

11th International Hydrocolloids Conference

Biofunctionality and
Technofunctionality of Hydrocolloids

Delegate Program Booklet

Stewart Center, Purdue University, USA

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WHISTLER CENTER
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11th International Hydrocolloids Conference

Biofunctionality and Technofunctionality of Hydrocolloids

14-18 May 2012 Whistler Center for Carbohydrate Research, Purdue University, USA



Program Overview

Monday 14th May 2012				
5:00 – 7:00 pm	Registration Desk Opens			
6:00 - 8:00 pm	Welcome Drinks Reception – PMU South Ballroom			
Tuesday 15th May 2012				
Plenary Session 1: Loeb Playhouse Theatre				
8:30 – 10:30 am	Opening Remarks, Belfort Lecture and PLS1 - Loeb Playhouse Theatre			
10:30 – 11:00 am	Coffee Break – Room 302/306			
11:05 – 12:25 am	Plenary Session 1 - Loeb Playhouse Theatre			
12:30 – 1:30 pm	Lunch Break – PMU South Ballroom			
1:30 – 3:30 pm	Breakout 1A – Room 310	Breakout 1B – Room 311	Breakout 1C – Room 314	Breakout 1D – Room 322
3:30 – 6:00 pm	Coffee Break & Poster Viewing Session (Refreshments will be served until 4:20pm) PMU South Ballroom			
Wednesday 16th May 2012				
Plenary Session 2: Loeb Playhouse Theatre				
8:30 – 10:00 am	Plenary Session 2: Loeb Playhouse Theatre			
10:00 – 10:30 am	Coffee Break – Room 302/306			
10:30 – 12:30 pm	Breakout 2A – Room 310	Breakout 2B - Room 311	Breakout 2C - Room 314	Breakout 2D - Room 322
12:30 – 1:30 pm	Lunch - PMU South Ballroom & Author Workshop - Room 310			
1:30 - 3:10 pm	Breakout 3A - Room 310	Breakout 3B - Room 311	Breakout 3C - Room 314	Breakout 3D - Room 322
3:10 – 3:40 pm	Coffee Break – Room 302/306			
3:40 - 5:20 pm	Breakout 4A - Room 310	Breakout 4B - Room 311	Breakout 4C - Room 314	Breakout 4D - Room 322
Thursday 17th May 2012				
Plenary Session 3: Loeb Playhouse Theatre				
8:30 – 9:50 am	Plenary Session 3: Loeb Playhouse Theatre			
9:50 – 10:20 am	Coffee Break – Room 302/306			
10:20 - 12:00 pm	Breakout 5A - Room 310	Breakout 5B - Room 311	Breakout 5C - Room 314	Breakout 5D - Room 322
12:00 – 1:30 pm	Lunch – PMU South Ballroom			
1:30 - 3:10 pm	Breakout 6A - Room 310	Breakout 6B - Room 311	Breakout 6C - Room 314	Breakout 6D - Room 322
3:10 – 3:40 pm	Coffee Break – Room 302/306			
3:40 - 5:00 pm	Breakout 7A - Room 310	Breakout 7B - Room 311	Breakout 7C - Room 314	Breakout 7D - Room 322
6:30 pm	Gala Dinner (optional – tickets can be purchased) PMU South Ballroom			
Friday 18th May 2012				
8:30 – 10:10 am	Special Plenary Session 4: Bioactive Polysaccharides Loeb Playhouse Theatre			
10:10 – 10:40 am	Coffee Break – Room 302/306			
10:40 – 11:40 pm	Round table session - new developments and trends of bioactive polysaccharides and dietary fiber – S. Cui and B. Hamaker. Loeb Playhouse Theatre			
11:40 – 11:55 pm	Introduction new Elsevier journal –Bioactive Carbohydrates and Dietary Fiber – S. Cui. Loeb Playhouse Theatre			
11:55 – 12:15 pm	Closing Remarks - Loeb Playhouse Theatre			
12:15 pm	End of Conference			

Characterization and evaluation of functional properties from giant squid *Dosidicus gigas* proteins concentrate powder
A. Solari Godiño, *Instituto Tecnológico Pesquero del Perú, Peru*

[P58]

Investigations on the chitosan behaviour in food model systems containing organic acids: A possible new application as food thickening?

M.L. Amorim, R.L. De Oliveira, E.C. Cal, A.M. Ramos, J.S.R. Coimbra, E.B. Oliveira*, *Universidade Federal de Viçosa, Brazil*

[P88]

Synthesis of new nanoparticles formed by β -lactoglobulin and α -Lactalbumin and their morphological characterization
J.R. Lopes¹, J.S.R. Coimbra¹, R.G. Bitencourt¹, A.V.N.C. Teixeira¹, R.C.S. Souza¹, E.B. De Oliveira*^{1,2}, *State University of South-West Bahia, Brazil, ²Federal University of Viçosa, Brazil*

[P114]

Delivery of diclofenac potassium in matrix type of transdermal films using novel *trigonella foenum graecum* as film forming polymer

G. Kuppusamy, S. Sood*, K. Jain, E. Kannan, and S. Bhojraj, *J.S.S. University, India*

Poster Program Amendments:

Please note additional poster:

[P117]

Characterization and prebiotic activity of an arabinogalactan isolated from *Anoectochilus formosanus*
L.C. Yang¹, W.C. Lin², T.J. Lu*¹, *¹National Taiwan University, Taiwan, ²China Medical University, Taiwan*

