



INTERNATIONAL ASSOCIATION FOR
CEREAL SCIENCE AND TECHNOLOGY

Welcome to the 4th Latin American Cereals Conference!

March 11-14, 2018 – Mexico City, MX

ICC's Mission since 1955

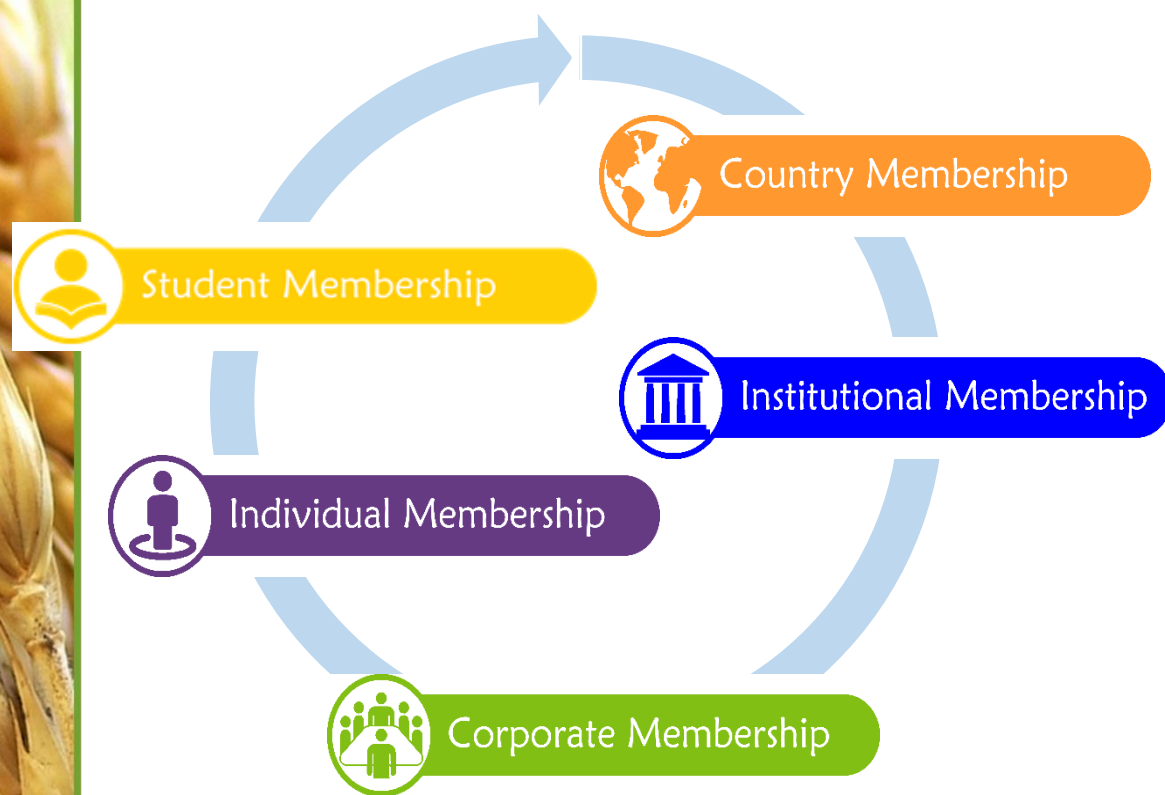


The International Association for Cereal Science and Technology is
the pre-eminent international association
in the field of cereal science and technology,
committed to **international cooperation**
through the **dissemination** of knowledge,
conducting **research**, and developing **standard methods** that
contribute to **advance innovation, improve food quality, food safety**
and food security for the health and well-being of all people.

