

SCIENTIFIC PROGRAMME

24 October 2014-Friday

15.00-19.30	REGISTRATION-CHECK IN
19.30	DINNER

25 October 2014-Saturday

09.00-11.00	REGISTRATION-CHECK IN						
11.00-11.15	Room 1: Opening Ceremony						
11.15-12.15	Room 1: Chair: Prof.Dr. Iskender AKKURT						
	Invited Speaker 1: Prof.Dr. Saleh SULTANSOY- TOBB University-TURKEY, “Accelerator Technology for the Mankind” Invited Speaker 2: Prof.Dr. Gerhard-Wilhelm Weber- METU-TURKEY, “Continuous-Discrete Optimal Control of Stochastic Hybrid Systems withJumps Theory, Methods and Applications in Finance, Economics and Science”						
12.15-14.00	LUNCH(Poster Session)						
	Room 1 (Stream 1)	Room 2 (Stream 2)	Room 3 (Stream 3)	Room 4 (Stream 5-Comp.)	Room5 (Stream 5-Env.)	Room6 (Stream 6)	Room7 (Stream 5-Elec.)
	Sessionchair: Dr. Mehtap Gunay	Session chair: Dr. Barış Kırlar	Session chair: Dr. Shahril Irwan Sulaiman	Session chair: Dr. Salim Saleh	Session chair: Dr. Michal Pazdanowski	Session chair: Dr. Tomasz Piotrowski	Session chair: Dr. Qusai Abuein
Session 1 14.00-15.45	Abstract # 12-71-151-258-285	Abstract # 79-80-113-179-215-463	Abstract # 21-61-239-324-349-385	Abstract # 5-28-116-125-158-427	Abstract # 4-246-270-313-424	Abstract # 16-86-87-153-160-207	Abstract # 15-23-37-90-276-281-302
15.45-16.00	COFFE BREAK(Poster Session)						
	Session chair: Dr. Mohammad Alnabhan	Session chair: Dr. Irinel Dragan	Session chair: Dr. Sarbast Rasheed	Session chair: Dr. Ali Habibi	Session chair: Dr. Guezzen Brahim	Session chair: Prof.Dr. Ahmed Gueddim	Session chair: Dr. Mouloud Challal
Session 2 16.00-17.30	Abstract # 11-95-283-284-406-515	Abstract # 39-50-89-111-114-282-338	Abstract # 60-124-144-145-199-363	Abstract # 63-102-123-233-334	Abstract # 66-141-267-288-289-320	Abstract # 18-19-98-186-198	Abstract # 108-253-286-399-400-451
17.30-19.00	Poster Session						
19.30	DINNER						
	POSTER #						
	Stream1: 35-57-77-96-112-181-184-188-210-213-222-225-231-232-250-256-261-275-292-312-315-330-337-373-374-380-381-382-383-389-421-437-454-456-457-458-460-464-467-474-477-492-493-494-495-496-497-498-507-509-511-524-552-557-558						

