



Special Issue on Plant Growth and Nutrition

Call for Papers

Plant growth and development largely depend on the combination and concentration of mineral nutrients available in the soil. Plants often face significant challenges in obtaining an adequate supply of these nutrients to meet the demands of basic cellular processes due to their relative immobility. A deficiency of any one of them may result in decreased plant productivity and/or fertility. Symptoms of nutrient deficiency may include stunted growth, death of plant tissue, or yellowing of the leaves caused by a reduced production of chlorophyll, a pigment needed for photosynthesis. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **plant growth and nutrition**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **plant growth and nutrition**. In this special issue, potential topics include, but are not limited to:

- Morphological variation during growth
- Leaf development
- Flower development
- Floral fragrance
- Nutritional requirements of plants
- Macronutrients and Micronutrients
- The effects of minerals and nutrients on plant growth
- Plant Acquisition of Nutrients: Symbioses with Soil-based Microorganisms
- Mycorrhizal interactions with plants
- Nutrient uptake and assimilation in plants
- Soil-plant interactions and nutrient availability
- Root system architecture and nutrient acquisition efficiency
- Nutrient transport and allocation within plants
- Plant responses to nutrient deficiency and toxicity
- Nutrient signaling and gene regulation in plant growth and nutrition
- Rhizosphere microbiome and its role in nutrient cycling and availability
- Nutrient remobilization and storage in plants
- Soil fertility management and nutrient recycling strategies
- Plant nutrition and its impact on crop productivity and quality.

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue – *Plant Growth and Nutrition***” should be selected during your Submission.

Special Issue timetable:

Submission Deadline	December 18th, 2023
Publication Date	February 2024

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
ajps@scirp.org