



HAL
open science

Crop ability and biomass production in miscanthus: a feedstock for bio-ethanol?

Maryse M. Brancourt, Brigitte Chabbert, Jean Tayeb, Stéphane S. Cadoux, H Wanda-Zub, Guillaume Barbedette, Stéphanie Arnoult, Annabelle Obeuf, Hubert H. Boizard

► To cite this version:

Maryse M. Brancourt, Brigitte Chabbert, Jean Tayeb, Stéphane S. Cadoux, H Wanda-Zub, et al.. Crop ability and biomass production in miscanthus: a feedstock for bio-ethanol?. 3. World Congress of Industrial Biotechnology 2010, Jul 2010, Dalian, China. hal-02823539

HAL Id: hal-02823539




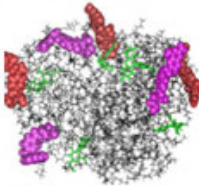



<https://hal.inrae.fr/hal-02823539>

Submitted on 6 Jun 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Bio-Energy Bio-products Enzyme Bio-Environment Bio-Agriculture Bio-Foods

Time July 25-27, 2010 Venue Dalian, China

[Home](#) | [About Us](#) | [Past Event](#) | [Brochure](#) | [FAQ](#) | [Contact Us](#) | [IBIO2011](#) | [Chinese](#)

About Conference

- > Welcome Message
- > Organizers & SAB
- > Program
- > Schedule
- > Deadline
- > Venue Information
- > For your Visa

Speakers

- > Why Speak?
- > Speaker Instruction
- > Papers & Poster

Registration

- > Price & Payment
- > Cancellation
- > Registration Instruction
- > Register Now

Sponsors

- > Your Benefits
- > Sponsorship Opportunities
- > Sponsor Now!

Business

- > Advertisement
- > Exhibition
- > Media Partner
- > Media Partners List

Tech-Tour

- > Tour in Beijing

BIT's Upcoming Events

Program

BIT' s 3rd World Congress of Industrial Biotechnology 2010 (ibio-2010)

Time: July 25-27, 2010 Place: Dalian, China
Tentative Scientific Program

Please note: This program is tentatively arranged, the speech order might be changed according to session chairs' suggestions afterwards

July 24, 2010 (Saturday)

Time	Activities
8:00-20:00	Registration

July 25, 2010 (Sunday)

Opening Ceremony and Keynote Forum

Time	Activities
Keynote Lectures	
Moderator	Dr. Aijie Wang, Professor, Harbin Institute of Technology, China
09:30-10:00	Title: The Key Innovations Behind the Development of the Ho-Purdue Yeast for Cellulosic Ethanol Production and Its Recent Improvements Dr. Nancy W. Y. Ho, Founder and President, Green Tech America, Inc; Research Professor, School of Chmeical Engineering, Purdue University, USA
10:00-10:30	Title: 2nd Generation Bioethanol – what Is in It for China Dr. Thomas Nagy, Chief of Staff and Executive Vice President, Novozymes A/S, Denmark
10:30-11:00	Title: DuPont Biotechnology: Building a Sustainable Future Dr. Guo-Hua Miao, Director & General Manager, DuPont China R&D Center, China
11:00-11:30	Title: Biological Hydrogen Production: Perspective and Challenge Prof. Nanqi REN, Ph. D, Academician, Chinese Academy of Engineering; Head, State Key Lab of Urban Water Resource & Environ; Vice President, Harbin Institute of Technology
11:30-12:00	Title: Petroleum Microbiology: From Cell and Molecular Biology to the Development of Novel Products and Processes Dr. David Gutnick, Professor, Tel-Aviv University, Israel

Track 1: Bio-energy

-Explore New Planet of Energy Supplies



Biosoft 2010

(June 23-25, 2010, Dalian, China)



Cancer 2010

(June 22-25, 2010, Singapore)



NeuroTalk 2010

(June 25-28, 2010, Singapore)



IBIO 2010

(July 25-27, 2010, Dalian, China)



WCP 2010

(July 25-27, 2010, Dalian, China)



WCVI 2010

(July 31-Aug.3, 2010, Busan, South Korea)



WCF 2010

(Oct.21-23, 2010, Dalian, China)



IDDST 2010

(Oct.23-26, 2010, Beijing, China)



Nanomedicine2010

(Oct.23-25, 2010, Beijing, China)



Track 1-1: The Future of Bio-energy: Challenges, Trend and Opportunities (Part One)
13:30-16:50 , July 25, 2010 , Sunday, Multifunction Hall, 1F, North Building, DMPCH

Chair:	Dr. David Bransby, Professor, Auburn University , USA
Co-Chair:	Dr. Chunshan Song, Professor, The Pennsylvania State University , USA
13:30-13:35	Chair's Introduction
13:35-13:55	Keynote Speech: Title: The Role of Biofuels in the Future Global Energy Supply Dr. Theodosios Alexander, Professor, Queen Mary University of London, UK
13:55-14:15	Title: Biofuels and Biochemicals, A Food Sovereignty and Global Environmentalperspective Dr. Bjorn Marten, Chairman, GEIST, Sweden
14:15-14:35	Title: Combustion of Waste Material Dr. Mattias Lindgren, President, SWEBO Bioenergy International AB, Sweden
14:35-14:55	Title: Cellulosic Biofuels in the United States: Current Status and Future Prospects Dr. David I. Bransby, Professor, Auburn University, USA
14:55-15:15	Title: Overview of Biomass Conversion and Bio-fuels Research at the Pennsylvania State University Dr. Chunshan Song, Professor, The Pennsylvania State University , USA
15:15-15:30	Coffee Break
15:30-15:50	Title: The Integrated Biorefinery - Connecting the Future of Bioenergy Dr. Ryan B. Adolphson, Director, University of Georgia, USA
15:50-16:10	Title: Purpose-built Crops for Lignocellulosic Biofuels Dr. J. Michael Gould, Professor & Center Director, Texas A&M University System, USA
16:10-16:30	Title: Ethanol as a Future Fuel for Road Transportation Dr. Jesper Schramm, Associate Professor, Technical University of Denmark, Denmark
16:30-16:50	Title: Engineering Microorganisms for Biofuel Production: From Microbes to Synthetic Biology to Fuels Dr. Sung Kuk Lee, Assistant Professor, Ulsan National Institute of Science and Technology (UNIST), Korea



Track 1-1: The Future of Bio-energy: Challenges, Trend and Opportunities (Part Two)
08:30-11:50 , July 26, 2010, Monday, Multifunction Hall, 1F, North Building, DMPCH

Chair:	Dr. Kristiina A Vogt, Professor, University of Washington, USA
Co-Chair:	Dr. Daniel J Vogt, Professor, University of Washington, USA
08:30-08:35	Chair's Introduction
08:35-08:55	Title: Beyond Ethanol: Next-generation Biofuel Research at the Joint BioEnergy Institute Dr. Blake A. Simmons, Vice-President, Joint BioEnergy Institute, USA

MTS 2010

(Oct.26-28, 2010, Dalian, China)



CEMD 2010

(Nov.10-12, 2010, Shanghai, China)



WCB 2010

(Nov.10-12, 2010, Shanghai, China)



WCPM 2010

(Nov.10-12, 2010, Shanghai, China)



OFC 2010

(Nov.15-18, 2010, Beijing, China)



WCG 2010

(Dec.1-4, 2010, Foshan, China)



RMSC 2010

(Dec.5-7, 2010, Shanghai, China)



ICC 2010

(Dec.7-9, 2010, Shanghai, China)



WCE 2011

(Jan.25-28, 2011, Xiamen, China)



08:55-09:15	Title: Sustainable Bio-energy Metric: Account for Ecosystem Services Dr. Kristiina A Vogt, Professor, University of Washington, USA
09:15-09:35	Title: Biofuels in Russia: Resources, Industry and Research Projects Dr. S. D. Varfolomeyev, Professor, Moscow State University, Russia
09:35-09:55	Title: Woody Biomass Supply Analysis: Forest Productivity and Indigenous Cultural Values Dr. Maura Shelton, Research Associate, University of Washington, USA
09:55-10:15	Title: Microalgae Biotechnological- bioenergetical Complex Factory for Climate Change Protection and Sustainable Development Dr. Bela Tozser, Managing and Technical Director, Envihorizont Ltd.; Member of AEBIOM, Hungary
10:15-10:30	Coffee Break
10:30-10:50	Title: Wood Biomass/Wastes for Distributed Energy and Associated Products in Rural Landscapes Dr. Daniel J Vogt, Professor, University of Washington, USA
10:50-11:10	Title: Water, Bioenergy, Invasive Plants Dr. Lloyd L. Nackley, Research Associate, University of Washington, USA
11:10-11:30	Title: Development Potentials and Policy Options of Biomass in China Dr. Lei Shen, Professor, Chinese Academy of Sciences, China
11:30-11:50	Title: An Overview on the Development of Integrated Bioenergy Devices for Improvement of Quality of Life of Poor People in Sudan Dr. Abdeen Mustafa Omer, Engineer, University of Nottingham, UK



Track 1-2: Breakthrough in Ligno-Cellulose Bioethanol and Other Biofuels (Part One)

