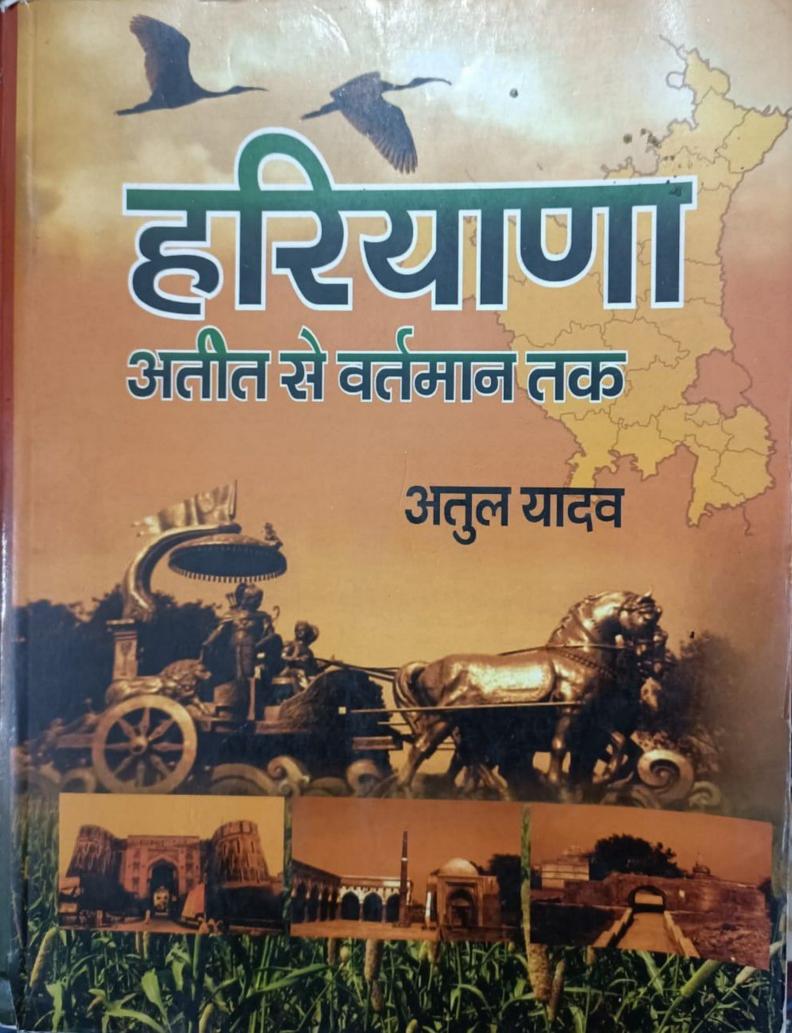
Session 2016-17

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

SI.	Name of the teacher	Title of the book/chapter s published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. Atul Yadav (History)	हरियाणा अतीत से वर्तमान तक					2017	978-93-84783- 20-4	Government P.G College, Ambala Cantt	Nirmal Publishing House, Kurukshetra



निर्मल पब्लिशिंग हाउस

कुरुक्षेत्र युनिवर्सिटी (तीसरे गेट के सामने) कुरुक्षेत्र - 136 119 (हरियाणा)