ICC as unique platform



... connecting cereal scientists and technologists around the world



From Country Members as the highest level of affiliation **to Individual Members** wishing to promote & contribute to the aims and activities of the Association

Represented in about **85 countries** with **> 10,500 subscribers**

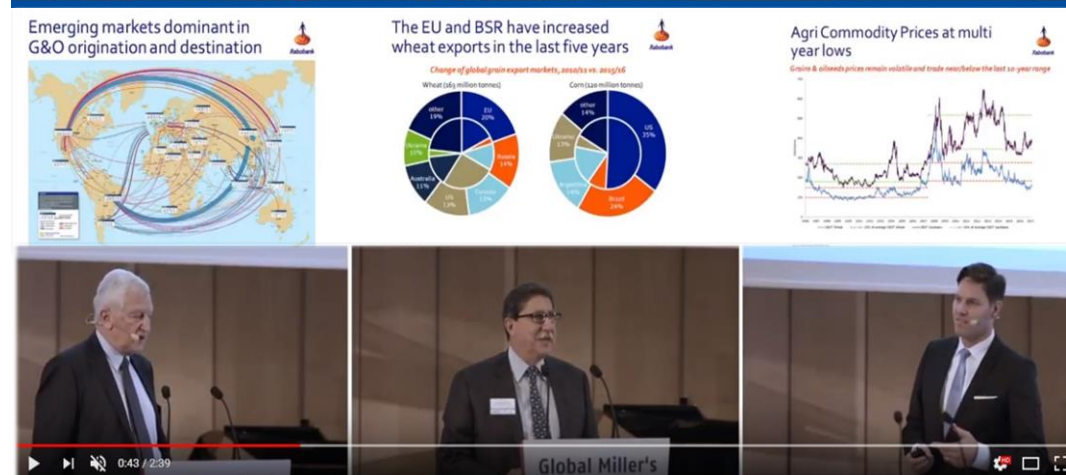
ICC Conferences



... to disseminate knowledge



20. – 21. April 2017 Hamburg, Germany



https://www.youtube.com/watch?time_continue=8&v=3ybKh8ReuxA

1st Global Miller's Symposium
“Exchange of knowledge between international wheat millers” has been organised in Hamburg, Germany, from 20 -21 April 2017 together with our member Mühlenchemie.

This symposium was designed for professionals of the milling industry, scientists, members of ICC and cereal executives.

Representatives from all continents shared their knowledge on trends in the global wheat market, flour treatment and fortification as well as new baking applications.

ICC Conferences

... to disseminate knowledge



The 1st ICC Asia-Pacific Grains Conference (APGC) was organised by our member the Chinese Cereals and Oils Association (CCOA) in Xiamen, May 21-24, 2017 and attracted over 600 participants.

This event promoted the exchange and cooperation in cereal science and technology and expected to contribute to sustainable development, science and technology innovation in Asia Pacific region.

THANKS to our local organiser CCOA as well as to all speakers, sponsors, exhibitors and participants for making this event premiere such a success!

ICC Conferences



... to disseminate knowledge



www.wholegrainsummit.com

The Whole Grain Summit 2017 **November 13-15, 2017 in Vienna/Austria**

was organised to bring together experts along the value chain with the aim to increase whole grain consumption

Day 1 featured the latest scientific updates

Day 2, all participants contributed to interactive workshops dealing with topics as:

- Whole grain intake recommendation & global standards
- Best practices and tools for whole grain promotion
- Whole grain on the plate out-of-home

Day 3 was dedicated to the development of a joint Whole Grain Declaration which is expected to lay the groundwork for ongoing actions.

ICC Conferences



... to disseminate knowledge



4th ICC Latin American Cereals Conference

13th International Gluten Workshop

11-17 March 2018

Mexico City, Mexico

For more information contact us:
c.guzman@cgiar.org



**4th ICC Latin American Cereals Conference
& 13th International Gluten Workshop**
11-17 March 2018 in Mexico City/Mexico

LACC promotes scientific and technological knowledge related to the production and processing of cereal grains. It's aimed at professionals connected to the value chains of grains and cereals, from agriculture production to the food industry.

