

# Activity Report

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## 2018



**INTERNATIONAL ASSOCIATION FOR  
CEREAL SCIENCE AND TECHNOLOGY**

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# Foreword

Hamit Köksel, ICC President 2017-2018



Dear friends and colleagues,

Serving ICC as the President in 2017 and 2018 has been a significant experience for my professional life. During these years, ICC has continued stable growth with the support of its members. I take this opportunity to thank all our members. Special thanks should go to the fantastic ICC team at the Headquarters. I would also like to congratulate Jan Delcour as the incoming ICC President Elect. ICC is looking forward to new accomplishments in the years to follow.

With its strong country membership base, ICC provides unique opportunities for cereal scientists and technologists around the world, whether in industry, research or academia, to collaborate in developing new knowledge on cereal grains and their products, and the methods used in their evaluation.

The nature of the international cereals business is changing and as it does so ICC will change with it by blending its traditional membership offerings with new services and products. A key means by which its objectives are achieved has been and continues to be through the organisation and promotion of conferences, symposia, workshops and working parties, all of which bring the international ICC “family” closer together.

The role of cereals and pulses for feeding the world is more important than ever. By courageously raising awareness based on the scientific facts, ICC family can help bringing world hunger to an end. If we work together as the ICC family with our members around the globe, we can make a significant difference and help build a better world for all.



**Hamit Köksel**  
ICC President

# Foreword

Michaela Pichler, ICC Secretary General / CEO



Dear all,

Looking back at 2018 I am proud to be part of the unique platform for international exchange that ICC is!

Promoting personal contacts and trusted collaboration among cereal scientists and technologists is a key priority in ICC's activities. Live and personal interaction still is the best means to create long-lasting and trusted relationships and thus we are pleased to be an organiser of multidisciplinary events focussed on certain topics or regions.

In 2018 there were several opportunities to network - two examples of which are DF18 and LACC4. The high participation of dietary fibre experts at DF18 from around the globe shows the high relevance of dietary fibre in industry and health! Reaching out to the regional participants during the ICC Latin American Conference in Mexico City was also appreciated as new contacts and ties could be established. Thanks to all sponsors, exhibitors and poster presenters at our conferences in 2018 for adding to the value of these events!

In 2018 ICC also expanded its field of activities within the activities of the Whole Grain Initiative. The Whole Grain Initiative that arose from the 6th Whole Grain Summit aims to increase the consumption of whole grains. To reach its goals a multidisciplinary approach is needed. The network which is coordinated by ICC is now growing and is open for interested stakeholders to join!

With continuation of established as well as creation of new activities I look forward to pursuing the development of links within the worldwide cereals and grains community. I sincerely thank all people involved and look forward to future activities within the "ICC family".



**Michaela Pichler**

ICC Secretary General / CEO



"Food quality, safety and security for the health and well-being of all people."

ICC is an international network of cereal scientists and technologists from around the globe. The International Association for Cereal Science and Technology was founded in 1955 on the occasion of the 3<sup>rd</sup> International Bread Congress in Hamburg, Germany as "International Association for Cereal Chemistry" (ICC). Today ICC is one of the foremost international organisations in our field dedicated to international cooperation, the dissemination of knowledge, and the improvement in safety and quality of cereal-based foods. The Association has its headquarters in Vienna, Austria with members represented from all five continents.

ICC addresses issues that contribute to improved food quality, food safety and food security. With experts and scientists specializing in the milling of wheat and other cereals, bread making, and the production of other cereal-based foods from around the world ICC is:

- an independent, internationally recognised association
- an apolitical forum for all cereal scientists and technologists
- a publisher of international standard methods and scientific updates
- an organiser of major national and international events in the field
- a promoter of international cooperation on a global, regional and national level
- a significant player in the coordination and participation in international research projects.

***"ICC is an international association committed to cooperation in the field of cereal science and technology."***

# ICC Mission Statement

What is ICC?



## What is ICC's mission?

"ICC 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."

## How is ICC involved in cereal science and technology?

- By organising international events on trending topics in the field
- By involvement in international research projects and networks
- By validating and standardising test methods
- By expanding and improving the efficient utilisation of cereals
- By promoting domestic and international trade
- By cooperating with other international organisations
- By supporting young cereal and food scientists and continuous professional development



# ICC Overview

## Structure and Governance



ICC is a membership-based organisation who has its headquarters and the General Secretariat located in Vienna, Austria. The composition and activities of the ICC are recorded in its [Statutes](#).

As a fully democratic organization, the main body of the ICC is the **General Assembly** which is composed of all Member Country and Institutional Representatives as well as representatives of Corporate, Individual and Honorary Members and chaired by the President, President Elect or Past President. This representative body physically meets every two years and has the following tasks: admission of new ICC members as well as termination of membership, appointment of the President Elect, elect the Auditors of the Association, approval of the statement of annual accounts, determination of membership fees and approval of relevant budget, adoption of (draft) standard methods and other documents, amendment of the Statutes.