26 October 2014-Sunday

	Room 1:						
09.00-10.00	Chair: Prof.Dr. Gerhard-Wilhelm Weber- METU-TURKEY						
	Invited Speaker 3: Prof.Dr. Witold Dobrowolski - Polish Academy of Sciences, Warsaw, POLAND, "Chalcopyrite diluted magnetic semiconductors" Invited Speaker 4: Prof.Dr. Arif Hepbasli, Energy Systems Engineering, Faculty of Engineering, Yasar University, Izmir, Turkey, "Energetic directions of renewable energy systems"						
10.00-10.15	COFFE BREAK (Poster Session)						
	Room 1 (Stream 1)	Room 2 (Stream 2)	Room 3 (Stream 3)	Room 4 (Stream 5- Comp.)	Room5 (Stream 5-Chem)	Room6 (Stream 6)	Room7 (Stream 5-Elec.)
	Session chair: Dr. Majid Zarezadeh	Session chair: Dr. Mustafa Kemal Tural	Session chair: Dr. Abdulsalam Alshboul	Session chair: Dr. Abdelmadjid Recioui	Session chair: Dr. Nabil Mohamed Nagy	Session chair: DR OZDOGAN KARACALI	Session chair: Prof. Dr. Okan Ozgonenel
Session 6 10.15-11.45	Abstract # 72-177-333-342-388-392	Abstract # 41-42-43-59-352-422	Abstract # 219-224-260-271-367-370	Abstract # 135-147-194-372-471-483	Abstract # 176-211-212-218-280	Abstract # 47-321-326-371-397-435-469	Abstract # 165-183-348-356-513-544-545
11.45-13.00	LUNCH(Poster Session)						
13.00-19.00	SOCIAL PROGRAM -TOURS(Poster Session)						
19.30	DINNER						
	POSTERS #						
	Stream 2: 38-64-149-265-336-344-387-555 Stream 3: 34-65-88-94-230-357-360-394-419-466-476 Stream5: 51-81-85-93-105-106-115-134-136-156-182-192-193-204-221-228-262-306-319-361-375-378-401-407-414-425-428-431-468-484-485-486-499-516-523-525-526-527-528-529-530-532-534-535-536-537-538-541-542-546-549-550-551-553-554						

27 October 2014-Monday

	Room 1: Chair: Prof.Dr. Saleh SULTANSOY - TOBB University-TURKEY						
09.00-10.00	Invited Speaker 5: Prof.Dr. Mitra DJAMALet al. Institut Teknologi Bandung, Department of Physics, Jl. Ganesa 10 Bandung-INDONESIA, "Development of Giant Magnetoresistance Material based on Cobalt Ferrite" Invited Speaker 6: Dr. R S Beniwal-CSIR-National Institute of Science Communication and Information Resources, New Delhi 110 012, INDIA, "Perspectives of Physics in Materials Science Research"						
10.00-10.15	COFFE BREAK (Poster Session)						
	Room 1 (Stream 1)	Room 2 (Stream 2)	Room 3 (Stream 3)	Room 4 (Stream 5-Civil)	Room5 (Stream 5-Chem)	Room6 (Stream 6)	Room7 (Stream 7)
	Session chair: Dr. Filiz Ertuğral	Session chair: Dr. Azhar b. Ahmad	Session chair: Dr. Zuhail Er	Session chair: Dr Abdullatif Tchanchane	Session chair: Dr. Ahmadreza Eskandari	Session chair: Dr. Tomasz Piotrowski	Session chair: Prof. Dr. Mohammad Nurul Islam
Session 6 10.15-11.45	Abstract # 46-54-216-274-335-339-491	Abstract # 67-120-161-164-190-191-287	Abstract # 121-140-208-327-328-329	Abstract # 49-55-56-163-169-172-465	Abstract # 14-238-311	Abstract # 53-69-122-148-166-173-436	Abstract # 10-252-257-263-309-314
11.45-13.00	LUNCH(Poster Session)						
13.00-19.00	SOCIAL PROGRAM - TOURS(Poster Session)						
19.30	DINNER						
POSTERS #							
Stream6: 8-22-27-31-36-40-45-48-58-62-73-74-75-76-83-84-91-97-103-104-109-117-126-127-129-130-142-146-157-162-167-180-201-202-203-226-244-249-278-279-293-294-307-325-331-332-340-341-347-354-358-359-362-393-395-396-402-408-415-416-417-418-461-462-478-487-503-504-520-547-548							

