



The Ministry Of Scientific Research

Under The Umbrella Of

The France-Egypt Year Of Science And Technology, 2010

The International Workshop On Industrial Biotechnology

*Under The Patronage
Of*

**H.E. Prof. Dr. Hany M. Helal
Minister Of Higher Education & State Ministry Of Scientific
Research**

&

**H.E. Prof. Dr Maged M. Al-Sherbiny
President Of The Academy Of Scientific Research And
Technology**

From July 3-4, 2010
Movenpick Hotel Cairo Media City

6Th Of October District, Egypt

The Workshop Is Co-Organized With:

**The Egyptian Organization For Standardization And Quality
(EOS)
&**

**The General Authority For Economic Zone-North West Gulf Of
Suez (SEZone)**

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The International Workshop On Industrial Biotechnology
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- **Prof. Dr Mamdouh Kamel**, Genetics & Genetic Engineering Dep., Faculty Of Agriculture, Zagazige University
 - **Dr. Ahmed Omar**, Biochemistry Department, Faculty Of Agriculture, Zagazige University

Day One: 3 July 2010

Time	Title	Speaker
09:00-10:00	Registration	
10:00-10:15	Opening Ceremony	Prof. Dr Maged M. Al-Sherbiny, President Of The Academy Of Scientific Research And Technology, & Minister Assistant Mr. Jean-Félix PAGANON , The French Ambassador To Egypt
10:15-10:30	The Economic Importance Of Industrial Biotechnology	Dr. Iain Gillespie Head Of Science & Technology Policy Division Directorate For Science, Technology And Industry, OECD, France
10:30-10:45	Specification Of Biotechnological Products In Egypt	Dr. Eng. Hany Barakat, First Undersecretary For Foreign Relations And International Agreements, President Of The Egyptian Organization For Standardization And Quality, The Ministry Of Industry & Trade, Egypt
10:45-11:00	An Opportunity For Sustainable Investments	Mr. Ahmed Amin, Chairman, The General Authority For Economic Zone-North West Gulf Of Suez (SEZone), Egypt
11:00-11:15	The Priority Policy Issues For Industrial Biotechnology And Green Growth	Dr. Marvin Duncan, Chairman Of The OECD Task Force On Industrial Biotechnology, Senior Agricultural Economist, Office Of Energy Policy And New Uses, USDA, United States
11:15-11:30	Nurturing Young Biotech Companies Through A Co-Development Process : The Genopole Offer	Dr. Gabriel Mergui, Director Genopole International, & Dr. Eric Lameignère, Director Of Genopole Enterprises, France
11:30-11:45	First Biotechnology Operation In The Middle East: A Case Study	Dr. Jan Rohde, Research & Development Department, Rhein Minapharm, Egypt
11:45-12:00	The Future Of Agro Food Parks	Dr. A K Krishnakumar, Chief Operating Officer, IL&FS CDI, India
12:00-12:30	Coffee Break	
12:30-14:00	Bio-Industry Session Moderator: Dr A. Ilyas. Agri Science Park, ICRISAT, India	
12:30-12:45	Industrial Fermentation Technology: A Business Opportunity For Investors	Prof. Dr. Mohamed Eid, The Agricultural Research Center, Egypt
12:45-13:00	Success Stories In Molecular Farming - From Bench To Bedside	Prof. Dr. Loïc Faye, CEO, Biotech Company ANGANY Genetics, France
13:00-13:15	Strategies For Production Of Swine Flu Vaccine	Dr. Mohamed Ramadan Hassan, VACSERA, Egypt
13:15-13:30	Practical Industrial Biotechnology – Fermented Foods	Dr. Ahmed Mandour, Food Technology Center, Director, The Ministry Of Industry & Trade, Egypt
13:30-13:45	Agro-Food Industry In France: The Linkage Between Research And Industry	Dr. Christophe Cotillon, Head Of The French Association Of Technical Centers For The Agro-Food Industry, France
13:45-14:00	Contribution To Measure Economic, Security, Environmental Balance In The European Biogas Fuel Experience	Dr. Marc Mestrel, Societe D'Expertises Europeennes, France
14:00-15:00	Lunch	