The IGW is designed for all wheat grain quality scientists, breeders, and professionals in the milling and food industry.

www.cereals2018.cimmyt.org

ICC Conferences

... to disseminate knowledge



www.dietaryfibre.org

7th ICC Dietary Fibre Conference 4-6 June 2018 in Rotterdam/the Netherlands

Sessions will include:

- Fibres, fermentation and the gut microbiome
- Fibres and metabolic health
- Fibre, gut function and immune health
- Characterization of fibres and perspectives for applications
- Fibres in foods, impact on product structure and on health
- Trends in regulatory affairs – definitions, analysis, health statements
- Fibre, consumer perception and short-term well-being
- Fibre intake – from infants throughout all life stages; from paleo diets to future perspectives

ICC Conferences

... to disseminate knowledge



<http://www.grainsforwellbeing.org>

**2018 ICC International Conference –
GRAINS FOR WELLBEING**
November 5-8, 2018, Taipei/Chinese Taipei

Sessions will include:

- Breeding and agronomy
- Development of rice-based products
- Development of wheat-based products
- Development of products from specialty grains, pulses and others
- Structure and functions
- Health and nutrition
- Micronutrients and phyto-chemicals in grain products
- Safety and Traceability
- Communication and regulatory issues

ICC Conferences & Events



... to disseminate knowledge

Upcoming ICC Conferences after LACC4

- **7th ICC Dietary Fibre Conference**
4-6 June 2018 in Rotterdam/NL
- **ICC Int. Conference –
GRAINS FOR WELLBEING**
5-8 Nov. 2018, Taipei/Chinese Taipei
- **ICC Symposium on Cereal Science and
Technology**
24-25 April 2019, in Vienna/AT
- **5th Int. Symposium on Gluten Free Cereals &
Beverages**
26-28 June 2019 in Leuven/BE
- **2nd Asia-Pacific-Grain Conference**
August 2019 in Australia
- **16th ICC Cereal and Bread Congress**
20-23 April 2020 in Christchurch/NZ

ICC Endorsed Conferences 2018

- **World Mill Tech 2018 Expo**
29 March-1 April 2018 in Istanbul/TR

ICC Symposia & Sessions 2018

- **AACCI-ICC Symposium on Ancient Grains
at the International Sorghum Conference,**
9-12 April 2018 in Cape Town/SA
- **ICC Cereal Session at the 32nd EFFoST
International Conference**
6-8 Oct. 2018 in Nantes/FR

ICC Training Courses



... to disseminate knowledge



Foodtechmaster on Dry Pasta production from 9 – 13 October 2017 at the Pavan Conference Centre, Galliera Veneta (Padova) in collaboration with Pavan.

The FOODTECHMASTER was a series of professional training courses with the aim of sharing knowledge and expertise on food production technology.

The 5 days seminar was held by Professors of the academic community, high ranking ICC Experts and Process Engineers of Pavan Dry Pasta Division.

Topics covered the entire pasta production process, from theoretical aspects to practical issues.

ICC Research Projects



“MyNewGut,, Microbiome Influence on Energy Balance and Brain Development - Function Put into Action to Tackle Diet-related Diseases and Behaviour.

- The MyNewGut Project is researching **how the human gut microbiota and its genome (microbiome) influence obesity, behavioural- and lifestyle-related disorders and vice versa.**
- It also aims to **identify specific dietary strategies to improve the long-term health** of the population.
- The MyNewGut Project brings together 30 partners from 15 countries from both EU and non-EU countries.
- Coordinator: **Dr. Yolanda Sanz of the Spanish National Research Council (CSIC)**

ICC Research Projects



“Well on Wheat,, Comparison of Ancient and Modern Wheat and effects of processing on composition and consumer wellbeing

- **Global research & communication project**
- **To find answers to questions that relate to social media fear making** that modern wheat makes you sick, unnecessarily resulting a decreased consumption of cereal products, especially wheat and gluten
- **State of the art analysis** of selected cereals as bread-wheat, spelt, emmer, durum (on proteins, carbohydrates, fibers, FODMaPs ...)
- **Compositional changes as result of food processing** e.g. for produced breads, pastas, breakfast cereals
- Initiator: **Dr. Fred Brouns, University of Maastricht, NL**