28 October 2014-Tuesday

	Room 1: Chair: Prof.Dr. Mitra DJAMAL, Institut Teknologi Bandung, Department of Physics, Jl. Ganesa 10 Bandung-INDONESIA						
09.00-10.00	<p>Invited Speaker 7: Prof.Dr. E. SIDDIK İÇLİ, Solar Energy Institute, Ege University, İzmir 35100, Turkey, “ORGANIC PHOTOELECTRONIC TECHNOLOGIES”</p> <p>Invited Speaker 8: Prof.Dr. Ali CHEKNANE, University of Amar Telidji-Laghouat, Algeria, “Photovoltaic organic Cells: Limitations and Perspectives” Onur Jane, TUBITAK –TURKEY “TÜBİTAK ARDEB Ulusal Destek Programları Tanıtım Sunumu”</p>						
10.00-10.15	COFFE BREAK(Poster Session)						
	Room 1 (Stream 5-Mech)	Room 2 (Stream 2)	Room 3 (Stream 5-Civil)	Room 4 (Stream 4)	Room5 (Stream 5-Mech)	Room6 (Stream 6)	Room7 (Stream 7)
	Session chair: Dr. Arunabha Chanda	Session chair: Dr. Shadi Aljawarneh	Session chair: Dr. Zeinab Mohamed Hendawy	Session chair: Dr. Alaaddin Vural	Session chair: Prof Prasanta Sahoo	Session chair: Dr. Amer Al Abdel Hamid	Session chair: Prof. Dr. Mohammad Nurul Islam
Session 6 10.15-11.45	Abstract # 17-223-254-323-398-403-405	Abstract # 205-268-295-310-411	Abstract # 133-175-178-235-248-251-269	Abstract # 20-206-243-245-376-412	Abstract # 52-247-318-384-390-391	Abstract # 26-174-187-197-234-439	Abstract # 152-264-291-303-346-430
11.45-13.00	LUNCH(Poster Session)						
13.00-19.00	SOCIAL PROGRAM -TOURS(Poster Session)						
19.30	GALA DINNER						
POSTERS#							
Stream 4: 6-128-132-322-369-379-459-506-508-517-518-519-539							
Stream 7: 33-44-137-138-139-168-189-266-290-297-308-316-343-404-413-420-429-432-433-434-440-445-447-449-450-505-522-531-533-540							

29 October 2014-Wednesday

09.00-10.00	<p style="text-align: center;">Room 1: Chair:Prof.Dr. Ali CHEKNANE,University of Amar Telidji-Laghouat, Algeria</p>						
	<p>Invited Speaker 9: Prof.Dr. Oleg BURDAKOV- Linköping University, Department of Mathematics, Linköping – SWEDEN, “An Approach to Solving Decomposable Optimization Problems with Coupling Constraints and its Application in Experimental Psychology” Invited Speaker 10: Prof.Dr. Madjid Fathi, Director, Dept. of EECS University of Siegen, GERMANY, “KNOWLEDGE MANAGEMENT UNDER UNCERTAINTY IN NEURO-SCIENCE TECHNOLOGY”</p>						
10.00-10.15	<p>COFFE BREAK</p>						
	<p>Room 1 (Stream 5-Mech)</p>	<p>Room 2 (Stream 6)</p>	<p>Room 3 (Stream 5-Civil)</p>	<p>Room 4 (Stream 4)</p>	<p>Room5 (Stream 5)</p>	<p>Room6 (Stream 6)</p>	<p>Room7 (Stream 7)</p>
	<p>Session chair: Prof. Goutam Pohit</p>	<p>Session chair: Dr. Houda GHAMRI</p>	<p>Session chair: Dr. Kashinath Saha</p>	<p>Session chair: Prof.Dr. Carmen Maftai</p>	<p>Session chair: Prof Sujit Ghosal</p>	<p>Session chair: Dr. Ashish Kumar</p>	<p>Session chair: Dr. Nursel BAYDEMİR</p>
<p>Session 6 10.15-11.45</p>	<p>Abstract # 24-25-32-68-70-99</p>	<p>Abstract # 185-351-365-472-490</p>	<p>Abstract # 154-304-305-470-489-501-502</p>	<p>Abstract # 7-13-155-214-259-317-353-355</p>	<p>Abstract # 171-299-300-542</p>	<p>Abstract # 196-240-242-345-350-364-368-510</p>	<p>Abstract # 296-301-377-386-426-452-453</p>
11.45	<p>CLOSING - CHECKING-OUT</p>						

