

Contents

| | |
|--|-----|
| Introduction | 1 |
| Botanical and Non-botanical Products for Glucose Lowering | 19 |
| Aloe (<i>Aloe vera</i> L.) | 20 |
| Banaba (<i>Lagerstroemia speciosa</i> L) | 24 |
| Berberine (<i>Coptis chinensis</i> [Huanglian or French]) | 28 |
| Bilberry (<i>Vaccinium myrtillus</i> L.) | 34 |
| Bitter Melon (<i>Momordica charantia</i>) | 39 |
| Chia (<i>Salvia hispanica</i> L.) | 45 |
| Chromium | 49 |
| Cinnamon (<i>Cinnamomum cassia</i>) or (<i>Cinnamomum zeylanicam</i>) | 56 |
| Fenugreek (<i>Trigonella foenum-graecum</i> Linn.) | 62 |
| Flaxseed (<i>Linum Usitassimum</i> L.) | 68 |
| Ginseng (Asian or Korean [<i>Panax ginseng</i> C.A. Meyer] and American [<i>Panax quinquefolius</i> L.]) | 75 |
| Gymnema (<i>Gymnema sylvestre</i> R. Br.) | 82 |
| Holy Basil (<i>O tenuiflorum</i> L.; Formerly Known as <i>Ocimum sanctum</i> L.) | 87 |
| Honey (Sometimes Known as Manuka Honey) | 91 |
| Ivy Gourd (<i>Coccinia indica</i> , Also Known as <i>Coccinia cordifolia</i> and <i>Coccinia grandis</i>) | 96 |
| Magnesium | 100 |
| Milk Thistle (<i>Silybum marianum</i>) | 106 |
| Mulberry (<i>Morus alba</i> Linn.) | 112 |
| Nopal (<i>Opuntia streptacantha lemaire</i>) | 117 |
| Probiotics | 122 |
| Psyllium (<i>Plantago ovata</i>) | 129 |
| Tea (<i>Camellia sinensis</i>) | 134 |
| Turmeric (<i>Curcuma longa</i> Linn) | 141 |
| Vinegar (<i>Acetic acid</i>) | 147 |
| Zinc | 152 |

| | |
|---|-----|
| Botanical and Nonbotanical Products Used for Diabetes Comorbidities | 159 |
| α -Lipoic Acid | 160 |
| Benfotiamine (Also Known as Vitamin B1, Allithiamines) | 166 |
| Coenzyme Q10 | 170 |
| Fish Oil (Ω -3 Fatty Acids) | 180 |
| Garcinia (<i>Garcinia cambogia</i>) | 189 |
| Garlic (<i>Allium sativum</i>) | 193 |
| Ginkgo (<i>Ginkgo biloba</i> L.) | 198 |
| Glucomannan (<i>Amorphophallus konjac</i> K. Koch) | 204 |
| Hibiscus (<i>Hibiscus sabdariffa</i> L.) | 208 |
| Pine Bark Extract (<i>Pinus pinaster</i> ait) | 214 |
| Red Yeast Rice (<i>Monascus purpureus</i> went) | 219 |
| St. John's Wort (<i>Hypericum perforatum</i> L.) | 225 |
| Vitamin D | 229 |
| | |
| Closing Comments and Advice for Clinicians | 237 |
| Case Study | 242 |
| | |
| Appendix: Tables 1 and 2 | 245 |
| | |
| Index | 287 |