mymensingh district— M.W. Rahman, R.N. Ali and M.S. Kabir 375
- 29 Forecasting fish production in Bangladesh using ARIMA model— M.E. Haque, M.I. Hossain and K.M.M. Rahman 381