

<b>Manganese satellite meeting, 20 August, Sunday</b> Location: Copenhagen Plant Science Centre	
9:00-9:05	Welcome by <b>Søren Husted, Denmark</b>

Session I – Manganese transport and homeostasis	
9:05-10:25	Chair: <b>Søren Husted, Denmark</b>  <b>9:05-9:35</b> Uptake, distribution and detoxification of manganese in rice <b>Jian Feng Ma, Japan</b>  <b>9:35-10:00</b> Metal transport functions of the Metal Tolerance Protein MTP8 during embryogenesis and germination <b>Nicolaus von Wirén, Germany</b>  <b>10:00-10:25</b> The iron-regulated transporter 1 (IRT1) plays an essential role in uptake, translocation and grain-loading of manganese in barley <b>Pai Pedas, Denmark</b>
10:25-10:45	Coffee break and poster viewing
10:45-12:00	Chair: <b>Jan K. Schjoerring, Denmark</b>  <b>10:45-11:10</b> Manganese detoxification and translocation by CDF transporters <b>Edgar Peiter, Germany</b>  <b>11:10-11:35</b> The role of MNX/PAM71-family transporters in manganese homeostasis <b>Marion Eisenhut, Germany</b>  <b>11:35-12:00</b> IRT1 cooperates with NRAMP1 for manganese acquisition by Arabidopsis root <b>Catherine Curie, France</b>
12:00-13:00	Lunch and poster viewing

Session II – Manganese functionality, efficiency and toxicity	
13:00-14:45	Chair: <b>Karl Herman Muehling</b>  <b>13:00-13:25</b> The importance of manganese in photosynthesis – Perspectives for improving manganese efficiency in plants <b>Sidse Birkelund Schmidt, Denmark</b>  <b>13:25-13:45</b> Combined transcriptome and proteome analysis of

	<p>maize leaves in response to latent manganese deficiency under high light <b>Lizhi Long, China</b></p> <p><b>13:45-14:05</b> Manganese accumulation in plant foliage: From hypertolerance to toxicity stress <b>Denise Fernando, Australia</b></p> <p><b>14:05-14:25</b> Symptom development and synchrotron-based imaging identify mechanisms of manganese toxicity and tolerance in crop plants <b>Pax Blamey, Australia</b></p> <p><b>14:25-14:45</b> Physiological highlights on manganese toxicity symptoms in soybean plants: Manganese toxicity responses <b>Rayen Millaleo, Brazil</b></p>
14:45-15:15	Coffee break and poster viewing

Session III – Manganese fertilization	
	<p>Chair: <b>Edgar Peiter, Germany</b></p> <p><b>15:15-15:40</b> Effect of stabilized ammonium fertilizers on soil manganese availability and concentration of wheat plants <b>Karl Herman Muehling, Germany</b></p> <p><b>15:40-15:55</b> Novel control-release fertilizers based on layered double hydroxides for manganese nutrition <b>Sandra López-Rayó, Denmark</b></p> <p><b>15:55-16:10</b> Effects of manganese and zinc on disease development of root rot and biomass production in red clover (<i>Trifolium pratense</i> L.) <b>Eva Stoltz, Sweden</b></p> <p><b>16:10-16:25</b> Response of sugarcane to the application of doses and sources of manganese <b>Estêvão Vicari Mellis, Brazil</b></p> <p><b>16:25-17:00</b> Effective strategies to diagnose and correct manganese deficiency in cereals <b>Søren Husted, Denmark</b></p>
15:15-17:00	
17:00-19:00	Poster viewing and get-together reception
19:00	Busses leave for the Tivoli Congress Centre