The General Assembly elects also the members of the **Executive Committee** which is more closely involved with the practicalities of the Association and develops recommendations on ICC activities. The Executive Committee consists of up to twenty-four members which are usually elected for a six-year term. It appoints also the **Secretary General**, who is leading the ICC Headquarters, as well as the Technical Director and sets up Working Groups.

The activities of the association are managed and coordinated by the Association's Headquarters. The **Governing Committee**, which consists of the Past President (as Chair), the President, President Elect, Honorary Presidents and several invited persons, advises the Executive Committee on financial, staffing and resourcing matters.

The **Technical Committee** oversees the development and standardization of existing and new methods.

Please find below the structure as of 2018.

### ICC - Executive Committee

**In 2018 the ICC Executive Committee comprises:**

- The President: Dr. Hamit KÖKSEL, Turkey
- The President Elect: Dr. Charles BRENNAN, New Zealand
- The Past President: Dr. Fengcheng WANG, China
- The Technical Director: Eng. Amine JBEILY, Lebanon

- The members elected by the General Assembly:

Dr. Dhan BHANDARI, United Kingdom  
 Dr. Martha CUNIBERTI, Argentina  
 Dr. Wenping DING, China  
 Dr. Floyd DOWELL, USA  
 Dr. Ximena LOPEZ, Chile  
 Dr. Regine SCHOENLECHNER, Austria  
 Dr. Awad SOKRAB, Sudan  
 Dr. Bin XIAO FU, Canada  
 Drs. Jan Willem VAN DER KAMP, The Netherlands

- Institutional Member Representatives:

Dr. Maria PAPAGEORGIOU, Greece  
 Dr. Rachel HSU, Chinese Taipei

- Corporate Member Representatives:

Dr. Arnaud DUBAT, France  
 Dr. Markus LÖNS, Germany

- The Ex officio member:

MSc. Michaela PICHLER, Austria

## ICC - Governing Committee

### **In 2018 the ICC Governing Committee comprises**

- The President
- The President Elect
- The Immediate Past President
- The Honorary Presidents
- Invited persons:  
 Eng. Amine JBEILY, Lebanon  
 Prof. Dr. Meinolf G. LINDHAUER, Germany  
 Dr. Floyd DOWELL, USA
- The Ex officio member:  
 MSc. Michaela PICHLER, Austria



## ICC - Technical Committee

### The ICC Technical Committee comprises

- The Technical Director or in his absence the President Elect
- The Technical Co-Director
- The Chairs of the Working Groups
- The Technical Committee Members:

Dr. Mustafa ABDELMONIM, Sudan  
Dr. Paul ARMSTRONG, USA  
Dr. Charles BRENNAN, New Zealand  
Dr. Wenping DING, China  
Mr. Andreas DOSSENBACH, Switzerland  
Dr. Floyd DOWELL, USA  
Dr. Bin Xiao FU, Canada  
Mrs. Alexandra HUESKEN, Germany  
Prof. Grazina JUODEIKIENE, Lithuania  
Dr. Rachel HSU, Chinese Taipei  
Prof. Hamit KÖKSEL, Turkey  
DI Christian KUMMER, Austria

Dr. Leticia R. MIR, Argentina  
Dr. Dubravka NOVOTNI, Croatia  
Dr. Maria PAPAGEORGIOU, Greece  
Dr. Gabriela PÉREZ, Argentina  
Dr. Johan J. PLIJTER, The Netherlands  
Dr. Elisabeth REITER, Austria  
Mrs. Marie-Francoise SAMSON, France  
Dr. Elisabeth SCIURBA, Germany  
Prof. Hui SUN, China  
Dr. Fengcheng WANG, China  
Dr. Florian WIDMER, Switzerland  
Dr. Zeliha YILDIRIM, Turkey

- Technical Committee Advisors:

Mr. Zeki DEMIRTASOGLU, Turkey  
Ing. Arnaud DUBAT, France  
Mr. Sergej GALL, Germany  
Dr. Martin HALLIN, Sweden  
Dr. Markus LACORN, Germany  
DI Alfred MAR, Austria  
Dr. Barry McCLEARY, Ireland  
Mr. Darren ROBEY, Denmark

- The Ex officio member:

MSc. Michaela PICHLER, Austria

**ICC thanks all ICC Officials and Committee Members who served the Association in 2018!**

# Who We Are

Officers of the Association 2017-18



President:

**Hamit Köksel**, Hacettepe University, Turkey



President Elect:

**Charles Brennan**, Lincoln University, New Zealand



Past President:

**Fengcheng Wang**, Henan University of Technology, China



Secretary General/CEO:

**Michaela Pichler**, Austria



Technical Director:

**Amine Jbeily**, Industrial Research Institute, Lebanon



Technical Co-Director and Auditor:

**Meinolf Lindhauer**, former MRI, Germany



Auditor:

**Alfred Mar**, ICC Austria, Austria

# Who We Are

## ICC Headquarters



### Michaela Pichler

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# Who Can Join?

