EWC Scientists: Addressing Food Security

EWC scientists are in applied science, in a unique position to face societal challenges. A case in point is food security, defined as “sufficient, safe and nutritious food for all.” With the world’s population rising from 7.3 currently to 8.9 billion in 2020, aggravated by climate change, loss of agricultural land, soil degradation, limited water supply and wars, production will be incapable of coping with global food demand. The green revolution, which prevented widespread hunger in the 1960s, is now inadequate. Food security includes nutritional security, the importance of which is evident as dietary-related disorders (obesity, diabetes, cancer, cardiovascular diseases) continue to increase. Developing countries contend with a double burden of micronutrient deficiency co-existing with the maladies mentioned above. Multidisciplinary and multinational strategies are being implemented, and EWC agricultural and food scientists and nutritionists are involved.