13:30-17:10, July 25, 2010, Sunday, Classroom 1, 1F, North Building, DMPCH

Chair:	Dr. Mark D. Stowers, Senior Vice President, Science and Technology, POET, USA
Co-Chair:	Dr. Yujie Feng, Professor, Harbin Institute of Technology, China
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Cellulosic Ethanol Production from Corn Cobs Dr. Mark D. Stowers, Senior Vice President, Science and Technology, POET Ltd., USA
14:00-14:25	Title: An Integrated Solution for Cellulosic Ethanol: A Case Study Dr. Steven M Martin, R&D Director, TMO Renewables Ltd., UK
14:25-14:50	Title: High Crystalline Cellulose to Ethanol Dr. Mohammad J. Taherzadeh, Professor, University of Boras, Sweden
14:50-15:15	Title: Chemical/Physical Pre-treatment of Softwood Sawdust for Enzymatic Saccharification Dr. Chunbao (Charles) Xu, Associate Professor, Lakehead University, Canada
15:15-15:30	Coffee Break
15:30-15:55	Title: Bio-detoxification in Process of Making Ethanol from Steam Exploded Corn Stover Dr. Yujie Feng, Professor, Harbin Institute of Technology, China
15:55-16:20	Title: Cellulosic Ethanol from Durian Peel Dr. Chalerm Ruangviriyachai, Associate Professor, Khon Kaen University, Thailand
16:20-16:45	Title: Development of Cellulolytic Yeasts for One-step Conversion of Cellulosics to Bioethanol Dr. W. H. (Emile) van Zyl , Professor, University of Stellenbosch, South Africa

PepCon 2011
(March 23-25, 2011, Beijing, China)



ICA 2011
(March 23-25, 2011, Beijing, China)



WCV 2011
(March 23-25, 2011, Beijing, China)



SEB 2011
(Apr.25-29, 2011, Dalian, China)



IBIO 2011
(Apr.25-29, 2011, Dalian, China)



WCBE 2011
(Apr.25-29, 2011, Dalian, China)



Biosoft 2010
(June 23-25, 2010, Dalian, China)



Cancer 2010
(June 22-25, 2010, Singapore)



NeuroTalk 2010
(June 25-28, 2010, Singapore)



IBIO 2010
(July 25-27, 2010, Dalian, China)

16:45-17:10	Title: Understanding AFEX Pretreatment of Corn Stover for Bioethanol Production Dr. Fachuang Lu, Scientist, University of Wisconsin-Madison, USA
Track 1-2: Breakthrough in Ligno-Cellulose Bioethanol and Other Biofuels (Part Two) 13:30-17:10, July 26, 2010, Monday, Classroom 1, 1F, North Building, DMPCH	
Chair:	Dr. Pascale Champagne, Associate Professor, Queen's University, Canada
Co-Chair:	Dr. Hyeon Y. Lee, Professor, Kangwon National University, South Korea
13:30-13:35	Chair's Introduction
13:35-14:00	Keynote Speech: Title: Recent Progress in Development of Cost-effective Biomass Enzymes and G2 Ethanol Industrialization Progress in China Dr. Haiyu Ren, Senior Manager, Novozymes RD, China
14:00-14:25	Title: Ethanol from Straw - Now a Reality in Denmark Dr. Michael Persson, VP, Finance and Corporate Affairs, Inbicon, Denmark
14:25-14:50	Title: Non-Food Bioethanol and Biochemicals Dr. Pasi Rousu, Managing Director, Chempolis Biorefining Technology (Shanghai) Co., China
14:50-15:15	Title: Redesigning Microorganisms and Bioprocesses for Biofuel Production: When Efficiency and Robustness Matter Dr. S.E. Guillouet, Associate Professor, Institute National des Sciences Appliquees of Toulouse, France
15:15-15:30	Coffee Break
15:30-15:55	Title: Next Generation Feedstocks: Processing Traits for Efficient Biomass Conversion Dr. Binzhang Shen, Senior Scientist, Agrivida Inc., USA
15:55-16:20	Title: Greener Treatment and Characterization of Lignocellulosic Biomass for the Production of Value Added Products Dr. Pascale Champagne, Associate Professor, Queen's University, Canada
16:20-16:45	Title: Optimization of Pretreatment Process for Bioethanol Production from Ulva Pertusa Kellmann Dr. Hyeon Y. Lee, Professor, Kangwon National University, South Korea
16:45-17:10	Title: Biodiesel Production Using Oleaginous Microorganisms Isolated from Marine Sources Dr. Idania Valdez-Vazquez, Professor, Center for Scientific Research and Higher Education of Ensenada, Mexico

Track 1-3: The Future of Biochemicals and Biomaterials: Challenges, Trend and Opportunities -This Session is Kindly Proposed by Dr. Shiro Saka, Professor, Kyoto University, Japan 13:30-16:50, July 25, 2010, Sunday, Classroom 2, 1F, North Building, DMPCH	
Chair:	Dr. Shiro Saka, Professor, Kyoto University, Japan
Co-Chair:	Dr. Byung-Gee Kim, Professor, School of Chemical and Biological Engineering, Seoul National University, Korea
13:30-13:35	Chair's Introduction
13:35-13:55	Title: Recent Progress in Biorefinery from Lignocellulosics as Introduced by Supercritical Fluid Science and Technology Dr. Shiro Saka, Professor, Kyoto University, Japan



WCP 2010

(July 25-27, 2010, Dalian, China)



WCVI 2010

(July 31-Aug.3, 2010, Busan, South Korea)



WCF 2010

(Oct.21-23, 2010, Dalian, China)



IDDST 2010

(Oct.23-26, 2010, Beijing, China)



Nanomedicine2010

(Oct.23-25, 2010, Beijing, China)



MTS 2010

(Oct.26-28, 2010, Dalian, China)



CEMD 2010

(Nov.10-12, 2010, Shanghai, China)

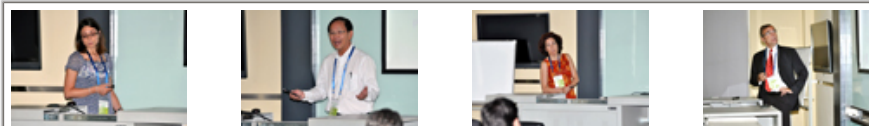


WCB 2010

(Nov.10-12, 2010, Shanghai, China)



13:55-14:15	Title: Microwave- and Free Radical-mediated Lignin-degradation for Aromatic and Sugar-based Biorefineries Dr. Takashi Watanabe, Professor, Kyoto University, Japan
14:15-14:35	Title: Combined Popping Refinery System for Lignocelluloses Bioconversion Dr. Hyeun-Jong Bae, Professor, Chonnam National University, South Korea
14:35-14:55	Title: Bioenergy from Marine Algae Dr. Choul-Gyun Lee, Professor, Inha University, Korea
14:55-15:15	Title: Consumer Interests in Biobased Products in the EU Dr. Marina Zapilko, Assistant Professor, University of Weihenstephan-Triesdorf (HSWT), Germany
15:15-15:30	Coffee Break
15:30-15:50	Title: Chemical Synthesis from Cellulose and Lignin in High Temperature and Water Dr. Tadafumi Adschiri, Professor, WPI-AIMR Tohoku University, Japan
15:50-16:10	Title: Biocatalysis for Lignin Derived Aromatic Chemicals and Materials Dr. Byung-Gee Kim, Professor, School of Chemical and Biological Engineering, Seoul National University, Korea
16:10-16:30	Title: Coproduction of Value Added Chemical (Glycerol Carbonate) and Biodiesel from Plant Seed Oil Using Thermostable Lipase Dr. Yong Hwan Kim, Associate Professor, Kwangwoon University, Korea
16:30-16:50	Title: Production of Bio-plastics and Bio-carbon Materials from Ethanol Fermentation Residue of Woody Biomass Dr. Kinya Sakanishi, Director, National Institute of Advanced Industrial Science and Technology (AIST), Japan



Track 1-4: Innovation Technologies for Biodiesel

08:30-11:45, July 26, 2010, Monday, Classroom 1, 1F, North Building, DMPCH

Chair:	Dr. Michele Aresta, Professor/Member, SCI, Italy
Co-Chair:	Dr. Francesco Frusteri, Professor, Institute of Advanced Energy Technologies, Italy
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Applying the Biorefinery Concept to the Use of Aquatic Biomass Dr. Michele Aresta, Professor/Member, SCI, Italy
09:00-09:25	Title: Suitable Heterogeneous Catalytic Systems for Biofuel Production by Transesterification Reactions Dr. Francesco Frusteri, Professor, Institute of Advanced Energy Technologies, Italy
09:25-09:50	Title: Biotechnological Routes for the Production of Biodiesel Dr. Martin Mittelbach, Professor, University of Graz, Austria
09:50-10:15	Title: A Biodiesel Process in Continuous Flow Reactors Dr. Cristina Otero, Researcher, Institute of Catalysis, CSIC, Spain
10:15-10:30	Coffee Break
10:30-10:55	Title: New Catalysts and New Technologies for the Extraction and Transesterification of Lipids from Aquatic Biomass Dr. Antonella Angelini, Scientist, University of Bari and CIRCC, Italy
10:55-11:20	Title: The Comparison of Rice Barn Oil and Palm Acid Oil Used for Biodiesel Production Dr. Churdchai Cheowtirakul, Director, Assumption University, Thailand
11:20-11:45	Title: Statistical Analysis for Biodiesel Production from Crude Palm Oil (CPO) Dr. Nassereldeen Ahmed Kabashi, Environmental Engineer, International Islamic University Malaysia, Malaysia

WCPM 2010
(Nov.10-12, 2010, Shanghai, China)



OFC 2010
(Nov.15-18, 2010, Beijing, China)



WCG 2010
(Dec.1-4, 2010, Foshan, China)



RMSC 2010
(Dec.5-7, 2010, Shanghai, China)



ICC 2010
(Dec.7-9, 2010, Shanghai, China)



WCE 2011
(Jan.25-28, 2011, Xiamen, China)



PepCon 2011
(March 23-25, 2011, Beijing, China)



ICA 2011
(March 23-25, 2011, Beijing, China)



WCV 2011
(March 23-25, 2011, Beijing, China)



Track 1-5: Biohydrogen R & D
08:30-09:50, July 26, 2010, Monday, Classroom 2, 1F, North Building, DMPCH