ORAL PRESENTATIONS IN ICCESEN-2014

Stream-1: Physical Science and Technology

Abst. #	Authors	Title
11	Majid Zarezadeh	Investigation of operation High precision balances in different environment conditions and calculation of uncertainty to arias environment conditions
12	Majid Zarezadeh	The Preparation of Polyethylene and mineral material Composites, and experimental and theoretical (Using MCNP Code) verification of their characteristics for neutron beam attenuation
46	Aissa Keffous	A novel device configuration based on multilayer a-SiC - Metal – a-SiC for energetic and photonic applications
54	Aliyu Ahmad Warra	PRODUCTION OF ANIONIC SURFACTANT(SOAP) FROM MORINGA OLEIFERA SEED OIL
71	Issam Qattan, Ahmad Alsaad and Ehab Salahat	Possible Empirical Evidence for Diquarks Correlations Within the Proton
72	Issam Qattan, Ahmad Alsaad and Ehab Salahat	Global Extended Gari-Krömpelmann Model Fit to Proton Electromagnetic Form Factors Including Phenomenological Two-Photon Exchange Corrections
95	Murat Dindar, Saniye Dindar, Ekrem Kandemir, Cevdet Bayar, Selcuk Helhel and Tuncay Ozisik	TUY 40 Telescope Control System based on LabVIEW
151	Sibel Akça and Eyyup Tel	Semi-empirical formula with new coefficients of (α , n) reaction cross-section
177	Mohammad Alnabhan and Ahmad Abu-Al-Aish	M-learning QoS Measurement Model: A Context Adaptation Approach
216	Oliver Roesler and Yoshikatsu Hayashi	Simulation of a diffusion driven mobile robot
258	Zoubir Santouh, Abdelkrim Boukabou and Abdelkader Senouci	Controlling fractional-order chaotic systems based on Takagi-Sugeno fuzzy model and predictive approach
274	Hatice Duran Yildiz, Rasit Cakir and Dilaver Porsuk	Superconducting Cavity Utilization for Linear Accelerator Systems
283	Filiz Ertuğral, Hakan Yakut, Emre Tabar, Recep Akkaya, Nilüfer Demirci and Zemine Zenginerler	Measurements of Radon content in the thermal waters in Sakarya
284	Filiz Ertuğral and Hakan Yakut	Measurement of seasonal indoor radon concentration in Sakarya University, Turkey
285	Filiz Ertuğral, Ekber Guliyev and Ali Ekber Kuliev	Quadrupole Moments and Deformation Parameters of the 166-180Hf, 156-170Er and 152-164Dy Isotopes
333	Saida Bourahla and Soumia Kouadri Moustefai	Structural, Electronic and Optical Properties of Sodium Nitrate NaNO ₃ : An ab initio Study
335	Karima Bouakaz and Abdessamad Abada	The soft quarks dispersion relation at next-to-leading order
339	Soumia Kouadri Moustefai and Saida Bourahla	Optical Properties of Inorganic Aerosols: Ab initio Study of NH ₄ NO ₃ and NaNO ₃
342	Karima Benchallal, Karima Bouakaz and Abdessamad Abada	Gluons Energy at Next to Leading Order In Hot QCD Using The Real Time Formalism
388	Amel Ait El Djoudi	Deconfining Phase Transition Described with Probability Distribution and Cumulants
392	Ouahiba Toumi and Smain Kouadik	Modified non commutative induced Chern Simon theory
406	Muhammad Yusuf and Abdulaheem Abdulrahman Kinsara	Preliminary Study in In Vivo CT Dosimetry Using Optically Stimulated Luminescence Detector (OSLD)

491	Turgay Caglar and Murat Hudaverdi	Galaxy Evolution in the Hot Dense Plasma of A3581 and A400 Clusters
515	Hakan Sarikaya and Raşit Altındağ	Investigation of Neutron Shielding with Boron Concrete Additive

