

BANGLADESH JOURNAL OF SUGARCANE

GUIDE FOR AUTHORS

- The Bangladesh Journal of Sugarcane annually publishes articles on sugarcane agriculture and sugar processing.
- Articles must be original reports of research, not previously or simultaneously published.
- The manuscripts should be written in English and typed in double space in one side of 11" x 8½" size bond paper with good margin in all sides. The text, quotation, table, illustration and literature citation should be double spaced.
- Numerical data should be presented in the form of either tables or graphs, but not in both. Tables and figures with their caption should be numbered in Arabic and submitted in separate sheet. Line drawings should be 3 times larger than they are to appear in the journal.
- Photographs (120 mm x 170 mm) should be in glossy prints with good dark and light contrast with appropriate caption. Diagram, drawing should be drawn with durable ink on thick white drawing paper.
- The article should have a concise but meaningful title. The author(s) name and place of research should follow the title. An informative ABSTRACT, not more than 150 words should precede the introduction of the paper. The paper should then be arranged in the following order: (I) INTRODUCTION (II) MATERIALS AND METHODS (III) RESULTS AND DISCUSSION (IV) ACKNOWLEDGEMENT(S) (if any) and (V) REFERENCE(S).
- The abbreviations mentioned hereunder may be used in the tables/graphs without further definition: active ingredient (a.i.), boiling point (b.p.), centimetre(s) (cm), commercial cane sugar (C.C.S.), concentration (concn.), concentration required to kill 50% of test organism (LC₅₀), day(s) (d), days after harvesting (DAH), days after treatment (DAT), days after plantation (DAP), dry matter (d.m.), Duncan's New Multiple Range test (DNMR test), emulsifiable concentrate (EC), gram (g), growth stage (GS), hour (h), kilogram(s) (kg), least significant difference (LSD), litre(s) (litre), metre(s) (m), metric ton(s) (MT), Millable cane(s) (m.c.), milligram(s) (mg), minute(time) (min), melting point (m.p.), page (p.), pages (pp.), parts per million (ppm), percentage (%), post-emergence (post-em), pre-emergence (pre-em), probability (p), quantity (qty), relative humidity (rh), second(time unit) (sec.), standard error (S.E.), standard error of means(s) (SEM.), soluble powder (s.p.), species(singular) (sp.), species(plural), (spp), square metre (m²), subspecies (ssp), temperature (temp.), tons sugar per hectare (TSH), variety (var.), volume (vol.), weight (wt.), wettable powder (w.p.)
- References should be cited in the text with the year of publication in parenthesis e.g. Rostrom (1974), (Rostrom, 1974), MacColl, 1976, Mitchel and Beardsley, *et. al* (1978). In the list of references, the sequence of references should be arranged alphabetically with the last name of the author(s), followed by initials (e.g. Beardsley, N.W. 1978). The references should include names of all authors, date of publication, complete title, journal name, volume number and page numbers. The title journal should be abbreviated according to the style of chemical abstract.
- References from books should be cited as follows:
Steel, R.G.D. and Torrie, J.H. 1960. Principles and procedures of statistics. McGrawhill Book Company, Inc. London. 481p.
- References from an edited book should be cited as follows:
Bennett, F.D. 1969. Tachinid flies as biological control agents for sugarcane moth borers. In Pests of sugarcane. J.R. Williams, J.R. Metcalfe, R.W. Mungomery and R. Mathes (eds). Elsevier Publishing Company, Amsterdam. pp.(Page range).
- References from Annual Reports should be cited as follows:
SRTI Annual Report, 1983. Sugarcane Research and Training Institute, Ishurdi, Pabna, Bangladesh. Annual Report 1982. pp. 8-11 (page range of the topic).
- Other reports or memelographs without author may be cited as "Anonymous" with year of publication, address of publisher and last page of the report.
- Authors would receive 25 copies of reprints free of cost.
- The manuscripts should be submitted in duplicate to THE EDITOR, BANGLADESH JOURNAL OF SUGARCANE, BANGLADESH SUGARCANE RESEARCH INSTITUTE, ISHURDI, PABNA, BANGLADESH.
- To follow the style of the latest issue.