Chair:	Dr. Claudio Greco, Humboldt Fellow, University of Milan-Bicocca, Italy
Co-Chair:	Dr. Kesen Ma, Associate Professor, University of Waterloo, Canada
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Biohydrogen Production by [FeFe]-hydrogenases: Theoretical Insights and Fundamental Hints for the Rational Design of "Green" and Efficient Synthetic Catalysts Dr. Claudio Greco, Humboldt Fellow, University of Milan-Bicocca, Italy
09:00-09:25	Title: Hyperthermophilic Enzymes Involved in Production of Ethanol and Hydrogen Dr. Kesen Ma, Associate Professor, University of Waterloo, Canada
09:25-09:50	Title: Effect of Organic Acids on Biohydrogen Production from Fermented Food Waste Dr. Nor Aini Abdul Rahman, Senior Lecturer, Universiti Putra Malaysia, Malaysia



Track 1-6: Feedstock for Bioethanol, Bioalkanoles and Biodiesels
13:30-17:10, July 26, 2010, Monday, Classroom 2, 1F, North Building, DMPCH

Chair:	Dr. Marty R. Schmer, Research Agronomist, USDA-ARS-NGPRL, USA
Co-Chair:	Dr. Shujun Chang, Senior Scientist, ArborGen LLC, USA
13:30-13:35	Chair's Introduction
13:35-13:55	Keynote Speech : Title: Giant King Grass -- High Yield Feedstock for Biofuels, Bio Methane, Biochemicals, Bio Plastics and Direct Combustion in Electricity Generating Power Plants Dr. Carl Kukkonen, CEO, VIASPACE Inc., USA
13:55-14:15	Title: Clostridium ljungdahlii: A Novel Microbial Production Platform for Biofuels from Synthesis Gas Dr. Peter Duerre, Professor, University of Ulm, Germany
14:15-14:35	Title: The Role of Multi-feedstocks for Cellulosic Biofuel Production and Their Potential in Mitigating Greenhouse Gas Emissions Dr. Marty R. Schmer, Research Agronomist, USDA-ARS-NGPRL, USA
14:35-14:55	Title: The Cellulosome: A Multienzymatic and Dynamic Machine for the Degradation of Cellulose Dr. Maria Joao Romao, Professor, The New University of Lisbon, Portugal
14:55-15:15	Title: Short Rotation Tree Crops for Bioenergy Production Dr. Shujun Chang, Senior Scientist, ArborGen, USA
15:15-15:30	Coffee Break
15:30-15:50	Title: Crop Ability and Biomass Production in the Miscanthus Genus: A Feedstock for Bioethanol? Dr. Maryse Brancourt-HulmeI, Geneticist, INRA UMR SADV, France
15:50-16:10	Title: Fermentative Production of Fuels and Chemicals from Crude Glycerol Dr. Won Jae Choi, Senior Research Fellow, Institute of Chemical and Engineering Sciences, Singapore

SEB 2011
Apr.25-29, 2011, Dalian, China)



IBIO 2011
(Apr.25-29, 2011, Dalian, China)



WCBE 2011
(Apr.25-29, 2011, Dalian, China)

more...

16:10-16:30	Title: Red Algae-based Bioethanol: A New Approach for Marine Biomass Depolymerization into Mixed Sugars Dr. Yong Jin Kim, Senior Researcher, Korea Institute of Industrial Technology (KITECH), South Korea
16:30-16:50	Title: Biodiesel Production from Normal and GM Camelina Seed Oil Dr. Dennis Y.C. Leung, Professor, The University of Hong Kong, Hong Kong, China
16:50-17:10	Title: Microstructural Transformation Characteristics of Enzyme - hydrolyzed Empty Fruit Bunch for Glucose Production Dr. Khanom-Simarani, Lecturer, University of Malaya, Malaysia



Track 1-7: Cost Effective Fermentation Process Development of Biofuels
08:30-10:15, July 27, 2010, Tuesday, Classroom 1, 1F, North Building, DMPCH

Chair:	Dr. Richard J. LaDuca, Senior Director, Business Development, Genencor, Danisco, USA
Co-Chair:	Dr. Toni Wang, Associate Professor, Iowa State University, USA
08:30-08:35	Chair's Introduction
08:35-08:55	Keynote Speech: Title: Biolsoprene™: A C5 Business Platform for Production of Biochemicals and Biofuels Dr. Richard J. LaDuca, Senior Director, Business Development, Genencor, Danisco, USA
08:55-09:15	Title: Advances in Algae Biomass Production: Methods for Determination of Intrinsic Maximum Yield for Maximum Biomass Productivity Estimates and Bioreactor Parametrization Dr. Alexandra Holland, Founder and Primary Researcher, Process Integrated Algae Research and Consulting Solutions, USA
09:15-09:35	Title: Recovering Oil from Corn Fermentation Co-products Dr. Tong Wang, Professor, Iowa State University, USA
09:35-09:55	Title: Green Technology to Produce Bio-fuels from Municipal Solid Waste Dr. Fabrizio Adani, Professor, Università degli Studi di Milano, Italy
09:55-10:15	Title: Influence of Steam Explosion Time on Physicochemical Composition, Simultaneous Saccharification and Fermentation of Shrub Stalks from <i>Lespedeza cyrtobotrya</i> and <i>Salix psammophila</i> Dr. Jianxin Jiang, Professor, Beijing Forestry University, China
10:15-10:30	Coffee Break



Track 1-8: The Raw Materials, Upgrading and Distribution of Bioenergy
10:30-11:55, July 27, 2010, Tuesday, Classroom 1, 1F, North Building, DMPCH

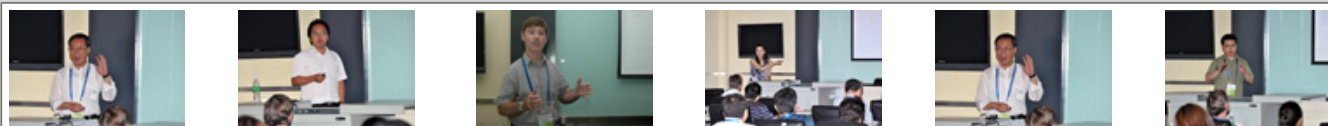
Chair:	Dr. Ho Nam Chang, Professor, KAIST, Korea
Co-Chair:	Dr. Asep S. Suntana, Research Associate, University of Washington, USA
10:30-10:35	Chair's Introduction
10:35-10:55	Title: Biomass-derived Sugar and Volatile Fatty Acid Platforms for Fuels and Chemicals in Korea Dr. Ho Nam Chang, Professor, KAIST, Korea
10:55-11:15	Title: Certified Plantation Forests: Source of Bio-energy for Sustainable Development That Reduces Carbon Emissions Dr. Asep S. Suntana, Research Associate, University of Washington, USA

11:15-11:35	Title: Solid Biomass Raw Materials: Which Preparation for Which Processes Dr. Atom Mirakyan, Research Engineer, European Institute for Energy Research (EIFER), Germany
11:35-11:55	Title: Hydrothermal Carbonization - A New Technology of Biomass Conversion for Material or Energetic Use Dr. S. Seidelt, Research Scientist, European Institute for Energy Research - Karlsruhe Institute for Technology, Germany



Track 1-9: Biorefinery: From Pilot Plant to Massive Production
08:30-11:45, July 27, 2010, Tuesday, Classroom 2, 1F, North Building, DMPCH

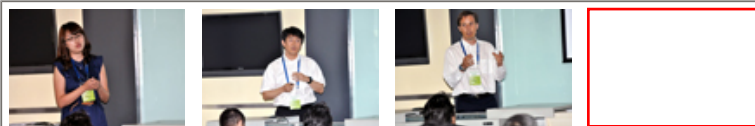
Chair:	Dr. Gerard Goma, Director, Université de Toulouse, France
Co-Chair:	Dr. Lin Luo, Environmental Scientist, University of Leiden, The Netherlands
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Biomass, the Green Hope: How White Biotechnology Will Contribute to the « Petro-bio-refineries » and "Petro Bioproducts" Dr. Gerard Goma, Director, Université de Toulouse, France
09:00-09:25	Title: Biogas Production, Nutrient Recovery and Recycling of Water – a BioRefinery Model Dr. Poul Ejner Rasmussen, Managing Director; CEO, Renew Energy A/S, Denmark
09:25-09:50	Title: The Role of Thermochemical Processing in Optimizing the Performance of Future Cellulosic Ethanol Biorefineries Dr. Christopher Shaddix, Principal Researcher, Sandia National Laboratories, USA
09:50-10:15	Title: Biorefining of Lignocellulosic Feedstock – Technical, Economic and Environmental Considerations Dr. Lin Luo, Environmental Scientist, University of Leiden, The Netherlands
10:15-10:30	Coffee Break
10:30-10:55	Title: The Biorefinery of the Future – Making Green Chemicals, Fuels, and Materials from Wood Dr. Bjorn Alriksson, R&D Engineer, Processum Biorefinery Initiative, Sweden
10:55-11:20	Title: Prospects and Potential of Algal Biorefinery in Southeast Asia Dr. Per Dahlen, Partner, Portelet Asia Pte. Ltd., Singapore
11:20-11:45	Title: The Emerging Bioeconomy Dr. K. S. Rajashekara, Professor, JSS College, Nanjangud, Affiliated to University of Mysore, Karnataka State, India



Track 1-10: Bioelectrochemical Systems: New Bio-Energy (Part One)
13:30-17:10, July 26, 2010, Monday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. John M. Regan, Associate Professor, Pennsylvania State University, USA
Co-Chair:	Dr. Aijie Wang, Professor, Harbin Institute of Technology, China
13:30-13:35	Chair's Introduction
13:35-14:00	Keynote Speech: Title: Recent Developments in Microbial Electrochemical Cells Dr. Byung Hong Kim, Professor, Korea Institute of Science and Technology, Korea; Visiting Professor, Harbin Institute of Technology, China

