



**Second International Conference of
Faculty of Science, Ain Shams University
Scientific Innovations and
Sustainable Development
SISD '18**

Organized by

**Postgraduate Studies and Research Sector
Faculty of Science
Ain Shams University**

**October 23 - 26, 2018
Hurghada, Red Sea**

**Second International Scientific Conference of
Faculty of Science - Ain Shams University
“Scientific Innovations and Sustainable Development”**

SISD ‘18

Under the Auspices of

Prof. Khaled A. Abdel-Ghaffar

Minister of Higher Education and Scientific Research

Dr. Yasmine Fouad

Minister of Environment

Major General Staff of War Ahmed Abdullah

Governor, Red Sea Governorate

Prof. Abdel Wahab M. Ezzat

President, Ain Shams University

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Prof. Ahmed Aly Ismail

Dean, Faculty of Science

Conference Deputy Chairman

Prof. Mohamed Ragaa Mohamed El-Sotohi

Vice Dean, Faculty of Science

General Coordinator

Prof. Magdy T. Khalil

Professor of Ecology, Faculty of Science

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Second International Conference
Faculty of Science - Ain Shams University
SISD18

Scientific Innovations and Sustainable Development
SISD '18

As part of the quest of the Faculty of Science-Ain Shams University to support scientific research in the Arab Republic of Egypt and its constant keenness to increase the association of scientific research personnel, Faculty of Science is honored to hold its second international scientific conference. The conference aims to shed some light on the role of scientific innovations as the key to achieve sustainable development through presenting the distinguished scientific articles of researchers from different disciplines, to face the challenges of the community and support the comprehensive and sustainable development.

Among the themes of the conference are:

1. Agro-innovations and Food Technologies.
2. Water Resources: Biodiversity, Conservation, Restoration and Management.
3. Fossil Fuels and Renewable Energies.
4. Climate Change (Biosystems Engineering and Environment Integrity).
5. Social Innovations for Rural Development.
6. Innovations at the Intersections of the Aquatic Sciences.
7. Nanoscience and Technology: Providing Revolutions in all Sciences.
8. Material Innovations at the Nexus of food, energy and water systems.

Mohamed R. Mohamed
Conference Deputy Chairman

Sponsors

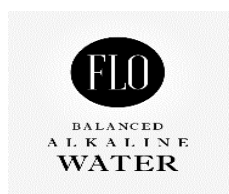


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جلوبال للحاسبات والتوريدات

Hi Technology

هاي تكنولوجي للتوريدات



Conference Schedule

Day 1 – Tuesday, October 23, 2018

Registration and Opening Ceremony	
05:00 pm – 06:00 pm	Registration
06:00 pm – 07:00 pm	Opening Ceremony
Plenary Session I	
Prof. Dr. Ahmed Ali Ismail – Prof. Dr. Mohamed Ragaa Mohamed	
07:00 pm – 07:30 pm	Egyptian Women in Science and Technology Prof. Dr. Nadia I. Zakhary Medical Biochemistry and Molecular Biology National Cancer Institute, Cairo University Former Minister of Sci. Res. Member of the National Council for Women Member of the Egyptian Academy of Sci. Res. and Technology Member of the National Council for Policy of Education and Sci. Res. Member of the Higher Council of Culture Member of Board of Trustees of the British University in Egypt Membre de Institute d' Egypte Member of Basel Convention
07:30 pm – 08:00 pm	Innovative Sciences: A Golden Bridge to Lead Profitable Technology Dr. Khaled E. A. Negm Security and Privacy Global Team, IBM Watson IBM Global Security Senior Executive

Day 2 – Wednesday, October 24, 2018

Plenary Session II	
Prof. Dr. Ahmed Ali Ismail – Prof. Dr. Mohamed Ragaa Mohamed	
09:00 am – 09:30 am	Solar Energy Availability Model and Use in Relationship to Ecological Human Imprint in Egypt: Economic Sustainability Impact and Assessment Prof. Dr. Safwat H. Shakir Hanna Texas Gulf Coast Environmental Data (TEXGED) Center, Roy G. Perry, College of Engineering Prairie View A&M University, Prairie View, Texas. USA
09:30 am – 10:00 am	Electromagnetic Radiation: Pollution and Health Effects Prof. Dr. Abdelsattar M. Sallam Physics Department, Faculty of Science, Ain Shams University