ICC Research Projects



“**MyToolBox**,, Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management

- **MyToolBox is a multi-actor partnership** (academia, farmers, technology SMEs, food industry and policy stakeholders) to develop novel interventions aimed at achieving a 20-90% reduction in crop losses due to fungal and mycotoxin contamination.
- MyToolBox will not only pursue a **field-to-fork approach** but will also consider safe use options of contaminated batches, such as the efficient production of biofuels.
- A major component of MyToolBox, which also distinguishes this project from previous efforts in the area of mycotoxin reduction, is to provide the recommended measures to the end users along the food and feed chain in a **web-based Toolbox**.
- Coordinator: **Dr. Rudi Krska, BOKU, AT**

ICC Standard Methods



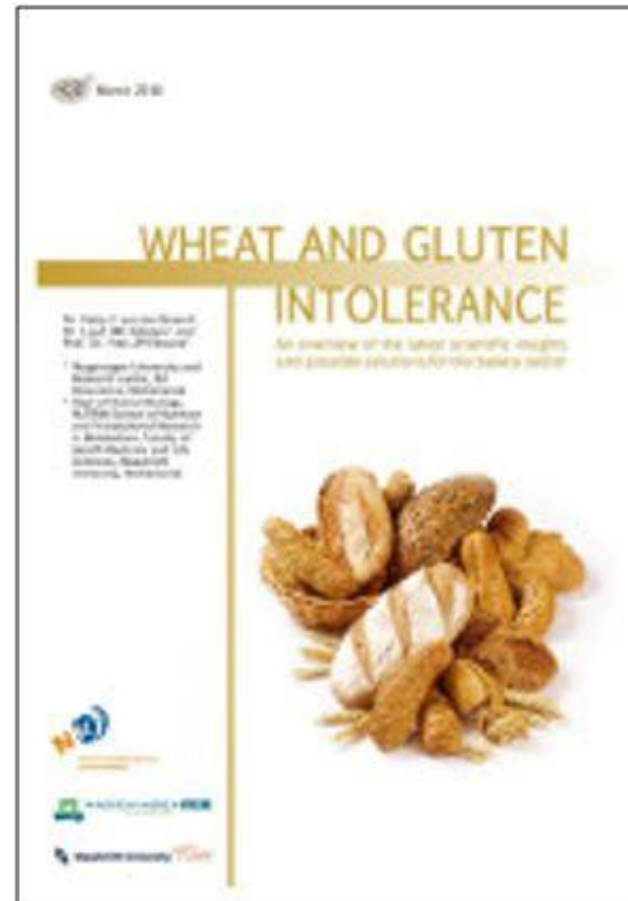
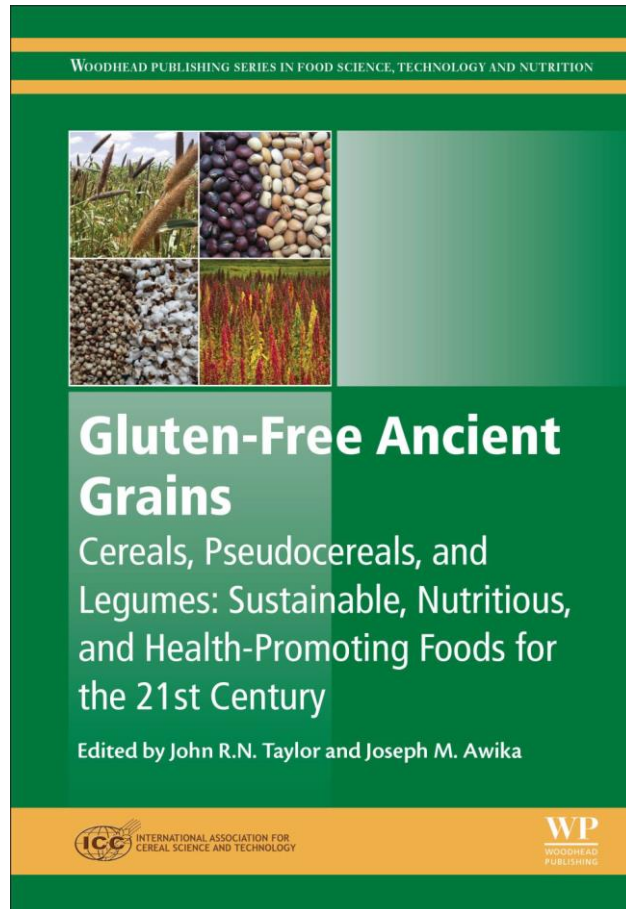
... Two new methods have been approved in 2017