14:00-14:25	Title: Microbial Fuel/Electrolysis Cells: Ways to Go Dr. Hyung-Sool Lee, Assistant Professor, University of Waterloo, Canada
14:25-14:50	Title: Water Desalination Using Microbial Desalination Cells Dr. Xia Huang, Professor, Tsinghua University, China
14:50-15:15	Title: Submergible Microbial Fuel Cells Combined the Activated Sludge Process for Sustainable Wastewater Treatment Dr. Changwon Kim, Professor, Pusan National University, Korea
15:15-15:30	Coffee Break
15:30-15:55	Title: Floating-type Microbial Fuel Cell (FT-MFC) for Treating Organic-contaminated Water II-increased Current by Enhanced Cathodic Kinetic Activity Mr. Junyeong An, Gwangju Institute of Science & Technology, South Korea
15:55-16:20	Title: Geochip-based Functional Gene Analysis of Anodophilic Communities in Microbial Electrolysis Cells under Different Operational Modes Mr. Wenzong Liu, Harbin Institute of Technology, China
16:20-16:45	Title: Proton Transfer with Participation of Phosphate Buffer in Cathodic Reaction of Microbial Fuel Cell Mr. Jaehwan Cha, Pusan National University, Republic of Korea
16:45-17:10	Title : A New Insight into Potential Regulation on Growth and Power Generation of <i>Geobacter sulfurreducens</i> in Microbial Fuel Cells Based on Energy Viewpoint Mr. Jincheng Wei, Tsinghua University, China



Track 1-10: Bioelectrochemical Systems: New Bio-Energy (Part Two)
08:30-12:10, July 27, 2010, Tuesday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. Hyung-Sool Lee, Assistant Professor, University of Waterloo, Canada
Co-Chair:	Dr. Ricardo O. Louro, Assistant Investigator, The New University of Lisbon, Portugal
08:30-08:35	Chair's Introduction
08:35-09:00	Keynote Speech: Title: MFC Operational Effects on Anode Biofilm Microbial Ecology and Electrochemical Performance Dr. John M. Regan, Associate Professor, Pennsylvania State University, USA
09:00-09:25	Title: Metagenomics-Enabled Understanding of Anodophilic Functional Consortia in Microbial Electrolysis Cells Dr. Aijie Wang, Professor, Harbin Institute of Technology, China
09:25-09:50	Title : Emerging Details of the Molecular Mechanisms Underlying the Extracellular Metabolism of Metal Ores by Sediment Bacteria Dr. Ricardo O. Louro, Assistant Investigator, The New University of Lisbon, Portugal
09:50-10:15	Title: Microbial Community Structure and Function of Anode Biofilms in MFC Mr. Zen-ichiro Kimura, Hokkaido University, Japan
10:15-10:30	Coffee Break
10:30-10:55	Title: Pyrosequencing of MFC Communities Dr. Joonhong Park, Associate Professor, Yonsei University, South Korea
10:55-11:20	Title: Characterization of Thermophilic Microbial Fuel Cell Utilizing Distillery Wastewater Ms. Phuc Thi Ha, Gwangju Institute of Science and Technology, Korea
11:20-11:45	Title: Sequestration of CO ₂ by Algal Cathode in Microbial Carbon Capture Cells (MCCs) Dr. Yujie Feng, Professor, Harbin Institute of Technology, China

11.45-12:10	Title: Evaluation of Electrochemical Performance Using Various Non-woven Papers as an Alternative Separator Material in Microbial Fuel Cell Ms. Choi Soojung, Pusan National University, Republic of Korea
-------------	---



Track 1-11: Session for Young Scientists (Part One)
08:30-12:10, July 27, 2010, Tuesday, Classroom 4, 2F, North Building, DMPCH

Chair:	Dr. Defeng Xing, Professor, Harbin Institute of Technology, China
Co-Chair:	Mr. Magnus Wiman, Lund University, Sweden
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Recent Advances in Fermentative and Bioelectrochemical Hydrogen Production Processes Dr. Defeng Xing, Professor, Harbin Institute of Technology, China
09:00-09:25	Title: Switchable Biological Surfaces Mr. Chun L. Yeung, The University of Birmingham, UK
09:25-09:50	Title: Rheological Characterization of Pretreated Lignocellulose and Feeding Strategies for Improved Ethanol Production from Cellulose and Hemicelluloses in SSF Mr. Magnus Wiman, Lund University, Sweden
09:50-10:15	Title: Glyfinery - A Biorefinery for the Sustainable and Integrated Production of Liquid Biofuels, Green Chemicals and Bioenergy from Glycerol Ms. Xiaoying Liu, The Technical University of Denmark, Denmark
10:15-10:30	Coffee Break
10:30-10:55	Title: Butyric Acid Fermentation from Brown Algae by <i>Clostridium tyrobutyricum</i> (KCTC 5387) and Its Utilization for Bio-butanol Production by Immobilized <i>Clostridium saccharoperbutylacetonicum</i> N1-4 (KCTC 5577) Mr. Jey-R S. Ventura, Myongji University, Korea
10:55-11:20	Title: Hydrogen Production from Molasses Wastewater in a Two-stage Process Combining Ethanol-H ₂ -coproducing Fermentation and Electrohydrogenesis Dr. Lu Lu, Harbin Institute of Technology, China
11:20-11:45	Title: One Step Purification and Partial Characterization of an Alkaline Protease from <i>Bacillus licheniformis</i> NCIM-2042 Mr. B Bhunia, National Institute of Technology Durgapur, India
11:45-12:10	Title: Molecular Characterization and Functional Expression of a [FeFe]-hydrogenase Gene from a Novel Hydrogen-Producing Bacterium <i>Ethanoligenens harbinense</i> YUAN-3 Dr. Xin Zhao, Harbin Institute of Technology, China



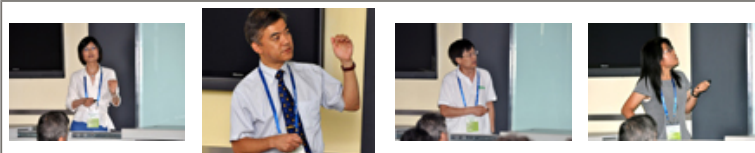
Track 1-11: Session for Young Scientists (Part Two)
13:30-17:10, July 27, 2010, Tuesday, Classroom 1, 1F, North Building, DMPCH

Chair:	Dr. Ana Luisa Carvalho, Assistant Researcher, The New University of Lisbon (FCT-UNL), Portugal
Co-Chair:	Mr. Carlos Diaz Blanco, Technical University of Catalonia, Spain
13:30-13:35	Chair's Introduction

13:35-13:55	Title: The Competitive Economic Potential of Biomass Plantations for Bioenergy Production in Europe Ms. Chrystalyn Ivie S. Ramos, Researcher, Hamburg University, Germany
13:55-14:15	Title : Carbohydrate Binding Modules, A Driving Force behind Cellulose Recognition and Degradation in the Microbial World Dr. Ana Luísa Carvalho, Assistant Researcher, The New University of Lisbon (FCT-UNL), Portugal
14:15-14:35	Title: Multifunctional Wool Produced in an Enzymatic Process from Aqueous-organic Medium Mr. Kh. M. Gaffar Hossain, the Technical University of Catalonia, Spain
14:35-14:55	Title: Boosting the Performance of Enzyme-Containing Cleaning Formulations Mr. Carlos Diaz Blanco, Technical University of Catalonia, Spain
14:55-15:15	Title: Synthetic Toggle Switch for Selective Gene Expression in Bacteria Mr. Yuki Matsumoto, Osaka University, Japan
15:15-15:30	Coffee Break
15:30-15:50	Title: Simultaneous Production of Raw Starch Hydrolyzing Enzymes, Glucoamylase and Acid-stable α -amylase Using Novel Submerged Culture of Industrial Fungus <i>Aspergillus Kawachii</i> Mr. Toshikazu Sugimoto, Chief Researcher, Asahi Breweries Ltd., Japang
15:50-16:10	Title: Analyses of Xenobiotic Degrading Genes from New Marine Carbazole Degraders Mr. Yoshihiko Ito, Shibaura Institute of Technology, Japan
16:10-16:30	Title: Bacterial Laccases: Identifying Molecular Determinants of Structure and Functional Stability Dr. Andre T Fernandes, Assistant Investigator, The New University of Lisbon, Portugal
16:30-16:50	Title: Industrialized Aquaculture of <i>Marsupenaeus japonicus</i> by Bio-flocs Technology Ms. Pei Zhao, Yellow Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, China
16:50-17:10	Title: Regulation of Validamycin A Fermentation in Combination with Gene Transcription and Enzyme Activity Analysis Ms. Wen-Wen Zhou, Shanghai Jiao Tong University, China

Track 2: Industrial Microbiology and Robust Enzymes

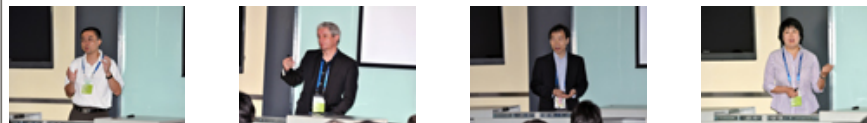
-Ask for Clean, Safer and Powerful Processes & Biocatalysts



Track 2-1: Ecology, Omics, and System Biology of Industrial Microorganisms 13:30-16:45, July 25, 2010, Sunday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. Masaaki Morikawa, Professor, Hokkaido University, Japan
Co-Chair:	Dr. Shangwu Chen, Professor, China Agricultural University, China
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Enhanced Production of Vitamin K2 by <i>Bacillus subtilis</i> Natto Biofilms Dr. Masaaki Morikawa, Professor, Hokkaido University, Japan
14:00-14:25	Title: An Evolutionary Approach to Understand Substrate-specificity of Glycoside Hydrolases Dr. Magnus Karlsson, Assistant Professor, Swedish University of Agricultural Sciences (SLU), Sweden
14:25-14:50	Title: Proteogenomics of <i>Bifidobacterium Longum</i> : Using Proteomic Data for Gene Annotation of the Probiotics Strain Isolated from Healthy Centenarian of Bama, China Dr. Shangwu Chen, Professor, China Agricultural University, China
14:50-15:15	Title: Microbial Assisted Copper Recovery. Bacterial Community Structure and Function in Industrial Processes Dr. Cecilia Demergasso, Technical Manager, Biotecnor Ltda, Chile
15:15-15:30	Coffee Break

