Conquer the Challenges in Agriculture for Global Food Demand

The global food system is expected to provide safe and nutritious food to the world population that will likely grow beyond 9 billion people in the coming decades. To meet the growing demand, agricultural productivity should increase through sustainable production. However, in the current scenario, the world faces challenges that jeopardize food security. Thus, improvements in agricultural efficiency are not enough to maintain a sufficient increase in crop and livestock production, as they are impeded by climate change, degradation of natural resources, loss of biodiversity, the outbreaks of pests and diseases and developed antimicrobial resistance in livestock. At the same time, globalization, technological advances, business and economic changes, and government policies are transforming entire food chains. Research findings leading to address those global issues in the areas such as Crop Production Technology, Crop Improvement and Plant Protection, Irrigation and Drainage Systems, Post-harvest Processing, Storage and Technology, Bioenergy, Agricultural Engineering, Animal Husbandry, Animal Health and Welfare, Aquaculture, Agricultural Environment, Agricultural Economy, and Agribusiness Management and Extension are henceforth included in this section.