

PROGRAM

INTERNATIONAL SYMPOSIUM ON MAGNESIUM

IN CROP PRODUCTION, FOOD QUALITY AND
HUMAN HEALTH 8-9 MAY 2012

MAY 8, TUESDAY

08:00-12:00 Registration

10:00-10:30 **Welcoming Speeches**

Elke Pawelzik, Dean of Research
Affairs, Faculty of Agricultural Sciences,
Georg-August-University Goettingen,
Germany

Klaus Dittert, Head of the Institute of
Applied Plant Nutrition, Georg-August-
University Goettingen, Goettingen
Germany

Ernst Andres, Managing Director
K+S KALI GmbH, Kassel, Germany

SESSION I

Magnesium in Soil and Crop Production

Chaired by **Walter Horst, Leibniz University
Hannover, Hannover, Germany**

10:30-10:40 **Opening Speech on Magnesium**

Walter Horst, Leibniz University Hanno-
ver, Hannover, Germany

10:40-11:10 **Magnesium Mobility in Soils – Conse-
quences for Crop Production**

Andreas Gransee, K+S KALI GmbH,
Kassel, Germany

11:10-11:40 **Crop Response to Fertilizer Magnesium**

Witold Grzebisz, Poznan University of
Life Sciences, Poznan, Poland

11:40-12:10 **Effect of Magnesium Nutrition on
Plant Growth**

Ismail Cakmak, Sabanci University,
Istanbul, Turkey

12:10-12:40 **Significance of Magnesium for
Crop Quality**

Jóska Gerendás, K+S KALI GmbH,
Kassel, Germany

12:40-13:45 Lunch Break

SESSION II

Magnesium and Plant Tolerance

Chaired by **Klaus Dittert, Georg-August-University
Goettingen, Goettingen, Germany**

13:45-14:15 **Role of Magnesium in Aluminum
Resistance in Plants**

Zed Rengel, University of Western
Australia, Perth, Australia

14:15-14:45 **Involvement of a Magnesium Transpor-
ter in Aluminum Tolerance in Rice**

Jiang Feng Ma, Okayama University,
Okayama, Japan

14:45-15:15 **Magnesium Nutrition of Crop Plants
with Special Regard to Drought Stress**

Sven Schubert, Justus-Liebig-University
Gießen, Gießen, Germany

15:15-15:45 **Role of Magnesium in Plant Disease**

Don Huber, Purdue University, West
Lafayette, USA

15:45-16:05 Coffee Break

POSTER PRESENTATIONS I

Chaired by **Ernest Kirkby, University of Leeds,
Leeds, UK**

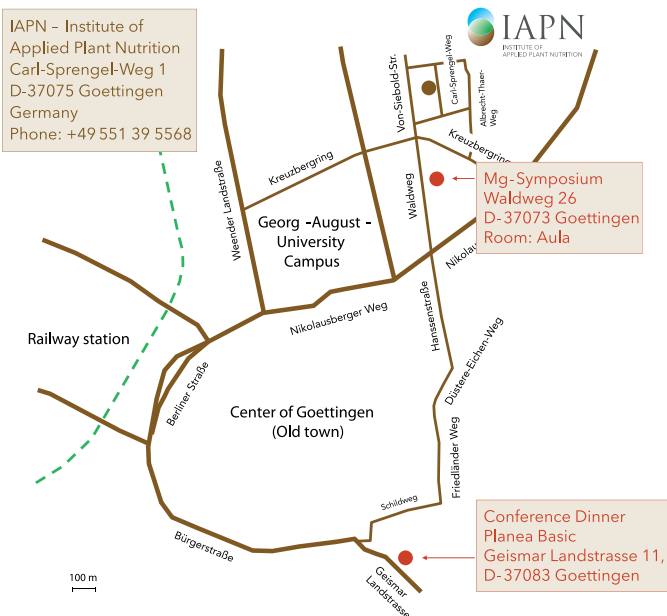
16:05-16:25 **Introduction of the 1st Group of Posters**

Ernest Kirkby, University of Leeds, Leeds,
UK

16:25-17:30 **Visiting Posters**

19:00 **Symposium Dinner** at Planea Basic,
Geismar Landstrasse 11, Goettingen

MAP OF GOETTINGEN



ORGANIZERS:

University of Goettingen,
Germany



Sabancı University,
Turkey



The Center for Mag-
nesium Education and
Research, USA



IAPN – Institute of Applied Plant Nutrition
University of Goettingen
Carl-Sprengel-Weg 1
D-37075 Goettingen, Germany
www.iapn-goettingen.de

MAY 9, WEDNESDAY

SESSION III

Magnesium and Plant Physiology

Chaired by Joachim Schulze, Georg-August-
University Goettingen, Goettingen Germany

- 08:45-09:15** Regulation of Magnesium
Content in Plants
Nathalie Verbruggen, Université Libre
de Bruxelles, Bruxelles, Belgium
- 09:15-09:45** Impacts of Glyphosate on Uptake of
Magnesium and Other Nutrients
Volker Römheld, University of Hohen-
heim, Stuttgart, Germany
- 09:45-10:15** Role of Magnesium in Phloem
Export of Zinc in Wheat
Levent Ozturk, Sabanci University,
Istanbul, Turkey
- 10:15 -10:45** Magnesium Deficiency and
Circadian Rhythm
Christian Hermans, Université Libre de
Bruxelles, Bruxelles, Belgium
- 10:45-11:05** Coffee Break

POSTER PRESENTATIONS II

Chaired by Elke Pawelzik, Georg-August-University
Goettingen, Goettingen Germany

- 11:05-11:25** Introduction of the 2nd Group of Posters
Elke Pawelzik Georg-August-University
Goettingen, Germany
- 11:25-12:30** Visiting Posters
- 12:30-13:30** Lunch

SESSION IV

Magnesium Impact on Nutrition and Health

Chaired by Andrea Rosanoff, Center for Magnesium
Education & Research, Pahoia, USA

- 13:30-14:00** Dietary Magnesium Supply in Africa
Martin R. Broadley, University of Not-
tingham, Nottingham, UK
- 14:00-14:30** Reduction of NaCl in Foods of Animal
Origin Trough Magnesium
Jose M. Barat, Universidad Politècnica
de València, València, Spain
- 14:30-15:00** Magnesium in Ruminant Nutrition
J. Thomas Schonewille, Utrecht Univer-
sity, Utrecht, Netherlands
- 15:00-15:30** Changing Crop Magnesium Levels:
Impact on Human Health
Andrea Rosanoff, Center for Magnesi-
um Education & Research, Pahoia, USA
- 15:30-15:50** Coffee Break
- 15:50-16:20** Magnesium and Cardiovascular
Diseases
Klaus Kisters, St Anna Hospital, Herne,
Germany
- 16:20-16:50** Magnesium in Clinical Medicine
Rhian M. Touyz, University of Glasgow,
Glasgow, UK
- 16:50-17:05** Summary and Concluding Remarks
Ismail Cakmak, Sabanci University,
Istanbul, Turkey
- 17:05** Closing