फोन: 09996690938, 01744-238938

ई-मेल: nirmalpublishinghouse@gmail.com

हरियाणा : अतीत से वर्तमान तक

© लेखक, 2017

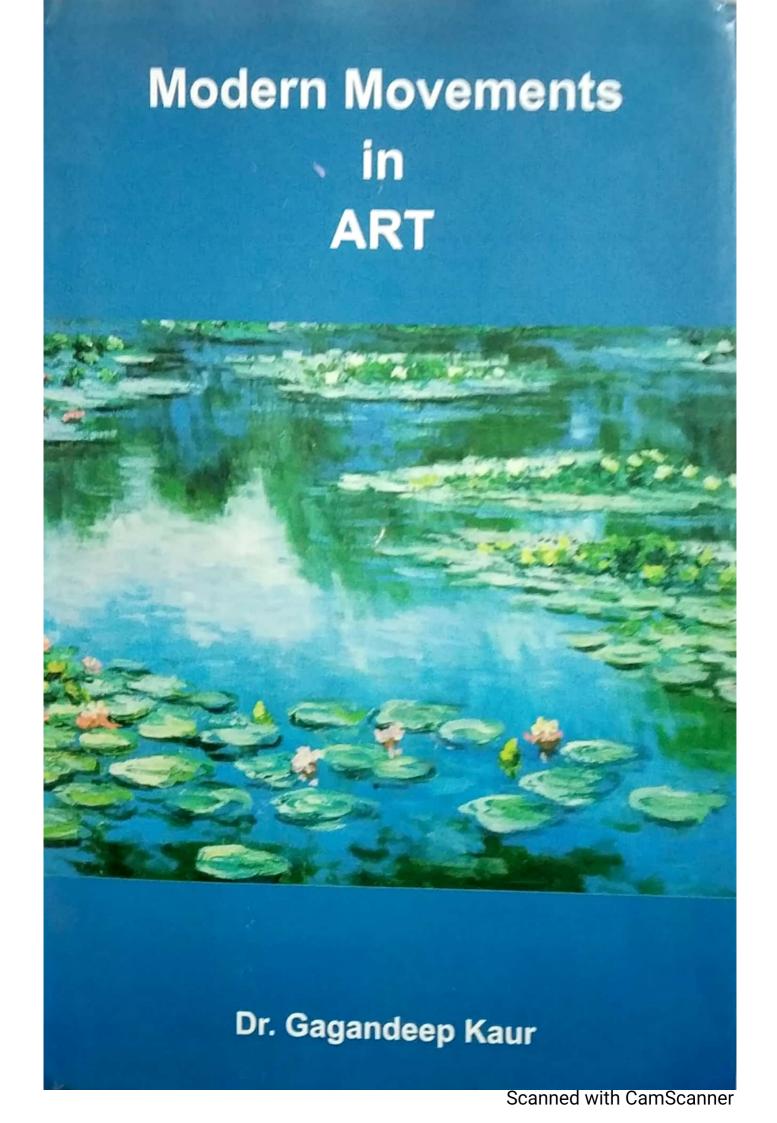
सर्वाधिकार सुरक्षित। इस प्रकाशन के किसी भी अंश का पुनः प्रस्तुतीकरण या किसी भी रूप में प्रतिलिपिकरण (भेदे के या किसी भी माध्यम में ग्राफिक्स के रूप में संग्रहण, इलेक्ट्रॉनिक या यांत्रिकीकरण द्वारा और जहां कहीं या अस्वयों के नहीं या किसी अन्य प्रकार के प्रसंगवश इस प्रकाशन का उपयोग भी) कॉपीराइट के स्वामित्व बारक के लिखित अन्वी के बिना नहीं किया जा सकता है। किसी भी प्रकार से इसके भंग होने या अनुमित न लेने की स्थिति में बिना किसी सूचना के उन पर कानूनी कार्यवाही की जाएगी।

ISBN: 978-93-84783-20-4

अक्षरसंयोजक : आदिल प्रिंटोग्राफिक्स, दिल्ली-110 092

मुद्रक : ग्लोरियस प्रिंटर्स, दिल्ली

Name of Title of the SI. the book/chapter Title of the No. teacher s published paper conference conference	National / Year of number of the International publication proceeding publication publisher
2 Dr. Modern Gagandeep Movements in Kaur (Fine Arts) Arts	2016 978-81-87883- Government IBA 56-2 P.G College, Publications Ambala Ambala Cantt Cantt



ISBN: 978-81-87883-56-2

Modern Movements in Art

By: Dr. Gagandeep Kaur

2016

Publisher First Edition

6269-P, Nicholson Road, **IBA Publications**

Ambala Cantt - 133 001 (INDIA)

ibapublications@hotmail.com

Vishal Kaushik Printers, Delhi

Type Setting Himanshu Laser System

Rs. 600.00

Price

Printers

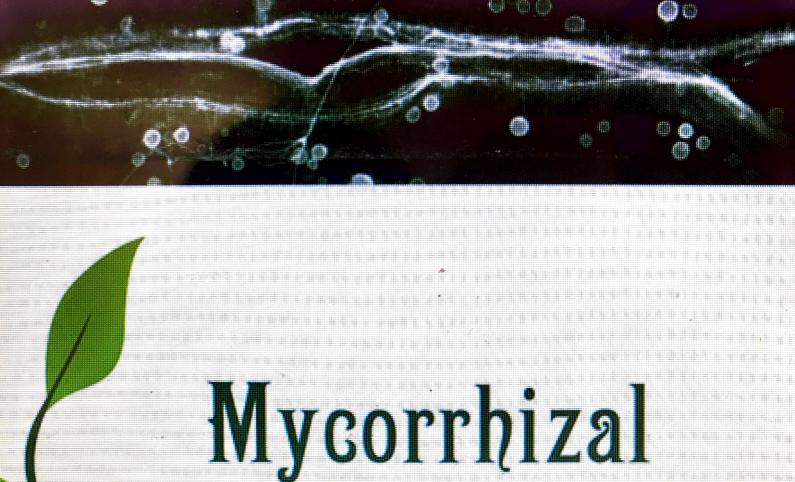
Dr. Gagandeep Kaur

recording or any information storage and retrieval system, without permission in writing from the author (the copyright holder) and the above publisher. in any form or by any means, electronic or mechanical, including photocopy All rights reserved. No part of this publication may be reproduced or transmitted