15:30-15:55	Title: Cloning and Expression of Novel Phytases from Bifidobacterium Dr. Monika Haros, Research Associate, CSIC, Spain
15:55-16:20	Title: Inhibitory Activity of Mycelium of <i>Russula lepida</i> on the Angiotensin I -Converting Enzyme Dr. Xiujun Gao, Lecturer, Harbin Institute of Technology at Weihai, China
16:20-16:45	Title: Biological Noise Induced Gene Production in Bacteria —A Universal Principle in the Adaptive Response to Starvation Dr. Bei-Wen Ying, Assistant Professor, Osaka University, Japan`



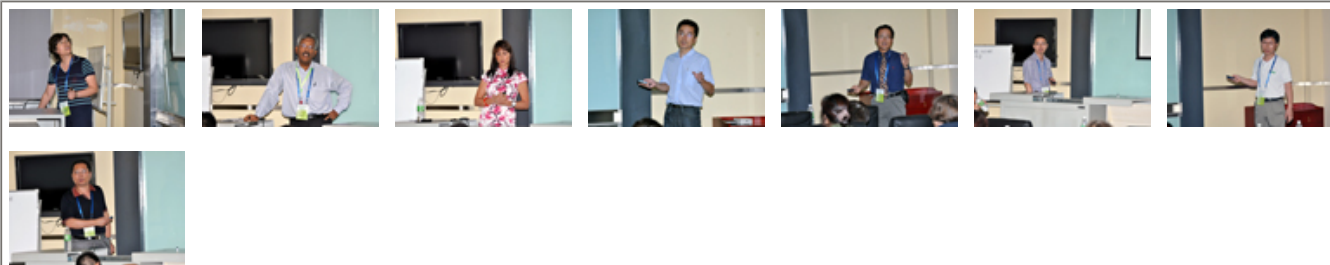
Track 2-2: Innovations in Metabolic Engineering Pathway Regulations
08:30-10:35, July 26, 2010, Monday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. Zhaohui Geng, Principal Scientist, Pfizer Inc, USA
Co-Chair:	Dr. Sunghoon Park, Professor, Pusan National University, Korea
08:30-08:35	Chair's Introduction
08:35-08:55	Title: Metabolic Engineering of Bacterial Strains for Production of 3-Hydroxypropionic Acid Dr. Sunghoon Park, Professor, Pusan National University, Korea
08:55-09:15	Title: Using Systematic Metabolite Analysis to Guide Cell Culture Process Optimization Dr. Zhaohui Geng, Principal Scientist, Pfizer Inc, USA
09:15-09:35	Title: Metabolic Engineering Pathways in <i>Lesquerella Fendleri</i> (L.) for Safe Hydroxy Fatty Acid Production Dr. Grace Chen, Research Plant Physiologist, U S Department of Agriculture, USA
09:35-09:55	Title: An Integrated Metabolic Engineering Platform for Clean Sustainable Bio-manufacturing of Chemical Products Dr. Jun Sun, Scientist, Genomatica, Inc., USA
09:55-10:15	Title: Deregulating Hydrolase Production in the Industrial Important Fungus <i>Trichoderma Reesei</i> - from Gene Regulation to Strain Improvement Dr. Robert L. Mach, Professor & Head of Gene Technology Group, Vienna University of Technology, Austria
10:15-10:35	Title: Development of Highly Active Enzyme Platform Systems to Accelerate Process Integration on Next Generation Biofuels, Biobased-chemicals and Other Key Industrial Sectors Dr. Marco A. Baez-Vasquez, Head International Bioenergy, Bioenertech International & Dyadic International, USA

Track 2-3: Highly Productive Fermentation, Cell Culture and Bioreactors
13:30-16:50, July 26, 2010, Monday, Classroom 4, 2F, North Building, DMPCH

Chair:	Dr. Lidietta Giorno, Director, Institute on Membrane Technology, ITM-CNR, Italy
Co-Chair:	Dr. Dongming Xie, Scientist, Dupont Company, USA
13:30-13:35	Chair's Introduction
13:35-13:55	Title: Membrane Bioreactors in Industrial Biotechnology Dr. Lidietta Giorno, Director, Institute on Membrane Technology, ITM-CNR, Italy
13:55-14:15	Title: Commercially Ready Yeast Biocatalyst for Cellulosic Ethanol Fermentation Dr. Pirkko Suominen, Director, Cargill Biotechnology Development Center, USA
14:15-14:35	Title: Production of Omega-3 Fatty Acids by Fermentation of Metabolically Engineered <i>Yarrowia Lipolytica</i> Dr. Dongming Xie, Senior Research Engineer, Dupont Company, USA
14:35-14:55	Title: AKR1C1-dependent Biotransformation with Recombinant Fission Yeast <i>Schizosaccharomyces pombe</i> Dr. Matthias Bureik, CEO, PomBioTech GmbH, Germany

14:55-15:15	Title: High Curdlan Productivity by Integration of Carbon/Nitrogen Sources Control and Sequential Fed-batch Bioreactors Operation Dr. Zhiyong Zheng, Associate Professor, Jiangnan University, China
15:15-15:30	Coffee Break
15:30-15:50	Title: Novel Wild-type Nitrogen-fixing Bacteria Produced Ammonia in Culture Broth Dr. Kenichi Iwata, Assistant Professor, Shibaura Institute of Technology, Japan
15:50-16:10	Title: Microbial Biofilms: A Concept for Industrial Catalysis Dr. Bettina Rosche, Senior Researcher, The University of New South Wales, Australia
16:10-16:30	Title: Recent Development in Glycerol-based Biorefinery: Biotechnological Production of D-glyceric Acid Dr. Hiroshi Habe, Research Scientist, National Institute of Advanced Industrial Science and Technology (AIST), Japan
16:30-16:50	Title: Production of Diacylglycerol Using Lipase in Hollow Fiber Membrane Bioreactor Dr. Heri Hermansyah, Associate Professor, University of Indonesia, Indonesia



Track 2-4: Robust Enzymes Development: From Mild to Extremophilic Enzymes
13:30-16:50, July 27, 2010, Tuesday, Classroom 2, 1F, North Building, DMPCH

Chair:	Dr. Junhua Tao, Professor, Institute of Sustainability, Hangzhou Normal University and CEO, Syncore Labs, China
Co-Chair:	Dr. Wensheng Qin, Research Chair, Lakehead University, Canada
13:30-13:35	Chair's Introduction
13:35-13:55	Title: Role of Lysosomes and Cathepsins in Fish Flesh Degradation Dr. Diane Bahuaud, Research Scientist, Norwegian University of Life Sciences, Norway
13:55-14:15	Title: Recent Advances of Biocatalysis in Developing Chiral APIs Dr. Junhua Tao, Professor, Institute of Sustainability, Hangzhou Normal University and CEO, Syncore Labs, China
14:15-14:35	Title: Characterization of Some Efficient Cellulase Producing Bacteria Isolated from Paper Mill Sludges and Organic Fertilizers Dr. Wensheng Qin, Research Chair, Lakehead University, Canada
14:35-14:55	Title: Thermostability: A Structural Approach Dr. Abu Bakar Salleh, Professor, Universiti Putra Malaysia, Malaysia
14:55-15:15	Title: Protein Folding Studies and Applications by Hyperstable Proteins Dr. Kazufumi Takano, Associate Professor, Osaka University, Japan
15:15-15:30	Coffee Break
15:30-15:50	Title: Organic Solvent-stable Proteases from Organic Solvent-tolerant Bacteria: Isolation, Characteristics, And Application in Peptide Synthesis Dr. Bingfang He, Vice Dean of College of Biotechnology and Pharmaceutical Engineering, Nanjing University of Technology, China
15:50-16:10	Title: Structure-based Protein Engineering for Bio-butanol Production Dr. Kyungjin Kim, Senior Research Scientist, Pohang University of Science and Technology, Korea
16:10-16:30	Title: Fabricating Nanoporous Nanofactories Entrapping Fe ₃ O ₄ Magnetic Nanoparticles and Oxidases for Colorimetric Biosensing Dr. Hyun Gyu Park, Professor, Korea Advanced Institute of Science & Technology (KAIST), Korea

16:30-16:50	Title: Construction the Whole-cell Biocatalyst of Lipase via Yeast Display System and Its Application in Bioconversions Dr. Hui Ruan, Associate Professor, Zhejiang University, China
-------------	--



Track 2-5: Biocatalysts Pointing at Bio-based Chemicals
13:30-16:45, July 27, 2010, Tuesday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. Richard Hughes, Senior Research Scientist, John Innes Centre, UK
Co-Chair:	Dr. Robert L. Mach, Professor & Head of Gene Technology Group, Vienna University of Technology, Austria
13:30-13:35	Chair's Introduction
13:35-14:10	Title: Plant Cytochrome P450 (CYP74) Enzymes: Biotechnological Improvements and Processes for the Production of Green Leaf Volatiles and Traumatol Dr. Richard Hughes, Senior Research Scientist, John Innes Centre, UK
14:10-14:45	Title: Engineering an N-acetylneuraminic acid Pathway into Trichoderma spp.: From Chitin to the Zanamivir Precursor N-acetylneuraminic acid by Whole Cell Catalysis Dr. Astrid R. Mach-Aigner, Research Group Leader, Vienna University of Technology, Austria
14:45-15:20	Title: Enzymatic Synthesis of Copolyesters from 3-hydroxybutyric Acid and Gluconolactone in Organic and Ionic Liquid Media Dr. Francisc Peter, Professor, University "Politehnica" of Timisoara, Romania
15:20-15:35	Coffee Break
15:35-16:10	Title: Production of Precursor Chemicals with Yeast and Filamentous Fungal Biocatalysts Dr. Marilyn Wiebe, Senior Research Scientist, VTT Technical Research Institute of Finland, Finland
16:10-16:45	Title: Enzymatic Reduction Processes in Vat Dyeing of Textile Fibres Dr. Mojca Bozic, Senior Researcher, University of Maribor, Slovenia

