

## CONTENTS

Preface	V
Foreword	VII
Contributors	IX
Contents	XI
<b>CHAPTER 1 Worldwide prevalence of anemia in preschool aged children, pregnant women and non-pregnant women of reproductive age</b> <i>Erin McLean, Ines Egli, Mary Cogswell, Bruno de Benoist and Daniel Wojdyla</i>	1
<b>CHAPTER 2 The case for urgent action to address nutritional anemia</b> <i>M.G. Venkatesh Mannar</i>	13
<b>CHAPTER 3 The economics of addressing nutritional anemia</b> <i>Harold Alderman and Susan Horton</i>	19
<b>CHAPTER 4 Diagnosis of nutritional anemia – laboratory assessment of iron status</b> <i>Hans-Konrad Biesalski and Jürgen G. Erhardt</i>	37
<b>CHAPTER 5 An overview of the functional significance of iron deficiency</b> <i>Gary Gleason and Nevin S. Scrimshaw</i>	45
<b>CHAPTER 6 Iron metabolism</b> <i>Sean Lynch</i>	59
<b>CHAPTER 7 Optimizing the bioavailability of iron compounds for food fortification</b> <i>Richard Hurrell and Ines Egli</i>	77
<b>CHAPTER 8 Copper and zinc interactions in anemia: a public health perspective</b> <i>Manuel Olivares and Eva Hertrampf and Ricardo Uauy</i>	99
<b>CHAPTER 9 Nutritional anemia: B-vitamins</b> <i>John M. Scott</i>	111
<b>CHAPTER 10 Vitamin A in nutritional anemia</b> <i>Keith P. West, Jr., Alison D. Gernand and Alfred Sommer</i>	133

<b>CHAPTER 11</b>	<b>Oxidative stress and vitamin E in anemia</b>	
	<i>Maret G. Traber and Afaf Kamal-Eldin</i>	155
<b>CHAPTER 12</b>	<b>Selenium</b>	
	<i>Richard D. Semba</i>	189
<b>CHAPTER 13</b>	<b>Interactions between iron and vitamin A, riboflavin, copper, and zinc in the etiology of anemia</b>	
	<i>Michael B. Zimmermann</i>	199
<b>CHAPTER 14</b>	<b>Anemia in severe undernutrition (malnutrition)</b>	
	<i>Alan A. Jackson</i>	215
<b>CHAPTER 15</b>	<b>Infection and the etiology of anemia</b>	
	<i>David I. Thurnham and Christine A. Northrop-Clewes</i>	231
<b>CHAPTER 16</b>	<b>Making programs for controlling anemia more successful</b>	
	<i>Saskia de Pee, Martin W. Bloem, Regina Moench-Pfanner and Richard D. Semba</i>	257
<b>CHAPTER 17</b>	<b>Successful approaches: Sprinkles</b>	
	<i>Stanley H. Zlotkin and Melody Tondeur</i>	269
<b>CHAPTER 18</b>	<b>Safety of interventions to reduce nutritional anemias</b>	
	<i>Klaus Schümann and Noel W. Solomons</i>	285
<b>CHAPTER 19</b>	<b>The importance and limitations of food fortification for the management of nutritional anemias</b>	
	<i>Omar Dary</i>	315
<b>CHAPTER 20</b>	<b>Food-based approaches for combating iron deficiency</b>	
	<i>Brian Thompson</i>	337
<b>CHAPTER 21</b>	<b>Global perspectives: accelerating progress on preventing and controlling nutritional anemia</b>	
	<i>Ian Darnton-Hill, Neal Paragas and Tommaso Cavalli-Sforza</i>	359
<b>CHAPTER 22</b>	<b>Conclusions and research agenda</b>	
	<i>Klaus Kraemer, Elisabeth Stoecklin and Jane Badham</i>	383
	<b>Index</b>	389