Event	
11:00 am – 01:00 pm	A workshop entitled “Prevention and early detection of breast cancer”

01:30 pm – 03:30 pm	Lunch
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Oral Session I (Hall A)	
Prof. Dr. Magdy T. Khalil – Prof. Dr. Safwat H. Shakir Hanna – Prof. Dr. Raouf William	
03:30 pm – 03:45 pm	Chitosan Grafted Membrane Sensor for Total Ammonia-Nitrogen using Low-cost Pen-writing Method Prof. Dr. Hossam E. M. Sayour – Animal Health Research Institute
03:45 pm – 04:00 pm	Synthesis and Characterization of Encapsulated Astaxanthin and Amino acids into Chitosan : Potential Nutraceutical Values Abeer S. Abdel Rahman – Animal Health Research Institute

04:00 pm – 04:15 pm	Biological monitoring of heavy metal contaminations using Egrets Karim M. Soliman –Faculty of Science, Ain Shams University
04:15 pm – 04:30 pm	Management Plan for Bardawil Lagoon, North Sinai, Egypt Wiame W. M. Emam – Faculty of Science, Ain Shams University
04:30 pm – 04:45 pm	Optimization and Physico-Chemical Characterization of Chitosan and Chitosan Nanoparticles Extracted from the Crayfish <i>Procambarus clarkia</i> Marwa M. El-Naggar – Faculty of Science, Ain Shams University
04:45 pm – 05:00 pm	Efficacy of Macroporous Microbial Biomat for Lead Removal from Fish Aquaculture Marwa Gamal – National Center for Radiation Research and Technology
05:00 pm – 05:15 pm	Stock assessment and management of rabbitfish <i>Siganus rivulatus</i> from the Southern Red Sea, Egypt Sahar F. Mehanna – National Institute of Oceanography and Fisheries
05:15 pm – 05:30 pm	Growth, mortality and relative yield per recruit of sharptooth catfish <i>Clarias gariepinus</i> (Clariidae) in Lake Manzala, Egypt Sahar F. Mehanna – National Institute of Oceanography and Fisheries
05:30 pm – 05:45 pm	Challenges of Fungal Diseases Diagnosis in Egypt Sherif Zaki – Faculty of Science, Ain Shams University
05:45 pm – 06:00 pm	Antibacterial potentiality of silver nanoparticles prepared from marine seaweeds for desalination plants Mohamed Negm – National Institute of Oceanography and Fisheries
06:00 pm – 06:15 pm	Piloquinone, potent cytotoxic compound from Egyptian <i>Streptomyces pilosus</i> SBG-NRC-216 Mohamed Ibrahim Abo-Alkasem – National Research Centre

06:15 pm – 06:30 pm	Bioremediation of Heavy Metal - Contaminated Waste Water by Acid Tolerant Sulfate Reducing Bacteria Naglaa M. Abdel Aal – Atomic Energy Authority
06:30 pm – 06:45 pm	Optimization of cultural conditions to maximize the efficiency of petroleum crude oil degrading bacteria Douaa Hussein Abdel-Aziz – National Research Center
06:45 pm – 07:00 pm	Characterization and utilization of Podoviridae phages for controlling pathogenic Escherichia coli serovar O168 from ducklings in Egypt Rania A. El-Daly – Animal health research institute
07:00 pm – 07:15 pm	Microalgal degradation of pyrene by different strains isolated from different saline ecosystems in Egypt: Pathway study of the most efficient pyrene degrader Tetraselmis sp. RM2 Ramadan M. Soliman – Egyptian Petroleum Research Institute
07:15 pm – 09:00 pm	Dinner

