

The Fourth International Environmental Forum

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**SCIENTIFIC PROGRAM**

2020

*Speech of*

**President of Tanta University**



**Prof. Magdy Sabaa**

*President of Tanta University*

Development and technological advances have recently accelerated worldwide. Despite their many positive impacts in all fields, they have a lot of negative effects that caused environmental problems such as pollution, lack of food security, natural resources depletion, and climate changes. Therefore, working out radical solutions to environmental problems has become urgent through giving the environmental dimension great interest in development policies of all world states. Hence, environmental work at Tanta University in Community Service and Environmental Development Sector is applying sustainable development strategy and Egypt's vision 2030 that aims to improve quality of life in present without compromising the right of future generations to have a better life. Thereupon, the concept of development adopted by the strategy relies on three main dimensions namely the economic, social and environmental ones. Thus, the role of the 4th Environmental Forum organized by the University has an outstanding role that started in the three previous rounds of the forum and found solutions for many environmental problems. The 4th round of the Forum will continue offering solutions to urgent issues. Its pivots will include environmental hazards and their relation to human general health, how to achieve sustainability of natural resources, how to find solutions to food security problems, methods of amending and developing environmental legislations, space technology and its environmental applications and other pivots that discuss various problems and innovative workable solutions. Moreover, the forum always seeks to enhance regional and international cooperation as it hosts scientists from Egyptian and world universities. Therefore, it eventually contributes to exchange of experience and taking many measures, protective procedures and policies that reduce environmental problems.

*Speech of***Forum Chair****Prof. Emad Etman**

*Forum Chair and  
Vice-President of Tanta University*

Sustainable development is one of the most significant issues in the national agenda of Egypt's developmental vision 2030. This agenda aims to achieve the targeted development goals of the country and helps to realize dreams and aspirations of Egyptian people as for having a suitable and decent life. As a result of advancements and developmental leaps in Egypt currently, many negative effects on the environment have appeared. Hence, the role played by Egyptian universities in cooperation with concerned state bodies has become important for dissemination of environmental awareness and finding out tangible applicable solutions to different environmental problems. Community Service and Environmental Development Sector at Tanta University has given great interest to protection of environment and natural resources and to reduction of their consumption through organizing the fourth round of the international environmental forum entitled "Green Environment and Sustainable Development" whose pivots include working out solutions to all environmental problems with participation of scientists from all Egyptian universities and experts from world states seeking to exchange experience and to fulfill the goal of Egypt that is sustainable development. Furthermore, the fourth forum has set a target and has drawn up an obvious strategic plan that aims to protect the environment and natural resources from environmental abuses which result into harming the natural resources. In addition, it aims to demonstrate how to manage environmental wastes, to make use of them, and to improve educational programs at the University in order to increase students' environmental awareness and to sharpen their skills of innovation and creativity so as to reach logical solutions for environmental problems.

*Speech of***Forum Coordinator****Prof. Tarek Fouda***Forum Coordinator*

Tanta University organizes the 4<sup>th</sup> International Environmental Forum “Green Environment and Sustainable Development” a scientific congress for discussing three dimensions of sustainable development namely economic dimension, social dimension and environmental one. The world is now moving towards green growth. Hence, we have to adopt concepts of green economy and green energy and to apply their actual mechanisms. Moreover, intensive focus is given to applying developmental policies that integrate the environmental dimension and keep balance between priorities of economic growth and environmental dimension. Those policies can stop environmental deterioration and limit the effect of climate changes so that coming generations can have clean and safe environment and future natural resources can be kept. The forum addresses topics such as environmental pollution, natural resources, waste recycling, nanotechnology, green energy. We hope that the forum will come out with recommendations that help solve some environmental problems.

*Speech of***Forum General Secretary****Prof. Ahmad Shakal***Forum General Secretary*

Environmental sustainability aims to increase productivity through health and preventive care and to improve health and safety in the workplace. Social sustainability aims to impose standards for air, water and noise to protect human health and ensure primary health care for the poor majority. In addition to having environmental investment, allowing participation of private sector and small and medium enterprises, cooperation with ministries, related bodies and civil society, and making use of different experiences. Furthermore, we should encourage researchers, businessmen and all people interested in keeping the environment, preventing its deterioration, protecting natural resources, and keeping rights of next generations through presenting scientific papers, proposals and agendas that include various pivots and through holding many workshops on environment to increase awareness about protecting nature. We hope that the forum will be an addition to the implementation of Egypt's strategy for sustainable development.

# BOOK OF ABSTRACTS

# TANTA UNIVERSITY FOURTH INTERNATIONAL ENVIRONMENTAL FORUM

## PATRONAGE

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**Prof. Khaled Abd Elghafar**  
Minister of Higher Education  
and Scientific Research



**Prof. Magdi Sabaa,**  
President of Tanta University



**Dr. Yasmin Fouad**  
Minister of Environment



**Prof. Tarek Rahmy**  
Gharbia Governor



**Dr. Mohamed Shaker**  
Minister of Electricity  
and Renewable Energy



Major General  
**Mohamed Elsahrif**  
Alexandria Governor

## SCIENTIFIC PROGRAM AT A GLANCE

## SUNDAY, 21

10:00-10:45	Opening Ceremony
10:45-11:15	President's Initiatives (مبادرة هنعيشها صح)
11:15-12:00	Keynote Speakers (1,2)
12:00-12:30	Plenary Lecture (1): Post COVID-19 & Economic Environment
12:30-14:00	Sessions A1, A2, A3, A4
14:00-16:15	Sessions B1, B2, A5
16:15-16:30	TIME BREAK
16:30-18:00	Sessions A6, A7, B3, B4
18:00-19:30	Sessions A8, A9, B5, B6

## MONDAY, 22

10:00-11:00	Keynote Speakers (3,4,5)
11:00-11:30	Plenary Lecture (2): Post COVID-19 & Educational Environment
11:30-12:00	TIME BREAK
12:00-13:30	Sessions A10, B7, B8, B9
13:30-15:00	Sessions, A11, C1, C2, C3
15:00-15:30	TIME BREAK
15:30-17:00	Sessions C4, C5, C6, C7
17:00-18:30	Sessions C8, C9, C10, C11
18:30	Closing

A1-A2, B1-B2	Public Health and Environmental Hazards
A3-A5	Environmental Pollutions
A6-A7	Climate Changes and GIS Applications
A8-A9	Environment and Health Risks
A10	Environment in Literature, Legislations and Sports
A11	Green Energy and Smart Cities
B3-B5	Natural Resources Sustainability
B6	Rational Use of Drugs and Pharmacoeconomics
B7-B9	Waste Management (3RS)
C1-C3	Nanotechnologies and Their Applications
C4-C5	Environmental Impact on Oral Health
C6-C7	Education for Green Environment
C8-C10	Environmental Access for Persons with Disabilities
C11	Green Economy and Environmental Management

19:00-19:30		SESSIONS A8, A9, B5, B6	CLOSING
18-19		SESSIONS A6, A7, B3, B4	SESSIONS C8, C9, C10, C11
17-18		BREAK	SESSIONS C4, C5, C6, C7
16-17		SESSIONS B1, B2, A5	BREAK
15-16		SESSIONS A1, A2, A3, A4	SESSIONS A11, C1, C2, C3
14-15		SESSIONS A10, B7, B8, B9	SESSIONS A10, B7, B8, B9
13-14		KEYNOTE SPEAKERS (1,2)	BREAK
12-13		OPENING CEREMONY	KEYNOTE SPEAKERS (3,4,5)
11-12		COVID-19 & ECONOMY	COVID-19 & EDUCATION
10-11			
DAY	SUN 21		MON 22

## STEERING COMMITTEE

**Prof. Emad Etman**, Forum Chair  
Vice President of Tanta University

**Prof. Tarek Fouda**, General Coordinator  
**Prof. Ahmed Shakal**, General Secretary  
**Prof. Elsayed I Salim**, Scientific Committee  
**Prof. Sahar Hazaa**, Organizing Committee  
**Prof. Ahmed Shawky**, Chest session coordinator  
**Prof. Abdel Nabi Qabeel**, International Coordination  
**Prof. Mohamed El-Sayed**, National Coordination  
**Prof. Dina Abdel Hady**, IT and Media

## Scientific Committee

**Prof. Elsayed I Salim**, Chair

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Prof. Mohamed El-Sayed  
Prof. Sahar Hazaa  
Prof. Abd Elnaby Kabeel  
Prof. Sahar El-Haggag  
Prof. Tarek Fouda  
Prof. Mohamed El-Sheikh  
Prof. Yasser Bayomy  
Prof. Om Ebrahim Almelegy  
Prof. Hassan Abdelaziz  
Prof. Hala Al-Saby  
Prof. Abdul Gawad El-Nady  
Prof. Ibrahim Salem  
Prof. Howida Eletrebi

## Organizing Committee

**Prof. Sahar Hazaa**, Chair

Prof. Hassan Rashid  
Prof. Mohamed Mamoun  
Prof. Hesham El-Ebiary  
Prof. Elsayed I Salim  
Prof. Mohamed El-Sayed  
Prof. Sahar Hazaa  
Prof. Om Ibrahim Al-Saie  
Prof. Sahar Al Hajar  
Prof. Hala Omar  
Prof. Ayman Bakry  
Prof. Yasser Bayomy  
Prof. Ibrahim Tolba

Hamdi Kandil  
Graphic Design

## SCIENTIFIC PROGRAM

## SUNDAY, 21

10:00-10:45	OPENING CEREMONY
10:45-11:15	President's Initiatives (مبادرة هنعيشها صح)
11:15-12:00	Keynote Speakers <b>Prof. Mostafa El Sheihk</b> , Tanta University <b>Prof. Mohamed Tag</b> , Former Minister of Health
12:00-12:30	<b>Plenary Lecture (1): Post COVID-19 &amp; Economic Environment</b>

SUNDAY, 21

**SUN-A1 PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS**

12:30-14:00 Chairs: Mohamed Awad, Ashraf Hatem, Mohamed Batanony, Hoda Bahr, Ahmed Shawky

Household Air Pollution (HAP)

**Gehan El Assal** *Faculty of Medicine, Ain shams University, Egypt*

Imaging in Occupational Lung Diseases

**Gamal Agamy** *Faculty of Medicine, Assuit University, Egypt*

Acute Inhalation Injury

**Mahmoud El- Batanony** *Faculty of Medicine, Cairo University, Egypt*

Does Environmental Pollution Affect Tuberculosis (T.B)?

**Wagdi Amin** *Ministry of Health and Population, Egypt*

Environmental Electronic Vape Exposure

**Esam Elmoghazy** *Association Against Smoking, TB and Lung Diseases, Cairo, Egypt*

Air Pollution Adds to Sleep Disorders

**Ramadan Nafae** *Faculty of Medicine, Zagazig University, Egypt***SUN-A2 PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS**

12:30-14:00 Chairs: Maha Ghanem, Amgad AbdElRaouf, Ayman AbdElzahr Gehan ElAssal, Ragia Sharshar

Outdoor Pollution Contributes to Lung Health

**Mohamed El-Batanony** *Faculty of Medicine, Cairo University, Egypt*

Air Pollution and OSA

**Magdy Abo Rayan** *Faculty of Medicine, Alexandria University, Egypt*

It is not IPF, it is HSP

**Maha Ghanem** *Faculty of Medicine, Assuit University, Egypt*

Pollution and Lung Cancer

**Waleed Elsorogy** *Faculty of Medicine, Helwan University, Egypt*

Air Pollution Speeds Up Aging of Lung

**Hossam Hosney** *Faculty of Medicine, Cairo University, Egypt*

Interactive Session, Environmental Hazards For Nurses In Work Place

**Dalia El Sharawy, Mervet Samir, Hanan Hashish, Ahmed Elayat,** *Tanta Chest University Hospital (CUH)***SUN-B1 PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS**

14:00-16:15 Chairs: Sahar Hazzaa, Gafar Abdel-Rasoul, Ibrahim Kabbash, Nehal Shehab.

