



ISSN 1012-9279 (Print)
ISSN 2412-7558 (Online)

Bangladesh Journal of Plant Pathology

Volume 31, No. 1&2, 2015

CONTENT

- | | | |
|----|---|--|
| 1 | Blight of two species of marigold (<i>Tagetes</i>) caused by <i>Aspergillus fumigatus</i> Fresenius. | K. Mahfuza Aktar and
Shamim Shamsi |
| 7 | Management of cauliflower seedling disease (<i>Fusarium oxysporum</i>) with <i>Trichoderma harzianum</i> base compost | M. I. Faruk and M. L. Rahman. |
| 13 | Efficacy of substrates used to formulate <i>Trichoderma harzianum</i> based bio-fungicide to control foot and root rot disease (<i>Sclerotium rolfsii</i>) of cabbage | M. I. Faruk and M. L. Rahman |
| 21 | Chemical control of soft rot of vegetables caused by <i>Erwinia carotovora</i> | A.A. Khan, T. Akter and I. H. Mian. |
| 27 | Mycoflora associated with lemon (<i>Citrus lemon</i>) fruits in storage | Shamim Shamsi, Najmun Naher and
Trisha Saha |
| 31 | Seed treatment and foliar spray with fungicides to control seedling diseases and cercospora leaf spot of mungbean | A. A. Khan, . M. Hossain and
I. H. Mian |
| 39 | Identification of garlic leaf blight: First record in Bangladesh | M. A. Wadud, T. K. Dey, M. R.
Humauan and B. K. Gowsami |

Bangladesh Journal of Plant Pathology

(Bangladesh J. Plant Pathol.)

Research Journal of Bangladesh Phytopathological Society

Vol. 31

No. 1&2

2015

EDITORIAL BOARD

Dr. Hamizuddin Ahmed
Chief Editor

Dr. Md. Lutfur Rahman
Executive Editor

Prof. Dr. M.A. Wadud Mian	Member
Prof. Dr. M. Ashrafuzzaman Salim	Member
Prof. Dr. M. A. Mannan Akanda	Member
Prof. Dr. M. A. Khair	Member
Prof. Dr. M. K. Alam Bhuiyan	Member
Dr. M.A. Bakr	Member
Dr. Tapan Kumar Dey	Member

Address for correspondence :

Executive Editor

Bangladesh Journal of Plant Pathology

Department of Plant Pathology

Bangabandhu Sheikh Mujibur Rahman Agricultural

University, Gazipur-1706, Bangladesh

Price of each volume:

	<i>Bangladesh</i>	<i>overseas</i>
Individual	Tk. 500.00	US\$ 10
Institution	Tk. 1500.00	US\$ 25

2015 Research Journal of Bangladesh Phytopathological Society

Bangladesh Phytopathological Society

Executive Committee (2011-2013)

President	: Dr. M. A. Bari, Director (Retd.), Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh.
Sr. Vice President	: Prof. Dr. M. Ashrafuzzaman Salim, Dept. of Plant Path., BAU, Mymensingh.
Vice President	: Prof. Dr. Md. Khurshed Alam Bhuiyan, Dept. of Plant Path. BSMRAU, Gazipur.
Treasurer	: Dr. M. Anser Ali, Chief Scientific Officer, Plant Pathology Division, BRRI, Gazipur.
General Secretary	: Dr. Tapan Kumar Dey, CSO, Plant Pathology Division, BARI, Gazipur.
Joint Secretary-1	: Prof. Dr. Salahuddin Mahmud Chowdhury, Dept. of Plant Path., SAU, Dhaka.
Joint Secretary-2	: Dr. Md. Sakhawat Hossain, CSO, Plant Pathology Division, BARI, Gazipur.
Office Secretary	: Md. Mynul Islam, SSO, Plant Path. Division, BARI, Gazipur.
Member	: Prof. Dr. Ismail Hossain Mian, Dept. of Plant Path., BSMRAU, Gazipur.
	: Prof. Dr. Abdul Mannan Akanda, Vice Chancellor, EXIM Bank Agril. University, Chapainawabgonj.
	: Prof. Dr. Ismail Hossain, Dept. of Plant Path. BAU, Mymensingh.
	: Dr. Md. Abu Taher Mian, CSO (Retd), Plant Pathology Division, BRRI, Gazipur.
	: Dr. Mohammad Hossain, CSO, Tuber Crop Research Center BARI, Gazipur.
	: Dr. Md. Ibrahim Talukder, CSO, Plant Pathology Division, BSRI, Ishurdi, Pabna.
	: Prof. Dr. Aminuddin Mridha, Department of Botany, Chittagong University, Chittagong
	: Dr. A. Muqit, SSO, Plant Path. Division, BARI, Gazipur.
	: Dr. Mostafa Kamal, PSO, Plant Path. Division, BRRI, Gazipur.
Ex-officio Member	: Prof. Dr. M. A. Wadud Mian, (Retd), BAU, Mymensingh.
	: Dr. M. A. Bakr, Ex-Project Director, Pulses and Oilseeds, BARI, Gazipur.
Distinguished Member	: Prof. Dr. Golam Ali Fakir, Ex-Vice Chancellor, Khulna University, Khulna.
	: Dr. Hamizuddin Ahmed, Ex-Director (Res.), BARI, Gazipur.