Track 3: Biomaterials for Engineering Applications

-Seek Super Functional New Materials



Track 3-1: Novel and Safe Biomaterial for Healthcare and Medicine (Part One)
13:30-16:45, July 25, 2010, Sunday, Classroom 4, 2F, North Building, DMPCH

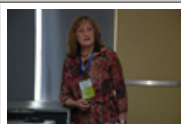
Chair:	Dr. Ashutosh Tiwari, Editor-in-chief and Member of ACS, USA
Co-Chair:	Dr. Hee-young Lee, President, KAST; Chief Doctor, Kangnam Plastic Surgery, Korea; CTO, Medikan, Korea, Medi-Khan Inc., USA
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Smart Nano-Biomaterials and Their Biomedical Applications Dr. Ashutosh Tiwari, Editor-in-chief and Member of ACS, USA
14:00-14:25	Title: Higher Clinical Results Using Cell Containing Scaffolds Fillers Dr. Hee-young Lee, President, KAST; Chief Doctor, Kangnam Plastic Surgery, Korea; CTO, Medikan, Korea, Medi-Khan Inc., USA
14:25-14:50	Title: Salmon Milt DNA as a Functional Material Dr. Norio Nishi, Managing Director of Nissei Bio Co. Ltd.; Professor Emeritus of Hokkaido University, Japan

14:50-15:15	Title: Development of Bioinspired Materials with Engineered Proteins Dr. Kazushi Kinbara, Professor, Tohoku University, Japan
15:15-15:30	Coffee Break
15:30-15:55	Title: Development of Bone-Like Hydroxyapatite/Collagen Nanocomposite for Medical Use. - Importance of Porosity Optimization for Stable Bone Regeneration in Critical Bone Defect - Dr. Masanori Kikuchi, Group Leader, National Institute for Materials Science, Japan
15:55-16:20	Title: Synthetic Biopolymers for Tissue Engineering Applications: 3D Scaffold and Rapid Prototyping Technology Dr. M. Enamul Hoque, Assistant Professor, University of Nottingham Malaysia Campus, Malaysia
16:20-16:45	Title: Edible Phytochemicals for Bone Engineering Dr. Ricky Wong, Associate Professor, University of Hong Kong, Hong Kong, China



Track 3-1: Novel and Safe Biomaterial for Healthcare and Medicine (Part Two)
08:30-11:20, July 26, 2010, Monday, Classroom 4, 2F, North Building, DMPCH

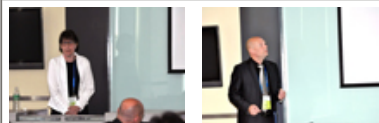
Chair:	Dr. Noemi Rozlosnik, Associate Professor, Technical University of Denmark, Denmark
Co-Chair:	Dr. Yong Wang, Assistant Professor, University of Connecticut, USA
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Aptamer Modified Conductive Polymers in Medical Diagnostics Dr. Noemi Rozlosnik, Associate Professor, Technical University of Denmark, Denmark
09:00-09:25	Title: Creation of Biomimetic Materials with Nucleic Acids as Fundamental Structural Components Dr. Yong Wang, Assistant Professor, University of Connecticut, USA
09:25-09:50	Title: Enzymatically Degradable Thermogelling Polymer for Biomedical Applications Dr. Byeongmoon Jeong, Associate Professor, Ewha Womans University, Korea
09:50-10:15	Title: Nanotechnology: Applications in Healthcare Dr. Seeram Ramakrishna, Professor, National University of Singapore and Donghua University, Singapore
10:15-10:30	Coffee Break
10:30-10:55	Title: Biological Evaluation of a Novel Material for Use in Peripheral Nerve Regeneration Dr. Xiaofang Zhang, Researcher, Cork Institute of Technology, Ireland
10:55-11:20	Title: Polymeric Matrixes Design from Collagen and Chitosan Using Discard Materials for Potential Applications in Tissue Engineering Dr. Miguel Rojas, Researcher, Technological Institute of Costa Rica, Costa Rica



Track 3-1: Novel and Safe Biomaterial for Healthcare and Medicine (Part Three)
13:30-16:45, July 26, 2010, Monday, Classroom 5, 2F, North Building, DMPCH

Chair:	Dr. Ashutosh Tiwari, Editor, Smart Polymeric Materials for Biomedical Applications, Nova Science Publishers, Inc.; Professor, National Institute of Materials Science, Japan
Co-Chair:	Dr. Jason Y. Gu, Professor, Tunghai University, Taiwan
13:30-13:35	Chair's Introduction

13:35-14:00	Keynote Speech: Title: DNA and siRNA Delivery Using Chitosan Derivatives <i>in Vitro</i> and <i>in Vivo</i> Dr. Chong-Su Cho, Professor, Seoul National University, Korea
14:00-14:25	Title: Polymeric Drug Delivery Systems for Targeting Radiopharmaceuticals Dr. Martin Hruby, Researcher, Institute of Macromolecular Chemistry, Czech Academy of Sciences, Czech Republic
14:25-14:50	Title: Medicinal Potential in a Prenylated Flavonoid from the Argentine Plant <i>Dalea Elegans</i> Dr. Cristina Perez, Professor, Universidad de Buenos Aires, Argentina
14:50-15:15	Title: The Impact of Microemulsion Formulation on the Pharmacokinetic and Pharmacodynamic Characteristics of Propofol, An Intravenous Hypnotic Agent Dr. Gyujeong Noh, Professor, University of Ulsan College of Medicine, Korea
15:15-15:30	Coffee Break
15:30-15:55	Title: Asymmetrically Porous Membranes for Effective Guided Tissue Regeneration Dr. Jin Ho Lee, Professor, Hannam University, Korea
15:55-16:20	Title: Characterization of DNA Mutation by a PEDOT Modified Platinum DNA Biosensor Dr. Jason Y. Gu, Professor, Tunghai University, Taiwan
16:20-16:45	Title: Enzymatic Functionalisation of Protein (Wool) and Chitosan-based Fibre-forming Polymers for Healthcare Application Dr. Vanja Kokol, Assistant Professor, University of Maribor, Slovenia



Track 3-2: Design and Bioprocess Development for Nanomaterials

10:30-11:40, July 26, 2010, Monday, Classroom 3, 1F, North Building, DMPCH

Chair:	Dr. Peter Gnauck, Manager, Carl Zeiss SMT - Nano Technology Systems Division, Germany
Co-Chair:	Dr. Maija-Liisa Mattinen, Senior Research Scientist at VTT, Docent at University of Helsinki, Finland
10:35-10:40	Chair's Introduction
10:40-11:00	Title: FIB-nanotomography of Biological Cell Tissue and Investigation of Interfaces between Tissue and Biocompatible Materials Dr. Peter Gnauck, Manager, Carl Zeiss SMT - Nano Technology Systems Division, Germany
11:00-11:20	Title: Enzymatic Modification of Proteins to Functional Nanomaterials Dr. Maija-Liisa Mattinen, Senior Research Scientist at VTT, Docent at University of Helsinki, Finland
11:20-11:40	Title: Development of Graphene Oxide/Fe ₃ O ₄ Nanocomposite for Combined Photodynamic and Hyperthermia Therapy Dr. Donglu Shi, Professor, University of Cincinnati, USA

Track 3-3: Biodegradable Synthetic Polymers or Bioplastics by Fermentation

13:30-17:10, July 26, 2010, Monday, Classroom 6, 2F, North Building, DMPCH

Chair:	Dr. Rao Y. Surampalli, Professor, University of Nebraska, USA
Co-Chair:	Dr. Jun Xu, Associate Professor, Tsinghua University, China
13:30-13:35	Chair's Introduction
13:35-14:00	Keynote Speech: Title: Emerging Contaminants of Environmental Concern Dr. Rao Y. Surampalli, Professor, University of Nebraska, USA
14:00-14:25	Title: Replacing Petroleum Based Chemicals Dr. Samuel McConnell, Senior Vice President, Corporate Development, Myriant Technologies LLC, USA

14:25-14:50	Title: Application of Carbon-rich Waste Streams for Polyhydroxyalkanoate Production Dr. Martin Koller, Senior Researcher, Graz University of Technology, Austria
14:50-15:15	Title: Defined Shaping and Process Strategy for an Emerging Biopolymer - bacterial Synthesized Nanocellulose Dr. Nadine Hessler, Researcher, Friedrich-Schiller University, Germany
15:15-15:30	Coffee Break
15:30-15:55	Title: Physical Properties and Processing of Biodegradable Polyhydroxyalkanoates Dr. Jun Xu, Associate Professor, Tsinghua University, China
15:55-16:20	Title: Bio-material: An Emerging Value Chain Dr. Lijuan Zhang, Senior Business Manager, White Biotechnology, DSM (China) Ltd., China
16:20-16:45	Title: Lactic Acid and Succinic Acid for Bio-plastics PLA and PBS Dr. K. Jim Jem, General Manager, Purac China, China
16:45-17:10	Title: Biodegradable Polymers of Microbial Origin for Sustainable Environment Dr. A S Patil, Principal of PSGVP Mandal's Shri S I Patil Arts, G B Patel Science and STSKVS Commerce College, India



Track 3-4: Special Biomaterials Tolerating Extreme Conditions and Exploitation of Biowastes 13:30-15:30, July 27, 2010, Tuesday, Classroom 4, 2F, North Building, DMPCH