Oral Session II (Hall B)	
Prof. Dr. Ahmed Ali Ismail – Prof. Dr. Mohamed Sayed Salama Prof. Dr. Nasser Abou Ashour – Prof. Dr. Ismail Idress	
03:30 pm – 03:45 pm	Geophysics and its role in development Prof. Dr. Hasan Ahmed Khalil Salem – Egyptian Geophysical Society
03:45 pm – 04:00 pm	Shale Oil and Gas Prospectivity of the Northern Western Desert, Egypt Amgad Soliman – Italian Egyptian Oil Company, (IEOC), a subsidiary of Eni.
04:00 pm – 04:15 pm	Seismic Analysis of the North Korean nuclear explosion of 3 September 2017 Shaimaa Elkholy – National Research Institute of Astronomy and Geophysics
04:15 pm – 04:30 pm	Strong motion Network in EGYPT Shaimaa Ali Mamoun – National Research Institute of Astronomy and Geophysics

04:30 pm – 04:45 pm	Seismicity Relocations around the Sinai Peninsula, northeast of Egypt and driving First 3D body wave velocity model for North Eastern Egypt Ahmed Mohamed Faried – National Research Institute of Astronomy and Geophysics
04:45 pm – 05:00 pm	Stress-Strength Reliability with General Form Distributions Dina Mahmoud Gharieb – Faculty of Science, Ain Shams University
05:00 pm – 05:15 pm	Exact Reliability Formula for a Linear Consecutive K-Out-Of-N: F System and Relayed Consecutive Systems with a Change Point for Any $k \leq n$, With Stress-Strength Application Soad M. Bakry – Faculty of Science, Ain Shams University
05:15 pm – 05:30 pm	Inference for Stress-Strength Models Based on Bivariate General Distribution Dina Abdel-Raziq – Faculty of Science, Ain Shams University
05:30 pm – 05:45 pm	On Modules in Which Every Weak Large Closed Submodule is a Direct Summand Manar El-Badree – Faculty of Science, Ain Shams University
05:45 pm – 06:00 pm	Comparative leaf micromorphology of some Myrtaceae taxa in Egypt Nareman K. Hosney – Faculty of Science, Ain Shams University
06:00 pm – 06:15 pm	Vegetation structure and environmental gradients at Wadi Al-Afreet, North Western coast, Egypt Eman Gamal – Faculty of Science, Ain Shams University
06:15 pm – 06:30 pm	Physico-chemical Characterization and phytoplankton Studies of Ismailia Canal, Egypt Ahmed Yousef – Faculty of Science, Ain Shams University
06:30 pm – 06:45 pm	Bioremediation of Lead Toxicity in Al-Gabal Al-Asfar Farm using Aspergillus niger Rabab Elsaid – Faculty of Science, Ain Shams University

06:45 pm – 07:00 pm	Five Years of Saudi Arabia Wild Life “Biodiversity Shots of Arabia” Mohamed Gamal El Den Nasser – Faculty of Science, Ain Shams University
07:00 pm – 07:15 pm	Host Habitat or Position on Host Affecting the Evolution of Chewing Lice: Phylogenetic - Analysis of Ischnocera Chewing Lice Genera of Arabia Eslam Adly – Faculty of Science, Ain Shams University
07:00 pm – 09:00 pm	Dinner

Day 3 – Thursday, October 25, 2018

Plenary Session III	
Prof. Dr. Nadia I. Zakhary – Prof. Dr. Magdy T. Khalil	
09:00 am – 09:30 am	Overview and Experimental Designs of Some Chemical and Biochemical Sensors Prof. Dr. Saad S. M. Hassan Department of Chemistry, Faculty of Science, Ain Shams University.
09:30 am – 10:00 am	From Benchside to Bedside. Dr. Mahmoud El Shemerly Basilea Pharmaceutica International Ltd, Basel, Switzerland.

Oral Session III (Hall A)	
Prof. Dr. Shadia A. Fathy – Prof. Dr. Mohamed Ragaa Mohamed – Prof. Dr. Zakria Elkhayat	
10:00 am – 10:15 am	Isolation and Characterization of Novel Biotechnologically Important Proteins from the Microbial Community of the Red Sea Atlantis-II Brine Pool Prof. Dr. Mohamed A. Ghazy – Faculty of Science, Ain Shams University
10:15 am – 10:30 am	Evidence for the promising role of cell therapy in pulmonary fibrosis: Experimental study Alyaa S. Abd-Elhalim – Faculty of Science, Ain Shams University
10:30 am – 10:45 am	Assessment of Astragalus membranaceus Telomerase Activator-65 Effect on Aging Biomarkers in Liver of Male Rats Ameera El-Shinawy – Faculty of Science, Ain Shams University
10:45 am – 11:00 am	Mesenchymal Stem Cells Targeting PI3K/AKT Pathway in Leukemic Model Esraa S. A. Ahmed – National Center for Radiation Research and Technology