This study investigated the calcium absorption and proliferation of *Bifidobacteria* in intestine in young rats from a standardized aqueous extract of *Anoectochilus formosanus* (SAEAF), which have been considered for use as supplement for stunted growth of children. After 4 weeks of oral administration to young rats, SAEAF caused a decrease in cecum pH and increase of calcium absorption and the population of fecal *Bifidobacteria* flora. These changes indicated that SAEAF contains a prebiotic substance. Polysaccharide (AFP) was proved to be the active fraction through a bioactivity-guide separation strategy. Chemical analysis showed that AFP is a type-II arabinogalactan, with an average molecular weight of approximately 29 kDa. *In vitro* and *in vivo* studies also confirmed that AFP possesses a bifidogenic effect. In conclusion, type-II arabinogalactan, present in SAEAF is a prebiotic, which produces an improvement in the calcium absorption of growing rats.

[P118]

Conformation studies of novel water soluble polysaccharides from *Gigantochloa levis*
F. Aida*^{1,2}, M. Shuhaimi², M. Dzulkifly², M. Yazid², *¹Universiti Teknologi, Malaysia, ²Universiti Putra Malaysia, Malaysia*
Please refer to [OB29] on the conference CD in order to view the abstract

Please note change in presenting author:

[P76]

Imaging mesquite gum (*prosopis velutina*) langmuir-blodgett films by atomic force microscopy
K. Martínez-Robinson, *CIAD, Mexico*

[P82]

Water extractable arabinoxylan aerogels
K. Martinez-Robinson, *CIAD, Mexico*

[P83]

Arabinoxylan gels as delivery devices of proteins: Defining mass ratio compatibility by confocal laser scanning microscopy
C. Berlanga-Reyes¹, E. Carvajal-Millan¹, K. Hicks², M. Yadav², A. Rascon-Chu¹, J. Lizardi-Mendoza¹, A. L. Martinez-Lopez^{1*}, J. Escalante¹ et al, *¹CIAD, Mexico, ²USDA, USA*

Please ignore the previous message. This is the final decision on the abstract. I apologize for any inconvenience this might cause.

Abstract Reference Number: 218

07 February 2012

Dear T-J. Lu,

11th International Hydrocolloids Conference
Biofunctionality and Technofunctionality of Hydrocolloids
14th – 18th May 2012
The Stewart Center, Purdue University, Indiana

Thank you for submitting an abstract to present at the 11th International Hydrocolloids Conference. On behalf of the Conference Committee, I am delighted to inform you that your abstract entitled '**Characterization and prebiotic activity of an arabinogalactan isolated from *Anoectochilus formosanus***', has been accepted for **poster presentation**. Abstracts of an extremely high standard as well as a high number of total abstracts (over 300 in total) have been submitted for the conference and we believe we have selected an excellent mix of abstracts to address the conference themes. Therefore I congratulate you on being accepted to present at this prestigious conference. We very much look forward to welcoming you to Purdue University to present your abstract.

Your poster presentation has been scheduled as follows:

Title:	Characterization and prebiotic activity of an arabinogalactan isolated from <i>Anoectochilus formosanus</i>
Authors:	L-C. Yang, W-C. Lin, T-J. Lu
Date:	Tuesday 15 th May 2012
Presentation Start Time:	3:50pm

Presenting Author: T-J. Lu

Please check the above details of your presentation carefully as all conference material will be printed with this information, the name with the * indicates the presenting author. If there are any corrections please inform us as soon as possible by email to: content-hydrocolloids12@elsevier.com

You will be given a final program at the conference. However please bookmark the conference website at <http://www.international-hydrocolloids-conference.com> to keep up to date with changes as they occur.

It is a condition of abstract acceptance that you or a nominated presenting co-author registers for the conference by the **author registration deadline of Monday 20th February 2012**. Please register online at <http://www.international-hydrocolloids-conference.com/conference-register.html>. **The abstracts of all unregistered presenters will be removed from the poster program after this date.** Should the addressee above not be the nominated presenter, please inform me of the name and email address of the presenter as soon as possible: content-hydrocolloids12@elsevier.com

To register to attend the conference, please follow the link:

<http://www.international-hydrocolloids-conference.com/conference-register.html>.

Registration is available online using a credit card. Registration rates are as follows:

Student Registration Rate¹	\$350.00
Early Bird Academic Delegate Rate	\$550.00
Late Academic Delegate Rate	\$650.00

***For registrations received after 20th February 2012**

¹Student rate applies to those registered for a higher degree. Student registration must be accompanied by a signed letter from your head of department attesting to student status.

All authors will be responsible for their own travel and accommodation expenses. Unfortunately the conference organisers do not have funds available to support the attendance of individual delegates.

Accommodation

Rooms have been reserved at the conference hotel at specially negotiated rates for use by delegates.

To book and for more details please access the accommodation page on the website: <http://www.international-hydrocolloids-conference.com/conference-accommodation.html>

Conference Publications

Upon arrival at the conference all delegates will receive a program booklet and a CD containing the abstracts.

Please do not hesitate to contact me if you have any queries and I look forward to receiving your completed registration.

Yours sincerely,

Margaret Zhao on behalf of

Dr Bruce Hamaker

11th International Hydrocolloids Conference Chair

Whistler Center for Carbohydrate Research

Purdue University