

The First International Conference of Natural and Applied Sciences

Journal	Editorial
Board		
The Conference	
Committees		
Contents	

First symposium: Biological Sciences and Geology :

Birds of Gaza Strip and their threats Prof. Mousa M. Al – Safadi	1
- Observations on the breeding biology of the Swallow Hirundo rustica transitiva in Gaza Strip, Palestine Prof. Mousa M. Al – Safadi	13
- Histological,Histochemical And Ultrastructural Studies On The Kidney Of Rats After Administration Of Monosodium Glutamate Dr. Salam Z. AL-Agha	20
- Hematological And Biochemical Studies For Gasoline Toxicity Among Gasoline Workers In Gaza Strip Prof. Ismail I. Abdel Aziz	41
Dr. Salam Zakaria Al Agha	
Dr. Ossama ahmed shehwan	
- Antimicrobial Resistance of Acinetobacter spp Isolated from Pus Specimens from AL-Shifa Hospital, Gaza, Palestine Dr. Abdelraouf A. Elmanama	59
- A Quantitative Analysis Of Ionising Radiation Exposure To The Hands, Thyroid And Whole Body Of Orthopaedic Registrars At King Edward Viii Hospital During Fluoroscopic Internal Fixation Of The Lower Limbs Dr. Khaled Abu Shab	69
Dr. Loogane Moodley	
Dr. Mahesh. Rana	
Dr. Nalene. Naidoo	

The First International Conference of Natural and Applied Sciences

Occurrence of Rotavirus in Infants and Young Children with Acute Gastroenteritis in Gaza, Palestine	90
- Mr. Farid H. Abu Elamreen	
- Dr. Abdala S. Aabed	
- Prof. Fadel A. Sharif	
Contribution of Hospital Wastewater to the Spread of Antibiotic Resistance in Comparison to Non-Health Institution	108
- Dr. Abdelraouf A. Elmanama	
- Dr. Abboud Y. ElKichaoui	
- Miss. Mai Mohsin	
Corrosion in structures	122
- Mr. Oda M. El-Agha	
Second symposium: Theoretical and Applied Chemistry	
Effect of Ibuprofen on the Pharmacokinetics of Paracetamol	147
- Dr. Mahmoud Mohamed Issa	
- Dr. R'afat Mahmoud Nejem	
- Dr. Naser Said El-Abadla	
Preparation Of Immobilized-Polysiloxane Salicylaldehyde	153
Propylimine And Its Appli	
- Dr. Nizam M. El-Ashgar	
- Dr. Salman M. Saadeh	
The Influence of Antismoking Additives on the Harm Emission with Exhaust Gases of Diesel Engine	162
- Dr. Raed Al-Hasanat	
Third symposium: Theoretical and Practical Physics	
Nonlinear TE Surface Waves in Dielectric material sandwiched between LHM and Nonlinear Nonmagnetic LHM Structure	172
- Dr. Ass'd I. Ass'ad	
A Novel Generalized Scattering Through Heterostructure With A Time-Periodic Potential	181
- Dr. Zeyad I. Al-Sahhar	
- Prof. Mohammed M. Shabat	
Electron Transport in a Quantum Wire: Effect of a High-Frequency Electromagnetic Field	205
- Dr. Hesham M. Fayad	
- Prof. Mohammed M. Shabat	

The First International Conference of Natural and Applied Sciences

-	An Empirical model for Generating the IV Characteristics for a Photovoltaic System	214
-	Dr. Ahmed El Tayyan	
-	Tuning the lasing frequency and reducing the laser Linewidth of GaAs Semiconductor Laser Using External Oscillating Driving Field	222
-	Dr. Hassan S. Ashour	
-	The ground state energy of an exterior surface polaron under the effect of an external magnetic field	238
-	Dr. Bassam Saqqa	
-	A Structural Study of Cu-Zn Ferrites by Infrared Spectra	247
-	Dr. Hussein A. Dawoud	
-	Mr. Samy K. Shaat	
-	Magnetostatic surface waves on left-handed materials (LHM)	263
-	Dr. Shawki A. Mansour	
-	Prof. Mohammed M. Shabat	
-	Dr. Majdi S. Hamada	
-	Radiation Measurements in Soil of Nusirat in the middle of Gaza-Strip Using Nuclear Track Detector CR-39 and Electra Plus	273
-	Dr. Maher O.EI-Ghossain	
-	Mr. Raed M. Abu Saleh	
-	Calculations of the neutrino nucleon cross sections in nuclear matter	281
-	Dr. Amin. A. Leghrouz	
-	Dr. Mohammed M. Abu-Samreh	
-	Mr. A. M. Saleh	
-	The Electrical Properties of Natural Soil in the West Bank	295
-	Dr. Mohammed M. Abu-Samreh	
-	A. M. Saleh	
-	S-Shaped Dipole And Swastika Antennas	317
-	Mr. Mustafa Abu Nasr	
-	Prof. Dr. Hassan Elkamchouchi	
-	Nonlinear TM Surface Waves in super lattices (LANS)	345
-	Dr. Hana M. Mousa	
-	Prof. Mohammad M. Shabat	

The First International Conference of Natural and Applied Sciences

Reexamination of scaling in the five-dimensional Ising model	358
Mr. Muneer A. Sumour	
- Prof. Dietrich Stauffer	
Prof. Mohammad M. Shabat	
Dr. Ali H. El-Astal	
Hamilton-Jacobi Quantization Of Continuous Systems With Higher-Order Lagrangian Density	372
- Miss. Ola M. Shihada	
Prof. Sami I. Muslih	
Dr. Naser I. Farahat	
Fourth symposium : Theoretical and Applied Mathematics	
On The Spacings of Exponenetial and Uniform order Statistics	384
- PROF. MOHAMED I. RIFFI	
Preopen and semi-open in T_0 -Alexandroff space	396
- Prof. Mohammad S. Elattrash	
Mrs. Sahar F. Alsamak	
Ciphering Using residue of metasymplectic space $F_{4,1}(q)$	415
- Dr. Osama A. Al-Absi	
Prof. Mohammed El-Atrash	
On non_archimedean $\Lambda(\alpha)$ – Gelfand-Philips Spaces	426
- Dr. Zeyad R. Safi	
Shadow Spaces of Alexandr off Spaces	436
- DR. HISHAM B. MAHDI	
Band reject filter of a periodic dielectric film bounded by a nonlinear cladding	445
- Mr. Rafek N. El-Saifi	
Dr. Hala. J. El-Khozondar	
Prof. Mohammed M. Shabat	
Design of a Practical Substitution Permutation Network Cryptosystem	462
- Khulood H. Eltartor	
Ibtehaj B. M. Algharbawi	
Raed M. I. Murad	
An Educational Velocity Controlled Robot Vehicle	476
- Mr. Ezzaldeen Edwan	