

## Scientific Program

World Congress & Expo on Biotechnology and Bioengineering

World Congress & Expo on Nanotechnology and Nanoengineering

March 27-29, 2017 Dubai, UAE



### Conference Venue

Crowne Plaza Dubai - Deira  
P.O. Box 8668, Salah Al Din Road Dubai, United Arab Emirates

Website: <https://biocoreopen.org>  
Email: [contact@biocoreopen.org](mailto:contact@biocoreopen.org)

## Day 1 March 27, 2017

08:00-09:30 Registrations

Welcome Coffee Break @ Foyer B 08:30-08:45

### Emirates A 09:30-10:00 Opening Ceremony

### Keynote Forum

- 10:00-10:05 Introduction  
10:05-10:35 Osama O. Ibrahim  
Bio Innovation LLC, USA  
10:35-11:05 Rob Brown  
Synthetic Genomics Inc., USA

Group Photo

Coffee Break @ Foyer B 11:05-11:20

- 11:20-11:50 Jianguo Yang  
Abpro Corporation, USA  
11:50-12:20 Keiko Ikemoto  
Iwaki Kyoritsu General Hospital, Japan

#### Major Session:

#### Genetics and Molecular Biology, Agricultural Biotechnology and Genetic Engineering

Session Chair: Osama O. Ibrahim, Bio Innovation LLC, USA

Session Co-Chair: Vipin Kumar, Indian Institute of Technology (ISM), India

- 12:25-12:45 Title: Expression of shiga-like toxin fused to vascular endothelial growth factor (VEGF/SLT) in *E. coli* for targeting angiogenesis  
Osama O. Ibrahim, Bio Innovation LLC, USA  
12:45-13:05 Title: Study of antimicrobial and antioxidant activities of seeds of *Plantago ovata*  
Saadia Mohammed Ali, Integral University, India  
13:05-13:25 Title: Decontamination of petroleum contaminated soil using earthworm species  
Vipin Kumar, Indian Institute of Technology (ISM), India

Lunch Break @ Foyer B 13:25-14:10

- 14:10-14:30 Title: Enhanced production of *Aloe* mannan using plant biotechnology  
Zarreen Badar, H.E.J. Research Institute of Chemistry-International Center for Chemical and Biological Sciences, Pakistan  
14:30-14:50 Title: Cloning and extracellular expression of thermostable alkaline protease gene from *Bacillus stearothermophilus* AEAL2 in *Pichia pastoris*  
Essam F. Alwan Al-Jumaily, University of Baghdad, Iraq  
14:50-15:10 Title: A Novel approach to study relationship between Cotton leaf curl virus (CLCuV) and Betasatellites  
Ahmad Ali Shahid, University of the Punjab, Pakistan  
15:10-15:30 Title: Interactome analysis and docking sites prediction of MutS Homologs (MSH) proteins in *Arabidopsis thaliana*  
Mohamed Ragab Abdel Gawwad, International University of Sarajevo, Bosnia and Herzegovina

Coffee Break @ Foyer B 15:30-15:45

#### Major Session:

#### Nanotechnology & Nanoengineering

Session Chair: Febbe R. Louka, University of Louisiana at Lafayette, USA

Session Co-Chair: W.A. Sarhan, American University in Cairo, Egypt

- 15:45-16:05 Title: Assessing nano-sensors in determination of the degree of endothelial dysfunction and lifespan of the cardiovascular system  
Febbe R. Louka, University of Louisiana at Lafayette, USA  
16:05-16:25 Title: Cancer cured by bio electron's laser acupuncture  
Nick Kostovic, Kostovic Acupuncture by bio Electron's Laser Corp., USA  
16:25-16:45 Title: Development of broad spectrum antimicrobial nanofibrous formulation based on natural materials and *Bacteriophage*  
W.A. Sarhan, American University in Cairo, Egypt  
16:45-17:05 Title: Development of bimetallic solid solution catalyst for organic synthesis  
Md. Shahajahan Kutubi, Oita University, Japan  
17:05-17:25 Title: Biomolecule separation: A bio filter  
Praveen Kumar Sunil, Saveetha Engineering College, India  
17:25-17:45 Title: The Effect of transition metal addition in the thermo-mechanical behavior of nanocrystalline Al alloy processed through mechanical alloying  
Muneer Baig, King Saud University, KSA