Environmental Social Detachment and Internet Dependence among Undergraduate College students at Tanta University, Egypt

**Asmaa Abdel Rheim, Mira M. Abu-Elenin***Community Medicine Department, Faculty of Medicine, Tanta University, Egypt*

Patient Safety Culture Among Health Care Workers in Tanta University Hospitals, Egypt



**Sanaa A. Abdo, Asmaa A. Atallah**

*Public Health and Community Medicine Department, Faculty of Medicine, Tanta University, Egypt*

Towards Safe Environment: Syringe Disposal Among Diabetic Patients Attending Internal Medicine Outpatient Clinic Department, Tanta University

**Nadira M. Hassan<sup>1</sup>, Eman Yunes<sup>1</sup>, Zinab El Khamry<sup>2</sup>, Safynaz S. Shalby<sup>1</sup>**

<sup>1</sup>*Community Medicine Department, Faculty of Medicine, Tanta University, Egypt*

<sup>2</sup>*Occupational Medicine Department, Faculty of Medicine, Tanta University, Egypt*

Guidance for Reducing Health Risks to Workers Handling Human Waste or Sewage

**Abdelaziz Farouk Aldeeb** *Faculty of Medicine, Tanta University, Egypt*

Digital Eye Strain: Prevalence, And Associated Factors Among Information Technology Professionals in Tanta University. Egypt

**Hanaa A. Zayed, Shimaa M. Saied, Eman A. Younis, Salwa A. Atlam**

*Faculty of Medicine, Tanta University, Egypt*

Assessment of Health Status and Safety Measures for Workers in Phosphate Fertilizers Industry in Kafr El Zayat City, Gharbia Governorate, Egypt

**Dalia M. Abd Elmagid, Nadira M. Hassan, Nihal S. Shehab, Hanaa A. Zayed**

*Public Health and Community Medicine Department, Faculty of Medicine Tanta University, Egypt*

Pitfalls of Laboratory Biosafety and Biosecurity

**Amany M. Aboelenein** *Clinical Pathology Department, Faculty of Medicine, Tanta University, Egypt*

Health Hazards and Safety Measures Among Workers in Tanta Flax and Oil Company

**Asmaa A. Elfeky<sup>1</sup>, Ibrahim A. Kabbash<sup>2</sup>, Rania M. El Sallamy<sup>1</sup>**

<sup>1</sup>*Occupational and Environmental Medicine, Faculty of Medicine Tanta University, Egypt*

<sup>2</sup>*Public Health and Community Medicine, Faculty of Medicine Tanta University, Egypt*

Assessment of Health Care Workers. Knowledge and Confidence in Personal Protective Equipment in Tanta Fever Hospital in Egypt

**Asmaa O. Atalla, Hanaa A. Zayed, Noha M. Elghazally**

*Public Health and Community Medicine Department, Faculty of Medicine, Tanta University, Egypt*

#### SUN-B2 PUBLIC HEALTH AND ENVIRONMENTAL HAZARDS

14:00-16:15 Chairs: Mohamed Abouzaid, Nadira Mansour, Abdelaziz Farouk

Brain Drain: Why Physicians Want to Leave Country?

**Ibrahim Kabbash, Sanaa Abdou, Hanaa Zaied, Rania El-Sallamy**

*Faculty of Medicine, Tanta University, Egypt*

Work Environment Related Violence: Impact on Job Performance and Coping Strategies Among Physicians in an Egyptian City

**Ehab A. Abo Ali, Hanaa A. Zayed, Salwa A. Atlam**

*Public Health and Community Medicine Dept., Faculty of Medicine, Tanta University, Egypt*

Hepatic, Renal and Hematological Disorders Among Adolescent Females Environmentally Exposed to Pesticides in Menoufia Governorate, Egypt

**Abdel-Rasoul G.M.<sup>1</sup>, Elbadry A.S.<sup>1</sup>, Hendy O.M.<sup>2</sup>, Rohlman D.S.<sup>3</sup>, Abdel-Latif A.A.<sup>1</sup>**

<sup>1</sup>*Public Health and Community Medicine Department, Faculty of Medicine, Menoufia University, Egypt*

<sup>2</sup>*Clinical Pathology Department, National Liver Institute, Menoufia University, Egypt*

<sup>3</sup>*Department of Occupational and Environmental Health, College of Public Health, University of Iowa, USA*

Respiratory Health Disorders Among Adolescent Females Environmentally Exposed to Pesticides in Menoufia Governorate, Egypt

**Abdel-Rasoul G.<sup>1</sup>, Salem E.<sup>1</sup>, Elbadry A.<sup>1</sup>, Hendy O.<sup>2</sup>, Rohlman, D.<sup>3</sup>, Abdel-Latif, A.<sup>1</sup>**

<sup>1</sup>Faculty of Medicine, Menoufia University, Egypt

<sup>2</sup>National Liver Institute, Menoufia University, Egypt

<sup>3</sup>University of Iowa, USA

Work Family Conflict Among Administrative Females Working in Tanta University

**Rania El-Sallamy, Hanaa Zaied, Ibrahim Kabbash, Sanaa Abdou**

Faculty of Medicine, Tanta University, Egypt

Environmental Attitudes and Behaviours Among Tanta University Students

**Shimaa M. Saied, Moeness M. Al-Shishtawy, Hanaa A. Zayed**

Public Health and Community Medicine Department, Faculty of Medicine, Tanta University

Work Environment Characteristics: As Determinants of Work to Family Conflict Among Administrative Female Employees in Tanta University

**Hanaa A. Zayed, Ibrahim Kabbash, Sanaa Abdou, Rania El-Sallamy**

Public Health and Community Medicine Department, Faculty of Medicine, Tanta University, Egypt

Work Place Environment as Predictor of Work Family Conflict Among Health Care Workers in Tanta University Hospitals

**Rania M. El-Sallamy, Ibrahim A. Kabbash, Sanaa Abd El-Fatah, Hanaa A. Zayed**

Faculty of Medicine, Tanta University, Egypt

Study of CD305, CD26 Expression in Chronic Lymphocytic Leukemia

**Heba M. El-Erian<sup>1</sup>, Mohamed K. Zahrah<sup>1</sup>, Sahar Hazzaa<sup>1</sup>, Atef M. Taha<sup>2</sup>**

<sup>1</sup>Clinical Pathology, Faculty of Medicine, Tanta University, Egypt

#### SUN-A3 ENVIRONMENTAL POLLUTIONS

12:30-14:00 Chairs: Sadek Kassab, Abd Elnaby Kabeel, Elsayed Elagouz

The Influence of Water/Diesel Emulsion on Performance, Combustion, and Emission Characteristics of Partially Premixed Charge Compression Diesel Engines

**Medhat Elkewawy, Hagar A. Bastawissi, Mahmoud M. Shams**

Department of Mechanical Power Engineering, Tanta University, Egypt

Heavy Metal in Honeybee Worker's Body Samples Thrown Some North and Middle Egyptian Governorates

**Sherif, A.S.<sup>1</sup>, Haitham Ramadan<sup>2</sup>, Dina M. Taksira<sup>1</sup>, Marwa, B. Gomaa<sup>1</sup>**

<sup>1</sup>Plant Protection Research Institute, Agricultural Research Centre, Giza, Egypt

Numerical Investigation on the Effects of Carbon Dioxide Percentage in Biogas Fuel Combustion Characterization

**Medhat Elkewawy, Ahmed A. Abdelhafez, Hagar A. Bastawissi, Saad M. El-Malla**

Department of Mechanical Power Engineering, Faculty of Engineering, Tanta University, Egypt

Oxidation of Azo Dye Orange II with Hydrogen Peroxide Catalyzed by 5,10,15,20-Tetrakis[4-(Diethylmethylammonio) Phenyl]Porphyrinato-Cobalt(II) Tetra Iodide in Aqueous Solution

**S.H. Elkhalfay, M. T. Hassanein, M.F. Abd-Elal, A.A. Atia**

*Tanta University, Egypt*

Effect of using Formic Acid as An Oxygenated Additive in Compression Ignition Engine Fueled with Algae Biodiesel Blends

**Medhat Elkelawy, E. El Shenawy, Hagar Bastawissi, Mohammed Taha**

*Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Egypt*

Converting a Conventional Vehicle into a Hybrid "Electric Vehicle in order to Improve Fuel Economy and Emission Characteristics

**Medhat Elkelawy, Hagar Bastawissi, Ahmed Safwat**

*Mechanical Power Engineering Departments, Faculty of Engineering, Tanta University, Egypt*

#### SUN-A4 ENVIRONMENTAL POLLUTIONS

12:30-14:00 Chairs: Mohamed Elmaghoub, Wael El Maghlany, Ayman Bakry

Experimental Investigation on Spray Characteristics of Waste-Cooking-Oil Biodiesel/Diesel Blends at Different Injection Parameters

**Medhat Elkelawy, Hagar Bastawissi, E. El Shenawy, Salma Abd Almonem**

*Mechanical Power Engineering Departments, Faculty of Engineering, Tanta University, Egypt*

Water Quality Monitoring of Lake Burullus (Egypt) Using Landsat Satellite Imageries

**A. Mohsen, M. Elshemy, B. Zeidan**

*Faculty of Engineering, Tanta University, Egypt*

Performance Analysis of a Solar Energy Based Hybrid Desiccant Air Conditioning Systems

**M.M. Bassuoni** *Environmental Pollution, Egypt*

Optimization of Renewable Energy in the Sugar Industry

**Ali A. Ghali** *Delta Sugar Company, Egypt*

Assessment of Ecological Quality of Burullus Lagoon Sediments Using Recent Benthic Foraminifera (Rhizaria)

**A.M. Badr-ElDin<sup>1</sup>, A.A. El-Badry<sup>2</sup>, O.H. Orabi<sup>3</sup>**

<sup>1</sup>*Oceanography Department, Faculty of Science, Alexandria University, Egypt*

<sup>2</sup>*National Institute of Oceanography and Fisheries, Aswan Research Station, Egypt*

<sup>3</sup>*Geology Department, Faculty of Science, Menoufia University, Egypt*

Removal of Organic Dye from Wastewater using Magnetic Nanoparticles

**N.A. BoSeada, M.A. Ahmed, M. El Mahgary**

*The British University in Egypt, Ain Shams University, Egypt*

*Internal Medicine, Faculty of Medicine, Tanta University, Egypt*

SUNDAY, 21

## SUN-A5 ENVIRONMENTAL POLLUTIONS

14:00-16:15 Chairs: Elsaied Khalil, Mohamed Elmahgoub, Ayman Bakry

Water and Food Security Assessment under Water Pollution and Climate Change Stresses

**Abdalmonem Alkhawaga, Mohamed Elshemy, Bakenaz Zeidan, Ahmed Elshinnawy**

*Faculty of Engineering, Tanta university, Egypt*

Novel Sensors for Environmental Pollutants Detection

**Ziad Khalifa** *Faculty of Engineering, The British University in Egypt*

Investigation of Saltwater Intrusion in the Nile Delta Aquifer Considering Different Scenarios including Climate Change

**Asaad M. Armanuos<sup>1</sup>, Mona G. Ibrahim<sup>2</sup>, Wael E. Mahmod<sup>2,3</sup>, Abdelazim Negm<sup>4</sup>, Jiro Takemura<sup>5</sup>, Chihiro Yoshimura<sup>5</sup>**

<sup>1</sup>*Irrigation and Hydraulics Engineering Department, Faculty of Engineering, Tanta University*

<sup>2</sup>*Japan University of Science and Technology, Alexandria, Egypt*

<sup>3</sup>*Environmental Engineering Department, Egypt-Japan University of Science and Technology, Egypt*

<sup>4</sup>*Civil Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt*

<sup>5</sup>*Faculty of Engineering, Zagazig University, Egypt*

<sup>5</sup>*Department of Civil Engineering, Tokyo Institute of Technology, Tokyo, Japan*

Performance and Emissions Characteristics of a Diesel Engine Running with Waste Cooking Oil Biodiesel Blends

**Saeed M. Belal<sup>1</sup>, Yehia A. Eldrainy<sup>2</sup>, A. H. Elbatran<sup>3</sup>, Adel A. Abdel-Rahman<sup>2</sup>**

<sup>1</sup>*Department of Mechanical Engineering, Faculty of Engineering and Technology, Arab Academy for Science and Technology and Maritime Transport, Alexandria, Egypt*

<sup>2</sup>*Mechanical Engineering Department, Faculty of Engineering, Alexandria University, Alexandria, Egypt*

<sup>3</sup>*Department of Marine Engineering, Faculty of Engineering and Technology, Arab Academy for Science and Technology and Maritime Transport, Alexandria, Egypt*