15:00-16:30	Bio-Industry Session, Cont.,	
	Moderator: Dr A. Ilyas. Agri Science Park, ICRISAT, India	
15:00-15:15	A Kinetic Predictability Study Of Cellulase Effectiveness For Cellulosic Fuel Or Fibre Hydrolysis	Mr. Utpal Das, Epygen Company, Dubiotech Park, UAE
15:15-15:30	Bioinformatics Services Out Of Nile University	Dr Mostafa Ghanem And Dr Mohamed Abou-El-Hoda, Nile University, Egypt
15:30-15:45	New Nile Co: An Integrated Seawater Agriculture System Project	Eng. Tamer M. Nassar, Regional Vice President, Energy Allied International, Egypt.
15:45-16:00	Biofuel From Agro-Industrial Wastes	Prof. Dr. Elshahat Mohamed Ramadan Heliopolis Academy (SEKEM) & Biofuel Projects Manager, Egypt
16:00-16:15	Organic For Biotechnology	Dr. Hamed El-Nagar, Kafr El Zayat Pesticides And Chemicals Co., Egypt
16:15-16:30	The Future Of Algae Biofuel In Africa And The Middle East	Prof. Dr. Mohammad I. Abdel-Hamid, PetrOtech-FFN Egypt
16:30-17:00	Coffee Break	
17:00-18:00	Therapeutic Protein, Biomedical Research And Medical Plants (1)	
	Moderator: Prof. Thomas Haertlé	
	Hall (1)	
17:00-17:15	The Design Of Target-Specific Clot Busters Through Protein Engineering Approaches	Prof. Dr. Girish Sahni, Director Of Institute Of Microbial Technology, India
17:15-17:30	Modified Proteins As Antiviral Agents	Prof. Dr. Mahmoud Sitohy, Faculty Of Agriculture, Zagazig University, Egypt
17:30-17:45	Molecular Genetics Of Human Disease	Dr. Hesham Abdeen, Belfast City Hospital, Belfast, UK
17:45-18:00	Screening Of Egyptian Plants As Anti-Leukemic Agents	Prof. Dr. Hany El-Shemy, Faculty Of Agriculture, Cairo University, Egypt
17:00-18:00	Enzymes Session	
	Moderator: Dr Ahmed Omar	
	Hall (2)	
17:00-17:15	New Trends In Microbial Enzymes Bioprocessing And Enzyme Engineering.	Prof. Dr. Yasser R. Abdel Fattah, Mubarak City For Scientific Research And Technology Applications, Egypt
17:15-17:30	Synthesis Of A Novel Protein-Based Plastics From Blood Albumin Using Subcritical Water Technology	Dr. Wael Abd El-Moez, Osaka Prefecture University, Japan
17:30-17:45	The Use Of Anaerobic Enzymes And Bacteria In Animal Feed Industry	Prof. Dr. Hany Gado, Faculty Of Agriculture, Ain Shams University, Egypt
17:45-18:00	Preparation And Characterization Of Nano-Biocatalysts For Industrial Biotechnology	Dr. Mohamed Samir Mohyeldin, Mubarak City For Scientific Research And Technology Applications, Egypt

- *There Will Be Parallel Sessions On Business-To-Business Discussions (B2B).*
- *Presentation Time Is 15 Min Including 12 Minutes For Presentation And 3 Minutes For Discussion.*
- *Posters Will Be Displayed Through Out The Entire Conference Duration.*

Day Two: 4 July 2010

10:00-11:45	<u>Food Processing Session</u> Moderator: Prof. Dr Hany El-Shemy Hall (1)	
10:00-10:15	Innovations In Food Biotechnology And challenges In 21 st Century	Prof. Dr. Abd-El-Aziem Farouk Gad, Taif University, KSA
10:15-10:30	The Development Of Starter Cultures For The Dairy Industries	Prof. Dr. Morsi El Soda. Alex. University, Egypt
10:30-10:45	Engineering Of Dairy Proteins. Changes Of The Structures, Interactions And Immuno-Reactivates	Prof. Dr. Thomas Haertlé FIPL, BIA, Institut National de la Recherche Agronomique, Nantes, France
10:45-11:00	The DIC Technology As New Trends In The Agro-Industry Processes Of Drying, Extraction And Decontamination For Valorizing Agroresources	Prof. Dr. Karim Allaf, Department Of Process Engineering - La Rochelle University, France
11:00-11:15	Effect Of Management Practices On Milk Composition In Dairy Buffaloes	Prof. Dr. Muhammad Subhan Qureshi, Agricultural University, Peshawar, Pakistan
11:15-11:30	Molecular Diversity And Industrial Characteristics Of <i>Streptococcus thermophilus</i>	Dr. Walid M. El-Sharoud, Faculty Of Agriculture, Mansoura University, Egypt.
11:30-11:45	Pre-Biotics - Lessons For Industrial Functional Food Biotechnology	Dr. Reyed Mohamed Reyed, Mubarak City For Scientific Research and Technology Applications, Egypt
10:00-12:00	<u>Environnemental Protection</u> Moderator: Dr. Marc Mestrel, Societe Hall (2)	
10:00-10:15	Biopesticides vs Pesticides: Present Status And Future Prospects	Prof. Dr. Nabil A. Mansour, Fac. Of Agriculture, Alexandria University, Egypt
10:15-10:30	Pesticides And Alternatives	Prof. Dr. Mohamed Belal, Faculty Of Agriculture, Cairo University, Giza, Egypt
10:30-10:45	Biotechnology Aspects Of Biocontrol Agents For Plant Diseases Management.	Prof. Dr. Wafaa Hagag, National Research Center, Egypt
10:45-11:00	Biological Treatment Of Hydrocarbon Contaminants: Petroleum Hydrocarbon Uptake By <i>Pseudomonas alkanolytica</i> .	Dr. Gaber M. Idris, King Abdulaziz University, KSA
11:00-11:15	Preparation And Physical Modification Of Gelatin Films	Dr. Emad A. Soliman, Mubarak City For Scientific Research and Technology Applications, Egypt
11:15-11:30	Environmental Biotechnology: In House Contributions	Dr. Desouky A. M. Abd-El-Haleem, Mubarak City For Scientific Research and Technology Applications, Egypt
11:30-11:45	Estimating Numbers Of Entomopathogenic Nematodes In Citrus Orchard Soil Samples Using Real Time QPCR	Dr. Fahiem E. El-Borai, Faculty Of Agriculture, Zagazige University
11:45-12:00	Phytoremediation: Using Plants And Microorganisms To Clean Up Our Mess	Dr. Reda Abou-Shanab, Mubarak City For Scientific Research and Technology Applications, Egypt
12:00-12:30	Coffee Break	
12:30-13:30	<u>Bio-Fuel Session:</u> Moderator: Prof. Dr Mohamed Eid Hall (1)	

