# Acetic Acid Bacteria



Córdoba, SPAIN 17-20 April, 2012

AAB 2012



# **PRESENTATION**

Dear Colleagues,

The use of acetic acid bacteria (AAB) in foods, beverages and some industrial chemicals production as well as their potential for many new applications make them very important not only for modern industrial societies but for many ones in the developing world. Additionally, their special type of metabolism and the difficulties for unravelling their basic scientific aspects have become a challenge for many researchers throughout the world.

In 2005, Prof. Paolo Giudici chaired the "Vinegar and Acetic Bacteria. International Symposium" first meeting devoted to acetic acid bacteria with special interest in vinegar, traditionally, their most important product. Subsequently, in 2008, Prof. Kazunobu Matsushita had the responsibility of organizing the "Second International Conference on Acetic Acid Bacteria". Parallel specific conferences on vinegar research, fostered by The Vinegar Research Network ("Primeras Jornadas de I+d+I en la Elaboración de Vinagres de Vino" and "Second Symposium on Research+Development+Innovation for Vinegar Production") were held in Spain during 2003 and 2006 chaired by Prof. Albert Mas and Prof. Isidoro García in Tarragona and Cordoba respectively.

The upcoming meeting: "Third International Conference on Acetic Acid Bacteria. Vinegar and Other products", will be held in Cordoba, Spain, during April 17-20, 2012. As responsible of this meeting as well as of the Network which promoted the aforementioned specific vinegar symposia, I suggest, for many reasons, from now on to combine both scientific conferences. So, the main objective of this Conference is to provide scientists, engineers, companies and any others interested in a platform for presenting latest research results, interchange and discussion of ideas, to establish new contacts and collaborations and exploring the development of new processes based on the capabilities of these bacteria.

The Organizing and Scientific Committees have tried to prepare a scientific program in order to organize and make easier the presentation of the main state-of-the-art scientific achievements regarding these microorganisms. The Conference will address the full spectrum of basic and applied research topics, including current trends and future applications.

The Conference will be organized as the previous ones offering sessions for standard contributions, both oral and posters. The sessions should enable the delegates to attend also the presentations which are close to their speciality but outside their everyday interest.

The official conference language will be English, no simultaneous translation will be available to any other language.

Please, follow in the site (http://www.uco.es/aab2012/) many other details about our Conference and do not hesitate in contact us regarding any issue you consider important.

Finally, we are very pleased to invite you to join us in Cordoba at the spring of 2012 and participate in the "Third International Conference on Acetic Acid Bacteria. Vinegar and other products". We believe firmly that it will be a fruitful experience from many points of view and keep you in a very active and multidisciplinary field.

We look forward to seeing you in Cordoba in April of 2012.

Isidoro García García. Chairman

Acetic Acid Bacteria
Vinegar and other products



# COMMITTEES

**Conference Chair** 

Isidoro García-García

**Organizing Committee** 

M. Carmen Millán-Pérez José L. Bonilla-Venceslada Jorge E. Jiménez-Hornero Carmen Álvarez-Cáliz Teresa García-Martínez

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University of Córdoba, Spain

University of Córdoba, Spain

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Conference Secretariat. University of Córdoba, Spain

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Luc De Vuyst

Mª Carmen García-Parrilla

Paolo Giudici

Ramón Natera-Marín

Raúl O. Pedraza

**Uwe Deppenmeier** 

Rovira i Virgili University, Spain

National Centre of Food Technology and Safety, Spain The University of Manchester,

UK

University of Cádiz, Spain

National University of Mexico,

Mexico

The Australian Wine Research

Institute, Australia

Rovira i Virgili University, Spain

Heinrich Frings GmbH & Co. KG,

Germany

Huazhong Agricultural University,

China

Kasetsart University, Thailand University of the Ryukyus, Japan

University of Cordoba, Spain

Institute for Fishing and Agrarian Research and Formation, Spain

University of Chile, Chile

Institute of Agrochemisty and

Food Technology, Spain

University of La Rioja, Spain

University of Córdoba, Spain

Yamaguchi University, Japan

Vrije University Brussel, Belgium

University of Sevilla, Spain

University of Reggio Emilia, Italy University of Cádiz, Spain

National University of Tucumán,

Argentina

University of Bonn, Germany





# **SCIENTIFIC PROGRAM**

**SESSION I.** Why do we care about Acetic Acid bacteria?

History. Traditional vinegar. Food and Health.

