

Women in Engineering and Science

More information about this series at <http://www.springer.com/series/15424>

Laura S. Privalle
Editor

Women in Sustainable Agriculture and Food Biotechnology

Key Advances and Perspectives on Emerging
Topics

 Springer

Editor

Laura S. Privalle
Bayer CropScience
Morrisville, NC
USA

ISSN 2509-6427 ISSN 2509-6435 (electronic)
Women in Engineering and Science
ISBN 978-3-319-52200-5 ISBN 978-3-319-52201-2 (eBook)
DOI 10.1007/978-3-319-52201-2

Library of Congress Control Number: 2016963199

© Springer International Publishing AG 2017

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Printed on acid-free paper

This Springer imprint is published by Springer Nature
The registered company is Springer International Publishing AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Contents

Pioneering Women in Sustainable Agriculture and Food Biotechnology	1
Jill S. Tietjen and Laura S. Privalle	
Agrobacterium. A Memoir (In Part Reprinted from Plant Physiology Vol. 125, 2001)	21
Mary-Dell Chilton	
From Maize Transposons to the GMO Wars	39
Nina Fedoroff	
Agriculture in the Modern Age Biopesticides and Plant Biotechnology	59
Sue MacIntosh	
The Story Behind the Approval of the First <i>Bt</i> Maize Product	71
Laura S. Privalle	
Trails and Trials in Biotechnology Policy	85
Jennifer Kuzma	
Enabling Educators: Biotechnology in the Classroom	97
Kathleen E. Kennedy	
Africa’s Fight for Freedom to Innovate and the Early Signs of Embracing Biotechnology Especially Genetically Modified (GM) Foods	125
Florence M. Wambugu	
Sustainable Agriculture and Biotechnology—A Woman Grower’s Perspective	135
Carrie Mess	
Index	151