11:00 am – 11:15 am	The Possible Effect of Metal Nanoparticles Associated with Cancer Cells Vaccines Formulated by Gamma Rays to Initiate an Antitumor Immunomodulatory Response Rokaya Elsayed Maarouf Elsayed – National Center for Radiation Research and Technology
11:15 am – 11:30 am	Oxidative Stress and Inflammatory Response of Silver and Chitosan-Coated Silver Nanoparticles in Mice Samar Mohamed Saeed Abd El-Aziz – National Research Center
11:30 am – 11:45 am	Evaluation of Serum Copeptin and Heart-Fatty Acid Binding Protein as a Biomarkers for Diabetic Kidney Disease in Egyptian Patients Hala M. El-Sebaai – Faculty of Science, Ain Shams University
11:45 am – 12:00 pm	Enhanced Conductivity and Ion Exchange Capacity of Chitosan Membranes through Modification with Lithium Sara S. El-Degwe – Faculty of Science, Ain Shams University
12:00 pm – 12:15 pm	Utilization of Silver Nanoparticle as Osteogenic and Bone Mineralizing Biomaterials in Osteoporotic Rat Model Enas A Fouad Elhady– Faculty of Science, Ain Shams University
12:15 pm – 12:30 pm	Assessment of Relative Telomere length as a New Marker for Progression of Diabetic Nephropathy in Type 1 Egyptian Diabetic Patients Asmaa M Soliman – Faculty of Science, Ain Shams University
12:30 pm – 12:45 pm	Ziziphus Spina-Christi Leaves Methanolic Extract Alleviates Diethylnitrosamine-Induced Hepatocellular Carcinoma in Rats Manar S. Abdel Aziz – Egyptian Chemistry Administration
12:45 pm – 01:00 pm	Biochemical Study on the Therapeutic Effect of Prosopis juliflora Leaves Extract on Experimentally Induced Liver Fibrosis in Rats Salah M Hassan – Faculty of Pharmacy, Ain Shams University

01:00 pm – 01:15 pm	Biochemical Study on the Effect of a Novel Gallium Complex and its Derivatives on Metallo-Collagenase Activity In Vitro Ahmed M. Mohamed – Faculty of Science, Ain Shams University
01:15 pm – 01:30 pm	Bioactivity of Cold Polysaccharides Extract of Enteromorpha intestinalis against Hypercholesterolemic Diabetic Rats Magda M. Moustafa – National Research Centre
01:30 pm – 04:00 pm	Lunch

Oral Session IV (Hall B)	
Prof. Dr. Saad S. M. Hassan – Prof. Dr. Ayman Helmy – Prof. Dr. Hossam E. M. Sayour	
10:00 am – 10:15 am	Preparation and Evaluation of Imidazoline-Based Emulsifiers for Oil-Based Drilling Fluids Mahmoud M. Fayad – Egyptian Petroleum Research Institute
10:15 am – 10:30 am	Mobile Phone Sensing and Catalytic Spectrophotometric Determination of Hexavalent Chromium using Improved Dianisidene-Hydrogen Peroxide Reaction Ethar M. Ismail – Faculty of Science, Ain Shams University
10:30 am – 10:45 am	Co-Production of Hydrogen and Gns/Mwcnts Hybrid Materials via Methane Decomposition over Fe-Mgo Catalysts with Selective Morphology and Structure Omnia M. El-Ahwany – Egyptian Petroleum Research Institute
10:45 am – 11:00 am	Successive Leaching of Uranium and Rare Earth Elements from El Sela Mineralization Ahmed K. Sakr – Nuclear Materials Authority
11:00 am – 11:15 am	Adsorption Behavior and Practical Separation of Some Radionuclides using Cellulose/HO7Sb3 Sara. S. Mahrous – Atomic Energy Authority
11:15 am – 11:30 am	Preparation and Characterization of Novel Nanoparticles for Reduction of P-Nitro Phenol Mohammad M. Gad – Faculty of Science, Ain Shams University