Chair:	Dr. Liqun Zhang, Professor, Beijing University of Chemical Technology, China
Co-Chair:	Dr. Yaolin Zhang, Research Scientist, FPIInnovations - Forintek Division, Canada
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Special Bionanomaterials for Priming Tomato Seeds Post Potential Virus Resistance Dr. Nagwa Mohamed Amin Aref, Professor, College of Science, King Saud University, Saudi Arabia
14:00-14:25	Title: Combining Biotechnology and Nanotechnology to Create New Generation Elastomer-biobased Engineering Elastomer Dr. Liqun Zhang, Professor, Beijing University of Chemical Technology, China
14:25-14:50	Title: Development of Lignin-based Phenolic Resin for Wood Composites Application Dr. Yaolin Zhang, Research Scientist, FPIInnovations - Forintek Division, Canada
14:50-15:15	Title: Preparation and Antibacterial Property of Cu Foam Materials Dr. Yunsong Niu, Associate Engineer, Chinese Academy of Sciences, China
15:15-15:30	Coffee Break

Track 4: Environment & Cleantech Biotechnology

-Friendly Remediation for the Damages



Track 4-1: Risk Assessment and Environmental Monitoring Techniques (Biosensors, Bioreactor and Bio-membrane/Film) 08:30-12:10, July 26, 2010, Monday, Classroom 5, 2F, North Building, DMPCH

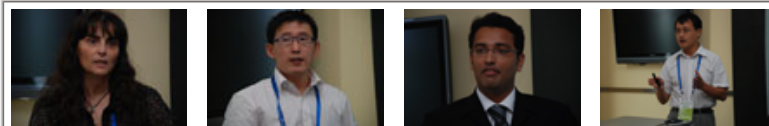
Chair:	Dr. Giulia Guerriero, Professor, Federico II University of Naples, Italy
--------	--

Co-Chair:	Dr. Yu Lei, Assistant Professor, University of Connecticut, USA
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Environmental Monitoring Systems to Detect Airborne and Waterborne Microbes Dr. Hyo-II Jung, Professor, Yonsei University, South Korea
09:00-09:25	Title: Rapid and Selective Detection of Staphylococcus Aureus Using Insulated Substrate Impedance Transducers Dr. Xiaohui Tang, Senior Researcher, Université catholique de Louvain, Belgium
09:25-09:50	Title: Biosensors for Environmental Monitoring Dr. Yu Lei, Assistant Professor, University of Connecticut, USA
09:50-10:15	Title: Comparison between Loop-mediated Isothermal Amplification and Real-time PCR on <i>Cryptosporidium</i> DNA Detection Method without DNA Purification Dr. Takahiro Sekikawa, Assistant Professor, University of Shizuoka, Japan
10:15-10:30	Coffee Break
10:30-10:55	Title: Metal Constituents of Suspended Nanoparticulates in Jiddah Atmosphere Affecting Human Health Dr. Omar Ali Al-Zain, Professor, King Abdulaziz University, Saudi Arabia
10:55-11:20	Title: Biological Pollution Risk Assessment and Biodiversity Monitoring Dr. Giulia Guerriero, Professor, Federico II University of Naples, Italy
11:20-11:45	Title: SWITCH (Salmonella weighting Induced Toxicity Cyt/Geno Tox for human health). A Bacterial Luminofluorescens Assay for Acute Toxicity Testing Dr. M.P. Weisshaar, Professor, University of Applied Sciences, Germany
11:45-12:10	Title: Antibiotics and Antibiotics Resistance Genes in Sewage Dr. Tong Zhang, Assistant Professor, The University of Hong Kong, Hong Kong, China

Track 4-2: Cost-Effective Microbial Blends and Remediation Nutrients

08:30-10:15, July 26, 2010, Monday, Conference Room I, 2F, North Building, DMPCH

Chair:	Dr. Ainon Hamzah, Associate Professor, Universiti Kebangsaan Malaysia, Malaysia
Co-Chair:	Yaohui Bai, Scientist, Peking University, China
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Degradation of Crude Oil in Soil Using Fungal Consortia with Addition of Nutrients Dr. Ainon Hamzah, Associate Professor, Universiti Kebangsaan Malaysia, Malaysia
09:00-09:25	Title: Coupling of Pyridine and Quinoline Biodegradation by Mixed Bacterial Strains and Ammonium Adsorption by Modified Zeolite Dr. Yaohui Bai, Scientist, Peking University, China
09:25-09:50	Title: Nitrate Removal from Brines Originating from Desalination of Groundwater Dr. Michal Green, Professor, Technion, Israel
09:50-10:15	Title: Siderophore Producing PGPR as Eco-friendly Biocontrol Agent Dr. Sayyed R Z, Assistant Professor in Microbiology, Shri S. I. Patil Arts, G. B. Patel Science and STSKVS Commerce College, India
10:15-10:30	Coffee Break



Track 4-3: Efficient Biotech in Municipal and Industrial Waste Treatment

08:30-12:10, July 27, 2010, Tuesday, Classroom 5, 2F, North Building, DMPCH

Chair:	Dr. Yu Tian, Professor, Harbin Institute of Technology, China
--------	---

Co-Chair:	Dr. Xinmin Zhan, Lecturer, National University of Ireland, Ireland
08:30-08:35	Chair's Introduction
08:35-09:00	Title: Sludge Reduction Induced by Aquatic Worms during Wastewater Treatment Dr. Yu Tian, Professor, Harbin Institute of Technology, China
09:00-09:25	Title: Partial Nitrification in Intermittently-aerated Sequencing Batch Reactors (IASBRs) Treating Separated Liquid after Anaerobic Digestion of Pig Manure Dr. Xinmin Zhan, Lecturer, National University of Ireland, Ireland
09:25-09:50	Title: High Temperature-treatment of Waste Food in Urban Area and Exploitation of Resulted Material to Live Stock Feed Dr. Takateru Ishimori, Researcher, Niigata University, Japan
09:50-10:15	Title: Effect of Low Temperature Carbonization of Chicken Manure at 400°C and Its Exploitation to Fertilizer Dr. Hidetaka Hori, Professor, Niigata University, Japan
10:15-10:30	Coffee Break
10:30-10:55	Title: Spirit Lees Utilization via Circulating Fluidized Bed Decoupling Combustion: Characterization of Pyrolysis Dr. Guangwen Xu, Professor, Chinese Academy of Sciences, China
10:55-11:20	Title: Oxidative Enzyme Systems from White Rot Fungi: Removal of Organic Micropollutants in Novel Bioreactors Dr. Rakesh Nair, Researcher, Université Catholique de Louvain, Belgium
11:20-11:45	Title: Fungi Enzymes and Their Potential for Wastewater Treatment Dr. Ana C. Freitas, Assistant Professor, Instituto Piaget, Portugal
11:45-12:10	Title: Microbial Community Analysis Involved in Activated Sludge System with an Extended Period Performing Enhanced Biological Phosphorus Removal Dr. Xiao-ming Li, Professor, Hunan University, China



Track 4-4: Sludge Pond and Polluted Soil Bioremediation and Bioaugmentation
15:30-17:35, July 27, 2010, Tuesday, Classroom 4, 2F, North Building, DMPCH

Chair:	Dr. Thierry Lebeau, Professor, University of Haute Alsace, France
Co-Chair:	Dr. Daniel van der Lelie, Scientist, Brookhaven National Laboratory, USA
15:30-15:35	Chair's Introduction
15:35-16:00	Title: Bioaugmentation for in Situ Soil Remediation: How to Ensure the Success of Such a Process Dr. Thierry Lebeau, Professor, University of Haute Alsace, France
16:00-16:25	Title: Arsenic Bioremediation by Using as(III)-oxidizing and As(V)-respiring Bacteria, with Arsenic Sulphide Precipitation Dr. Milva Pepi, Researcher, University of Siena, Italy
16:25-16:50	Title: Bioaugmentation with Endophytic Bacteria to Improve Sustainable Biofuel Feedstock Production Combined with Bioremediation Dr. Daniel van der Lelie, Scientist, Brookhaven National Laboratory, USA
16:50-17:15	Title: Passive Bioremediation Technologies of Soil and Groundwater Using Anaerobic Microbial Populations Dr. Arata Katayama, Professor, Nagoya University, Japan
17.15-17:35	Title: Investigating Crucial Factors Influencing Bioremediation Efficiency of Petroleum Contaminant Oriented Microorganisms Based on Multi-scale Experiments Dr. Yuefei Huang, Associate Researcher, Tsinghua University, China

Track 5: Bioprocess for Biologic Drug Development



Track 5-1: Cell Line and Cell Culture Development

13:30-15:40, July 25, 2010, Sunday, Classroom 5, 2F, North Building, DMPCH

Chair:	Dr. Jiewei Wei, CEO, Australian Biobest Biotechnology Service, Australia
Co-Chair:	Dr. Norman Y. S. Woo, Professor & Chairman, The Chinese University of Hong Kong, China
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Generation of CHO Cell Line for Producing Humanized Monoclonal Antibody Dr. Jiewei Wei, CEO, Australian Biobest Biotechnology Service, Australia
14:00-14:25	Title: A Fibroblast Cell Line Derived from the Caudal Fin of Silver Sea Bream <i>Sparus Sarba</i> Dr. Norman Y. S. Woo, Professor & Chairman, The Chinese University of Hong Kong, China
14:25-14:50	Title: High-throughput Microbial and Mammalian Cell Screening and Process Development Using Biolector Dr. John Guan, Senior Product Manger, Bio Scientific Supplies Co.,Ltd, China.
14:50-15:15	Title: Long-term Culture of Spermatogonial Stem Cells from Sheep Dr. Yingji Wu, Professor, Inner Mongolla University, China
15:15-15:40	Title: Novel Approach to Chemically Defined Platform Medium and Feed Development for CHO Cell Culture Dr. Xiaojian (David) Zhao, Director of Research and Development, EMD Chemicals Inc., USA



