

Contents

Vitamin B6 in Plants: more than Meets the Eye

Teresa B. Fitzpatrick

Biotin (vitamin B8) Synthesis in Plants

Claude Alban

Metabolism of Folates in Plants

Stéphane Ravanel, Roland Douce, Fabrice Rébeillé

Vitamin C: The Metabolism and Functions of Ascorbic Acid in Plants

Nicholas Smirnoff

Vitamin E

Dean DellaPenna, Laurent Mène-Saffrané

Vitamin K1 (Phylloquinone: Function, Enzymes and Genes)

Chloë van Oostende, Joshua R. Widhalm, Fabienne Furt, Anne-Lise Ducluzeau, Gilles J. Basset

Cover Image: Illustration from the rare book of Nikolaus Thomas Host (1804) 'Figures and description of gramineae from Austria' [*Icones et descriptione Graminum austriacorum*, Volume 3 page 22 "*Triticum polonicum*" (Publisher: Matth. Andrae Schmidt, Vindobonae)]. This book is part of the private collection of R. Douce. Inserts (left to right, top to bottom) are figures from chapter 1 (vitamin B₆), chapter 2 (vitamin B₆), chapter 3 (vitamin B₆), chapter 4 (vitamin C), chapter 5 (vitamin E) and chapter 6 (vitamin K).



ACADEMIC PRESS

An imprint of Elsevier
elsevierdirect.com

ISBN 978-0-12-385853-5



9 780123 858535