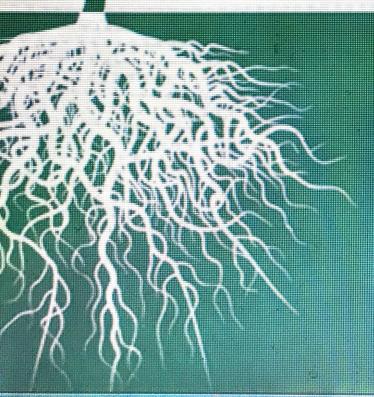
Dedication

my respected Parents I dedicate this book to

SI. No.	Name of the teacher	Title of the book/chapter s published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
3	Dr. Anju	Mycorrhizal	Biocontrol of	Mycorrhizal	Mycorrhizal		2017	978-93-5124-	Botany	Daya
	Tanwar	Fungi	fusarium	Fungi	Fungi			841-5	Department,	Publishing
	(Botany)		wilt of					(Hardbound)	University	House, A
			tomato with					978-93-	College,	division of
			special					866071-79-8	Kurukshetra	Astral
			reference to					(International		International
			arbuscular					edition)		Pvt. Ltd.,
			mycorrhizal					(Chapters in		New Delhi
			fungi					edited book)		



Mycorrhizal Fungi



Ashok Aggarwal Kuldeep Yaday

Mycorrhizal Fungi

-- Editors ---

Ashok Aggarwal

Kuldeep Yadav

Department of Botany, Kurukshetra University, Kurukshetra, Haryana

2017
Daya Publishing House®

ADivision of
Astral International Pvt. Ltd.
New Delhi-110 002

Every possible effort has been made to ensure that the information contained in this book is accurate at the time of going to press, and the publisher and author cannot accept responsibility for any errors or omissions, however caused. No responsibility for loss or damage occasioned to any person acting, or refraining from action, as a result of the material in this publication can be accepted by the editor, the publisher or the author. The Publisher is not associated with any product or vendor mentioned in the book. The contents of this work are intended to further general scientific research, understanding and discussion only. Readers should consult with a specialist where appropriate.

Every effort has been made to trace the owners of copyright material used in this book, if any. The author and the publisher will be grateful for any omission brought to their notice for acknowledgement in the future editions of the book.

All Rights reserved under International Copyright Conventions. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written consent of the publisher and the copyright owner.

Cataloging in Publication Data--DK

Courtesy: D.K. Agencies (P) Ltd. <docinfo@dkagencies.com>

Mycorrhizal fungi / editors, Ashok Aggarwal, Kuldeep Yadav,

mente nace

ISBN 978-93-5124-841-5 (Hardbound)

ISBN 978-93-86071-79-8 (International Edition)

... 1. Mycorrhizal fungi. I. Aggarwal, Ashok (Professor of botany), editor. II. Yadav, Kuldeep, editor.

QK604.2.M92M93 2017

Radionalist de la constantia del constantia del constantia de la constantia de la constantia de la constantia del constanti

: Daya Publishing House

A Division of

Astral International Pvt. Ltd.

- ISO 9001:2008 Certified Company - 4760-61/23, Ansari Road, Darva Ganj

Ph. 011-43549197, 23278134

E-mail: info@astralint.com

Website: www.astralint.com

Digitally Printed at

Replika Press Political

Saline Soils — 6. Effect of Salinity Stress on AM Fungal Colonization in different Plants — 7. Effect of Salinity on Germination of Spores — 8. Role of AM Fungi in Sand Aggregation — 9. Dune Restoration in different Plants Growing in Coastal Regions — 11. Effect of AM Fungi on Plant Growth under Saline Conditions — 12. Greenhouse Experiment to Understand the Effect of AM Fungi in Saline Stress — 13. Effect of AM Fungi on Nutrient uptake in Saline Soils — 14. Effect on Hydraulic Conductivity — 15. Conclusion — References:

Romana M. Mirdhe, H.C. Lakshman and Jyoti Puttaradder

— Part V — Molecular Approaches and Biocontrol

15. Biocontrol of Fusarium Wilt of Tomato with special reference to Arbuscular Mycorrhizal Fungi

337

1. Introduction – 2. Disease Management – 2.1. Chemical Control – 2.2. Physical Method – 2.3. Biological Control – 2.4. Plant Products/Botanicals – 2.5. Organic Amendments – 2.6. Induced Resistance – 2.7. Integrated Control – 3. Research from our Laboratory – References.