Stream-2:Mathematical Science and Applications

Abst.#	Authors	Title
39	Mustafa Kemal Tural	On the LP Relaxation of an IP Formulation of the Minimum Weighted Maximal Matching Problem
41	Osman Palanci and Sırma Zeynep Alparslan Gök	Set-valued Solution Concepts on Cooperative Grey Games
42	Mehmet Onur Olgun, Sırma Zeynep Alparslan Gök and Gültekin Özdemir	Cooperative Grey Games and Inventory Situations
43	Eda Ülgen and Sırma Zeynep Alparslan Gök	On the airport problems and the sequential equal contributions rule
50	Sidiq Abdul-Kareem, Kolawole Bamidele, Saliu Folorunsho andBeki Daud	Computational statements on human neurobiological system and treatments of related body control challenges
59	Serap Ergün, Sırma Zeynep Alparslan Gök and Tuncay Aydoğan	Flow Games in Ad Hoc Networks
67	Hanya Ben Hamdin, Stephen Creagh and Gregor Tanner	Semiclassical Transfer Operator for Complex Built-up Structure
78	Irinel Dragan	On the coalitional rationality of the Banzhaf Value and other non efficient Semivalues
79	Tuğba Akman	Variational Time Discretization Methods for Semilinear Parabolic Optimal Control Problems
80	Tuğba Akman	Proper Orthogonal Decomposition Sensitivities for Schlögl-Model
89	Nezam Mahdavi-Amiri and Mohammad Reza Ansari	An efficiently structured projected exact penalty approach for solving constrained nonlinear least squares problems
111	Derya Dinler and Mustafa Kemal Tural	Algorithms for a minisum location problem with regional demand
113	Azhar Ahmad and R.U. Gobithaasan	On Fair Transition Curve By Bezier Quadratic Spline
114	Mandi Orlić, Zoran Kaliman and Nada Orlić	Analytical derivation of Fuss' relations for bicentric hendecagon and dodecagon
120	Aysun Tezel Özturan	A filter trust region method for generalized semi-infinite programming problems
161	Asif Yokuş and Dogan Kaya	Numerical and Exact Solutions for Time Fractional Burgers Equation
164	Predrag Stefanov, Aleksandar Savic and Goran Dobric	Development and operation planning of power systems by comparing scenarios during multi-objective optimization
179	Vahide Bulut and Ali Caliskan	The Exchange Variatons Between Bezier Directrix Curves of Two Developable Ruled Surfaces
190	Nurdane Kale and İbrahim Karatay	A New Difference Scheme for Fractional Cable Equation and Stability Analysis
191	Nurdane Kale and İbrahim Karatay	Numerical Solution of Fractional Diffusion Equation That Variable Coefficients
205	Mehmet Zeki Sarikaya, Hatice Yaldiz and Samet Erden	On the Hermite- Hadamard-Fejér type integral inequality for convex function
215	Necla Gündüz, Emel Başar And Celal Aydin	Performance of Some Robust Estimators for Weibull Distribution
268	Samira Brahmi, Samia Aitouche and Mohamed Djamel Mouss	Review and comparative study of measurement method of intellectual capital
282	Harun Öztürk and Salih Aytar	An Eoq Model for Defective Items with Acceptable Defective Part in Fuzzy Sets Environment

287	Bezoui Madani and Mustapha Moulai	Exact method for generate efficient solutions to constrained portfolio assets selection
295	Mehmet Ali Cengiz, Talat Şenel and Naci Murat	A Bayesian approach for evaluation of OECD countries' energy efficiencies
310	Siti Hasnah Tanalol, Abdullah Bade and Salina Sulaiman	Self-Collision Detection for Cloth Simulation based on Multiresolution Hierarchical Bounding Volume
338	Murat Sari, Abdullah Hulusi Kokcam and Emin Gundogar	Simulation based Optimization on Mattress Manufacturing Line
352	Muhammad Ashraf and Baris Bulent Kirlar	On the fifth order LFSR sequence over GF(p^2)
411	Samira Biskri and Jean-Pierre Antoine	Image Analysis of Solar Magnetic Loops Using the 2-D Directional Wavelet
422	Shadi Aljawarneh	Concerns from Cloud Security Issues: Challenges and Open Problems
463	Yavuz Can and Georg Prof. Dr.-Ing. Fischer	Orthogonalizing Boolean Subtraction of Minterms or Ternary Vectors
514	Petr Volf	On regression approach to stochastic optimization