## Day 2 March 28, 2017

09:00-10:00 Registrations

Welcome Coffee Break @ Foyer B 08:30-08:45

### Keynote Forum Emirates A

10:00-10:30 **Sharad Kumar Yadav**  
Director at Cow Research Institute at DUVASU, India

10:30-11:00 **J.P. Singh**  
Indian Institute of Technology Delhi, India

Group Photo

Coffee Break @ Foyer B 11:00-11:15

### Major Sessions:

Food and Nutrition Biotechnology, Algal Biotechnology and Genomics

Pharmaceutical Biotechnology, Aquaculture and Marine Biotechnology

Session Chair: Rob Brown, Synthetic Genomics Inc., USA

Session Co-Chair: Anna-Maria Saarela, Savonia University of Applied Sciences, Finland

11:15-11:35 **Title: Boosting lipid productivity of the oleaginous microalga *Nannochloropsis gaditana* via genome engineering**  
**Rob Brown**, Synthetic Genomics Inc., USA

11:35-11:55 **Title: Utilizing silent signals of consumers in food product development and marketing activities to benefit the competitiveness of SMEs, a case study**  
**Anna-Maria Saarela**, Savonia University of Applied Sciences, Finland

11:55-12:15 **Title: Antibacterial characterization and pharmaceutical formulation from leaf extract of *Datura innoxia***  
**Priti Mathur**, Amity University, India

12:15-12:35 **Title: Role of PCR for evaluation of Short Term Fever with Flu like symptoms in a tertiary level hospital in Bangladesh**  
**Md. Mahabubul Islam Majumder**, Comilla Medical College, Bangladesh

12:35-12:55 **Title: Estimation of milk protease activity from uninfected mammary glands of Nili-Ravi buffalos, sahiwal and cross-breed cows of Pakistan**  
**Razia Kausar**, University of Agriculture, Pakistan

12:55-13:15 **Title: Escalating cultivars of *Daucus carota* prove to be enthusiastic functional food**  
**Shahzad Ali Shahid Chatha**, Government College University Faisalabad, Pakistan

Lunch Break @ Foyer B 13:15-14:00

14:00-14:20 **Title: Coal and alkali pretreated seawater stimulates the production of marine microalgae, clean coal and magnesium**  
**Md. Abu Affan**, King AbdulAziz University, Saudi Arabia

### Major Sessions:

Bio Nanotechnology, Industrial Biotechnology

Session Chair: Sampath Kumar M C, B.M.S College of Engineering, India

Session Co-Chair: Elena van Dijk, PRIVATE Clinic Elena van Dijk, Slovakia

14:20-14:40 **Title: ERI MEDICAL DEVICE - Nanotechnology which reveals psychosomatic links in the body**  
**Elena van Dijk**, PRIVATE Clinic Elena van Dijk, Slovakia

14:40-15:00 **Title: A case report of using Gold Nanorod assisted near-infrared Plasmonic Photothermal Therapy for treatment of chronic extended spectrum Beta Lactamase (ES $\beta$ L) *Klebsiellapneumoniae* infected subcutaneous fistula in eight years old Griffon bitch**  
**Haithem A.M. Farghali**, Cairo University, Egypt

15:00-15:20 **Title: Silver nanoparticles to improve control of nosocomial infections**  
**Alessandra Piccitto**, University College London, United Kingdom

Coffee Break @ Foyer B 15:20-15:35

15:35-15:55 **Title: Nanotechnology applications in Brewery waste management**  
**Akash D talampally**, B.M.S College of Engineering, India

15:55-16:15 **Title: Safety Aspects and waste management in brewery industry**  
**Karthik.Y**, B.M.S College of engineering, India

### Poster Sessions 16:00-17:00

P-001 **Title: Increase perception of safety at C.R.Bt laboratory by development, implementation and training on standard operatory procedures and emergency plans**  
**I. Amamra**, Centre de Recherche en Biotechnologie, Algérie

P-002 **Title: To enhance the fertility of postpartum cycles and folliculogenesis in the two main equine races**  
**Barka Mohammed**, University of Mostaganem, Algeria

