

Conference Programme

November 06-08, 2023 | Holiday Inn Express Dubai Airport, Dubai, UAE

Day 1, November 06, 2023

Meeting Hall: Meeting Room 5

08:00-08:40

Registrations

08:40-9:00

Introduction

Keynote Presentations

9:00-9:40

Zoran Djinović, ACMIT GmbH, Austria

Title: Optimization of an Implantable Fiber-Optic Microphone for Use with Cochlear Implants

9:40-10:20

B. Bou-Saïd, INSAVALOR, France

Title: Computer Aided Surgery: Application To Aortic Dissection

10:20-11:00

Haider Butt, Khalifa University, UAE

Title: 3D Printing of Multifunctional Contact Lenses for Ocular Health Monitoring and Management

Group Photo (11:00-11:10)

Networking and Refreshments @ (11:10-11:30) Meeting Room 5

Exhibitor

11:30-11:55

Andreea CALENCIUC, MEDIS Test SRL, Romania

Title: MEDIS TEST is a Medical Center for Obstetrics and Gynecology, Medical Imaging and Endocrinology, located in the Municipality of Iasi, Juetul Iasi

Oral Presentations

Session Chair:

Haider Butt, Khalifa University, UAE

Session Chair:

B. Bou-Saïd, INSAVALOR, France

Session Chair:

Rosita Aniuliene, Lithuanian University of Health Sciences, Lithuania

Sessions: Biological Engineering | Biological Sciences | Biomedical Engineering and Bioinformatics | Basic Science of Medicine | Clinical and Public Health | Gynecology and Obstetrics

11:55 - 12:20

Milad Salimibani, Wroclaw University of Science and Technology, Poland

Title: Investigation of Gravity Effect on Saccadic Movement of the Human Crystalline Lens: Implications for Astronauts

12:20-12:45

Randa Hassan, University of Illinois at Chicago, USA

Title : Current Data on Surgical Ergonomics Training in Surgical Subspecialties

12:45-13:10

Abdullah Ali Al Ghamdi, King Saud bin Abdulaziz University for Health Sciences, Saudi Arabia

Title: Electronic Medical Record Implementation in A Large Healthcare System from A Leadership Perspective

Lunch @ (13:10-14:00) Great room restaurant

14:00-14.25

Seema Devi, Indira Gandhi Institute of Medical Sciences, India

Title: Dosimetric Comparison of Rapid Arc Therapy and Three-Dimensional Conformal Radiotherapy in Locally Advanced Carcinoma Cervix

14.25 - 14.50

Artur S. Bartosik, Kielce University of Technology, Poland

Title: Simulation of Turbulent Blood Flow with High Haematocrit Through a Stent

14.50 - 15.15

Tatiana Flisikowska, Technische Universität München, Germany

Title: When Size Matters: Large Animal Models for Biomedicine

15.15 - 15.40

Saher Hamed, Sebana Medical, Israel

Title: Erythropoietin Silica-Based Controlled Release Dosage Form; A Novel Strategy to Enhance Autologous Fat Dermal Filling

15.40 - 16.05

Deepa Singh, Jaipur National University, India

Title : High Risk Pregnancy: Fibroids and their Impct on Maternal and Foetal Health - Insights From Prospective Study

Refreshments @ Meeting Room 5 (16.05 - 16.30)

16.30 - 16.55

Shubhada Karnamadakala, Kasturba Medical College
Mangalore, India

Title : A Case Series – Acute Fatty Liver in Pregnancy

16.55 - 17.20

Maria Koriakina, The Ministry of Health of the Russian Federation,
Russia

Title: Impact of Upper Extremity Motor Impairments on Cognitive Processes and Perception in Children

17.20 - 17.45

Murad Ali, Khalifa University, UAE

Title: Alcohol-Responsive Fresnel Lens: A Novel Vat Photopolymerization Sensor for Diverse Applications

17.45 - 18.10

Said El Turk, Khalifa University, UAE

Title: Implementation of the Seeded Growth Method in Fabricating 3D Printed Nanocomposite Contact Lenses for Color Blindness Management