## T I M E B R E A K

## SUN-A6 CLIMATE CHANGES AND GIS APPLICATIONS

16:30-18:00 Chairs: Mohamed El Sedimi, Abdel Razek Bassiuni, Mosad Mandour

التغيرات الجيومورفولوجية المعاصرة لمجري فرع رشيد بمركز كفر الزيات باستخدام تقنيات الاستشعار عن بعد ونظم المعلومات الجغرافية

عبدالرازق بسيوني الكومي قسم الجغرافيا - كلية الآداب - جامعة طنطا - مصر

Groundwater Quality Assessment of the Shallow Aquifer in Kafr Al-Zayat District, Egypt

**Alaa A. Masoud<sup>1</sup>, Samir Z. Kamh<sup>1</sup>, Hesham A. Ezzeldin<sup>2</sup>, Zeinab Sharaallah<sup>1</sup>**

<sup>1</sup>*Geology Department, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Hydrogeochemistry Department, Desert Research Center, Cairo, Egypt*

Environmental Modeling of the Geotechnical Hazards related to the Alluvial Soil in Alexandria and El Beheira Governorates, NW Nile Delta, Egypt

**Alaa A. Masoud, Mohamed M. El-Horiny, Amira M. Lohloh**

*Department, Faculty of Science, Tanta University, Egypt*

Competency Assessment of Sentinel-2, ASTER, and EO-1 Remote Sensing Data for Soil Salinity Monitoring and Modeling

**Alaa A. Masoud<sup>1</sup>, Mohamed M. El-Horiny<sup>1</sup>, Katsuaki Koike<sup>2</sup>, Ahmed Gad<sup>3</sup>**

<sup>1</sup>Geology department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Department of Urban Management, Graduate School of Engineering, Kyoto University, Japan

<sup>3</sup>Geology Department, Faculty of Science, Ain Shams University, Egypt

Geodatabase Building and Geotechnical Modeling of the Peat and Organic Sediments, North Nile Delta, Egypt

**Alaa A. Masoud<sup>1</sup>, Samir Z. Kamh<sup>1</sup>, Aya M. Abu Elata<sup>1</sup>, Mohamed E. Sakr<sup>2</sup>**

<sup>1</sup>Geology department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Department of Structural Engineering, Faculty of Engineering, Tanta University, Egypt

Hyperspectral Vegetation Indices for the Remote Assessment of Heavy Metals Stress Detection in Cereal Crops

**M.M. Amer, A.M. Helal**

*Agricultural Engineering*

#### SUN-A7 CLIMATE CHANGES AND GIS APPLICATIONS

16:30-18:00 Chairs: Alaa Masoud, Abdelfattah Zalat, Ahmed El Baroody, Adel Helal

الحرارة المتجمعة وتأثيرها على زراعة بعض محاصيل الفاكهة بين فرعى دمياط ورشيد دراسة تطبيقية باستخدام نظم المعلومات الجغرافية

كرويس عاطف لبيب قسم الجغرافيا ونظم المعلومات الجغرافية - كلية الآداب - جامعة طنطا - مصر

تقلبات الأمطار الحالية في شمال غرب مصر

محمد زكي سالم وزارة الموارد المائية والري - مصر

التحليل المكاني للمواقع الأثرية في محافظة الغربية باستخدام نظم المعلومات الجغرافية

مسعد سلامة مندور ، رباب عبد الحكيم إبراهيم قسم الجغرافيا ونظم المعلومات الجغرافية - كلية الآداب - جامعة المنصورة - مصر

Environmental History and Climate variabilities over the Last 2500 Years in middle Egypt Derived from Diatom Record of Qarun Lake Sediments

**Abdelfattah Zalat<sup>1</sup>, Leszek Marks<sup>2</sup>, Fabian Welc<sup>3</sup>, Jerzy Nitychoruk<sup>4</sup>**

<sup>1</sup>Geology Department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Faculty of Geology, University of Warsaw, Poland;

<sup>3</sup>Institute of Archaeology, Cardinal Stefan Wyszyński University, Poland

<sup>4</sup>Pope John Paul II State Higher School of Education in Białá Podlaska, Poland

Evaluation of Satellite-Based Rainfall Estimates Over the Eastern Nile Basin

**Dena H. Zamzam, Tamer A. Gado, Bakenaz A. Zeidan**

*Department of Irrigation and Hydraulics Engineering, Faculty of Engineering, Tanta University, Egypt.*

Bias Correction of Daily Satellite-Based Rainfall Estimates Over Egypt

**Basma A. Shalaby, Tamer A. Gado, and I.M.H Rashwan**

*Department of Irrigation and Hydraulics Engineering, Faculty of Engineering, Tanta University, Egypt.*

**SUN-A8 ENVIRONMENT AND HEALTH RISKS**

18:00-19:30 Chairs: Latifa Fouda, Ikbal Elshafy, Om Ibrahim Ali

Problematic Internet Use and Psychological Problems (Depression and Loneliness) Among Tanta University Students

**Amal Ibrahim Sabra** *Faculty of Nursing, Tanta University, Egypt*

Effect of Social Skills Training Program on Improving Self Esteem Among Primary School Age Children

**Nagat Elhosseiny, Rahma S. Bahgat, Mervat H. Shalaby**

*Faculty of Nursing, Tanta University, Egypt*

Effect of Partner Abuse on The Quality of Life of Married Women

**Nahed A. Morsy, Mervat H. Shalaby, Shereen M. Abo-elyzeed**

*Faculty of Nursing, Tanta University, Egypt*

Effect of The Self Learning Module on Knowledge and Practices of Health Team Regarding Water-Borne Diseases

**Hayam M. Abd Elrazak<sup>1</sup>, Entisar A. Elkazeh<sup>2</sup>, Neamat M. Mohamed<sup>2</sup>**

<sup>1</sup>*Kafr El Sheikh General Hospital, Egypt,* <sup>2</sup>*Faculty of Nursing, Tanta University, Egypt*

Effect of Management Program on Nursing Staff Leading Role and Compliance to Follow Safety Measures at Intensive Care Units

**Samah A. Abdallah, Fouada M. Shabaan, Samar H. Ghadery, Maha E. Shokier**

*Faculty of Nursing, Tanta University, Egypt*

Osteoporosis Preventive Behaviors Among Women Based on the Health Belief Model and Self-Efficacy in Tanta City

**Neamat M. Mohamed, Afaf A. Basal, Lulah A. Hassan, Amaal M. El-Zeftawy**

*Faculty of Nursing, Tanta University, Egypt*

Health Promoting Behaviors and Menopausal Symptoms Among Egyptians: A Cross-Sectional Study

**Ehab A. Abo Ali<sup>1</sup>, Ayat S. Abdelraof<sup>2</sup>**

<sup>1</sup>*Community Medicine Dept., Faculty of Medicine, Tanta University, Egypt*

<sup>2</sup>*Psychiatry and Mental Health Nursing Dept., Faculty of Nursing, Tanta University, Egypt*

**MON-A9 ENVIRONMENT AND HEALTH RISKS**

18:00-19:30 Chairs: Nagwa Ragab, Manal Hasan, Essmat Gemeay

Effect of Relaxation Techniques on Anxiety Level for Nurses Working in Burn ICU Comparing to Nurses Working in Surgical ICU

**Mervat H. Shalaby, Hend M. Elazazy, Om Ibrahim A. Elsaie**

*Faculty of Nursing, Tanta University, Egypt*

Relation between Sense of Self and Recovery Among patients with Mental Illness

**Essmat M. Gemeay, Amal I. Sabra**

*Faculty of Nursing, Tanta University, Egypt*

Environmental and Health Effects of Benzene Exposure among Egyptian Taxi Drivers  
**Zeinab A. Kasemy<sup>1</sup>, Ghada M. Kamel<sup>2</sup>, Gaafar M. Abdel-Rasoul<sup>3</sup>, Ahmed A. Ismail<sup>3,4</sup>**

<sup>1</sup>*Public Health and Community Medicine Department, Faculty of Medicine, Menoufia University, Egypt*

<sup>2</sup>Biochemistry Department, Faculty of Medicine, Menoufia University, Egypt

<sup>3</sup>Industrial Health and Occupational Medicine, Faculty of Medicine, Menoufia University, Egypt

<sup>4</sup>Kansas State Department of Health and Environment, Topeka, USA

**Audiometric Findings in Printing Workers Exposed to Noise and Chemical Agents**  
**El-Saka S.F., Abou-ElWafa H.S., Elbestar S.F., Al-Wehedy A.**

*Department of Public Health and Community Medicine, Faculty of Medicine, Mansoura University, Egypt*

**Combating Food Poisoning Pathogens in Beef Burger Using Leaves Extract of Some Fruit Trees**

**Ali M. Ahmed<sup>1</sup>, Heba M. Shaheen<sup>1</sup>, Mariam A. Abdel-Wahab<sup>2</sup>**

<sup>1</sup>Department of Food Hygiene, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt

<sup>2</sup>Department of Food Safety and Technology, Faculty of Veterinary Medicine, Minia University, Egypt

**Food Intoxication in Ready-to-eat Meat Meals and their Risk Hazards**

**Soad A. Ismail<sup>1</sup>, Mariam A. Abdel-Wahab<sup>2</sup>**

<sup>1</sup>Department of Food Hygiene, Faculty of Veterinary Medicine, Suez Canal University, Ismailia, Egypt

<sup>2</sup>Department of Food Safety and Technology, Faculty of Veterinary Medicine, Minia University, Egypt

**Risk Analysis in Fadama Farming; Prospects and Challenges of Farming Livelihood in North-Western, Nigeria**

**Mus`Abu Shu`aibu** *School of Education, State College of Education, Nigeria*

#### SUN-B3 NATURAL RESOURCES SUSTAINABILITY

16:30-18:00 Chairs: Ramadan El Refaie, Ahmed Abdel Kader, Ibrahim Hassan, Asaad Derbala

**Use of Sunflower Water Extract and Extract Fractions as a Natural Weed Inhibitor in Wheat** **Hazem M. Amine** *Faculty of Agriculture, Tanta University, Egypt*

**Semen Quality, Sexual Desire and Relevant Blood Plasma Parameters of Egyptian Buffalo Bulls Administrated with deferent antioxidant**

**Hammad, M.E., H.A. El-Nagar; A.A. Gabr, A.R. Hemida**

*Faculty of Agriculture, Tanta University, Egypt*

**The Use of Crude Pectic Enzyme Produced by Aspergillus Sojae in Beans Processing**

**Atta M.B., Lahore M.F., Fatma A.F.**

*Faculty of Agriculture, Tanta University, Egypt*

**Fast and Easy Multiresidue Method for Determination of 55 Pesticide Residues in Commonly Consumed Fruits and Vegetables from Egyptian Local Markets**

**Sobhy A. Hamed<sup>1</sup>, Dalia E. Elhefny<sup>2</sup>, Ahmed A.A. EL-Ghanam<sup>2</sup>**

*Faculty of Agriculture, Tanta University, Egypt*

**Biodiesel Production Parameters Optimization from Sunflower and Soybean Oil Mixture using Response Surface Methodology**

**Medhat Elkelaywy, Hagar A. Bastawissi, Khaled K. Esmail, Ahmed M. Radwan**

*Mechanical Power Engineering Departments, Faculty of Engineering, Tanta University, Egypt*

**Identify Recharging Sources and Study the Chemical Evolution of Groundwater, West Esna, Western Desert, Egypt**

**Hesham A. Ezzeldin, Usama A. Abu Risha**

*Water Resources and Desert Soils Division, Desert Research Center, Egypt*



**SUN-B4 NATURAL RESOURCES SUSTAINABILITY**

16:30-18:00 Chairs: Mahmoud Ibrahim, Esawy Kasem, Ahmed Mohamed, Sally Midan

Seepage Through an Earth Dams with Internal Cut Off

**Michael Attia, Mohamed Abdelrazek, Adel Abdelsalam***Irrigation Engineering and Hydraulics Department, Faculty of Engineering, Alexandria University, Egypt*

Hydrological Modelling of Eastern Nile Basin Using A Fully Distributed Model Based on TRMM 3B42V7 Satellite Precipitation Product

**Hadir Abd-El Moneim, Mohamed Reda Soliman, Hossam M. Mogazhy***Irrigation Engineering and Drainage, Faculty of Engineering, Alexandria University, Egypt*

Agricultural Groundwater Sustainability Assessment under Current Extraction Rate, Case Study: New Reclaimed Area in Sahl Baraka, Farafra Oasis