11:30 am – 11:45 am	Synthesis of Mn₃O₄ nanoparticles as a new sorbent for preconcentration of Gadolinium prior to determination by inductively coupled plasma optical emission spectrometry Moubarak A. Sayed – Atomic Energy Authority
11:45 am – 12:00 pm	Synthesis and characterization of some chemically modified clays for Iron(III) removal from oil field produced water Amr A. Hassan – Faculty of Science, Ain Shams University
12:00 pm – 12:15 pm	Photocatalytic degradation of methylene blue dye (M.B) on the surface of Zinc Oxide nanoparticles doped RGO Elhussein M. Hashem – Faculty of Science, Ain Shams University
12:15 pm – 12:30 pm	Selective adsorption of Fe (III) using Calcium alginate-Polyacrylamide/Titanium dioxide nanocomposites prepared by gamma irradiation Mai M. Mohamed – Atomic Energy Authority
12:30 pm – 12:45 pm	Synthesis and Characterization of Some Chemically Modified Natural Compounds to be used as Flocculants in Industrial Water Treatment in Petroleum Companies Haytham M. Badr – Egyptian Project Operation & Maintenance For Hydrocarbon Industries
12:45 pm – 01:00 pm	Potential application of reduced graphene oxide-metal composites for waste water purification Heba A. El-Sabban – Egyptian Petroleum Research Institute
01:00 pm – 01:15 pm	Novel cationic surfactants derived from Cinnamic acid: Synthesis, Surface activity and Corrosion inhibition efficiency in Oil Field Eman A.Ghiatya – Egyptian Petroleum Research Institute
01:15 pm – 01:30 pm	Highly selective and sensitive method for the assessment of glucose in different serum samples of diabetics patients by Eu-Thenoyltrifluoroacetate optical sensor doped in sol gel matrix Farid I. Nassar – Faculty of Science, Ain Shams University

01:30 pm – 04:00 pm	Lunch
Oral Session V (Hall A)	
Prof. Dr. Nadia I. Zakhary – Prof. Dr. Amina Medhat – Prof. Dr. Tarek Ali	
04:00 pm – 04:15 pm	New quinazoline-sulphonylurea conjugates: design, synthesis and antidiabetic activity Dr. Al-Shaimaa M Taha – Faculty of Science, Ain Shams University
04:15 pm – 04:30 pm	Telomerase as a Possible Candidate in Targeting Therapy of Different Breast Cancer Cell Lines Salma A. Mahmoud – National Cancer Institute
04:30 pm – 04:45 pm	Improving of Doxorubicin Efficacy via Chitosan Carrier Vehicle in Rats with Hepatocellular Carcinoma Asmaa Nady – Fayoum Drinking Water and Sanitation Company
04:45 pm – 05:00 pm	Infusion of bone marrow mesenchymal stem cells alleviates insulin resistance and initiates pancreatic regeneration in experimental type 2 diabetic-rats Doaa M Youssef – Faculty of Science, Ain Shams University
05:00 pm – 05:15 pm	Evaluation of HIWI-RNA as Potential Diagnostic Biomarker in Hepatocellular Carcinoma (HCC) Gehan Hammad – October University for Modern sciences and Arts
05:15 pm – 05:30 pm	The relation between Fok 1 Polymorphism and breast cancer in Egyptian women Nariman Ahmed – Faculty of Dentistry, MSA University
05:30 pm – 05:45 pm	Anti-Angiogenic Efficacy of Chitosan - Gallium Nanoparticles on Mice bearing Ehrlich Carcinoma Riham M Mohammad – Faculty of Science, Ain Shams University