- P-003** Title: **Mutations of residues in the N- and C-termini of the sweet-tasting protein brazzein**  
Kwang-Hoon Kong, Chung-Ang University, Korea
- P-004** Title: **Strategy to increase the sweetness in fruits through the expression of sweet proteins thaumatin and brazzein**  
Luis Felipe Quiroz Iturra, University of Chile, Chile
- P-005** Title: **Sympathetic ophthalmia as a major sight-threatening disorder**  
Mohammed Alkhaibari, King Fahad Specialist Hospital, Saudi Arabia
- P-006** Title: **Bioenergy management system using wireless technology**  
Srivasa M C, B.M.S College of engineering, India
- P-007** Title: **Laparoscopy box**  
Gasman Ochoa, Hospital of the Ecuadorian Institute of Social Security, Ecuador
- P-008** Title: **Production of thermostable enzymes by new thermophilic anaerobic strains, isolated from a thermal Algerian aquifer**  
Bouanane-Darenfed Amel, University of Science and Technology Houari Boumediene, Algeria
- P-009** Title: **Automatic optical molecular cancer image segmentation via Distance Regularized Level Set Evolution**  
Jiwan Kim, Korea University, Korea
- P-010** Title: **Biological effect of gold and silver nanoparticles in ameliorating diabetic nephropathy induced in rats**  
Hiba Haj, AlFaisalia, King Abdulaziz University, KSA
- P-011** Title: **Isolation, identification and characterization of a new chitinolytic strain: source of bimolecular**  
Laribia-Habchi Hassiba, University of SAAD Dahlab of Blida, Algiers
- P-012** Title: **Protection against Streptozotocin -induced diabetes and Oxidative Stress by L-Arginine in Experimental Animals**  
Basiouny El-Gamal, King Khalid University, Saudi Arabia
- P-013** Title: **Nanomedicinal zinc(II) 1st, 2nd, 3rd and 4th generation cephalosporins antibiotic drug: Syntheses of transparent polymeric bandages for wounds based on the new synthetic zinc compounds**  
Abdulraheem S.A. Almalki, Taif University, Saudi Arabia

**Day 3 March 29, 2017**

**Emirates A**

**Major Sessions:**

**Environmental Biotechnology and Biogas Technology**

**Cell Biology and Microbiology, Industrial Biotechnology**

**Chair: Joseph Stokes, Dublin City University, Ireland**

**Co-Chair: Hovik Panosyan, Yerevan State University, Armenia**

**Session Introduction**

- 10:00-10:20** Title: **Bio-ethanol project (Economic & Development)**  
Osama O. Ibrahim, Bio Innovastion LLC, USA
- 10:20-10:40** Title: **Designing functional thermally sprayed biocoatings – A statistical design of experiments approach**  
Joseph Stokes, Dublin City University, Ireland
- 10:40-11:00** Title: **Removal of petroleum from produced water by liquid-liquid and adsorption processes**  
Ana Karla Costa de Oliveira, Federal Institute of Rio Grande do Norte, Brazil

**Coffee Break @ Foyer B 11:00-11:15**

- 11:15-11:35** Title: **A validated LCMS-MS method for the determination of cortisol in human plasma and its application in stability studies**  
Syed N Alvi, King Faisal Specialist Hospital & Research Center, Saudi Arabia
- 11:35-11:55** Title: **Geothermal springs as a source of thermophiles with biotechnological potential**  
Hovik Panosyan, Yerevan State University, Armenia
- 11:55-12:15** Title: **Optimization of biosurfactant production using cost effective substrates by *Pseudomonas putida* SOL10**  
Safia Ahmed, Quaid-i-Azam University, Pakistan
- 12:15-12:35** Title: **Beating treatment to enhance degradability of lignocellulosic material for biogas improvement**  
Joseph Stokes, Dublin City University, Ireland
- 12:35-12:55** Title: **Biochemical characterization of a lipase from an Algerian isolated *Staphylococcus aureus* strain**  
Nehal Fatima, University Hassiba Ben Bouali of Chlef, Algeria

**Lunch Break @ Foyer B 12:55-13:40**

- 13:40-14:00** Title: **Utility of Facó's Medium in the isolation and identification of gastro intestinal tracts bacteria**  
Festus Chukwuemeka Onwuliri, University of Jos, Nigeria
- 14:00-14:20** Title: **Evaluation of the antimicrobial effectiveness of some common hand sanitizers available and used within Jos city of Nigeria**  
Onwuliri Edith Adanna, University of Jos, Nigeria
- 14:20-14:40** Title: **Antibiotics resistance pattern and biofilm detection of Acinetobacter species obtained from tertiary care hospital**  
Rachna Chaturvedi, Amity University, India

**Coffee Break @ Foyer B 15:00-15:15**