Stream-3: Energy and Applications

Abst.#	Authors	Title
21	Zahir Rouabah, Heriche Hocine, Sabrina Benabbas and Ali Dilmi	Optimization of thickness and doping of various layers of CIGS solar cell
60	Soulaymen Kammoun, Amal Marrekchi, Souhir Sallem and Mohamed Ben Ali Kammoun	Behaviour and stability assessment of DFIG based Wind Turbine Generator while coupling to the grid using two different connection techniques.
61	Amal Marrekchi, Soulaymen Kammoun, Souhir Sallem and Mohamed Ben Ali Kammoun	A comparative study of new MPPT technique and P&O in PV Systems for DC loads.
121	Drhameed Khalaf	Analysis and Evaluation of Boiler Efficiency For North Gas Company- Kirkuk (Iraq) By Indirect Method
124	Shahril Irwan Sulaiman, Nur Zahidah Zainol and Hedzlin Zainuddin	Cuckoo Search for Determining Artificial Neural Network Training Parameters in Modeling Operating Photovoltaic Module Temperature
140	Ünal Kurt, Şaban Öztürk, Okan Özgönenel and Merve Şen Kurt	Environmental Impacts of Renewable Energy Sources and Effective Use of These Sources
144	Mehtap Günay, Victor Hugo Sanchez Espinoza and Anton Travleev	THE EFFECT ON NEUTRONIC CALCULATIONS OF CERTAIN ALTERNATIVE FUELS IN A BOILING WATER REACTOR BY USING MCNPX MONTE CARLO METHOD
145	Mehtap Günay	RADIATION DAMAGE INVESTIGATION ON CERTAIN ALTERNATIVE FLUIDS IN A HYBRID SYSTEM BY USING MCNPX MONTE CARLO RADIATION TRANSPORT CODE
199	Sara Borji, Mohammed Benzirar and Mohammed Bouabdellaoui	Calculation of the temperature fluctuations in a heated turbulent jet plane in particular case
208	Muslum Arici, Mirac Kan and Hasan Karabay	Effect of Aspect Ratio on Natural Convection in Cavities with a Wavy Wall
219	Merve Şentürk Acar and Oğuz Arslan	The Effect Of Cold Stream Of Vortex Tube On Efficiency Of The Vapor Compression Refrigeration System
224	Yunus Sarıkaya, Hasbi Apaydın and Şükrü Kitiş	A Hydrolysis System Design and Analysis for Vehicles with Microprocessor Based and PWM Controlled Card
239	Göksu Görel and Ertuğrul Çam	Temperature Effect On The Load Of The Panel To Be Controlled By The PID For Utility Independent PV Systems

260	Sasan Hassan Hamid, Dashne Jalal Saeed and Sarbast Rasheed	Modeling Hydro-Turbine Torque with LabVIEW
271	Mustafa Ergin ŞahİN and Işık ÖzdİNÇ	Design of Wave Energy Converter System with Linear Generator
324	Benoudjit Chalabia and Youcefettoumi Fatiha	Evaluation of the Wind potential by using Weibull model In the different sites of Algeria
327	Rabi Karaali and İlhan Tekin Öztürk	THERMOECONOMIC ANALYSES OF STEAM INJECTED GAS TURBINE COGENERATION CYCLES
328	Rabi Karaali and İlhan Tekin Öztürk	THERMODYNAMIC ANALYSES OF STEAM INJECTED GAS TURBINE COGENERATION CYCLES
329	Arzu Keven and Rabi Karaali	INVESTIGATION OF AN ALTERNATIVE FUEL FOR DIESEL ENGINES
349	Zuhal Er	Utilization of The Collector Rainbow System in Istanbul
363	Lahcene Boukelkoul	Wind Turbine Availability and Reliability Measures Using Markov Reward Model
367	Giray Eşref Kiral, Onur Elma, Ahmed Tahir Ince, Bülent Vural, Uğur Savaş Selamoğullari and Mehmet Uzunoğlu	A New Smart Plug for Monitoring and Home Energy Management
370	Ahmed Tahir Ince, Onur Elma, Giray Eşref Kiral, Bülent Vural, Uğur Savaş Selamoğullari and Mehmet Uzunoğlu	The Analysis of True Electrical Power Consumption Efficiency on a Smart Plug by ZigBee WSN Protocol
385	Abdulsalam Alshboul	Thermal performance of different wall structures in variate extreme climatic conditions in Jordan