Anju Tanwar, Ishan Saini, Esha Jangra, Anil Gupta and Vipin Panwar

16. Molecular Mechanisms and Events Coupled with Mycorrhizal Symbiosis

357

1. Introduction — 2. Strigolactones Provoke Fungal Activity by Activating Mitochondria — 3. Specific Function of GRAS Type Transcription Factors — 4. Protein Pattern Associated with AM Fungi — 5. Genetic Control over the Development of Arbuscules — 6. Control of AM Symbiosis by Nutrient Signals — 7. Roles of Phytohormones — 8. Role of Plastid Derived Metabolites — 9. Discussion — References.

Navnita Sharma, Ashish Kumar, Esha <mark>Jangra and A</mark>shok Aggarwal

Index

377

Published by: ASTRALINTERNATIONAL PVT. LTD., NEW DELHI

15

Biocontrol of *Fusarium* Wilt of Tomato with special reference Arbuscular Mycorrhizal Fungi

Anju Tanwar*1, Ishan Saini², Esha Jangra², Anil Gupta¹ and Vipin Panwar³

*Corresponding Author: anjutanwarbotany@gmail.com

Diseases of regetable crops are one of the main limiting factors in the modern agriculture, holding potential for a devastating effect on the growth, development and wield of regetables. Over the past few years, there has been a strong apsurge in the demand for tomator Root will of tomato caused by Fusprium species is considered to be a serious threat in the tomata trust production all over the world and biological control is a waveout. Management of plant discusis through manipulation of associated production, restores the biological equilibrium. Plant microbe interactions are one of the attraction each that contribute for the sustainable conduction and management.

SI. No.	Name of the teacher	Title of the book/chapter s published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
4	Atul Yadav	PROCEEDINGS	Unsung	PROCEEDINGS	PROCEEDING	National	2017	Book ISBN:	Government	The Haryana
	(History)	Haryana	Heroes of	Haryana	S Haryana			978-81-	P.G College,	Academy of
		Swarna Jayanti	Haryana:	Swarna	Swarna			920611-6-0	Ambala	History and
		National	Military	Jayanti	Jayanti				Cantt	Culture,
		Conference:	History A	National	National					Kurukshetra
		HARYANA	Deprived	Conference:	Conference:					
		THROUGH THE	Field in	HARYANA	HARYANA					
		AGES:	Haryanvi	THROUGH	THROUGH					
		REFLECTIONS	Historical	THE AGES:	THE AGES:					
		ON HISTORY	Circles	REFLECTIONS	REFLECTIONS					
		SOCIETY		ON HISTORY	ON HISTORY					
		CULTURE &		SOCIETY	SOCIETY					
		ECONOMY		CULTURE &	CULTURE &					
				ECONOMY	ECONOMY					

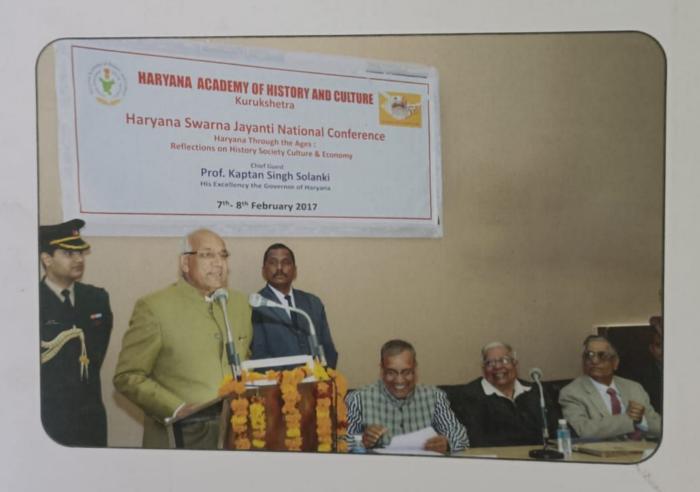
PROCEEDINGS

Haryana Swarna Jayanti National Conference

HARYANA THROUGH THE AGES:

REFLECTIONS ON HISTORY SOCIETY CULTURE & ECONOMY

7th - 8th February, 2017





Haryana Academy of History & Culture
Kurukshetra

PROCEEDINGS

Haryana Swarna Jayanti National Conference

HARYANA THROUGH THE AGES:

REFLECTIONS ON HISTORY SOCIETY CULTURE & ECONOMY

First Session 2017



Haryana Academy of History & Culture Kurukshetra

(Autonomous Body of the Govt. of Haryana)

Haryana Swarna Jayanti National Conference

HARYANA THROUGH THE AGES:

REFLECTIONS ON HISTORY SOCIETY CULTURE & ECONOMY 1st Session (2017) Proceedings



© ह.इ.सं.अ. 2018

ISBN: 978-81-920611-6-0

प्रकाशक

हरियाणा इतिहास एवं संस्कृति अकादमी

गुलजारी लाल नन्दा सेंटर, अर्जुन चौक नजदीक ब्रह्मसरोवर, कुरुक्षेत्र-136118

टेलीफैक्स : 01744-251650

ई-मेल : hahckurukshetra@gmail.com

मदक डी-यूनिक नई दिल्ली

The Haryana Academy of History and Culture is in no way responsible for the views, facts, citations etc., indeed the responsibility is that of the contributing author/authors.

11.	UNSUNG HEROES OF HARYANA: MILITARY HISTORY A DEPRIVED FIELD IN HARYANVI HISTORICAL CIRCLES Dr. Atul Yadav	105
12.	THE ANGLO-DOGRA ALLIANCE AND THE UPRISING OF 1857 Dr. Anu Mankotia	123
13.	'BHUQ' OR 'SHAUQ'? ARIDITY, MILITARY RECRUITMENT AND SOCIETY IN EARLY TWENTIETH CENTURY COLONIAL SOUTH EAST PUNJAB	133
	Dr. Virender Singh Dhillon	
14.	STATUS OF WOMEN IN MID 19TH AND EARLY 20TH CENTURY IN HARYANA REGION	141
15	Dr. Parveen Kumar	
15.	अहीरवाल का नायक-राव मित्रसेन Dr. Laxmi Narayan	147
16.	IMPACT OF KANYA GURUKULAS ON EARLY CHILD MARRIAGE IN HARYANA SOCIETY Dr. Rukmesh	155
17.	औपनिवेशिक हरियाणा में कृषक सम्बन्ध (1901-47) Dr. Dheeraj Kaushik	159
18.	EVOLUTION OF GRAM SABHA IN HARYANA Dr. Saroj Malik	167
19.	EVOLUTION OF HARYANA: A STUDY OF THE BIRTH AND THE CULMINATION OF THE IDEA Dr. Madan Rathee	171
20.	उत्तरी हरियाणा में साम्प्रदायिक राजनीति (1922-1947 ई ?) Dr. Rajkumar	177
21.		187
22.		193
23.	JUBILEE JUBILEE	207
	Dr S S Sangwan	

UNSUNG HEROES OF HARYANA: MILITARY HISTORY A DEPRIVED FIELD IN HARYANVI HISTORICAL CIRCLES

Dr. Atul Yadav

Warfare being an integral component of human civilization, nations are generally defined by the role played by their Armed Forces in shaping their history. The story of Army has neither a beginning, nor an end; one has to, therefore, choose a point in time to start it. The story begins in 1914.

The ancient wars in India have been immortalized in the epics of Ramayna and Mahabharta. In the medieval time, several invaders from the west drew the local kings and rulers into wars, from time to time. This, of necessity, created a war-culture in the north-western region of the country. Thus several fighting-fit clans were created.

The foundations of the modern Armed Forces in India were laid, in the ninetieth century, by the British rulers, to serve their purpose. They introduced a systematic policy of recruitment, training, deployment, organization, welfare, etc. Subsequently indianization of our Armed Forces took its course, but it was a baptism by fire and a saga of heroism and adventure. The Indian forces played a crucial role in the two World Wars, fighting shoulder to shoulder with the allied forces in foreign lands. After gaining independence in 1947, India has fought four wars with Pakistan-the latest being Kargil (1999). One war, in 1962, was thrust upon India by China. The 'proxy war' through intermittent Pakistani infiltrations, in Jammu and Kashmir, has been continually bleeding the Army and the Para-military Forces.