INFORMATION FOR CONTRIBUTORS

Membership of the Bangladesh Phytopathological Society is a prerequisite for publishing papers in the Bangladesh Journal of Plant Pathology, or at least one of the authors must be a member of the society. The Editorial board, however, may relax this rule in case of contribution of exceptionally merit and contributor from abroad. Materials accepted for publication must be scientifically sound, suitable for the designated readers and prepared according to the guidelines provided below.

- (1) Subject matters of the papers for publication should fall in the following categories:
 - a. Full length papers: Original research on any branch of plant pathology;
 - b. Review papers: Original research on any branch of plant pathology;
 - c. Phytopathological notes: Accounts of plant pathological techniques, original research or new records of plant diseases or plant pathogens.
- (2) The manuscript should be typed double-space on one side of A4 size good quality paper in 12-point preferably in Times New Roman font. Margins should be 4.0 cm from the left and right, and 2.5 cm from the top and bottom of each page. Submit two copies of the manuscript to the Executive Editor, Bangladesh Journal of Plant Pathology, Plant Pathology Division, Bangladesh Agricultural Research Institute, Gazipur-1701, Bangladesh along with a soft copy of the manuscript in word 97-2003/XP format written in CD.
- (3) A full length paper should be arranged under the section heading: TITLE, ABSTRACT, INTRODUCTION, MATERIALS AND METHODS, RESULTS AND DISCUSSION, ACKNOWLEDGEMENT (if any) and LITERATURE CITED. Phytopathological notes should be sufficiently brief (less than 4 pages) and arranged without section headings of INTRODUCTION, MATERIALS AND METHODS, and RESULTS AND DISCUSSION.
 - a. Title Page-Title page should be independent and contain only Title, author's name and their address. The title should be typed in capital letters and must accurately identify and describe the contents of the manuscript. Scientific name (if any) must be in capital letter and italic. The title should be followed by authors' names. The authors' names should be followed by author's addresses. A person who did not take part in research, analysis of data and writing of the paper and who cannot assume responsibility for the technical content of the paper cannot be considered an author. Include each author's complete mailing address and institutional affiliation in the title page. Indicate the author to whom correspondence should be addressed and the author's e-mail address. Indicate whether the research is a part of a thesis or dissertation.
 - b. Abstract-Start abstract from a separate page. Type the title again on this page but no author's name and address. After the title, type a 150-200 words abstract containing the objectives, very short methodology, important findings of the research and your conclusion.
 - c. Keywords-The keywords and phrases following the Abstract should be alphabetically arranged and should reflect the contents of the paper. Give keywords only in one line.
- (4) The author(s) are responsible to check that all references in the text appear in the section 'LITERATURE CITED' and vice versa. References should come primarily from papers published in professional journals. A small number of abstracts or text book-type references may be included; however, these should not make up the bulk of the references. Personal communication references are permitted, but, again should be kept to a minimum. In text references should be cited by giving the author's name followed by the year without any comma in between.
 - a. For two authors' paper, give both authors' last names.
 - i) Ahmed and Hamid (1995) reported the losses due to late blight of potato.
 - ii) The loss due to late blight of potato has been reported by Ahmed and Hamid (1995).
 - iii) Loss due to late blight of potato has been well documented (Ahmed and Hamid 1995).
 - b. Articles with more than two authors are cited by the first authors last name followed "*et al.* ", and then the year:
 - i) Effect of environmental factors on diseases development is well documented (MacHardy *et al.* 2001) instead of (MacHardy, W.E. Gadoury and Gessler. C. 2001).
 - ii) Disease development was recorded by MacHardy *et al.* (2001). At least 12 diseases of Pulses are in Bangladesh (Ahmed *et al.* 1985) or Ahmed *et al.* (1985) recorded at least 12 diseases of Pulses.
 - c. A string of citations should be separated by coma.
 - i) Effect of environmental factors on pathogens is recorded by many researchers (Rowe and Beute 1975, Sutton 1981, Pinkerton *et al.* 1998, MacHardy *et al.* 2001.)
 - ii) Ahmed and Hamid (1955, 1989), Mian (1985) reported losses due to potato late blight.