**SESSION II.** What are they?

Taxonomy and Phylogenesis.

Ecological aspects (natural occurrence of AAB; Biodiversity).

**SESSION III.** How do they work?

**Session III.A** 

Genetics and Molecular Biology.

**Session III.B** 

Biochemistry and Physiology.

**SESSION IV.** What can we do with them?

Biotechnological applications. Bioengineering aspects.

New products.

**SESSION V.** How do we know what they are up to?

Measurement techniques. Biosensors.

Quality control. Other aspects.

# Acetic Acid Bacteria Vinegar and other products

## **VENUE**

The Main University building provides a wide range of facilities and services for an event like this one. So, it is an ideal place to hold the Conference venue.

It is conveniently situated, close to the historical quarter, the centre of the city and several excellent hotels.

### Address:

Avd. Medina Azahara, 5 14071 Córdoba Latitude: +37.884856° Longitude: -4.788516°



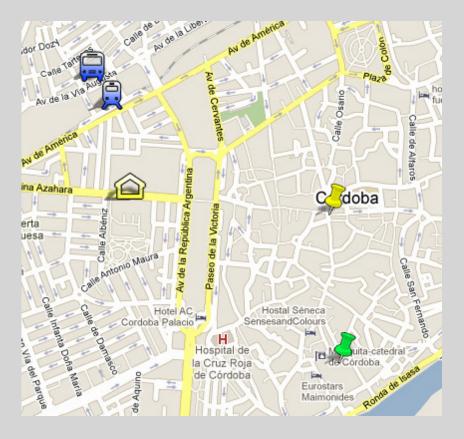
Please, see the location in the map.

In your web browser: <a href="http://goo.gl/maps/BciV">http://goo.gl/maps/BciV</a>





University





# **GETTING THERE**

Unfortunately regular flights are not available in the Cordoba airport. Nevertheless, airports such as those Malaga, Madrid and Sevilla are not far away.



# By train (high-speed train):

From Malaga: AVE or AVANT. Travel Time: 1 hour From Madrid: AVE. Travel time: 1 hour 40 minutes From Seville: AVE or AVANT. Travel time: 45 minutes

## By car (highways):

From Malaga: A-45. 160 kilometres. Travel time: 2 hours From Madrid: N-IV. 348 kilometres. Travel time: 3 ½ hours From Seville: N-IV. 140 kilometres. Travel time: 1 hour 15 minutes

# By coach:

Several companies operate trips to Córdoba:

From Madrid:

Socibus Sercobus

http://www.socibus.es/index.jsp Phone: (+34) 902 22 92 92 Email: socibus@socibus.es

From Málaga or Sevilla:

Alsa

http://www.alsa.es/portal/site/Alsa/

Customer Service: (+34) 91 327 05 40 (8:00 h - 24:00 h)

# Acetic Acid Bacteria Vinegar and other products



# **CÓRDOBA-WORLD HERITAGE (Unesco, 1984)**

One of the most attractive places to visit in Spain.

Acetic Acid Bacteria
Vinegar and other products













**TO DISCOVER CORDOBA**, please visit the site: http://english.turismodecordoba.org

AAB 2012

University of Cordoba 17-20 April, 2012. Córdoba, SP

# id Bacteria other products

# **SPONSORSHIP**

Be part of the 3<sup>rd</sup> International Conference on Acetic Acid Bacteria. Vinegar and other products.

The AAB2012 provides an opportunity for many companies and institutions to gain exposure to new potential markets and/or having their brand name and logo seen by many key individuals. Take advantage of this opportunity: contact the Organization.

## **Sponsors:**



**Spanish Ministry of Science and Innovation** 



**University of Cordoba** 

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# **ADDITIONAL INFORMATION**

On Deadlines, Registration, Contributions and Accommodation will be given on due time. Please keep on visiting the website.

THERE IS ONE YEAR TO GO TILL THE CONFERENCE, SO WE HOPE TO SEE YOU VERY SOON!

# AAB 201



# **Please**

Feel free to forward this announcement to anyone who you consider could be interested in attending AAB 2012.

If you no longer wish to be in our emailing list, please send an email to <a href="mailto-aab2012@uco.es">aab2012@uco.es</a>