Day 1 Concludes followed by Awards Ceremony

Day 2 | November 07, 2023

Meeting Hall: Meeting Room 5

Keynote Presentations

09:00-9:40

Rinat Esenaliev, University of Texas Medical Branch, USA

Title: Biomedical Optoacoustics: From Idea to Clinical Studies with Medical Grade Systems

9:40-10:20

Veit Senner, Technical University of Munich, Germany

Title: Engineering the Interaction Between Footwear Design, Soil & Turf Properties and Human's Biomechanics

10:20-11:00

Peter R. Corridon, Khalifa University, UAE

Title: Sustainable Xenograft Generation from Arabian Sheep and Camels: Pioneering Regenerative Medicine Solutions for Chronic Metabolic, Cardiovascular, and Traumatic Injuries

Refreshments @ (11:00 - 11:20) Meeting Room 5

11.20 - 12.00

Ameneh Haghgoo, NIKAN Hospital, Iran

Title : Step by Step Endometriosis Surgery

Oral Presentations

Session Chair:

Haider Butt, Khalifa University, UAE

Session Chair:

B. Bou-Saïd, INSAVALOR, France

Session Chair:

Rosita Aniuliene, Lithuanian University of Health Sciences, Lithuania

Sessions: Biological Engineering | Biological Sciences | Biomedical Engineering and Bioinformatics | Basic Science of Medicine | Clinical and Public Health | Gynecology and Obstetrics

12.00 - 12.25

Blagovechtchenski Evgeny, The Ministry of Health of the Russian Federation, Russia

Title: Use of Neurotechnologies in Comprehensive Treatment of Children with Severe Upper Limb Function Disorders

12.25 - 12.50

Abdelrahman Ahmed Sakr, Khalifa University, UAE

Title: Innovative Multifunctional Contact Lenses: Customized Color Correction and Tear pH Monitoring

12.50 - 13.15

Muhammed Shebeeb C, Khalifa University, UAE

Title: Incorporation of Contact Lenses Through Chemical Volumetric Modulation

Lunch @ (13.15 - 14.00) Great room restaurant

14.00 - 14.25

Arto Grasten, United Arab Emirates University, UAE

Title: Accelerometer-Measured Physical Activity, Sedentary Time, And Health-Related Outcomes in a Sample of Emirati Female Students

14.25 - 14.50

Shahad Mamoun, University of Sharjah, United Arab Emirates

Title : Factors Associated with Age at Menarche, Menstrual Knowledge, and Hygiene Practices Among Schoolgirls in Sharjah, UAE

14.50 - 15.15

Nita Lakra, CCS Haryana Agricultural University, India

Title: Regulatory Mechanism of OsRuvB Transgene in Improving Salt Stress Tolerance of Legume Crop

15.15 - 15.40

Israr Ahmed, Khalifa University, UAE

Title: Optical Fiber Probe for Biomedical Monitoring

15.40 - 16.05

Muhammed Hisham, Khalifa University, UAE

Title: 3D Printed Multimaterial Contact Lenses for Red-Green and Blue-Yellow Color Blindness Correction

Refreshments @ (16:05 - 16:30) Meeting Room 5

16.30 - 16.55

Lyudmila Egorova, Siberian Federal University, Russia

Title: Hyperparameter Optimization for Electroencephalogram Data Analysis Using Hybrid Classification Algorithms

16.55 - 17.20

Ivan Rozhnov, Siberian Federal University, Russia

Title: Application of Massively Parallel Hybrid Clustering Algorithms to Production Batches of Medical Devices

Poster Presentations

P-01

Yun Hee Shon, Kyungpook National University Hospital

Title: Therapeutic Potential of Natural Minerals for Metabolic Diseases in Vitro and in Vivo: Regulation of Mitochondrial Function

P-02

Aleš Panáček, Palacký University, Czech Republic

Title: Light-Induced In Vitro Anticancer Photothermal Therapy Using Silver and Gold Nanoparticles