12:30-12:45	Bio Fuel From Alga	Prof. Dr. Mostafa El-Sheekh, Faculty Of Science, Tanta University, Egypt
12:45-13:00	Linking Sustainable Development To Bio-Fuels Elementary Bio-Refineries And Integrated Bio-Refineries	Prof. Dr. Said Salah Elnashaie, Ex-Quentin Berg Chair Professor of Sustainable Development, Penn State University, USA
13:00-13:15	Bioethanol As Biofuel From Agricultural Wastes	Prof. Dr. Bahaa T. Shawky, National Research Center, Egypt
13:15-13:30	Application Of Sub-Critical Water In The Extraction Of Compounds From Biomass. 1- Optimization Of The Process For Cotton Seed Oil Extraction	Prof. Dr. Aghareed M. Tayeb, Faculty Of Engineering, Minia University
12:30-13:30	Therapeutic Protein, Biomedical Research And Medical Plants (2) Prof. Dr. Thomas Haertlé Hall (2)	
12:30-12:45	Development Of Nutraceuticals And Cosmeticicals From Indigenous Plants: The Malaysian Experience	Prof. Dr. Farida Habib Shah, University Tunku Abdul Rahman (UTAR), Malaysia
12:45-13:00	In Vitro Production Of Indole Alkaloids From Two Egyptian <i>Catharanthus roseus</i> Cultivars By Means Of Biotechnology	Prof. Dr. Mohamed M. Yacout, Faculty Of Agriculture, Alexandria University, Egypt
13:00-13:15	Biotransformation Of The Toxic Aromatic Compounds Products That Have Applications For Medicine In The Pharmaceuticals Manufacturing	Dr. Hamdy Abdel-Azeim Hassan Aly (GERI) Sadat city - Minufiya University – Egypt
13:15-13:30	Bioactive Glycosides From Egyptian Medicinal Plants	Prof. Dr. Arafa I. Hamed, Aswan Faculty Of Science, South Valley University, Egypt
12:30-13:30	Special Session For: BIOCIRCLE European FP7 Project (By Invitation) Round Table On Research Priorities In Agricultural Biotechnology Moderator: Dr. Kadria Abdel-Motaal, MD, FP7 NCP Biotechnology, President, Heliopolis Academy, Egypt Hall (3)	
13:30-14:00	Closing Remarks	
14:00-15:00	Lunch	

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Posters Session:

Food Processing:

Dr. Hoda Mahrous, Genetic Engineering And Biotechnology Research Institute (GEBRI), Sadat City, Minufiya University

The Production Of Yoghurt With Probiotics Bacteria Isolated From Egyptian Infants And Study Its Role In The Cholesterol Removal From Media.

Dr Ibtesam, Dr. R. Mowafi¹; Dr. A.M.Darwish²; Dr. F.S.Ibrahim² And Dr. A.A. Ali³
¹Faculty Of Agric. South Valley Univ., ²Faculty Of Agric. Minia Univ., ³Fac. Of Agric. Sohag Univ

Probiotic Dairy Ice Cream

Bio-Products:

Prof. Dr. Elshahat M. Ramadan, Dr. Zakaria Elhaddad, Dr. Yaser Adly And Dr.Ramy Mohamed, SEKEM.