- **No. 168** (as official ICC Standard)
"Measurement of Total Starch Content of Cereal Grains, Food and Feed Products using α -Amylase/Amyloglucosidase Method"
- **No. 185** (as ICC Draft Standard)
"Measurement of Total Dietary Fibre in Cereals, Ingredients and Food Products Using the Rapid Integrated TDF Procedure (RINTDF)"

ICC Publications

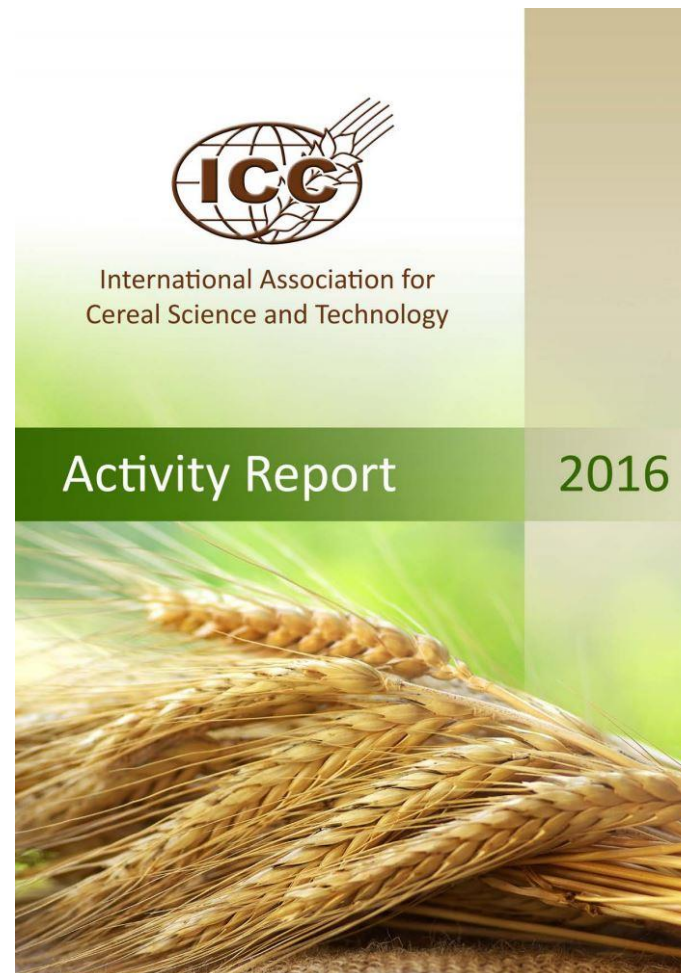
... to facilitate knowledge exchange



ICC Publication & Visibility Activities



... to inform about our activities



ICC Visibility Activities



... to better keep in touch with our members and stakeholders



ICC is now also present on facebook and LinkedIn.

We will continuously use social media as a platform to inform about ICC activities and to present news from our members and on cereals.

We invite our members to share with us related news to reach a broader community.

**Let's grow the cereals community - follow us
@ICCcereals, #ICCcereals, ICC**

Cereal Based Foods



Cereals and cereal products were among the most important foods for ancient civilizations.



İvriz Monument, photographed by K. SİNANOĞLU

Dr. Sachihiko Omura, Japanese Institute of Anatolian
Archaeology



Dr. Omura



*1500 BC Hittites

**Agricultural storage
pits (grain silos) at
Kaman-Kalehöyük**

Prof. Klaus Schmidt 1953-2014

Göbeklitepe 12000 years ago



Göbeklitepe - German Archaeological Institute (DAI)

Dr. Klaus Schmidt Göbekli Tepe German Archaeological Institute: DAI

The archaeological remains in Göbeklitepe date back to 10,000 BC.

Excavations led by Schmidt showed that archaeological remains in Göbeklitepe marked the change from the time of hunter-gatherers to a time of domestication of plants and animals. Cereals were the first plants domesticated here.



