

Theme name

Plant nutritional aspects of food quality

Theme description

We aim to understand fundamental biochemical and plant nutritional processes and pathways influencing the quality of plant-based food and feed. We study key factors controlling the nutritional status of plants including soil fertility, agricultural management practices and fertilization rate and type. We seek to develop and utilize novel analytical methods for investigating nutrient availability and utilization in plant metabolism. For example, we use oxygen isotope ratio analysis of sulphate for investigating sulphur availability in soil and utilization in plants. In the coming years we will also investigate microbiome-plant interactions with a strong focus on nutrient availability and utilization.