05:45 pm – 06:00 pm	Association of Interferon-γ Inducible Protein-10 (IP-10) levels and Interlukin28-b polymorphism as predictive markers for HCV genotype 4 response to treatment Eman Anter Abd El-maksoud – Faculty of Science, Ain Shams University
06:00 pm – 06:15 pm	Lethal Effect and Antioxidant activity of EGCG, Simvastatin and Gamma radiation on tumor cells in vitro and in vivo Ibrahim Yousef Abdel-Rahman – Atomic Energy Authority
06:15 pm – 06:30 pm	Effect of Organogermanium Complexes on Hepatocellular Carcinoma Cell-Line Iman Taha – National Cancer Institute
06:30 pm – 06:45 pm	Intermittent Fasting During Ramadan Ameliorates Antioxidant Gene Expressions in Adults with Obesity Mohamed Ibrahim Madkour – University of Sharjah
06:45 pm – 07:00 pm	Treatment of stable vitiligo using cultured and non-cultured autologous melanocytes from hair follicle outer root sheath (ORS) cell suspension Heba Abdel-Samea – Faculty of Science, Ain Shams University
07:00 pm – 08:00 pm	Closing Ceremony

Oral Session VI (Hall B)	
Prof. Dr. Abdelsattar M. Sallam – Prof. Dr. Ayman Helmy – Prof. Dr. Hossam E. M. Sayour	
04:00 pm – 04:15 pm	Drug delivery of copolymers prepared by gamma-radiation copolymerization of acrylic acid onto plasticized starch/ montmorillonite clay blends Doaa M. Ibrahim – Atomic Energy Authority
04:15 pm – 04:30 pm	A novel eco-friendly sunflower oil based non isocyanate polyurethane as a flame retardant coat Mostafa E. Farid – Egyptian Petroleum Research Institute

04:30 pm – 04:45 pm	Improving the Recovery of Residual Oil by Chemical Flooding Ahmed Abdel-Rahman Zahran – Egyptian Petroleum Research Institute
04:45 pm – 05:00 pm	Controlled synthesis of hydrophobic silica nanospheres Reham Harby Mohamed – Egyptian Petroleum Research Institute
05:00 pm – 05:15 pm	Studies on the rheological and tribological properties of acylated derivatives of castor oil, soybean oil and their application as bio-lubricants Hamdy S. Abdel-Hameed – Egyptian Petroleum Research Institute
05:15 pm – 05:30 pm	Synthesis of Some Polyol Esters Drived from Dibased Acids and Their Evaluation as Synthetic Lubricating Base Oils Mohamed E. Haseeb – Egyptian Petroleum Research Institute
05:30 pm – 05:45 pm	Removal of Copper and lead Ions from aqueous Solution by Adsorption on fly ash Carbon: Equilibrium, Kinetic and Thermodynamic studies Ehab Mohamed Abdel-Rahman – Faculty of Science, Alexandria University
05:45 pm – 06:00 pm	Preparation, Characterization of Metallic Iron and Bimetallic Iron/Copper Nanoparticles and their Application for the Removal of Trihalomethanes from Potable Water Amr Ibrahim Mohamed – Cairo Drinking Water Company
06:00 pm – 06:15 pm	Influence of Gamma Irradiation on Thermo-Mechanical Properties of Nitrile Rubber and its Blend with Devulcanized Ground Tire Powder Hend G. Abu Ganima – National Center for Radiation Research and Technology
06:15 pm – 06:30 pm	Tailoring chitosan sensor for planar optical waveguide Eman H. Ahmed – National Research Center
07:00 pm – 08:00 pm	Closing Ceremony

Day 4 – Friday, October 26, 2018

Open Day

Note: Some social activities will be organized during the conference and will be announced at time.