Track 5-2: Purification Process Development

08:30-10:35, July 26, 2010, Monday, Classroom 6, 2F, North Building, DMPCH

Chair:	Dr. Marcelo Fernandez-Lahore, Professor, Jacobs University, Germany
Co-Chair:	Dr. Dongqiang Lin, Professor, Zhejiang University, China
08:30-08:35	Chair's Introduction
08:35-08:55	Title: A Surface Energetics Approach to Understand the Performance of Expanded Bed Systems Dr. Marcelo Fernandez-Lahore, Professor, Jacobs University, Germany
08:55-09:15	Title: Aqueous Two-phase Purification of Pharmaceutical DNA with the Aid of Specific Ligands Dr. João Carlos Marcos, Assistant Professor, University of Minho, Portugal
09:15-09:35	Title: Innovative Developments in the Recovery of Biopharmaceutical Products Dr. Ir. Emile J. A. X. van de Sandt, Principal Scientist, DSM Biotechnology Center, The Netherlands
09:35-09:55	Title: Mixed-mode Ligands for Bio-product Recovery and Purification Dr. Dong-Qiang Lin, Professor, Zhejiang University, China
09:55-10:15	Title: Hybrid Chromatography-crystallization Separation Process for Natural Product Purification Dr. Haiyan Qu, Assistant Professor, University of Southern Denmark, Denmark
10:15-10:35	Title: Biopartitioning of Biological Products Dr. Marco Rito-Palomares, Professor, Tecnológico de Monterrey, Mexico

Track 5-3: Analytical Biochemistry and Formulation Process Development
 10:35-11:40, July 26, 2010, Monday, Classroom 6, 2F, North Building, DMPCH

Chair:	Dr. Guanghua Zhao, Professor, Member of ACS, China
Co-Chair:	Dr. Naomichi Baba, Professor, Okayama University, Japan
10:35-10:40	Chair's Introduction
10:40-11:00	Title: A Combination of Molecular Probes with Tandem Electrospray Ionization Mass Spectrometry and Its Application Dr. Naomichi Baba, Professor, Okayama University, Japan
11:00-11:20	Title: Light Scattering Application in Phytoferritin Association and Dissociation Regulated by Ferric Ion Dr. Guanghua Zhao, Professor, Member of ACS, China
11:20-11:40	Title: Selection Criteria for Partnering in Upstream Bioprocess Development Dr. William G. Whitford, Manager, Thermo Fisher Scientific, USA

Track 6: Agricultural Biotechnology

-Secure the Safety, Quality, Nutrition and Natural Products



Track 6-1: The Role of Ag-biotech Innovation for National and International Sustainable Growth
 13:30-15:15, July 25, 2010, Sunday, Classroom 6, 2F, North Building, DMPCH

Chair:	Dr. Dilantha Fernando, Professor, University of Manitoba, Canada
Co-Chair:	Dr. Oliver Yu, Associate Professor, Danforth Plant Science Center, USA
13:30-13:35	Chair's Introduction
13:35-13:55	Title: Pyrosequencing and Terminal-restriction Fragment Length Polymorphism (T-RFLP) are Useful Tools in Ag-biotech Innovation to Give Novel Information on Bacterial Communities That Influence Plant Health for Sustainable Growth under Different Cropping Systems Dr. Dilantha Fernando, Professor, University of Manitoba, Canada
13:55-14:15	Title: CNSL: From Waste of the Cashew Agro-industry to Precious Renewable Resource for Bio-based Fine Chemicals and New Materials Dr. Giuseppe Mele, Professor, University of Salento, Italy
14:15-14:35	Title: The International Industrial Biotechnology Network: A North-South/South-South Cooperation Network on Novel Biomaterials Dr. Ivan L. Ingelbrecht, Program Manager, University Ghent, Belgium
14:35-14:55	Title: Increasing Oil Content of Soybean by Metabolic Engineering Dr. Oliver Yu, Associate Professor, Danforth Plant Science Center, USA
14:55-15:15	Title: The Function of Constructed Wetland in Reduction of Heavy Metal Accumulations in Food Crops Dr. Yingmei Zhang, Professor, Lanzhou University, China
15:15-15:30	Coffee Break

Track 6-2: Profitable Industrial Materials from Agricultural Products: From Biomass to Additives and Animal Feeds
 10:30-11:50, July 26, 2010, Monday, Conference Room I, 2F, North Building, DMPCH

Chair:	Dr. Xiu-Qing Li, Research Scientist, Agriculture and Agri-Food Canada, Canada
Co-Chair:	Dr. Bingsong Zheng, Professor, Zhejiang Forestry University, China

10:30-10:35	Chair's Introduction
10:35-11:00	Title: Production of Platform Chemicals by Plants: Lysine and Itaconic Acid Dr. Andries Koops, Business Unit Manager, Plant Research International, Netherlands
11:00-11:25	Title: Effects of Various Genetic Factors on Starch Granule Sizes in Potato and Sweetpotato Dr. Xiu-Qing Li, Research Scientist, Agriculture and Agri-Food Canada, Canada
11:25-11:50	Title: The Primary Analysis of Genetic Diversity in Miscanthus Dr. Bingsong Zheng, Professor, Zhejiang Forestry University, China



Track 6-3: Plants for Future

13:30-16:20, July 27, 2010, Tuesday, Classroom 5, 2F, North Building, DMPCH

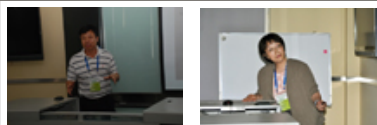
Chair:	Dr. Tomas Vanek, Head of Laboratory of Plant Biotechnologies, Joint Laboratory of Institute of Experimental Botany, Czech
Co-Chair:	Dr. Tsai Pi-Jen, Professor, National Pingtung University of Technology and Science, Taiwan
13:30-13:35	Chair's Introduction
13:35-14:00	Title: Microalgae Biorefining, Beyond the Fuel Vs. Food Controversy Dr. Jean François Jenck, President, Algosource Technologies, France
14:00-14:25	Title: Plants for Environment Protection – Now and in the Future Dr. Tomas Vanek, Head of Laboratory of Plant Biotechnologies, V.V.I. and Research Institute of Crop Production, Czech
14:25-14:50	Title: Characterized Plant Genes for Improvement of Crop Yield Stability and Quality Dr. Jaroslava Ovesna, Research Director, Crop Research Institute, Czech
14:50-15:15	Title: Plant Hormone Functions in Abiotic Stress Responses and Their Utilization in Elevation of Plant Stress Tolerance Dr. Radomira Vankova, Senior Scientist, Institute of Experimental Botany AS CR, Czech
15:15-15:30	Coffee Break
15:30-15:55	Title: Nutrition and Functional Ingredients of Djulis in Taiwan Dr. Tsai Pi-Jen, Professor, The Taiwanese Agricultural Chemical Society, Taiwan; Member, American Chemical Society, USA
15:55-16:20	Title: Syngenta Committed Biotech Innovation to Meet Global Sustainable Growth and Need Dr. YuPing Lu, Section Head of Trait Research & Technologies, Syngenta Biotechnology (China) Co., Ltd, China

Track 6-4: Bio-Fertilizers and Biomolecules as Pest Control Agents and Herbicides

16:20-17:35, July 27, 2010, Tuesday, Classroom 5, 2F, North Building, DMPCH

Chair:	Dr. Fangneng Huang, Associate Professor, Louisiana State University Agricultural Center, USA
Co-Chair:	Dr. Prem D. Kharbanda, Scientist Emeritus, Alberta Innovates-Technology Futures, Canada
16:20-16:25	Chair's Introduction
16:25-16:45	Title: Sustainable Use of Transgenic Bt Crops: Successes, Challenges, and Strategies Dr. Fangneng Huang, Associate Professor, Louisiana State University Agricultural Center, USA
16:45-17:10	Title: Future of Biofertilizers for Sustainable Agriculture in Asian Countries Dr. M. S. Reddy, Professor, Auburn University, USA
17:10-17:35	Title: Present Status of Disease Bio-control in Canada and USA and Developmental Opportunities Using a New Strain of <i>Paenibacillus Polymyxa</i> Dr. Prem Kharbanda, Scientist Emeritus, Alberta Innovates-Technology Futures, Canada

Track 7: Marine Biotechnology

-Not Fully Uncovered Gold Mine

Track 7: Marine Biotechnology

15:30-16:55, July 25, 2010, Sunday, Classroom 6, 2F, North Building, DMPCH

Chair:	Dr. Qingfang He, Professor, University of Arkansas Little Rock, USA
Co-Chair:	Dr. Pengcheng Fu, Professor, China University of Petroleum, China
15:30-15:35	Chair's Introduction
15:35-15:55	Title: Microalgae Platform for the Production of Plant Secondary Metabolites Dr. Qingfang He, Associate Professor, University of Arkansas at Little Rock, USA
15:55-16:15	Title: Integrated Analysis of Marine Zooxanthellae: Bioengineering, Artificial Bleaching and Metabolite Profiling Dr. Pengcheng Fu, Professor, China University of Petroleum, China
16:15-16:35	Title: Phylogenetic Diversity of Microbial Consortia in Marine Sponges in Intertidal Zone Dr. Miyuki Nishijima, Researcher, TechnoSuruga Laboratory Co., Ltd, Japan
16:35-16:55	Title: Bio-Butanol Production Using Algal Biomass: an Economical and Green Alternative for Rising Fuel Crisis Dr. Saurabh Saran, Research Professor, Myongji University, Korea



© 2008-2010 All right reserved for BIT Conferences
Tel: 0086-411-84799609, Fax: 0086-411-84799629

Meilleures correspondances pour 3. World Congress of Industrial Biotechnology 2010 chine

BIT's 3rd World Congress of Industrial Biotechnology 2010 (ibio-2010) Time: July 25-27, 2010 Place: Dalian, China Tentative Scientific...
[Accéder au texte »](#)

[« Moins de résultats](#) [Plus de résultats »](#)