Rices of Goa
and Their
Grain Quality

Shilpa J. Bhonsle and S. Krishnan

Department of Botany
Goa University
Goa 403 206, India
www.unigoa.ac.in
Rices of Goa and their Grain Quality

By: Shilpa J. Bhonsle and S. Krishnan

First Published in January 2012

© Published by: Goa University, Goa, India

© Distribution by:

BROADWAY PUBLISHING HOUSE

1st Floor, Ashirwad Bldg., Next to Rizvi Towers
Near Caculo Island, 18th June Road, Panjim, Goa
Tel.: 2420677, 6647037, 6647038
Website: www.bbcbooks.net
Email: bbcbooks@rediffmail.com

Price: ₹ 699/-  US $ 25.00  £ 20.00

Printed by: Rama Harmalkar 9326102225


No part of this book may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior permission of the authors. All the rights reserved except for the use in review, scientific purpose or for the environmental education.
## Contents

Dedication  
Foreword  
Preface  
Acknowledgment  
Field and laboratory work  
About the book  
Introduction  
Geography and climatic conditions of Goa  
Origin, antiquity and species complexes of rice  
Rice classification  
Botanical description  
Status of rice production  
Rice cultivation in Goa  
Post harvest technology  
Basmati rice in Goa  
Hybrid rice  
Rice tissue culture  
Basic breeding techniques  
Golden rice  
Bt-rice  
Rice caryopsis structure and storage compounds  
Nutritional value  
Rice in culture  
Rice products from Goa  
Traditional food items and recipes of Goa  
Major grain quality characteristics  
Methodology for grain quality evaluation  
Checklist of traditionally cultivated rice varieties of Goa  
Detailed characteristics of traditionally cultivated rice varieties of Goa  
Traditional rice varieties which were grown in Goa  
High yielding rice varieties from the State of Goa  
Characteristics of high yielding rice varieties from the State of Goa  
Wild species of rice  
Future prospects  
Glossary  
References  
Index