

**F. Fodor and J. Abadía:** Preface

**W. Schmidt and T.J. Buckhout:** A hitchhiker's guide to the *Arabidopsis ferrome*  
**J. Abadía, S. Vázquez, R. Rellán-Álvarez, H. El-Jendoubi, A. Abadía,**  
**A. Álvarez-Fernández, and A.F. López-Millán:** Towards a knowledge-based  
correction of iron chlorosis

**H. El-Jendoubi, J.C. Melgar, A. Álvarez-Fernández, M. Sanz, A. Abadía and**  
**J. Abadía:** Setting good practices to assess the efficiency of iron fertilizers

**R. Shi, R. Bäßler, C. Zou and V. Römheld:** Is iron phloem mobile during  
senescence in trees? A reinvestigation of Rissmüller's finding of 1874

**Á. Solti, É. Sárvári, B. Tóth, B. Basa, L. Lévai and F. Fodor:** Cd affects the  
translocation of some metals either Fe-like or Ca-like way in poplar

**É. Sárvári, Á. Solti, B. Basa, I. Mészáros, L. Lévai and F. Fodor:** Impact of  
moderate Fe excess under Cd stress on the photosynthetic performance of poplar  
(*Populus jacquemontiana* var. *glauca* cv. *Kopeczkii*)

**S. Zuchi, S. Cesco, S. Gottardi, R. Pinton, V. Römheld and S. Astolfi:** The root-  
hairless barley mutant *brb* used as model for assessment of role of root hairs in  
iron accumulation

**Y. Mikami, A. Saito, E. Miwa and K. Higuchi:** Allocation of Fe and ferric  
chelatase activities in mesophyll cells of barley and sorghum under  
Fe-deficient conditions

**D. Tarantino, P. Morandini, L. Ramirez, C. Souve and I. Murgia:** Identification  
of an *Arabidopsis* mitoferrin-like carrier protein involved in Fe metabolism

**F. Maurer, S. Müller and P. Bauer:** Suppression of Fe deficiency gene  
expression by jasmonate

**M.J. García, V. Suárez, F.J. Romera, E. Alcántara and R. Pérez-Vicente:** A new  
model involving ethylene, nitric oxide and Fe to explain the regulation of  
Fe-acquisition genes in *Stratagely 1* plants

**E. Bacaicoa, V. Mora, Á.M. Zamarreño, M. Fuentes, E. Casanova and**  
**J.M. García-Mina:** Auxin: A major player in the shoot-to-root regulation of root  
Fe-stress physiological responses to Fe deficiency in cucumber plants

**J. Gollhofer, C. Schläwicke, N. Jungnick, W. Schmidt and T.J. Buckhout:**  
Members of a small family of nodulin-like genes are regulated under iron  
deficiency in roots of *Arabidopsis thaliana*

Photo: The leaves of Scented Solomon's-seal (*Polygonatum odoratum*), a perennial  
plant, show a characteristic fading as chlorophyll is decomposed and minerals are  
retranslocated before dormancy in winter. Image copyright: Ferenc Fodor.



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