ICC Cooperation



... a network for joint efforts in the promotion of science and technology





Scientific committee



Hamit Köksel (Chair), ICC President/Hacettepe, Turkey

Carlos Guzmán, CIMMYT, Mexico

Joel Abecassis, INRA, France

Ismail Cakmak, Sabanci University, Turkey

Marina Carcea, CREA, Italy

Larisa Cato, AEGIC, Australia

Floyd Dowell, USDA, USA

Bin Xiao Fu, Canadian Grain Commission, Canada

Peter Koehler, Biotask AG, Germany

Ximena López, Granotec, Chile

Martha Z. De Miranda, Embrapa, Brazil

Martha Cuniberti, INTA, Argentina

Natalia Palacios, CIMMYT, Mexico

Juan de Dios Figueroa Cárdenas, Cinvestav, Mexico

Maria Papageorgiou, ATEITH, Greece

Wolfgang Pfeiffer, HarvestPlus, Colombia

Michaela Pichler, ICC, Austria

Christina M Rosell, IATA-CSIC, Spain

Regine Schoenlechner, BOKU, Austria

Sergio Serna, Tecnológico de Monterrey, Mexico

Jan Willem van der Kamp, TNO, The Netherlands

Luis Arturo Bello Pérez, IPN, Mexico

Daniel Vázquez, INIA, Uruguay

Fengcheng Wang, Henan University of Technology, China

Charles Brennan, Lincoln University, New Zealand

Koceva Komlenic Daliborka, University of Osijek, Croatia

Jan Delcour, KU University of Leuven, Belgium

Sun Hui, ASAG, China

Martin Scanlon, University of Manitoba, Canada



Organizing committee



Jennifer Nelson, *CIMMYT, Mexico*

Michaela Pichler (Chair), *ICC, Austria*

Karen Castro, *CIMMYT, Mexico*

Sabine Gratzer, *ICC, Austria*

Marcella Gross-Varga, *ICC, Austria*

Carlos Guzmán, *CIMMYT, Mexico*

Hamit Köksel, *ICC President/Hacettepe University*

Think Cereals – Think ICC



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Sponsors



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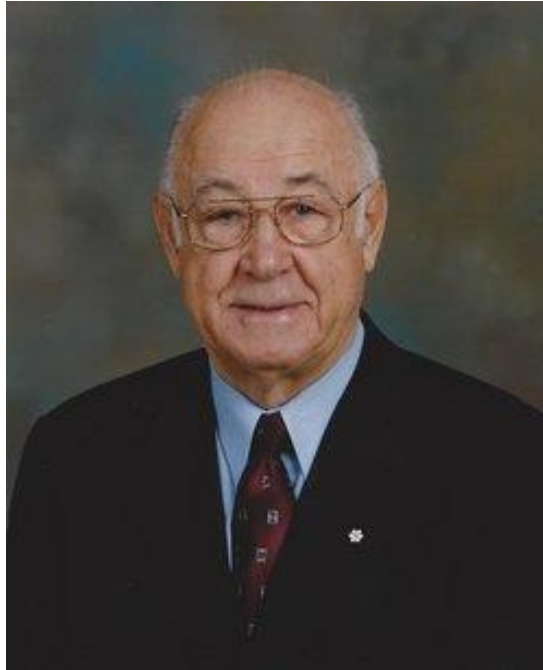


RESEARCH
PROGRAM ON
Wheat





Our Significant Losses



Professor Walter Bushuk
University of Manitoba
Winnipeg, Manitoba,
CANADA



Professor Radomir Lászlity
Budapest University of Technology
and Economics, Budapest,
HUNGARY



Opening Session – Plenary Speakers



- **Dr. Martin Kropff** (CIMMYT, MX) Global food security and role of CIMMYT.
- **Dr. James D. House** (U of Manitoba, CA) The power of pulses: Capturing new opportunities for pulse proteins through innovations along the value chain.
- **Dr. Jozef L. Kokini** (Purdue University, USA) Restructuring and functionalization of cereal food materials for food and non-food applications using food processing and nanotechnology.



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ICC & CIMMYT

Wish you a wonderful time at the LACC4