2015 Research Journal of Bangladesh Phytopathological Society

- iii) Loss due to late blight was recorded by Ahmed and Hamid (1955,1989) and Main (1985).
- d. When a book, paper, or article has no definite author, cite it as Anon, and year, e.g., (Anon. 1996) (Anon. is the abbreviation for Anonymous).
- e. If you want to refer a paper found in another article, do so as (Driblick 1983 In: Oobleck 1978).
- (5) In the section LITERATURE CITED, references should be listed alphabetically according to the author's name. If the same author (s) are cited for more than one paper having the same order of authors' names, the papers should be listed in chronological sequence by year of publication. Anon. should be listed as 'Anonymos'.
- Journal article with single author e.g- Bisessar, S. 1982. Effect of heavy metals on microorganisms in soil near secondary lead smelter. *Wat Air Soil Poll.* 17:305-308.
 - Journal article with two authors e.g- Sivan, A. and Chet, I. 1993. Integrated control of *Fusarium* crown and root rot of tomato with *Trichoderma harzianum* in combination with methyl bromide or soil solarization. *Crop Prot.* 12:380-386
 - Journal article with multiple authors e.g- Schneider, R. W., Williams, R.J. and Sinclair, J. B. 1976. *Cercospora* leaf spot of cowpea, models for estimating yield loss. *Phytopathology* 66 (5):384-388.
 - Author (s) Unknown or Not Named-If the authorship of a paper or other document is not provided, cite the author using the word Anonymous in the place of the author's name (s) e.g. Anonymous. 2004. Annual internal Review. Bangladesh Rice Research Institute, Joydebpur, Gaziur. pp. 39-41.
 - Book with two authors-Dhingra, P. and Sinclair, A. 1985. Basics plant pathology methods. CRC press. Inc. Boca Raton Florida. pp.13.44 [(pp. 13-44-page means on 13 to 44), p. 13, (p.13 means on page 13), (250 pp means total page of the book)].
 - Book with multiple authors- Huth, J., Brogan, M., Dancik, B., Kommedahl, T., Nadziejka, D., Robinson, P. and W. Swanson. 1994. Scientific format and style: The CBE manual for authors, editors, and publishers. 6thed. Cambridge: Cambridge University Press. 825 pp.
 - Book: authors contributing a specific chapter- Kuret, J. and Murad. F. 1990. Adenohypophyseal hormones and related substances. In: Gilman, A., Rall, T., Nies, A., Taylor, P., edited. "The pharmacological basis of therapeutics". 8thed. New York: Pergamon. pp.1334-60.
- (6) Table and graphs must be typed and drawn respectively on separate sheet. Same data must not be given in both tables and graphs. Data based on which a graph is created should be enclosed on separate sheet.
- (7) All quantitative data must be in metric units. Abbreviations should be as per "Style Manual for Biological editors".
- (8) Picture should be submitted on separate file in JPEG format.
- (9) Manuscript not prepared following the style of the journal will not be accepted.
- (10) For more information, contact the Executive Editor (Email: lutfur5560@yahoo.com) or consult its latest issue.
- (11) Page charges for publication:

Paper Type	Black and white pictures, figures, etc	Coloured pictures, figures, etc
	For Bangladeshi	Tk. 1500.00
a. Full paper having 4 pages	TK 1000.00 per article	TK. 2000.00/article
b. Full paper having 5-8 pages	TK 2000.00 per article	TK. 3000.00/article
c. Phytopathological Note(maximum 4 pages)	TK 750.00 per article	TK 1500.00 per article
	For Foreigners	
d. Full paper having 4 pages	US\$ 20.00 per article	US\$ 20.00 per article
e. Full paper having 5-8 pages	US\$ 5.00 per additional 2 pages	US\$ 40.00 per article
f. Phytopathological Note(maximum 4 pages)	US\$ 10.00 per article	US\$ 20.00 per article