**Yahya Elmansy<sup>1</sup>, Mahmoud S. Mohamed<sup>1</sup>, Ahmed A. Hassan<sup>2</sup>, A.M. El-Gindy<sup>2</sup>, Peter Riad<sup>1</sup>**<sup>1</sup>*Irrigation and Hydraulics Department, Faculty of Engineering, Ain Shams University, Egypt*<sup>2</sup>*Agricultural Engineering Department, Faculty of Agriculture, Ain Shams University, Egypt*Management of Postharvest Diseases of Citrus through Environment Friendly Approaches  
**Zafar Iqbal, Muhammad Zohaib Anjum, Awais Ahmad Khan, Salman Ahmad, Muhammad Asim***Department of Plant Pathology, College of Agriculture, University of Sargodha, Pakistan*

Regional Climate Change Impact on Future Drought Conditions in the Upper Blue Nile River Basin of Ethiopia

**Mosaad Khadr, Mohamed Elkollaly** *Faculty of Engineering, Tanta University, Egypt*

Comparative Effects of Soil Amendments and Nano-Zinc Foliar Application on Saline-Sodic Soil Properties and Wheat Production

**M.S. El-Sharkawy, M.A. Abd EL-Aziz, T.H. Khalifa***Soil and Water Departments, Faculty of Agriculture, Tanta University, Egypt***SUN-B5 NATURAL RESOURCES SUSTAINABILITY**

18:00-19:30 Chairs: Samir El Seifi, Nevein El-Sawah, Mohamd Ragab, Gehan El-Sharqawy

Tetraploid Induction, Flow Cytometer Identification and Characterization of Chinese Privet (*Ligustrum Sinense* Lour)**Mohammed I. Fetouh<sup>1</sup>, Zhanao Deng<sup>2</sup>**<sup>1</sup>*Horticulture Department, Faculty of Agriculture, Tanta University, Tanta, Egypt; and Institute of Food and Agricultural Sciences, University of Florida, USA*<sup>2</sup>*Department of Environmental Horticulture, Gulf Coast Research and Education Center, Institute of Food and Agricultural Sciences, University of Florida, USA*

The Bases of Developing Natural Resources in Sudan: Case Study of Forest Resource

**Intsar Mohammed Saboun** *Dalanj University, Sudan*

Green Economy and its Role in Achieving Sustainable Development

**Mohammed M. El-Shaer** *The National Social Insurance Authority, Mansoura, Egypt*

Numerical and Field Study of The Dividing Of 60° Junction Samol Canal, El-Mahalla El-Kubra, Gharbia Governor, Egypt

**Ahmed M. Zahran<sup>1</sup>, Tamer A. Gado<sup>2</sup>, I.M. Rashwan<sup>2</sup>**



<sup>1</sup>Ministry of Water Resources and Irrigation, Egypt

<sup>2</sup>Irrigation and Hydraulic Engineering Department, Faculty of Engineering, Tanta University, Egypt

Effects of Seasonal Variation on the Biology and Morphology of the Dusky Cotton Bug, *Oxycarenus Laetus* (Kirby)

**Muhammad Mithal<sup>1</sup>, Hakim Ali<sup>1</sup>, Khalid Hussain<sup>2</sup>, Nadir Ali<sup>2</sup>, Akhtar Hussain<sup>2</sup>, Ashique Hussain<sup>3</sup>, Hidayat Ullah<sup>3</sup>, Mohamed Shahen<sup>4</sup>**

<sup>1</sup>Department of Zoology, Faculty of Natural Sciences, Shah Abdul Latif University, Khairpur-Sindh, Pakistan

<sup>2</sup>Department of Molecular Biology and Genetics, Shaheed Benazir Bhutto University, Pakistan

<sup>3</sup>Department of Chemistry, Shaheed Benazir Bhutto University, Pakistan

<sup>4</sup>Department of Zoology, Faculty of Science, Tanta University, Tanta, Egypt

Overexpression of the NAC Transcription Factor SNAC3 Enhances Salt Stress Tolerance and Improves Grain Yield in Rice (*Oryza Sativa* L.): Towards Developing New Promising Cultivars

**Mohamed A. El-Esawi<sup>1,2</sup>, Margaret Ahmad<sup>2</sup>**

<sup>1</sup>Botany Department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>UMR CNRS 8256 (B2A), IBPS, University of Paris VI, France

**SUN-B6 RATIONAL USE OF DRUGS AND PHARMACOECONOMICS**

**17:00-18:30 Chairs: Nahla EL-Ashmawy, Amal Abo-Kamar, Sahar El-Haggar**

The Phosphodiesterase Inhibitor Pentoxifylline as a Novel Adjunct to Antidepressants in Major Depressive Disorder Patients: A Proof-of-Concept, Randomized, Double-Blind, Placebo-Controlled Trial

**Sahar El-Haggar<sup>1</sup>, Mai Eissa<sup>2</sup>, Tarek Mostafa<sup>1</sup>, Khaled El-Attar<sup>3</sup>, Mahmoud Abdallah<sup>4</sup>**

<sup>1</sup>Department of Clinical Pharmacy, Faculty of Pharmacy, Tanta University, Egypt

<sup>2</sup>Department of Neuropsychiatry, Faculty of Medicine, Tanta University, Egypt

<sup>3</sup>Military Psychiatry Hospital, Cairo, Egypt

<sup>4</sup>Department of Clinical Pharmacy, Faculty of Pharmacy, University of Sadat City, Egypt

Toxicological Effects of Aflatoxin on Liver and Kidney of Rats

**Hanaa Atef Naseem** Plant Protection Department, Faculty of Agriculture, Tanta University, Egypt

Detection of *Mycoplasma Hominis* and *Ureaplasma Urealyticum* in Urine of Pregnant Women and Their Antibiotic Susceptibility Pattern

**Nagwan M. Elkolaly<sup>1</sup>, Marwa M. Abd-Elmonsef<sup>1</sup>, Mostafa Z. Mohamed<sup>2</sup>, Ahmed M. Amin<sup>1</sup>**

<sup>1</sup>Departments of Microbiology & Immunology, Faculty of Medicine, Tanta University, Egypt

<sup>2</sup>Obstetric and Gynecology Department, Faculty of Medicine, Tanta University, Egypt

Effects of Adding Vildagliptin to Metformin on Major Cardiovascular Risk Parameters in Egyptian Diabetic Patients

**Bassant M. Mahboub<sup>1</sup>, Sahar M. El-Haggar<sup>2</sup>, Yasser M. Abdelraouf<sup>3</sup>, and Gamal A. El-Azab<sup>2</sup>**

<sup>1</sup>Drug and Poison Information Center, Faculty of Pharmacy, Tanta University, Tanta, Egypt

<sup>2</sup>Clinical Pharmacy Department, Faculty of Pharmacy, Tanta University, Tanta, Egypt

<sup>3</sup>Internal Medicine Department, Faculty of Medicine, Tanta University, Tanta, Egypt.

EDTA as a Double-Edged Sword Agent: Toxicological, Nutritional and Anticancer Applications

**Sabry A. Elnaggar** Zoology Department, Tanta University, Egypt

The Potential Use of *Musa* Sp. Leaves Extract for Heavy Metals Detoxification

Karim El-Said<sup>1</sup>, Heba Mahmoud<sup>2</sup>, Hala El-Tantawy<sup>3</sup>, Doaa Kabil<sup>4</sup>, Mahrous Ibrahim<sup>5,6</sup>,  
Abdelhalim Alkhazendar<sup>7</sup>, Sabry El-Naggar<sup>7</sup>

<sup>1</sup>Chemistry Department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Pharmacology Department, Faculty of Medicine, Tanta University, Egypt

<sup>3</sup>Zoology Department, Faculty of Science, Ain Shams University, Egypt

<sup>4</sup>Nutrition and Food Science, Faculty of Specific Education, Tanta University, Egypt

<sup>5</sup>Forensic Medicine and Clinical Toxicology, College of Medicine, Jouf University, Saudi Arabia

<sup>6</sup>Forensic Medicine and Clinical Toxicology Department, Faculty of Medicine, Suez Canal University, Egypt

<sup>7</sup>Zoology Department, Faculty of Science, Tanta University, Egypt

## MONDAY, 22

### 10:00-11:00 KEYNOTE SPEAKERS

**Prof. Hossam Moghazy**, Former Minister of Water Resources

**Prof. Ashraf Hatem**, Former Minister of Health

**Prof. Amrane Abdeltif**, University of Rennes1, France

### 11:00-11:30 Plenary Lecture (2): Post COVID-19 & Educational Environment

### MON-A10 ENVIRONMENT IN LITERATURE, LEGISLATIONS AND SPORTS

12:00-13:30 Chairs: Abdegawad El Nady, Shokry Megahed, Hala Omar, Walaa Arakeeb

The Ecocritical Poetics of Space in Egyptian Literature for Children: The Case of Abdel-Tawab Youssef **Abdulgawad Elnady** Faculty of Arts, University of Tanta, Egypt

تقصي آثار الإبادة البيئية عبر رواية "الأفيون والعصا" للروائي الجزائري مولود عامري

فاطمة نصر كلية الآداب - جامعة طنطا - مصر

The Ecological function in Mike Bratlett's Earthquakes in London

**Ruwayda Gaber** Cairo University, Egypt

An Ecocritical Study of Nadine Gordimer's The Conservationist (1974), The Pickup (2001), and Get a Life (2005)

**Marwa Abdul-Hamid El-Fert** Faculty of Arts, Tanta University, Egypt

Water Conservation in Indian History and Literature

**Prithwiraj Jha** Department of Zoology, Raiganj Surendranath Mahavidyalaya, India

أهمية دعاوى المصلحة العامة في الحفاظ على البيئة في التشريع الصيني

محمد عبد النبي غانم كلية الحقوق - جامعة طنطا - مصر

### MON-B7 WASTE MANAGEMENT (3RS)

12:00-13:30 Chairs: Abdalla Mosad, Aymen Hafez, Mousa Salem

Exploratory Investigation of Recycling Local Agricultural Wastes Recycled for Sustainable Applications

**A. Bakry<sup>1</sup>, K. Rabie<sup>1</sup>, A. Albastawisi<sup>2</sup>, A. Sharkawi<sup>2</sup>**

<sup>1</sup>Power Mechanical Engineering Department, Faculty of Engineering, Tanta University, Egypt

<sup>2</sup>Structural Engineering Department, Faculty of Engineering, Tanta University, Egypt

Evaluation of Canola Biodiesel Purification for Its Using as a Substitute for Diesel Fuel in Rural Communities

**M.M. El-Wehishy<sup>1</sup>, M.M. Mostafa<sup>2</sup>, A.I. Moussa<sup>3</sup>, M.A. El-Nono<sup>4</sup>**

<sup>1</sup>Agricultural Engineering Research Institute, ARC, Dokki, Giza, Egypt

<sup>2</sup>Agricultural Engineering Department, Faculty of Agriculture, Ain Shams University, Cairo, Egypt

<sup>3</sup>Agricultural Engineering Research Institute, ARC, Egypt

<sup>4</sup>Agricultural Engineering Department, Faculty of Agriculture, Ain Shams University, Cairo, Egypt

Development a Prototype for Improving the Performance of the Cleaning Unit in Combine Harvesting Machine

**Sehsah, E.E, S.E. Abouzaher, R.M. Kholief, A.H. El-Hanafy**

*Agriculture Engineering*

Monitoring White Mold Sclerotia Perorates to Reduce the Risks Impact on Soybean Seeds **Amina Albebany** Tanta University, Egypt

Producing Vinegar from Unmarketable Dates of Three Libyan Cultivars Using Double Stage Fermentation Method

**Mohamed Abusaa Fennir, Mohamed Taher Morghem, Khalid Mohammed Alsamin**

*Faculty of Agriculture, Tripoli University, Libya*

Waste Management in a Ceramic Wall Tiles Factory

**M.G. Elmahgary, Sh.K. Amin, N.F. Abdel Salam, M.F. Abadir**

*Chemical Engineering Department, Faculty of Engineering, The British University in Egypt*

*Chemical Engineering and Pilot Plant Department, National Research Centre (NRC), Egypt*

*Chemical Engineering Department, Faculty of Engineering, Cairo University, Egypt*