## ICC Membership



### Country Membership

**ICC Country Membership** is the highest level of affiliation within ICC. It is the primary means of influencing the association's activities and priorities and of directly benefiting from these outputs. Depending on country population there are three categories of country membership.



### Institutional Membership

**ICC Institutional Membership** is designed to mainly meet the industry/trade associations, policy makers, (inter)national consortia working in the food and feed sector, research institutions, universities, publishers etc.



### Corporate Membership

**ICC Corporate Membership** is an opportunity for companies, institutions, corporations and groups, to achieve a closer connection to the worldwide platform of cereal science and technology.



### Individual Membership

**ICC Individual membership** is open for any natural person wishing to promote and contribute to the aims and activities of the Association. Individual membership also includes a vote in the General Assembly via an elected representative.



### Student Membership

**ICC Student membership** is open for any student wishing to promote and contribute to the aims and activities of the Association. Students can benefit from a global network and present their work. Student membership also includes a vote in the General Assembly via an elected representative.



# ICC Standard Methods

Facilitation of knowledge exchange



For over 50 years ICC has validated and published analytical standard methods applied in safety and quality assessment of cereals and crops, cereal based products, foods and feeds. Validated methods are published in the ICC Standards Collection. ICC Standard Methods serve international trade, national and international legislation, industry standards such as ISO and CEN, and as guidelines for food manufacturers and control laboratories. Furthermore, ICC serves as an independent expert consultant and/or observer to several world and international bodies including the European Committee for Standardisation (CEN), Food and Agriculture Organisation (FAO), International Standards Association (ISO), International Seed Testing Association (ISTA) and United Nations Industrial Development Organisation (UNIDO). In addition, ICC has closed formal collaboration agreements with associations in similar and related disciplines including AACC International. ICC methods have been adopted by other leading SDOs (International Standardisation Organisations) such as ISO and CEN, where ICC's specialized focus on cereal-related methods is recognized.

## **Approved ICC Standard in 2018:**

[ICC Standard No. 101/2](#) "Sampling of Cereal Grains" which is a revised edition and replaces the previous Standard No. 101/1.



# ICC Co-operations

International Research and Development



**MyNewGut** – “Microbiome influence on energy balance and brain development-function put into action to tackle diet-related diseases and behaviour”. After five years of investigation, the EU-funded project ‘MyNewGut’, comprising thirty organisations from fifteen countries, has released its scientific results on December 2018 on the role played by the gut microbiota on physical and mental health. The project researched how the human gut microbiome influences obesity, behavioural- and lifestyle-related disorders and vice versa. ICC has been task leader in WP11 and will have been involved in the organisation of targeted public health workshops and in the dissemination of project results (WP12). Project website: <http://www.mynewgut.eu>



**MyToolBox** - "The smart way to tackle mycotoxins" The project mobilises 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. ICC is work package leader of WP5 - *Exploitation, Dissemination and Communication* - responsible for disseminating information about the project and its results to the stakeholders along the food supply chain; facilitating collaboration, information exchange and interaction between different actors and organisations involved in the control and management of mycotoxins; developing exploitation plans including a business model; and ensuring a sustainable dialogue with China.

Project website: <https://www.mytoolbox.eu>



**Well on Wheat?** – This project is an international research project addressing the health aspects wheat consumption and aspects of wheat and gluten avoidance. ‘Well on Wheat?’ aims to obtain a full compositional picture of selected wheat types, the flours and doughs made thereof, the

bread baked. As such, the changes in chemical composition of different wheat species and compositional changes that may occur as a result of food processing (milling, yeast/sourdough fermentation, baking) will be evaluated. A detailed insight in the effects of food processing will help make recommendations for future product development in the context of “good food for a healthy life”. Such recommendations should be transparent, practically relevant and industrially, thus economically feasible. Project website: <http://www.wellonwheat.org>

**Over the years ICC has built strong ties with other affiliated groups in the promotion of science and technology. ICC joins efforts with networks with mutual aims and goals.**

**FOODSECURITY.at** Foodsecurity.at is a network composed of four Austrian institutions working in the whole field of Food Security. ICC facilitates the international integration of the planned activities of the network: <https://www.foodsecurity.at>



HEALTHGRAIN FORUM

**HEALTHGRAIN Forum** was established as an international association and a follow-up to the EU 6<sup>th</sup> Framework Programme Integrated Project HEALTHGRAIN - "Exploiting Bioactivity of European Cereal Grains for Improved Nutrition and Health Benefits". Its mission is to promote science-based concepts fully unlocking the health promoting potential in the entire grain food production chain to obtain healthy, convenient and appealing foods. ICC provides support and expertise to the association, as well as the financial administration: <http://www.healthgrain.org>



