



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

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.*

Journal of the Bangladesh Agricultural University

'Journal of the Bangladesh Agricultural University Research' is a half yearly 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.

Instruction for contributors: The manuscript should be an original one, not previously published or under consideration for publication in any form in any journal. The author(s) are requested to consult the latest issue of the Journal before submission of their article.

Language: The manuscript must be written in English.

Length of article: Research papers should not be more than 4000 words, while review articles may cover up to 6000 words. In case of short communication, the limit is 1500 words and there should be no sub-title except abstract and references.

A research paper should contain the following:

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

Author: The number of author of an article should not exceed four. However, in case of research conducted through foreign fund, two more foreign authors can be allowed along with maximum limit of local author.

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 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. Name (s) and address of the maximum four Author(s) should only be provided on a separate page along with the article.

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 sent to the author(s). Author(s) are requested to take care during correcting the manuscript on the basis of the comments of the reviewers/overviewer and return to the Executive Editor within three days of receipt. The contributors will be supplied with a copy of the journal along with 10 copies of reprints free of cost.



Contents

Crop Science

1	Morphomolecular genetic study of selected groundnut genotypes with microsatellite marker- M.S. Rahman and M.S. Alam	1
2	Effect of irrigation and phosphorus fertilization on seed yield and yield components of summer mungbean- M.U.S. Khatun, M.A.R. Sarkar, T. Sultana and U. Habiba	11
3	Genetic diversity analysis of groundnut genotypes by using microsatellite markers- M.S. Islam, M. Shah-E-Alam, M.M. Islam and M.N. Islam	17
4	Influence of organic and inorganic fertilizers on mineral nutrition of Stevia in different types of soil- S. Khanom, M.A.H. Chowdhury, M.T. Islam and B.K. Saha	27

Livestock

5	Avian leukosis in chickens: retrospective histopathology and antibody prevalence in some selected layer farms- A. Islam, E.H. Chowdhury, S.S. Saha and M.R. Islam	33
6	Effects of feeding urea molasses block on the productive and reproductive performance of Black Bengal Doe- M.M. Sarkar, M.M. Hossain, M.M. Rahman and S.M.E. Rahman	39
7	Quality assessment of sweetened condensed milk available in Bangladesh- M.R. Hassan, M. Asaduzzaman, A. Wadud and S. Sultana	47
8	Pathological investigation of campylobacteriosis in female buffaloes- F. Ahmedullah, M. Akbor, M.G. Haider and M.A.H.N.A. Khan	53
9	Comparative efficacy of pineapple leaves and two patent anthelmintics (Albendazole and Ivermectin) against Ascariasis in indigenous chicken- M.M. Rahman, M. Mostofa, M.A. Hossain, N.I. Smrity and Z. Yasmin	59
10	Semen characteristics of black bengal buck in relation to age, body weight and scrotal circumference- M.R. Islam, S. Afroz, M.A.M.Y. Khandoker and Q.S. Akter	65
11	Efficacy of aqueous extract of <i>Stevia rebaudiana</i> bertonii leaves in rats with streptozotocin induced diabetes mellitus- M.B. Rashed, M. Mostofa, M.A. Hossain and F. Yasmin	73
12	Prevalence and Pathology of haemoprotozoan infection in chickens- A.R. Dey, N. Begum, Anisuzzaman and D. Chakraborty	79
13	Effects of neem (<i>Azadirachta indica</i>) leaves against gastrointestinal nematodes in cattle- M.R. Amin, M. Mostofa M.A. Awal and M.A. Hossain	87
14	Seroepidemiology and pathology of mycoplasmosis and salmonellosis in chickens of some model breeder poultry farms- M.M. Rahman, M.M. Islam, M.M. Rahman and E.H. Chowdhury	93

Fisheries

15	Effects of dietary protein on growth, food consumption and body composition of Nile tilapia (<i>Oreochromis niloticus</i> L.)- M.S. Ali, S.M. Stead and D.F. Houlihan	99
16	Feeding in every alternate day is a sustainable technique for Thai pangas (<i>Pangasius hypophthalmus</i>) culture- A.K.M.R. Amin and M.A.R. Hossain	109
17	Microalgal ecology in experimental carp - pangas polyculture ponds- M.M. Hossain, S. Khan, M.R.U. Sarker and M.M. Haque	119
18	Efficacy of medicinal plants on microbial fish pathogens- M.B.R. Chowdhury and T. Rahman	131
19	Experimental infection of shing <i>Heteropneustes fossilis</i> with <i>Aeromonas hydrophila</i> - K. Mostafa, M.T. Islam, M.A. Sabur and M. Mamnur Rashid	139
20	Effects of Iso-nutrient fertilization on hydrological conditions and biological productivity of six earthen ponds in BAU campus- M. Begum, M.J. Alam, M.A. Wahab and M.S. Haq	145
21	Production of cross koi through crossing between local and Thai koi (<i>Anabas testudineus</i> , Bloch)- A.K.S. Ahammad, M.M.R. Khan M.A. Hossain and M.E. Islam	153
22	Some aspects of the reproductive biology of <i>Rita rita</i> (Hamilton)- M.R. Amin, M.F.A. Mollah, S. Nasrin and M.A. Sayeed	159

Economics and Rural Sociology

23	Success factors of BKB and BRDB poverty reduction poultry development program - A case study- M.I.A. Mia and J.I. Peter	165
24	Impact assessment of integrated farming at farming system research site- M.A. Hossain, M.S. Rahman, M.R. Hasan, Q.M. Alam and M. Akhtar Hossain	175
25	Impact of private broiler farming on rural employment and income generation in Kishoreganj district- M.I. Hossain and M.A. Akbar	181
26	Management and employment potential of small-scale dairy farming in Mymensingh- M.A. Quddus and M.A. Islam	189
27	Exposure, evaluation and final result of the information regarding the selection and use of pesticides among the vegetable growers and the role of public sector extension workers: An empirical study- P. Ray and S. Chowdhury	199
28	Supply chain analysis of wholesale milk market in selected areas of Dhaka district- A.K. Mandal, A.H.M.S Islam and S.K Raha	205
29	Factors affecting the technical efficiency of Boro rice production in Bangladesh a Cobb-Douglas stochastic frontier analysis- M.M.H. Sikdar, M.A. Alam and M.I. Hossain	215