#### MON-B8 WASTE MANAGEMENT (3RS)

12:00-13:30 Chairs: Mohmed Morad, Naser Kamal, Samy Hemed, Osama Kador

Utilization of Protein-Rich Wastes in Production of Protease by Bacteria

**Rana E. Gomaa<sup>1</sup>, Ahmed I. Khalil<sup>1</sup>, Ramadan S. Attia<sup>2</sup>**

<sup>1</sup>Institute of Graduate Studies and Research, University of Alexandria, Egypt

<sup>2</sup>Department of Food Science and Technology, Faculty of Agriculture, University of Alexandria, Egypt

An Innovative Automatic Device for Nondestructive Inspection and Sorting Potato based on Laser Beam, Color Sensor, Arduino

**Morad, M.M<sup>1</sup>, S.G. Hemed<sup>2</sup>, A.M. Abokarima<sup>2</sup>, R.M. El-Olimy<sup>2</sup>**

<sup>1</sup>Faculty of Agriculture, Zagazig University, Egypt

<sup>2</sup>National Research Centre (NRC), Egypt

Egypt's Rubbish is a Wasted Investment and a Growing Burden

**Ahmed El-Sebaei** *Al-Ahram Economic Journal, Egypt*

Stability and Adaptability of Some Egyptian Cotton Varieties for Lint Cotton Field

**Elsayed H. El-Seidy** *Faculty of Agriculture, Tanta University, Egypt*

Evaluation of Some Egyptian Cotton Cultivars in Different Locations Differed in Type of Soils and Quality of Irrigation Water

**Elsayed H. El-Seidy** *Faculty of Agriculture, Tanta University, Egypt*

Recycling of Cullet, Waste Clay Bricks and Wastes Resulted from Wheat and Sugarcane Cultivations in the Manufacture of Fired Clay Bricks

**Mai H. Roushdy** *Faculty of Engineering, British University, Egypt*

**MON-B9 WASTE MANAGEMENT (3RS)**

**12:00-13:30** Chairs: Elsayed Elseidy, Ahmed Fouad, Naser El Ashmawy, Zakaria Ismail

Fabrication of Solar Powered Compressor Less Refrigerator Unit Using Peltier Module

**S.G. Hemeda, A.M. Abokarima, R.M. El-Olimy**

*National Research Centre (NRC), Egypt*

Modified Manual Knapsack Sprayer to Operate with Solar Energy Through Air Compressor

**Samy G. Hemeda, Abdulwahed M. Abokarima, Mohamed S. El Marazky**

*National Research Centre (NRC), Egypt*

Time Composted Effect on Recycling Some Organic Wastes

**Nsser Kamal** *Faculty of Agriculture, Tanta University, Egypt*

Evaluation of Some Traits Under Different Locations as Affected by Saline Soils and Water Quality in Cotton **El-Seidy, E.H<sup>1</sup>, S.A. Shaker<sup>2</sup>, Hanan El- Ganayny<sup>2</sup>**

<sup>1</sup>*Agron Department, Faculty of Agriculture, Tanta University, EGYPT*

<sup>2</sup>*Cotton Research Institute, Agriculture Research Center, Egypt*

Production of Thermal Insulation for Flat Surfaces from Compressed Palm Leaf

**Nasser M. El Ashmawy** *Agricultural Engineering Research Institute, Agricultural Research Center, Egypt*

Ethanol Production from Residues of Different Saudi Dates Cultivars

**Nasser M. Alashmawy<sup>1</sup>, Kheled Ehmed<sup>2</sup>, Mahmoud Younis<sup>2</sup>, Abdullah Alhamdan<sup>2</sup>**

<sup>1</sup>*Agricultural Engineering Research Institute, Agricultural Research Center, Egypt*

<sup>2</sup>*College of Food & Agricultural Sciences, King Saud University; Saudi Arabia*

Virtual Evaluation of the Accuracy of Fit and Trueness in Maxillary

Poly(etheretherketone) Removable Partial Denture Frameworks Fabricated by Direct and Indirect CAD/CAM Techniques

**Enas Elhamy Negm, Faten Ahmed Aboutaleb, & Ahmed M. Alam-Eldein**

*Department of Removable Prosthodontics, Faculty of Dentistry Tanta University, Egypt*

Analysis of Mechanical Properties of Recycled Polypropylene

**A.M. Khourshid,** *Mansoura University, EGYPT*

**MON-A11 GREEN ENERGY AND SMART CITIES**

**13:30-15:00** Chairs: Abd Elnaby Kabeel, Elsayed Elagous, Kamal El Nahas

Low Capacity Solar Thermal Desalination Units for Arid regions

**A.E. Kabeel** *Faculty of Engineering, Tanta University, Egypt*

Modified Tubular Solar Still uses Silica Gel to Extract Water Content from Air

**F.A. Essa, A.H. Elsheikh, Z.M. Omara, Otto L. Muskens, A.E. Kabeel**

*Faculty of Engineering, Kafrelsheikh University*

The Effect of Cooling the Bottom Surface of The Photovoltaic Panels on its Daily Performance

**S.M. Shalaby, H.F. Abosheisha, M.K. Elfakharany, B.M. Moharram**

*Faculty of Engineering, Tanta University, Egypt*

Enhancing the Productivity of Stepped Type Absorbable Plate using Chedz

**B. Gurukarthik Babu, D. Prince Winston, V.C. Padmanaban, A. Kabeel, S. Krishna Kumar, P. Vinothkumar, Ravishankar Sathyamurthy**

*Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, India*

*Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Egypt*

*Department of Automobile Engineering, Hindustan Institute of Technology and Science, Chennai, India*

The Effect of using Concentrating Photovoltaic Panel with Passive Cooling Technique on The Panel's Performance and The Environment

**Mahmoud Eltaweel<sup>1</sup>, Ahmed A. Abdel-Rehim<sup>1,2</sup>**

<sup>1</sup>*Mechanical Engineering Department, The British University in Egypt, Egypt*

<sup>2</sup>*Shoubra Faculty of Engineering, Benha University, Egypt*

تأثير العمران المستدام على التنمية السياحية بالمدن الساحلية

ولاء نور، مروة أحمد، ميار خورشيد

قسم الهندسة المعمارية - كلية الهندسة - جامعة طنطا

**MON-C1 NANOTECHNOLOGIES AND THEIR APPLICATIONS**

**13:30-15:00 Chairs: Tarek Fayed, Nehal Slahuddin, Thanaa Shalaby**

Tissue Distribution and Excretion of Silver Nanoparticles in Pregnant Rats and Fetuses after A Single Oral Dose

**Elsayed I. Salim<sup>1</sup>, Khaled Y. Abdel-Halim<sup>2</sup>, Sally E. Abu-Risha<sup>3</sup>, Ahmed S. Abdel-Latif<sup>1</sup>**

<sup>1</sup>*Department of Zoology, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Mammalian & Aquatic Toxicology Department, Central Agricultural Pesticides Lab. (CAPL), Egypt*

<sup>3</sup>*Department of Pharmacology & Toxicology, Faculty of Pharmacy, Tanta University, Egypt*

Cancer Promoting Potential of Silver Nanoparticles on A Rat Multiorgan Carcinogenesis Bioassay Through 8-OHdG Formation and Accumulation in Different Organs

**Elsayed I. Salim<sup>1</sup>, Khaled Y. Abdel-Halim<sup>2</sup>, Mostafa E. El-Mahalawy<sup>1</sup>**

<sup>1</sup>*Department of Zoology, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Mammalian & Aquatic Toxicology Department, Central Agricultural Pesticides Lab. (CAPL), Egypt*

Effect of Ionene Structure on The Adsorption of Anionic Dye onto Na+-Montmorillonite/Polyaspartate-Ionene Composites

**Mohamed H. El-Newehy, Hany El-Hamshary, Abeer S. Elsherbiny**

*Chemistry Department, Faculty of Science, Tanta University, Egypt*

Hyperthermia in Combination with Supraparamagnetic Graphene Oxide Delivery System for Doxorubicin Induced Distinguished Tumor Cell Cycle Arrest and Apoptosis

**Mohamed L. Salem<sup>1,2</sup>, Ali Gemeay<sup>3</sup>, Soha Gomaa<sup>1</sup>, Maha A. Aldubayan<sup>4</sup>, Lobna Assy<sup>1,2</sup>**

<sup>1</sup>*Immunology and Biotechnology Unit, Department of Zoology, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Center of Excellence in Cancer Research, Tanta University, Teaching Hospital, Tanta University, Egypt*

<sup>3</sup>*Department of Chemistry, Faculty of Science, Tanta University, Egypt*

<sup>4</sup>*Pharmacology and Toxicology Department, College of Pharmacy, Qassim University, KSA*

Performance Enhancement of Reverse Osmosis (RO) Membrane Using Nanocomposite Materials

**A.E. Kabeel<sup>1</sup>, A. Khalil<sup>1</sup>, Y.F. EL-Samadony<sup>2</sup>, M.A. Sharaf<sup>3</sup>**

<sup>1</sup>Mechanical Engineering Department, Faculty of Engineering, Tanta University, Egypt

<sup>2</sup>Mechanical Engineering Department, Faculty of Engineering, Beirut Arab University, Lebanon

<sup>3</sup>Mechanical Engineering Department, Faculty of Engineering, Kafrelsheikh University, Egypt

Environmental Analysis for Flat-Plate Solar Collector using Multi-Walled Carbon Nanotube/Water Nanofluid

**Mahmoud Eltaweel<sup>1</sup>, Ahmed A. Abdel-Rehim<sup>2</sup>**

<sup>1</sup>Mechanical engineering department, The British University in Egypt, Egypt

<sup>2</sup>Shoubra Faculty of Engineering, Benha University, Egypt

**MON-C2 NANOTECHNOLOGIES AND THEIR APPLICATIONS**

**13:30-15:00 Chairs: El-Refaie Kenawi, Nehal Slahuddin, Tarek Mostafa**

Effect of Different Nano-fertilizers on Alfalfa Plants Grown Under Different Salt Stresses in Hydroponic System

**M. EL-Sharkawy<sup>1</sup>, T. EL-Beshbeshy<sup>1</sup>, E. Mahmoud<sup>1</sup>, N. Abdelkader<sup>1</sup>, R. Al-Shal<sup>1</sup>, A. Missaoui<sup>2</sup>**

<sup>1</sup>Soil Science and Water Department, Faculty of Agriculture, Tanta University, Tanta, Egypt

<sup>2</sup>Department Crop and Soil Sciences and Center for Applied Isotope Studies, University of Georgia, USA

Induction of 8-Hydroxydeoxyguanosine by Zinc Oxide Nanoparticles in Pregnant Rats after Intravenous Injection

**Fouad A. Abou-Zaid<sup>1</sup>, Elsayed I. Salim<sup>1</sup>, Khaled Y. Abdel-Halim<sup>2</sup>, Naira M. Al-Fiky<sup>1</sup>**

<sup>1</sup>Zoology Department, Faculty of Tanta, Tanta University, Egypt

<sup>2</sup>Toxicology Department, Agricultural Research Center (ARC), Egypt

Nanofibers Science, Technology and Applications

**El-Refaie Kenawy** Chemistry Department, Faculty of Science, Tanta University, Egypt

Synthesis and Impact of Apoptotic Effects of Gemcitabine Loaded on Albumin Nanoparticles with and without Coating with Chitosan on MCF-7 Cell Line

**Elsayed I. Salim<sup>1</sup>, Eman A. Abd El Khalik<sup>2</sup>, Thanaa I. Shalaby<sup>2,4</sup>, Ehab M.M. Ali<sup>2,3</sup>**

<sup>1</sup>Zoology Department, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Biochemistry Department, Faculty of Science, King Abdulaziz University, Saudi Arabia

<sup>3</sup>Chemistry Department, Faculty of Science Tanta University, Egypt

<sup>4</sup>Medical Biophysics Department, Medical Research Institute, Alexandria University, Egypt

Synthesis, Characterization and Evaluating the Behavior of Curcumin Nanoemulsions as Photosensitizer Agent on MCF-7 Cell Line

**Eman A. Abd El Khalik<sup>1</sup>, Thanaa I. Shalaby<sup>2</sup>, Doha M. Beltagy<sup>3</sup>, Mai A. Elkeey<sup>1</sup>, Tarek M. Mohamed<sup>1</sup>**

<sup>1</sup>Chemistry Department, Faculty of Science, Tanta University, Tanta, Egypt