Biotreatment Of Animal Wastes For Fertigation Of Organic Farms

Prof. Dr. Elshahat M. Ramadan, Dr. Zakaria Elhaddad And Dr. Ahmed Fareed, SEKEM.

Production Of Arbuscular Mycorrhizas As A Biofertilizer For Organic Farms

Dr. Nahed Abdel Ghaffar, Agricultural Genetic Engineering research Ins. (AGERI), Egypt.

Expression Of The Insecticidal Protein Gene *cry IC* Of *Bacillus thuringiensis* In The Plant-Colonizing Nitrogen Fixing Bacteria

Dr. Ahmed S. Hendawy, Plant Protection Research Institute, The Agriculture Research Center, Egypt

Mass Production Of Some Entomopathogenic Organisms And Large Scale Application Through Center Pivot Sprinkler Irrigation

Dr. Mervat El-Sayed, Faculty Of Science, Cairo University

Degradation Of Methomyl By The Novel Bacterial Strain *Stenotrophomonas maltophilia* M1

Dr. Sawsan Abd El-Ghany, Mubarak City For Scientific Research And Technology Applications, Egypt

Dye Decolorization With Laccase And Peroxidase Enzyme Production By Different Egyptian Fungal Isolates

Prof. Dr. Rawia Gamal, Faculty Of Agriculture, Ain Shams University, Egypt.

Production Of Bioplastic From Some Egyptian Raw Materials

Dr. Nadia Soliman, Mubarak City For Scientific Research And Technology Applications, Egypt

Studies On Thermostable Lipase/Essterse From Different *Geobacillus* spp. Isolated From Saudi Arabian: Cloning, Over-Expression And Proteins Characterization

Prof. Dr. Farouk El Baz National Research Center, Egypt

BioFuel, Biodiesel From Micro Algae

Prof. Dr. Akrum M. M. Hamdy, Faculty Of Agriculture, Minia University, Egypt
Hen Egg Yolk Antibodies

Dr. Eid Soliman Ali Elgizawy, Soils, Water and Environment Research Institute.
ARC, Egypt

Degradation Of Sugarcane Bagasse By Trichoderma Harzianum

Medical Research Products:

Dr. Nawal Abd EL-Baky¹, Dr. Yasser M. Mohamed¹, Dr. Sanaa H. Omar², Prof. Dr. EL-Rashdy M. Redwan¹

1- Mubarak City For Scientific Research And Technology Applications, Egypt

2- Faculty Of Science, Alexandria University, Egypt

Cell-Free Protein Synthesis

Dr. Nawal Abd EL-Baky¹, Dr. Sanaa H. Omar², Dr. Horeya EL-Badry², Prof. Dr. EL-Rashdy M. Redwan¹

1- Mubarak City For Scientific Research And Technology Applications, Egypt

2- Faculty Of Science, Alexandria University, Egypt

Efficacy Comparison Of Gel-Based, Membrane And Glass Array Techniques To Detect Human Antibodies Isotypes Among The Egyptian HCV-Patients

Dr. Amr Helal, Kaha Agricultural Development Company, Egypt

Rice Bran Nutraceuticals

Dr. Amr Helal, Kaha, Agricultural Development Company, Egypt

Biological Control Of Malaria; Bacterial Mosquito Larvaicides

Dr. Essam A. Makky¹ And Dr. Hyunook Kim²

¹Faculty Of Science, Al-Azhar University, Nasr City, Cairo, Egypt.

²University Of Seoul, Seoul, Korea

Comparison Of *Bacillus subtilis* Spore Inactivation By Ozone And Ferrate (FeO₄²⁻)

Dr Sanaa Soliman, City For Scientific Research And Technology Applications, Egypt

Preparation Of Glucan From *Lentinus Edodes* Edible Mushroom And Elucidation Of Its Medicinal Value

Prof. Dr. Farida Habib Shah¹, Dr. Nurul Arneida H.²

1- Novel Plants Sdn. Bhd., Malaysia

2- Melaka Institute Of Biotechnology, Malaysia

Development Of A DNA Marker Database For Herbal And Medicinal Plants In Malaysia

Bio-Processing Session:

Dr. Ashraf A. Khalil^{1*}, Dr. Sahar F Deraz¹, Dr. Nihal F. Kabapy²

¹Institute Of Genetic Engineering and Biotechnology, Mubarak City for Scientific Research, Egypt.

² Faculty Of Pharmacy, Alexandria University, Egypt

Plant Proteome: Concepts, Experimental Tools And Achievements

Dr Ahmed M. El-Azzazy, National Research Center, Egypt

The Industrial Biotechnology Unit In NRC

Dr Sanaa Soliman, Mubarak City For Scientific Research And Technology Applications,
Egypt
Screening For Hydrolytic Enzymes Produced From Indigenous Bacterial Isolates