Stream-4: Earth Science and Applications

Abst. #	Authors	Title
7	Ahmed Nooh	Using Nanomaterials to optimize Mud Rheology At HPHT wells throughout experimental work.
13	Zine Kechrid and Faouzi Dahdouh	Combined effect of water contamination with cobalt and nickel on metabolism of albino (Wistar) rats
20	Souad Tabet, Zine El Abidine Rahmouni and Belagraa Larbi	Geotechnical study on the landslides of Constantine University site, Algeria
155	Duoying Zhang, Weiguang Li, Wen Qin and Xiaofei Huang	Ammonium removal from drinking water at low temperature by newly isolated strain Acinetobacter sp. HITLi 7
206	Cristina Negru, Florentina Pascariu, Ciprian Chelariu and Mihai Remus Şaramet	Invasive vs. non-invasive methods in estimating slope stability, with application in the Copou area, IAŞI, Romania
214	Mina Moradzadeh and Mohammad Reza Sarajian	Downscaling AMSR_E-Derived Soil Moisture Using MODIS Data
243	Carmen Maftei, Ichinur Omer and Constantin Buta	Impact of climate change on water quality of Techirghiol Lake
245	Gabriel Minea and Carmen Maftei	RAINFALL-RUNOFF STUDY AT THE PLOT SCALE IN VOINEŞTI EXPERIMENTAL BASIN (ROMANIA)
259	Alaaddin Vural	USING OF PLANT TARAXACUM OFFICINALE AS A BIOINDICATOR FOR TRACE ELEMENT CONTAMINATION: ON HIGHWAY OF GÜMÜŞHANE CITY CENTER, TURKEY

299	Baba Musta, Rasyidah Moneey, Ismail Abd. Rahim	Mineralogical Study of Weathered Rock of Sandakan Formation and its Effect to the Potential of Slope Failure
317	Ghassan Al-Dharhani, Zulaiha Othman, Azuraliza Bakar and Sharifah Mastura Syed Abdullah	Enhanced RBFN backpropagation for multi-orientation weather pattern prediction
353	Ebru Başpınar Tuncay, Fuzuli Yağmurlu and Şemsettin Kılınçarslan	Effect of Aggregate Origin on the High Compressive Strength Concrete
355	Ebru Başpınar Tuncay, Fuzuli Yağmurlu and Şemsettin Kılınçarslan	Investigation of Usability As Aggregate of Different Originated Rocks
376	Azuraliza Abu Bakar, Abdul Razak Hamdan, Sharifah Mastura Syed Abdullah and Othman Jaafar	Sequential Pattern Discovery Algorithm for Malaysia Rainfall Prediction
412	Bahador Fallahfar, Esmaeil Rahimi and Neda Mohaghegh	Determining the optimum heap Height considering the Irrigation Rate and the slope of heap bed variations in Miduk Copper mine