<sup>2</sup>Medical Research Center, Alexandria University

<sup>3</sup>Chemistry Department, Faculty of Science, Damanhur University

MONDAY, 22

## MON-C3 NANOTECHNOLOGIES AND THEIR APPLICATIONS

13:30-15:00 Chairs: Mohamed L. Salem, El-Refaie Kenawi, Ahmed Rehab

Nano-Hybrid based on Polypyrrole/Chitosan/Grapheneoxide Magnetite Decoration for Dual Function in Water Remediation and it's Use to Form Fashionable Colored Product  
**Nehal A. Salahuddin, Hosny A. EL-Daly, Rehab G. El Sharkawy, Beshoy T. Nasr**

*Chemistry Department, Faculty of Science, Tanta University, Egypt*

Fabrication of Mesoporous Molecular Sieves Embedded Titanium for Efficient Removal of Methylene Blue from Water: Photocatalytic Activities and Luminescence studies  
**Tarek A. Fayed, Marwa N. El-Nahass, Hosni El-Daly, Amal Shoukry**

*Faculty of Science, Tanta University, Egypt*

Behavior of Surface Coated Zirconium Silicate-Nanopolyaniline with Zerovalent Copper (ZrSiO<sub>4</sub>@NPANI@nZVCu) Toward Catalytic Reduction of Nitroanilines

**Magda E. Abouelanwar, Mohamed E. Mahmoud, Mohamed F. Amira, Seleim M. Seleim**

*Faculty of Sciences, Alexandria University, Egypt*

Thermo-Triggered Drug Release from Targeting Magnetic Polyurethane Urea Nanocomposite

**Nehal Salahuddin, Ahmed Rehab, Sahar Abd Elghany**

*Chemistry Department, Faculty of science, Tanta University, Egypt*

Dexamethasone Simulates the Effect of Nano Formulated Paclitaxel in Breast Cancer  
**Thoria Diab<sup>1</sup>, Samar Alkafas<sup>1</sup>, Thanaa Shalaby<sup>2</sup>, Mohamed Hessien<sup>1</sup>**

<sup>1</sup>*Department of Chemistry, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Department of Chemistry, Medical Research Institute, Alexandria University, Egypt.*

Impact of Graphene Oxide Nano Sheets Loaded with Chemotherapy Drug on Tumor Cells

**Mohamed L. Salem<sup>1,2</sup>, Ali Gemeay<sup>3</sup>, Soha Gomaa<sup>1</sup>, Maha A. Aldubayan<sup>4</sup>, Lobna Assy<sup>1,2</sup>**

<sup>1</sup>*Immunology and Biotechnology Unit, Department of Zoology, Faculty of Science, Tanta University, Egypt*

<sup>2</sup>*Center of Excellence in Cancer Research, Tanta University, Teaching Hospital, Tanta University, Egypt*

<sup>3</sup>*Department of Chemistry, Faculty of Science, Tanta University, Egypt*

<sup>4</sup>*Pharmacology and Toxicology Department, College of Pharmacy, Qassim University, KSA*

<sup>2</sup>*Shoubra Faculty of Engineering, Benha University, Egypt*

## T I M E B R E A K

## MON-C4 ENVIRONMENTAL IMPACT ON ORAL HEALTH

15:30-17:00 Chairs: Mohammed Elsheikh, Ali Elsheikh, Mohamed Elshal

Locator versus Equator Attachment Used with Mandibular Implant Retained Overdenture: An In-Vitro Study

**Rana Osama El-Bahrawy, Zeinab Ahmed El-Shourbagy, Safa'a Al-Sayed Asal**

*Prosthodontic Department, Tanta university, Egypt*

Comparison of Two Different Feeding Methods for Cleft Palate Babies



**Amal Abed Elaziez Salem** *Prosthodontic Department, Faculty of Dentistry, Tanta University, Egy*

The Effect of Storage Times and Temperature Degrees of Cleansing Solutions on Retention of Overdenture Bar Attachments

**Bahaa El-Deen Abd El-Azeem, Ahmed M. Alam-Eldein, Mohamed M. El-Sheikh**

*Faculty of Dentistry, Tanta University, Egypt*

Stress Analysis of Short Implants with Different Diameters in Maxillary Bilateral Distal Extension Bases

**Amr A. Abd-Elfattah, Said M. Abd-Allah, Ali M. El-Sheikh**

*Faculty of Dentistry, Tanta University, Egypt*

Awareness of Employees and Non-Medical Students at Tanta University Toward Oral Cancer

**Basant H. Abozaid, Nora A. Shalaby, Yomna S. Abd El-Aziz, Houssam Hebeish, Iman S. Elshamy, Madonna A. Morcos, Ahmed S. Rageh, Samar M. Amer, Mohamed A. Shaheen, Ranya W. Shehabeldeen, Esraa E. Elmalky, Asmaa M. Elserisy, Aya A. Dndn, Munir G. Abdel-Fattah**

*Faculty of Dentistry, Tanta University, Egypt*

#### MON-C5 ENVIRONMENTAL IMPACT ON ORAL HEALTH

15:30-17:00 Chairs: Abeer Derag, Safaa Ghobashi, Nahed Kashef

Relationship between Shear Bond Strength and Fluoride Content of Fluoridated Teeth as Stated by Scanning Electron Microscopy and X-Ray Fluorescence Analysis

**Samy M. El-Safty<sup>1</sup>, Tasneem A. Almohamady<sup>2</sup>**

<sup>1</sup>*Department of Dental Biomaterials, Faculty of Dentistry, Tanta University, Egypt*

<sup>2</sup>*Orthodontist, El-Santa Central Hospital, El-Santa, Egypt*

Maxillary Molar Distalization by A Modified Palatally Anchored Expander

**Mohamed Elsharty, Neven Fakhry, Atia Abd Elwareth Yousif, Ahmed Ashour, Safaa Ghobashy**

*Orthodontics Department, Faculty of Dentistry, Tanta University, Egypt*

Remineralization Efficiency of Chicken Egg Shell Powder (Cesp) on Artificially Induced Dental Erosion in Primary Teeth: An In-Vitro Study

**Eman M. El-Bahrawya<sup>1</sup>, Ahmed I. El-Dosoky<sup>2</sup>**

<sup>1</sup>*Dental Biomaterials Department, Faculty of Dentistry, Tanta University, Egypt*

<sup>2</sup>*Oral Health & Preventive Dentistry, Faculty of Dentistry, Tanta University, Egypt*

Biomedical Waste Disposal: knowledge, Attitude and Practice among Dental Practitioner in Tanta City, Egypt

**Ahmed Ibrahime El Dosoky** *Faculty of Dentistry, Tanta University, Egypt*

#### MON-C6 EDUCATION FOR GREEN ENVIRONMENT

15:30-17:00 Chairs: Yasser Bayomi, Abdel Rahman Mohamed, Abdel Raof Badawy

المدرسة و"المواطنة البيئية" لتحقيق التنمية المستدامة رؤية تحليلية نقدية

هويدا محمود الإتربي كلية التربية - جامعة طنطا - مصر

دور الإعلام التربوي في تحقيق الاقتصاد الأخضر رؤية تحليلية نقدية

سلامة صابر العطار كلية التربية - جامعة عين شمس - مصر



رؤية مقترحة للتربية من أجل بيئة خضراء بالجامعات المصرية

إبراهيم السيد غنيم كلية التربية بنين - جامعة الأزهر بالقاهرة - مصر

تصور مقترح لبيئة جامعية جاذبة في ضوء فلسفة الجامعات الخضراء

السيد خيرى داود كلية التربية بتفينا الأشراف - جامعة الأزهر - مصر

دور قيادات الأقسام العلمية في تحقيق الاستدامة البيئية ببعض كليات جامعة الأزهر- دراسة ميدانية

محمد عبد الفتاح حسين قسم الإدارة والتخطيط والدراسات المقارنة - كلية التربية - جامعة الأزهر - مصر

دور كليات التربية في تنمية الوعي بالاستثمار الأخضر لشواطئ الأنهار المصرية

مجدي صلاح المهدي كلية التربية - جامعة المنصورة - مصر

التربية والتغيير الاجتماعي في ظل الانتقال للاقتصاد الأخضر

أميرة عبد السلام زايد كلية التربية - جامعة كفر الشيخ - مصر

الشراكة بين الأسرة والروضة مدخل لتربية الأطفال من أجل بيئة خضراء

جمعه سعيد تهامي جامعة بني سويف - مصر

#### MON-C7 EDUCATION FOR GREEN ENVIRONMENT

15:30-17:00 Chairs: Nabil Fadl, Abdelwahab Kamel, Samir El Kweet

مشروع الأسبوع البيئي المدرسي وتنمية المسؤولية البيئية لطلاب التعليم قبل الجامعي (نموذج للشراكة بين

كليات التربية ومدارس التعليم العام)

السيد سلامة الخميسي ، صفاء مصطفى سويان كلية التربية - جامعة دمياط - مصر

متطلبات تفعيل الجامعات صديقة البيئة في جمهورية مصر العربية على ضوء خبرات بعض الدول

علا عاصم إسماعيل كلية التربية - جامعة المنصورة - مصر

دور جامعة طنطا في تفعيل مفاهيم الاقتصاد الأخضر وتحقيق التنمية المستدامة لدى طلابها

محمد إبراهيم خليل كلية التربية - جامعة طنطا - مصر

Women Farming Livelihood as Tool for Sustainable Development and Green

Environment; Issues and Prospects

**Mohammed Ayuba**

*Jigawa State College of Education Gumel School of Agric Education, Nigeria*

البيئة في رؤية مصر ٢٠٣٠

راندا الديق كلية التربية - جامعة طنطا - مصر

نموذج التربوي الإسلامي المقترح للتربية من أجل بيئة خضراء (نموذج الشجرة)

صالح بن علي أبو عرّاد كلية التربية - جامعة الملك خالد - المملكة العربية السعودية

دور الجامعة في مواجهة مشكلات البيئة (مدخل تربوي)

عبد الرؤوف محمد بدوي كلية التربية - جامعة طنطا - مصر

## MON-C8 ENVIRONMENTAL ACCESS FOR PERSONS WITH DISABILITIES

17:00-18:30 Chairs: El Sayed El Khamisi, Magdy Salah, Mohamed El Turiqi

برنامج مقترح للتكامل الحسي لتنمية الوعي ببعض قيم المواطنة (التدريب على مهارات حماية صحة الذات والبيئة) لدى الكفيف.

زينب محمود شقير كلية التربية - جامعة طنطا - مصر

مدى اعتماد الأشخاص ذوي الإعاقة والمسؤولين التنفيذيين على وسائل الإعلام التقليدية والحديثة للتعرف على أساليب تطبيق الإتاحة في مصر

إبراهيم حلمي عمارة قسم الإعلام - كلية الآداب - جامعة طنطا - مصر

عناية الإسلام بالبيئة وتهيئتها لذوي الإعاقة

منصور محمد يوسف جامعة المدينة العالمية ميديو - ماليزيا

الإعلام والتوعية بالحقوق البيئية للأشخاص ذوي الإعاقة

صابر حمد حماد جامعة القاهرة - مصر

البيئة والإعاقة البصرية رؤية حقوقية

طارق محمد الأورفلي كلية الدراسات العليا - جامعة القاهرة - مصر

التوعية الأثرية للأشخاص ذوي الإعاقة البصرية

احمد محمد السيد المتحف المصري - مصر

## MON-C9 ENVIRONMENTAL ACCESS FOR PERSONS WITH DISABILITIES

17:30-18:30 Chairs: Salama El Attar, Zainab Shuqair, Mohamed Nasef

التلوث البيئي وعلاقته باضطراب طيف التوحد

أسامة فاروق سالم كلية التربية الخاصة - جامعة مصر للعلوم والتكنولوجيا - مصر

مشكلات دمج التلاميذ ذوي الاحتياجات الخاصة بمدارس العاديين في الحلقة الأولى من التعليم الأساسي

هويدا محمود الإترابي كلية التربية - جامعة طنطا - مصر

تجربة جامعة الشارقة في دمج الطلبة من ذوي الإعاقة

فارس عبد الله جامعة الشارقة - الإمارات العربية المتحدة

تصور مقترح لدور مدارس الدمج في تحقيق تكافؤ الفرص التعليمية للطلاب ذوي الاحتياجات الخاصة

