

# XVI International Plant Nutrition Colloquium

## Session A: Nutrient Acquisition, Homeostasis and Source-Sink Relations

### POSTERS

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- 1006 Occurrence Of Vesicular–Arbuscular Mycorrhizal (VAM) Fungi In Patchouli (*Pogostemon Cablin Benth.*). *Dr. Ajay Mishra (Central Institute Of Medicinal And Aromatic Plants)* ([PDF](#))
- 1040 Arabidopsis Adapts To Copper Deficient Conditions Via SPL7, A Master Regulator For Copper Homeostasis. *Hiroaki Yamasaki (Kyoto University) and Toshiharu Shikanai (Kyoto University)* ([PDF](#))
- 1045 Search Of Mungbean (*Vigna radiata* (L.) Wilczek) Genotypes For Optimal And Sub-Optimal Nitrogen Levels. *Md. Hossain (Soil Resource Development Institute)* ([PDF](#))
- 1066 Mechanisms Of Phosphorus Efficiency In Potato Genotypes. *Manfred Schenk (Institute Of Plant Nutrition, Leibniz University Hannover, Germany) and Tesfaye Balemi (Institute Of Plant Nutrition, Leibniz University Hannover, Germany & Ambo University College, Ethiopia)* ([PDF](#))
- 1074 Mycorrhizae Applications In Horticultural Production On Plant Growth. *Ibrahim Ortas (University Of Cukurova)* ([PDF](#))
- 1082 Boron Deficiency In Rice And The Potential Of Up-Regulated Rice Boron Transporter In Improving Boron Deficient Symptoms. *Shimpei Uruguchi (Biotechnology Research Center, University Of Tokyo, Tokyo, Japan) et al.* ([PDF](#))
- 1109 Growth, Yield, Fiber Quality And Nutrient Uptake Of Two Different Potassium Efficiency Cotton Genotypes In Response To Potassium Deficiency. *Cun Cang Jiang et al.* ([PDF](#))
- 1117 Regulatory Mechanism On Sucrose Metabolism In Rice Endosperm By A Specific Protein Kinase, SPK. *Hiroaki Shimada (Tokyo University Of Science) et al.* ([PDF](#))
- 1129 Genetic Improvement In Crop Phosphorus Efficiency: A Case Study On Purple Acid Phosphatases In Common Bean. *Jiang Tian (Root Biology Center) et al.* ([PDF](#))
- 1149 Interactions Of Pod-Zone pH And Ca Concentrations On Reproductive Growth Of Groundnut (*Arachis hypogaea* L.). *Monica Murata (Department Of Agricultural Research And Extension, Harare, Zimbabwe) et al.* ([PDF](#))
- 1196 A Novel NAC Transcription Factor, IDEF2, Which Recognizes The Iron Deficiency-Responsive Element 2, Regulates Genes Involved In Iron Homeostasis. *Yuko Ogo (University Of Tokyo) et al.* ([PDF](#))

- 1254 Regulation And Function Of Pht1 Family Phosphate Transporters In Rice. *Penghui Ai (Nanjing Agricultural University) et al.* ([PDF](#))
- 1280 Barley Phosphate Transporter 1;6 Shows Broad Inorganic Anion Transport Activity When Expressed In *Xenopus laevis* oocytes. *Christian Preuss (University Of Adelaide) et al.* ([PDF](#))
- 1287 Plant Metallothioneins And Functional Analysis Of A Barley Metallothionein Promoter. *Michaela Schiller (University Of Copenhagen) et al.* ([PDF](#))
- 1296 Analysis Of Transgenic Rice Plants Expressing OsNAS2 Or OsNAAT1 Gene Fused To sGFP Under Control Of Their Own Promoter. *Tomoko Nozoye (University Of Tokyo)* ([PDF](#))
- 1305 Characterization Of A Mitochondrial Iron Regulated Gene (MIR) In Rice. *Khurram Bashir (The University Of Tokyo) et al.* ([PDF](#))
- 1306 Characterization Of A Rice Mitochondrial Iron Transporter (OsMIT). *Khurram Bashir (The University Of Tokyo) et al.* ([PDF](#))
- 1317 Variations In Phosphorus Acquisition From Sparingly Soluble Forms By Maize And Soybean In Low- And Medium-P Soils Using P-32. *Joseph Adu-Gyamfi (Soil Science Unit, Fao/Iaea Agricultural And Biotechnology Laboratoy, International Atomic Energy Agency, Vienna, Austria) et al.* ([PDF](#))
- 1320 Improving Nitrogen Use Efficiency In Barley (*Hordeum vulgare* L.) Through The Cisgenic Approach. *Thomas Kichey (University Of Copenhagen) et al.* ([PDF](#))
- 1325 Nitrogen Allocation In High Yielding Bollgard II Cotton. *Meredith Errington (The University Of Sydney And Cotton Catchment Communities Crc) et al.* ([PDF](#))
- 1349 Calcium Translocation And Whole Plant Transpiration: Spatial And Temporal Measurements Using Radio-Strontium As Tracer. *Ron Seligmann (Faculty Of Agriculture, Food And Environment In Rehovot, The Hebrew University Of Jerusalem, Israel) et al.* ([PDF](#))
- 1428 Potassium Conservation In Tropical Production Systems. *Ciro Rosolem (São Paulo State University) and Rodrigo Garcia (São Paulo State University)* ([PDF](#))