CONTENTS

(Continued)

Prevalence of white leaf disease of sugarcane in Bangladesh – M.I.Talukder and M.S.Alam	91
Effects of drought stress on some physiological parameters of sugarcane – S.Ali, M.A.S.Miah, M.A.H.Khan and M.M.Rahman	98
Red rot incidence of sugarcane in Bangladesh – S.Rahman, M.S.Alam, O.I.Joarder and S.Alam	106
Effects of different irrigation methods and interplant spacings on sugarcane production – M.A.Hossain, A.H.M.D.Hossain, M.A.Majid, M.S.U. Talukder and A.S.M. Aman Ullah	115
Isd 28-A high yielding and mid maturing variety of sugarcane – M.A.Mannan, Sk.A.Mannan, B.P.Podder and A.Awal	122
Sugarcane production and the quality of gur as influenced by nitrogen – M.A. Majid, M.A.Jabber, F.Alam, S.M.Boktiar and M.J.Islam	126
Response of sugarcane intercropped with potato at various irrigation levels – M.A.B.Siddique, K.M.Hassanuzzaman, A.H.M.D.Hossain, S.M.I.Hossain and M.A.Hossain	133
Efficacy of some insecticides against white grubs of sugarcane – M.Abdullah, M.M.Biswas, R.Kundu and M.A.Alam	138
Effects of time and rates of nitrogen fertilizer on rainfed sugarcane production in the southern Guinea Savanna zone of Nigeria – S.S.Afolabi	141
Importance of organic matter content in upland soils of Bangladesh for sustainable sugarcane production -A review – M.J.Islam	149
Development of a hand bud chip cutter – S.M.I.Hossain, S.U.K.Eusufzai and M.A.B.Siddique	156
Maturity behaviour and variation in brix along sugarcane stalklengths – S.S.Afolabi	159

CONTENTS

Effects of smut disease on some yield component of sugarcane – M.S.Rahman, S.Rahman, M.B.Meah and M.M.Hossain	1
Field performance of spaced transplanting technique of sugarcane cultivation in three northern districts of Bangladesh – S.K.Pal, N.U.Khan, M.A.B.Sarker, S.Khatun and M.A.Islam	7
Effects of water strees on growth and biomass yield of five sugarcane genotypes – A.Abayomi and O.J.Lawai	12
Comparative analysis of information reception by the farmers on selected practices of sugarcane – M.H.Rashid, M.M.Huque and M.R.Karim	24
Effects of magnesium, zinc and organic manures on sugarcane – S.C.Saha, M.M.Uddin and S.R.Ghosh	30
Assessment of sugarcane diseases and pests in ten northern states and the federal capital territory of Nigeria – A.C.Wada, O.A.Fadimi and S.M.Misari	37
Effects of smut on juice quality of sugarcane – M.S.Rahman, S.Rahman, M.B.Meah and M.M.Hossain	46
Potash fertilization on sugarcane as affected by irrigation – F.Alam, M.A.Majid and M.J.Islam	50
Comparative performance of some recommended herbicides for weed control and increasing yield of sugarcane – O.O.Oworu	53
Comparative performance of different planting and transplanting techniques of sugarcane under irrigated and rainfed conditions – N.U.Khan, S.K.Pal and A.H.M.D.Hossain	61
<i>In vitro</i> germination of pollen grains and growth of pollen tubes in two varieties of sugarcane – O.O.Oworu	65
Fertilizer management for sugarcane ratooning – M.A.Majid and F.Alam	75
Effects of earthing - up and tying on the yield of cane and sugar – M.L.Kabir, M.A. Matin, M.K.Rahman, M.J.Alam and A.H.M.D.Hossain	80
Selection indices in sugarcane breeding – Sk.A.Mannan, M.I.Zuberi, M.N.Amin and A.Awal	87

(Continued)