محمد محمود الإترابي الأكاديمية المهنية للمعلمين - مصر

تجربة المملكة العربية السعودية في التربية الخاصة لذوي صعوبات التعلم

بيان حمدي الجيني مجلس العالم الإسلامي للإعاقة والتأهيل - الرياض - المملكة العربية السعودية

جودة حياة الأطفال ذوي الاحتياجات التربوية الخاصة

أمل نبيه أبو اليزيد كلية التربية - جامعة المنصورة - مصر

## MON-C10 ENVIRONMENTAL ACCESS FOR PERSONS WITH DISABILITIES

17:00-18:30 Chairs: Mostafa Sadek, Howida Eletrebi, Fares El Hadi

مشروع التنمية الشاملة للأشخاص ذوي الإعاقة المستفيدين من الإسكان التنموي في وزارة الإسكان بالملكة العربية السعودية .. نحو تنمية مستدامة  
محمد بن حمود الطريقي وزارة الإسكان - الرياض - المملكة العربية السعودية

تجربة إذاعة وسط الدلتا في نشر ثقافة الإتاحة البيئية للأشخاص ذوي الإعاقة في مصر تحت شعار من أجل حياة أفضل لأصحاب الهمم  
إبراهيم عبد الله سالم الإذاعة المصرية - مصر

بهجة التعلم مدخل لأنسنة البيئة الحياتية لذوي الاحتياجات الخاصة "تصور مستقبلي"  
سلامه صابر العطار كلية التربية - جامعة عين شمس - مصر

تصور مقترح لبرنامج إعداد معلم الإعاقة العقلية بجمهورية مصر العربية في ضوء معايير الجودة والاعتماد العالمية  
زينب محمود شقير، أحمد الحسيني هلال كلية التربية - جامعة طنطا - مصر

رعاية ذوي الاحتياجات الخاصة ضرورة مجتمعية  
محمد أحمد ناصف كلية التربية - جامعة الزقازيق - مصر

المشاركة المجتمعية وتمكين الطلاب ذوي الاحتياجات الخاصة في ضوء تجارب بعض الدول  
السيد خيرى داود كلية التربية بالدقهلية - جامعة الأزهر - مصر

## MON-C11 GREEN ECONOMY AND ENVIRONMENTAL MANAGEMENT

17:00-18:30 Chairs: Nory Masoud, Hesham Farouk, Dina Abdel Hadi

Go Green to Solve a Crisis

Ibrahim Hassan Faculty of Science, Alexandria University, Egypt

أثر حجم الشركة وحصول الشركة على شهادة الإدارة البيئية ١٤٠٠١ على الإفصاح البيئي: دليل من مصر  
فايقة جابر الفولي قسم المحاسبة - كلية التجارة - جامعة الإسكندرية - مصر

The Impact of Green Innovation on Sustainability Performance: The Moderating Role of Environmental Commitment

Yehia S. Elzek, Hebatallah A. Gaafar, Hamida Abdelsamie

Tourism Studies Department, Faculty of Tourism and Hotels, University of Sadat City, Egypt

MON 22. 18:30

C L O S I N G

## POSTERS

## POSTER, 1

**Chairs: Elsayed Salim, Ayman Bakry, Mohamed El Sayed, Abd Elnaby Kabeel, Sahar El-Haggar**

## Environmental Pollutions

Effect of Varying the Inlet Temperature and Equivalence Ratio on Combustion, Performance, and Emission Characteristics of HCCI Diesel Engine with Different Diesel/Biodiesel Dose

**A. Kabeel, E. ElShenawy, M. Elkelawy, H. Bastawissi, M. Elshanshoury**

*Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Egypt*

Experimental Study on the Performance and Emission Characteristics of Diesel Engine Fueled with WCO Biodiesel/Diesel Blends

**Medhat Elkelawy, E. El Shenawy, Magda El-Fakharany, Hagar Bastawissi, Mohamed Shafey**

*Department of Mechanical Power Engineering, Faculty of Engineering, Tanta University, Egypt*

Influence of Ternary Fuel Blends of Diesel/Biodiesel/Ethanol on the Performance and Emissions Characteristics of Diesel Engines

**Medhat Elkelawy, Abd Elnaby Kabeel, E. El Shenawy, Hagar Bastawissi, Ahmed Elbanna**

*Department of Mechanical Power Engineering, Faculty of Engineering, Tanta University, Egypt*

Bagasse Combustion for Molasses Processing Unit: A Case Study

**T.H. Ghanem, M.M. Badr, M.M. Geasa, A.H. Elhelally**

*Agricultural Engineering Department, Faculty of Agriculture, Tanta University, Egypt*

Textile Wastewater Treatment by Electrocoagulation Cell Powered by Solar Energy

**A.E. Kabeel<sup>1</sup>, M. Abd Elgaied<sup>1</sup>, M.H. Amr<sup>2</sup>, A.A. Bastawissi<sup>1</sup>**

<sup>1</sup>*Faculty of Engineering, Tanta University, Egypt*

<sup>2</sup>*Tanta Higher Institute of Engineering and Technology (THIET), Egypt*

## Natural Resources Sustainability

Moringa Leaf Extract Stimulates Growth and Yield of Cucumber (*Cucumis Sativus* L)

**Mohamed E. Ahmed, Abdelnaser A. Elzaawely**

*Faculty of Agriculture, Tanta University, Egypt*

Analysing and Mapping Soil Quality in El Fayoum Depression using Geostatistical Techniques

**Shokr, M.S.<sup>1</sup>, El Baroudy, A.A.<sup>1</sup>, Abdellatif, M.A.<sup>2</sup>, Attia, W.<sup>2</sup>**

<sup>1</sup>*Soil and Water Department, Faculty of Agriculture, Tanta University, Tanta, Egypt*

<sup>2</sup>*National Authority for remote sensing and space science (NARSS), Cairo, Egypt*

Assessment of Soil Degradation in Some Soils of West Alexandria, Egypt, by Using Geographic Information System (GIS) Techniques

**Sally, A. Yassin<sup>1</sup>, El Baroudy, A.A.<sup>2</sup>, Rafie, M.R.<sup>2</sup>, Abd El-Halim A.A.<sup>1</sup>**

<sup>1</sup>*Chemistry and Soil Physics Department, Desert Research Center, Cairo, Egypt*

<sup>2</sup>*Soil and Water Department, Faculty of Agriculture, Tanta University, Tanta, Egypt*

Economical Evaluation Study to Growing Substrates Composition used of Some Vegetable Crops

**Abd EL-Kader N.<sup>1</sup>, M.E. Ahmed<sup>2</sup>, T.H. Khalifa<sup>2</sup>, Esraa A.I. Saber<sup>1</sup>**

<sup>1</sup>Soil and Water Department, Faculty of Agriculture, Tanta University, Egypt

<sup>2</sup>Horticulture Department, Faculty of Agriculture, Tanta University, Egypt

Integrated Water Management of Mariout Lake

**Dalia Saad, Haytham Awad, Rawya Kansoh**

Faculty of Engineering, Alexandria University, Alexandria, Egypt

### Green Energy and Smart Cities

Study the Affecting Parameters on spreading green building projects in Egypt

**Moataz M. Abdelaziz**

Higher Institute of Engineering and Technology, New Damietta, Egypt

Improvisation of Solar Still Desalination Module using Aluminum-Tin with Polypropylene Printed Sheet Insulation

**B. Gurukarthik Babu, A. Kabeel, D. Prince Winston, P. Narayanasamy, V. KrishnaKumar, R. Arunkumar, Ravishankar Sathyamurthy**

Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, India.

Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Egypt

Department of Automobile Engineering, Hindustan Institute of Technology and Science, Chennai, India

Experimental Study of The Flat Plate Solar Water Collector with Two Types of Thermal Energy Storage System

**Assem H. Fleafi, Saleh M. Shalaby, Abd Elnaby E. Kabeel, Bahaa Edeen M. Moharram**

Faculty of Engineering, Tanta University, Egypt

Wind-Texture A New Theory in Architecture Design

**Khaled M. Dewidar, British University in Egypt, Cairo, Egypt**

Numerical Study on the performance of Dual Rotor wind Turbine

**Hazem Ali<sup>1</sup>, Ahmed Elbaz<sup>2</sup>, Nabil Abdelaziz<sup>1</sup>**

<sup>1</sup>Mechanical Department, Ain Shams University, Egypt

<sup>2</sup>Mechanical Department in British University in Egypt, Cairo, Egypt

COMSOL Simulation and Experimental Study using Different Cooling Techniques to Maximize PV Module Efficiency

**Ahmed Fawzy Eid<sup>1</sup>, Hong Seong-Gu<sup>2</sup>**

<sup>1</sup>Agricultural Engineering Research Institute, Alexandria, Egypt

<sup>2</sup>National University, Anseong Si, Korea

### Nanotechnologies and their Applications

Eco-Friendly and Optimal Synthesis of Silver Nanoparticles Using Green Algae: Catalytic and Antibacterial Activities

**Eman F. Aboelfetoh, Rania A. El-Shenody, Mohamed M. Ghabara**

Faculty of Science, Tanta University, Egypt

Raw Surface Water Treatment Via A Novel Dual Coagulation System

**Eman F. Aboelfetoh, Abdelmeguid. E. Aboubaraka, El-Zeiny M. Ebeid**

Chemistry Department, Faculty of Science, Tanta University, Egypt

Evacuated Tube Solar Collector Performance Using Multi-Walled Carbon Nanotubes and Water Nanofluid: Energy and Environmental Analysis

**Aya Hesham<sup>1</sup>, Ahmed A. Abdel-Rehim<sup>1,2</sup>, Mahmoud Eltaweel<sup>1,2</sup>**

<sup>1</sup>Mechanical Engineering Department, The British University in Egypt, Cairo, Egypt

<sup>2</sup>Shoubra Faculty of Engineering, Benha University, Cairo, Egypt

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Electrospun Bimetallic Cr/Zn Layered Double Hydroxide Nanofibers for Electrochemical Sensing Application

**Mona Elfiky, Nehal Salahuddin**

Department of Chemistry, Faculty of Science, Tanta University, Egypt

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#### Rational Use of Drugs and Pharmacoeconomics

Greening Liquid Chromatographic Methods by Using Dynamically Modified Stationary Phases

**Mokhtar Mabrouk, Israa I. Abdelfattah, Fotouh R. Mansour**

Faculty of Pharmacy, Tanta University, Egypt

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Prevalence of Carbapenemases Among Imipenem Resistant Acinetobacter Baumannii Isolates in Tanta, Egypt

**Fatma I. Sonbol, Tarek E. Elbanna, Noha A. Attia**

Faculty of Pharmacy, Tanta University, Egypt

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Effect of Fenofibrate Adjuvant Therapy on Endothelial Dysfunction in Egyptian Patients with Type 2 Diabetes Mellitus

**Sahar K. Hegazy<sup>1</sup>, Tamer A. Elbedewy<sup>2</sup>, Haidy M. Sami<sup>3</sup>**

<sup>1</sup>Clinical Pharmacy Department, Faculty of Pharmacy, Tanta University, Egypt

<sup>2</sup>Internal Medicine Department, Faculty of Medicine, Tanta University, Egypt

<sup>3</sup>Department of Pharmacy Practice, Faculty of Pharmacy, Delta University for Science and Technology, Egypt.