**ICC Austria** represents the aims and goals of ICC to Austrian stakeholders and collaborates with other organisations in the German-speaking community: <https://www.icc-austria.or.at>



**ISEKI-Food Association** started its activities as a network after the ISEKI\_FOOD\_4 project in October 2011. The project was aimed to develop a framework of stakeholders to lead innovation in food studies education & training tailored to the needs of the industry, promote innovation in the FS&T academic sector and support internationalization of EU Food studies. ICC is involved by supporting different events and projects: <https://www.iseki-food.net>

# ICC Events

Events 2018



ICC is a renowned organiser and endorser of national and international Events.

Find more information about our past and future events on our webpage: [www.icc.or.at](http://www.icc.or.at)



**LACC 4 – 4<sup>th</sup> Latin  
America Cereals  
Conference**

**ICC  
2018  
11 - 14 March**



**World Mill Tech Expo**

**Endorsed by ICC  
2018  
29 March – 1 April**



**7<sup>th</sup> International  
Dietary Fibre  
Conference**

**ICC  
2018  
4 – 6 June**



**ICC International  
Conference "Grains  
for Wellbeing"**

**ICC  
2018  
5 - 8 November**





# ICC Events

Events 2018



## 4<sup>TH</sup> ICC LATIN AMERICAN CEREALS CONFERENCE 2018

11-14 March 2018, Mexico City, Mexico

Thanks to all sponsors, exhibitors and poster presenters of #LACC18 for adding to the value of this event in the ample networking opportunities! Exchanging and interacting in person brings around 300 experts together from around the globe! Conference website: <https://cereals2018.cimmyt.org/>



# ICC Events

Events 2018



## 7<sup>TH</sup> INTERNATIONAL DIETARY FIBRE CONFERENCE

4-6 June 2018, Rotterdam, The Netherlands

DF18 in a nutshell: 268 participants, 34 countries, 9 sessions, 49 oral presentations, 86 poster presentations. The 7th International Dietary Fibre Conference kicked off with opening keynote talks by Louise Dye on increasing dietary consumption, Karen Madsen on the role of fibre in modulating gut permeability and immune health as well as Natalie Delzenne on gut microbiology related recommendations and Susan Tosh on diet diversity. The high participation of dietary fibre experts from around the globe shows the high relevance of dietary fibre in industry and health! A plenary discussion on dietary fibre labelling, a very lively poster exhibition followed by a networking welcome reception sponsored by CCC and TiFN rounded off the first day of DF18!

Two sponsored best poster awards were granted to young scientists at DF18. Congratulations to the proud winners: Madis Jaagura from the Tallinn University of Technology and Victor Castro-Alves from the University of São Paulo. The plenary room was full till the very end and participants benefited from various rounds of discussion such as with Paula Trumbo from FDA and discussion on labelling. The final panel discussion concluded this event and some hot topics were: how to communicate better the health benefits of dietary fibres?; How can "fake news" on carbs be countered? Should there be a higher recommendation on dietary fibre intake - should it be 50g/day?

Thanks to all participants, sponsors and endorsers for making DF18 the great event it was!

Conference website: <http://www.dietaryfibre.org/en/>



# ICC Events

Events 2018



## ICC INTERNATIONAL CONFERENCE “GRAINS FOR WELLBEING”

5-8 November 2018, Taipei, Chinese Taipei

More than 200 delegates from 15 countries, 5 continents got together in Howard International House to discuss how to promote the human wellbeing from grains. This 2-day symposium was dedicated to food scientists, dieticians, nutrition researchers, regulatory agency, processors, market channels and interested consumers, to discuss the opportunities and challenges facing the grain industry. Conference website: <http://www.grainsforwellbeing.org/en/>





# ICC Events

Outlook 2019/20



**19<sup>th</sup> ICC Conference  
"Science Meets  
Technology"**

**ICC  
2019  
24 – 25 April**



**10<sup>th</sup> International and  
12<sup>th</sup> Croatian  
Congress of Cereal  
Technologists „Flour-  
Bread '19“**

**Endorsed by ICC  
2019  
11 - 14 June**



**5<sup>th</sup> International  
Symposium on  
Gluten-Free Cereal  
Products & Beverages**

**ICC  
2019  
26 - 28 June**



**2<sup>nd</sup> Asia-Pacific Grains  
Conference**

**ICC  
2019  
7 - 9 November**



**16<sup>th</sup> ICC Cereal and  
Bread Congress**

**ICC  
2020  
15 - 17 April**



**7<sup>th</sup> Whole Grain  
Summit**

**ICC  
2020  
16 - 18 November**

