CALL FOR PAPERS

Plant Physiology Focus Issue on Plant Phosphorus Nutrition

Deadline for Submission: March 1, 2011
To submit an article, please go to http://submit.plantphysiol.org.

Plant Physiology is pleased to announce a Focus Issue on Plant Phosphorus Nutrition, to be published in July 2011. The issue will be co-edited by Carroll Vance and Tzyy-Jen Chiou. This issue will focus on the recent developments in phosphorus acquisition and use ranging from soil transformations to signal transduction and genomics. Phosphorus acquisition and use are a conundrum. While phosphorus is critical for plant growth, its overuse in developed countries leads to phosphorus loading of prime agricultural land, but it is frequently the limiting nutrient in the soils of developing countries. Continued production and application of phosphorus fertilizer relies on a nonrenewable resource that will peak in about 2050. This will result in significantly increased cost, particularly for developing countries. Research aimed at understanding phosphorus acquisition and use is required to maintain and improve agricultural productivity in developed and developing countries, respectively. Research articles on all aspects of phosphorus acquisition and use will be considered.

Please contact Carroll Vance (vance004@tc.umn.edu) or Tzyy-Jen Chiou (tjchiou@gate.sinica.edu.tw) for additional information.