P-03

Parul Sharma, CCS Haryana Agricultural University, India

Title: Putrescine in Modulating Morpho-Physiological and Biochemical Traits: Enhancing Heat Tolerance in *Brassica juncea* Seedlings

P-04

Rosita Aniuliene, Lithuanian University of Health Sciences, Lithuania

Title : Female Epispadia: Stress Urinary Incontinence and Pelvic Organ Prolapse

P-05

Sharapat Moiynbayeva, KMU "KSPH", Kazakhstan

Title: Impact of COVID-19 on Reproductive Health: A Comparative Study of Women of Fertile Age in Kazakhstan

P-06

Magdalena Asejczyk, Wroclaw University of Science and Technology, Poland

Title: A Mechanical Model of The Human Eye to Investigate the Effect of Intraocular Pressure on Visual Functions

P-07

Dongmei Zhao, Shenyang Pharmaceutical University, China

Title: Identification of Novel Indole Derivatives as Highly Potent and Efficacious LSD1 Inhibitors

Day 2 Concludes followed by Panel Discussion - Awards & Closing Ceremony

Virtual Programme

Day 3 | November 08, 2023

11:00-11:15

Opening Ceremony and Introduction

Oral presentations

11:15-11:40

Uri Wormser, The Hebrew University, Israel

Title: Topical Iodine for Neuropathic Pain

11:40-12:05

David Ambett, Christ University, India

Title: Insects Playing a Role in Solving Criminal Investigations- Forensic Entomology.

12:05-12:30

Uri Wormser, The Hebrew University, Israel

Title: Novel Peptide for Treatment of Glioblastoma Multiforme

12:30-12:55

Santosh Kumar Mishra, S. N. D. T. Women's University, India

Title: My Reflections on Precautions during Intercourse after Menopause for Safe Sexual Health

12:55-13:20

Uri Wormser, The Hebrew University, Israel

Title: Novel Peptide for Treatment of Sepsis and Cytokine Storm

Lunch @ (13:20-14:00)

14:00-14:25

Saleha Saeed, University of Peshawar, Pakistan

Title: Morphological Assessment of Glutamate Zerovalent Iron Nanoparticles by Scanning Electron Microscopy and its Combined Effect with Indole Acetic Acid on Amelioration of Lead Toxicity in Maize (*Zea mays L.*)

14:25-14:50

Shahazadi Parveen, Rajiv Gandhi Proudyogiki Vishwavidyalaya, India

Title: Phytochemical Screening and Antimicrobial Activity of Herbal Plant Drug *Achyranthus Aspera*

14:50-15:15

Kedir Abegaz, Frontieri Consult PLC, Ethiopia

Title: Artificial Intelligence-Driven Ensemble Model for Predicting Mortality Due to COVID-19 in East Africa

15:15-15:40

Shahazadi Parveen, Rajiv Gandhi Proudyogiki Vishwavidyalaya, India

Title: Nutraceuticals- Immunity Booster in Covid 19

15:40-16:05

Lakshmi Jayaraj Nithin, Wrexham Hospital, United kingdom

Title: Uncertain Safety of Vasopressors after Subarachnoid Block in Atypical Pre Eclampsia - A Case Report

16:05-16:30

Nesim İSLAMOĞLU, Necmettin Erbakan University, Turkey

Title: Paracetamol Sensing with a Glassy Carbon Electrode Modified with HNPC

16:30-16:55

Shahazadi Parveen, Rajiv Gandhi Proudyogiki Vishwavidyalaya, India

Title: Evaluation of Anti-Inflammatory Activity of Tulsi (Ocimum sanctum Linn.) Using Carrageenan Induced Paw Edema Model

16:55-17:20

Nesim İSLAMOĞLU, Necmettin Erbakan University, Turkey

Title: Differential Pulse Voltammetric Determination of Paracetamol at Guanine-Modified Pencil Graphite Electrode

17:20-17:45

Saryia Javed, NHSGGC, United Kingdom

Title: Microbiome and Colorectal Cancer Management

Day 1 Concludes followed by Awards Ceremony