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E-Prostanoid Receptor Antagonist Combined with Celecoxib Downregulated 1- Integrin Expression in Mice Bearing Solid Ehrlich Carcinoma

**Nahla EL-Ashmawy<sup>1</sup>, Enas EL-Zamarany<sup>2</sup>, Eman Gouda<sup>1</sup>, Naglaa F. Khedr<sup>1</sup>, Hend Selim<sup>1</sup>**

<sup>1</sup>Biochemistry Department, Faculty of Pharmacy, Tanta University, Egypt

<sup>2</sup>Clinical Pathology Department, Faculty of Medicine, Tanta University, Egypt

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Silymarin Triggers Caspase-Dependent Apoptosis and Cell Cycle Arrest in Testosterone Induced Benign Prostatic Hyperplasia in Rats

**Nahla E. El-Ashmawy, Eman G. Khedr, Hoda A. El-Bahrawy, Nada N. Helmy**

Department of Biochemistry, Faculty of Pharmacy, Tanta University, Egypt

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Potential Drug-Drug Interactions of Cardiovascular Diseases in Egyptian Outpatients: Incidence, Types, Managements, Preventions

**Omar Abdel Magged, Khlood Abdelkawy, Khaled Abdelaty**

Faculty of Pharmacy, Kafrelsheikh University, Egypt

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Inhibitory and Apoptotic Effects of Metformin and D-Limonene in HepG2 Cancer Cells

**Elsayed I. Salim<sup>1</sup>, Mohamed S. Fathy<sup>1</sup>, Doha M. Beltagy<sup>2</sup>, Mona M. Alabasy<sup>1</sup>**

<sup>1</sup>Department of Zoology, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Department of Chemistry, Faculty of Science, Damanshour University, Egypt

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IL28B (rs8099917) Gene Polymorphism Should Be Considered as Predictor for Non-Response to Treatment of HCV (genotype 4) Infection by Interferon and Ribavirin in Egypt

**Mohammed A. Eid<sup>1</sup>, Omiamia A. Awadallah<sup>1</sup>, Niveen S. Saady<sup>2</sup>, Azza E. A. Youssef<sup>1</sup>**

<sup>1</sup>Department of Botany, Faculty of Science, Tanta University, Egypt

<sup>2</sup>Faculty of Medicine, Mansoura University, El-Mansoura, Egypt

## POSTER 2

**Chairs: Nory Masous, Abdel Razek Bassiuni, Om Ibrahim Ali, Yasser Bayomi, Hassan Rashid**

### Climate Changes and GIS Applications

Tracing the Recent Environmental Changes in Edku Lake, Northern Egypt via Microfossils

**Abdelfattah Zalat, Ali Soliman**

*Geology Department, Faculty of Science, Tanta University, Egypt*

Bias correction of Regional Climate Model Outputs for Climate Change Impact Assessment in Egypt

**Mahmoud B. Mohameden, Tamer A. Gado, I.M. Rashwan**

*Department of Irrigation and Hydraulics Engineering, Faculty of Engineering, Tanta University, Egypt*

Geoenvironmental Classification of Geo-Archaeological Sites

**Hani Mostafa, Faculty of Science, Menofia University, Egypt**

Bias Correction of Regional Climate Model Simulations of Rainfall in Egypt

**Tamer A. Gado, Rufayda M. El-Hagrsy, I.M. Rashwan**

*Faculty of Engineering, Tanta University, Egypt*

Quantitative Estimation of Different Evapotranspiration Methods under The Effect of Climate Change in Egypt

**Marwan A. ELareiny, Mohamed S. Rashie, Ahmed I. Alwan, Mahmoud O. saleh, Mahmoud B. Mohameden, Tamer A. Gado**

*Department of Irrigation and Hydraulics Engineering, Faculty of Engineering, Tanta University, Egypt.*

### Waste Management (3RS)

Reduce of Feed Losses Infeeder System for Laying Hen Houses

**Tarek Fouda, Asaad Derbala, Adel HELAL, Ahmed Morsy**

*Agriculture Engineering Department, Faculty of Agriculture, Tanta University, Egypt*

Reduce the Difference Between Ideal and Actual Environmental Measurements in Laying Hens Houses

**Ahmed Morsy, Agriculture Engineering Department, Faculty of Agriculture, Tanta University, Egypt**

Bagasse Combustion for Molasses Processing Unit: A Case Study

**T.H. Ghanem, M.M. Badr, M.M. Geasa, A.H. Elhelally**

*Faculty of Agricultural Engineering, Al-Azhar University, Cairo, Egypt*

Design of A Simple Upright Compost Turning Machine for Small Farmer

**Abdel-Mottaleb A., National Agricultural Research Center, Cairo, Egypt**

Chemical, Physical and Sensory Evaluation of Low-Fat Beef Burger with Carboxymethyl Cellulose from Rice Milling By-Products

**Moussa Salem**, *Faculty of Agriculture, Tanta University, Egypt*

Classifications of Different Crops using Satellite Imagery in West Tripoli Region

**Al-Ther Mady**, *Higher Institute of Agricultural Technology, Tripoli, Libya*

Mathematical Model to Estimate Ventilation Requirements in Laying Hens Houses

**Nour Kassab**, *Tanta university, Egypt*

Shaft Adapter Modification and Data Acquisition System for Tractor Power Take Off Estimating

**El-Gwadi, A.A.<sup>1</sup>, H.H. Mohamed<sup>2</sup>, W.M. Ibrahim<sup>1</sup>, S.G. Hemed<sup>1</sup>**

<sup>1</sup>*Agricultural Engineering Research Institute, Egypt*

<sup>2</sup>*Soil and Chemistry Department, Faculty of Agriculture, Alexandria University, Egypt*

The Role of Data Mining Tools in Preserving the Agricultural Environment

**Abdul Wahid M. Abu Karima, Sami G. Hmeida, Samira S. Qasim, Reham M. Al-Alimi**

*Agricultural Engineering Research Institute, Agricultural Research Center, Egypt*

Behavior of Some Egyptian Cotton Varieties Under Late Planting Date

**Shaker, S.A.<sup>1</sup>, E.H. El-Seidy<sup>2</sup>, Y.M. El-Mansy<sup>1</sup>, S.S.M. Badr<sup>1</sup>**

<sup>1</sup>*Cotton Research Institute, Agriculture Research Center, Egypt*

<sup>2</sup>*Agron Department, Faculty of Agriculture, Tanta University, EGYPT*

#### Environmental Impact on Oral Health

In Vitro Comparative Study of two Different Thermoplastic Resin Clasp Materials

**Dena E. Hamed, Nabeel M. El-Gendy, Usama M. Abdel Karim and Fadel E. Abd El Fattah**

*Faculty of Dentistry, Tanta university, Egypt*

The Effect of Recycling and Repeated Recycling With Er:Yag Laser on Shear Bond Strength and Surface Characteristics of Stainless Steel Orthodontic Brackets

**Safa B.M. Alawy, Eman M. El Shourbagy, Safaa A. Ghobashy**

*Orthodontic Department, Faculty of Dentistry, Tanta University, Egypt*

In Vivo Effect of Bioactive Glass with Fluoride on Enamel Surface Prior to Orthodontic Brackets Bonding

**Hazem Magdy**, *Faculty of Dentistry, Tanta University, Egypt*

Efficiency of Intraoperative Fluorescence Imaging in Treatment of Patients with Bisphosphonate Related Osteonecrosis of the Jaw

**Eslam Elhaliem Gharieb, Abdelfattah A. Sadakah, Mohammad A. Elshall, Elsayed M. Deraz**

*Faculty of Dentistry, Tanta University, Egypt*

Clinical and Radiographic Evaluation of 3D Titanium Miniplate in Fixation of Anterior Mandibular Fractures

**Ahmed A. Mosleh, Mohamed M. Shoushan, Mohamed M. Khedr, Ahmed S. Naguib**

*Oral and Maxillofacial Surgery Department, Faculty of Dentistry, Tanta University, Egypt*

Effect of Different Root Canal Irrigation solutions on Bond Strength of Bioceramic-Based Sealer



**Abd-Elmoneim A. Elkalashy, Hatem A. Alhadainy, Walaa M. Ghoneim**

*Endodontics Department, Faculty of Dentistry, Tanta University, Egypt*

Relation between Quality of Nursing Work Life and Staff Nurse Commitment in Critical Care Units

**Seham M. Aamer<sup>1</sup>, Karima A. Elsayed<sup>2</sup>, Salwa E. Mahmoud<sup>1</sup>**

<sup>1</sup>*Faculty of Nursing, Benha University, Egypt*

<sup>2</sup>*Faculty of Nursing, Tanta University, Egypt*

#### Audio-visual Pollution and Environmental Awareness

إدراك الشباب لمخاطر الشائعات على مواقع التواصل الاجتماعي وعلاقتها بتطبيق مهارات التربية الإعلامية  
الإخبارية

علياء رمضان كلية التربية النوعية - جامعة طنطا - مصر

دور الإنفوجرافيك في التوعية البيئية لدى طلاب الجامعات

إسلام محمود المغربي ، أسماء عبد المنعم المهر

كلية التربية النوعية - جامعة طنطا - مصر

دور الإعلام المصرى في تنمية السلوك المجتمعى تجاه قضايا التدهور البيئى ومواجهة تحدياته

غاده عبد التواب اليمانى كلية الآداب - جامعة طنطا - مصر

تأثير برنامج تعليمى مقترح بإستخدام أسلوب القصص الحركية على التلوث السمعي والبصري لمرحلة ما قبل المدرسة

صفاء احمد ابوسنه كلية التربية الرياضية - جامعة طنطا - مصر

إنتاج جداريات خزفية للبيئة المصرية بطريقة الماچوليكاً على البلاطات المصنعة

إيمان اشرف عبد الرسول ، حسان رشيد عبد العزيز ، أمانى احمد حبيب

كلية التربية النوعية - جامعة طنطا - مصر

#### Environment in Literature, Legislations and Sports

برنامج ترويجي لتنمية المسؤولية البيئية لأمهات الريف

زينب مسعود البليطي ، سهام إبراهيم سيد الفقي

قسم الادارة والترويج الرياضي

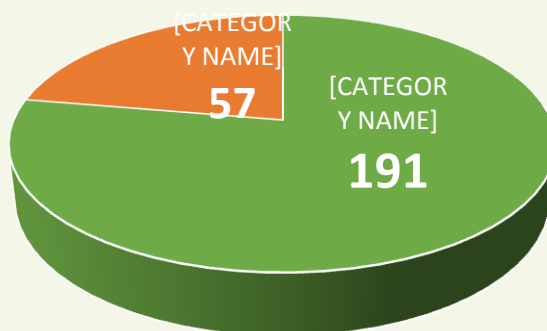
برنامج ترويجى للتخفيف من الإنعزالية للمكفوفين ٦:٩ سنوات

ولاء محمد الملاح قسم الترويج - كلية التربية الرياضية للبنات - جامعة الأسكندرية - مصر

## STATISTICS

### TOTAL ABSTRACTS 248

- **Oral** (31 Sessions, 191 Abstracts))
- **Posters 57** (Poster 1: 28 Abstracts, Poster 2: 29 Abstracts)



### TOTAL ABSTRACTS

TOPIC	Oral	Poster	Total
Environmental Pollutions	16	5	21
Natural Resources Sustainability	18	5	23
Nanotechnologies and Their Applications	17	4	21
Green Energy and Smart Cities	6	6	12
Climate Changes and GIS Applications	12	5	17
Waste Management (3RS)	20	10	29
Rational Use of Drugs and Pharmacoeconomics	6	8	14
Environmental Impact on Oral Health	10	7	18
Environment in Literature, Legislations and Sports	6	2	8
Environment and Health Risks	14	0	14
Environmental Access for Persons with Disabilities	18	0	18
Green Economy and Environmental Management	3	0	3
Education for Green Environment	15	0	15
Audio-Visual Pollution and Environmental Awareness	0	5	5
<b>TOTAL</b>	<b>191</b>	<b>57</b>	<b>248</b>

ORAL PRESENTATIONS

DAY	Time	Session	TOPIC	Abstract
SUN	12:30-16:15	A1-A2, B1-B2	Public Health and Environmental Hazards	30
		A3-A5	Environmental Pollutions	16
SUN	12:30-19:30:	A6-A7	Climate Changes and GIS Applications	12
		A8-A9	Environment and Health Risks	14
		B3-B5	Natural Resources Sustainability	18
		B6	Rational Use of Drugs and Pharmacoeconomics	6
		A10	Environment in Literature, Legislations and Sports	6
MON	12:00-18:30	B7-B9	Waste Management (3RS)	20
		A11	Green Energy and Smart Cities	6
		C1-C3	Nanotechnologies and Their Applications	17
		C4-C5	Environmental Impact on Oral Health	10
		C6-C7	Education for Green Environment	15
		C8-B10	Environmental Access for Persons with Disabilities	18
		C11	Green Economy and Environmental Management	3
<b>TOTAL</b>				<b>191</b>

POSTER PRESENTATIONS

DAY	TOPIC	Abstract
SUN-MON Forum's Website	Environmental Pollutions	5
	Natural Resources Sustainability	5
	Nanotechnologies and Their Applications	4
	Green Energy and Smart Cities	6
	Rational Use of Drugs and Pharmacoeconomics	8
MON Forum's Website	Climate Changes and GIS Applications	5
	Waste Management (3RS)	10
	Environmental Impact on Oral Health	7
	Audio-Visual Pollution and Environmental Awareness	5
	Environment in Literature, Legislations and Sports	2
<b>TOTAL</b>		<b>57</b>