Poster Session
Day 2 and Day 3

Poster Session
99mtc-Labelled Gold Nanoparticles Capped with Gallic Acid as A Potential Candidate for Tumor Imaging. Basma Mohamed Said Essa Egyptian Atomic Energy Authority
Assessment of Bystander Effect of Low Dose Ionizing Radiation in Rats. Heba Fathy Abbass Elkomey MSc Student, Biochemistry Department, Faculty of Science, Ain Shams University
Silica Sulfuric Acid / Ethylene Glycol: An Efficient Eco-Friendly Catalyst for One-Pot Synthesis of New Benzo[4,5]imidazo[1,2-a]pyrimidine Derivatives. Nagwa Mourad Abd El Azeem Helal National Research Center
Isolation and Characterization of Antimicrobial and Antioxidant Compounds from Actinomycetes. Omnia Mohamed Abd Allah MSc Student, Microbiology Department, Faculty of Science, Ain Shams University
Modified Solid Phase Peptide Synthesis of Polymyxin (E1) Antibiotic Analogues Using Microwave Assisted Irradiation. Asmaa Mohamed Hamza Hussein National Research Center
Combined Effects of Variants in the ABCA7, Clusterin and MS4A6A genes on Alzheimer Disease risk in the Elderly. Hanem gamel Abdelrahman MSc Student, Biochemistry Department, Faculty of Science, Ain Shams University
Biosynthesis of Silver Nanoparticles by Aspergillus oryzae and their Antibacterial and Antitumor Effect. Dina Mohammed Sherif Moheb El-Kahky PhD Student, Microbiology Department, Faculty of Science, Ain Shams University
Mesenchymal Stem Cells Co-Cultured With Osteoinductive Nanoparticles Mitigate Primary Osteoporosis in A Rat Model. Nadia Samy Mahmoud Ibrahim National Research Center

Chemical Hydrogen Storage using Sonophoto Catalytic Water Splitting using Fe@Al/SBA-15 Catalysts. Heba Mohamed Mohamed Salem Egyptian Petroleum Research Institute
Influence of Inflammatory Cytokine Genetic Variants on Susceptibility to Diabetic Nephropathy Disease in Type 2 Diabetes Mellitus Patients. Ashraf Elsaid Hafez Elhelaly Postgraduate Student, Biochemistry Department, Faculty of Science, Ain Shams University
Applying Topology Expansion to Medical Information. Howayda Saber Osman Mosa Mathematics Department, Faculty of Science, Ain Shams University
Spectrofluorimetric Methods for Determination of Triamterene. Ghada Ismail Ahmed Khraish PhD Student, Chemistry Department, Faculty of Science, Ain Shams University
Antioxidant Activity Index of Sponge and Soft Corals - Associated Fungi of the Red Sea, Egypt. Zeinab Abdel-Khaleq Ali National Research Center
Effect of Morpholine Derivatives as Antioxidants for Local Base Stock. Hoda Abdelazeem Mohammed Egyptian Petroleum Research Institute
Anticorrosion Effect of Nickel/Reduced Graphene Oxide-Titanium Dioxide Coating on Mild Steel in 0.06M Citric Acid for Agricultural Applications. Khaled Elsayed Mustafa Elsayed Agriculture Research Center
Grafted Graphene with Hydroxyapatite Nanocomposite for Effective Cadmium Removal. Mohamed Ali Hassan Ali Agriculture Research Center
Effect of Magnetite Loading Ratio in the Magnetic Graphene Nanocomposite for Removal of Methylene Blue from Wastewater. Mohamed Abd El-Mawgoud Farghali Mustafa Agriculture Research Center
The Molecular Effect of Curcumin Subsidized by Radiation on HepG2 Cell Lines. Azza El-Sayed Mohamed El-Sayed Kaed Egyptian Atomic Energy Authority.

Synthesis and Controllable Characterization of Zeolite NaP fabricated via Hydrothermal Process.

Reham Mohamed Abdelhamed

Central Metallurgical Research and Development Institute.

Novel Synthetic Approach of 2-Amino-4-Aryl-6-Substituted Pyridine-3, 5-Dicarbonitrile Derivatives and Corrosion Inhibitors Evaluation.

Ahmed Ahmed Mohamed Mostafa

Chemistry Department, Faculty of Science, Ain Shams University.

Phthalocyanines as Hole Transporting Materials for Perovskite Solar Cells.

Basma Salah Mohamed Ghazal

National Research Center.

Chemical Performance of Cement Matrix Immobilizing Radioactive Lemna Gibba Accumulated from Phytoremediation Treatment Process.

Kholod Hamdy Kamal

National Research Center

Fabrication and Characterization of Polyaniline / TiO₂ Nanocomposite as a Super Hydrophobic Coat via Electrochemical Polymerization Technique.

Mona Hasan Gomaa Ebrahim

Central Metallurgical Research and Development Institute.