Stream-5:Engineering Science and Applications

Abst.#	Authors	Title
4	Shohreh Mohammadi and Habibollah Byatt	Comparing and Categorizing mathematical models to predict relative permeability in granular porous media
5	Ali Habibi and Mir Mohammad Reza Alavi Milani	Determining Inverse Kinematic Parameters of the Robot Arms using Cuckoo Algorithm
14	Süleyman Gökmen, Mehmet Fatih Aydın, Abdulvahit Sayaslan and Hasan Yetim	The effect of Uv radiation on the mycotoxin content of ravioli
15	Abdelmadjid Recioui	Optimization of Circular Antenna Arrays using Differential Search Algorithm
17	B. K. Panigrahi and G Pohit	Dynamic Analysis of Edge Cracked Functionally Graded Timoshenko Beam
23	Prasanta Sahoo and Supriyo Roy	Roughness Optimization of Electroless Ni-P-Cu Coatings Using Artificial Bee Colony Algorithm
24	Arunabha Chanda	Simulation of Flow Boiling Heat Transfer in a Single Horizontal Microchannel
25	Kashinath Saha	SHAPE OPTIMIZATION FOR ELASTIC LIMIT ANGULAR SPEED OF SOLID AND ANNULAR DISKS UNDER THERMAL ENVIRONMENT

28	Rachid Sammouda	Full Automated Segmentation Method of Thorax CT Images for Ealy Detection Lung Cancer Regions
32	Sujit Ghosal, Arunabha Chanda and Gourish Kundu	Numerical Study of Developing Flow through a Parallel Plate Channel for a Power Law Fluid
37	Mahmut Emin Çelik and Irfan Karagöz	Simulation of Electrical Stimulation of Layered Retina with Bipolar Electrode Configuration and Temperature Change on the Retina
49	Gözde İnan Sezer, Şemsi Yazıcı and Alper Sezer	Effect of aggregate type on mechanic and dynamic properties of fiber reinforced concretes
52	Özdoğan Karaçalı	ANALYSIS OF A LOADING PALLET SYSTEM DESIGN FOR NAILING IN COMPUTER AIDED ENGINEERING
55	Damene Zineb, Goual Mohammed Sayah and Saiti Issam	Mechanical and thermal properties of a cellular concrete formulated from dune sand, cement, lime and waste brick fillers
56	Goual Mohammed Sayah and Damene Zineb	Mechanical and thermal properties of dune sand concrete lightened by expanded polystyrene beads
63	Nilanjan Roy, Arunanshu Shekhar Kuar and Souren Mitra	Nd: YAG laser microdrilling of Aluminium 5052: Process optimization and Sensitivity analysis
66	Aisha Al-Baroud, Dhari Al-Gharabally and Hannan Al-Qanai	Kuwait Environmental Remediation Program: Unexploded Ordnance (UXO) Strategy
68	Barış Gürel, Osman İpek and Mehmet Kan	NUMERICAL ANALYSIS IN PULVERISED COAL FIRED FURNACE FOR DIFFERENT BURNER GEOMETRIES
70	Mehmet Kan, Osman İpek and Barış Gürel	PLATE HEAT EXCHANGERS AS A COMPACT DESIGN AND OPTIMIZATION OF DIFFERENT CHANNEL ANGLES
90	Mouloud Challal, Arab Azrar, Mokrane Dehmas, Rabia Aksas and Mohamed Trabelsi	Wide Stopband Microstrip Bandpass Filter Based on a Compact Slotted Ground Structure
99	Salim Saleh, Najeeb Abttan and Ahmed Khuder	Optimization of Welding Parameters and Choose a Reliable Process by Using Reliability Function of Grey Relational Grade (GRG)
102	Hanane Zermane and Hayet Mouss	A Fuzzy Expert System to control and running of a manufacturing process
108	Salim Kahveci	The Effects of Segment Length (J) on Zigzag Code Performance
116	Che Zalina Zulkifli, Hasnatu Nazuha Hassan and Widad Ismail	Embedded RFID and Wireless Mesh Sensor Network Materializing Automated Production Line Monitoring
123	Utku Bayram and Erdem Acar	Tolerance Analysis with Multiple Surrogate Models
125	Yılmaz Gür	Fabrication of Mathematical Models via Low-Cost 3D FDM Desktop Printer
133	Mustafa Günal and Ali Kösen	Application of GIS for predicting quality of drinkable underground water
135	Abdellatif Tchanchane and Bryan Cabije	Assessing Free Space Optical device performance as a function of environment deployed at the University of Wollongong in Dubai
141	Majed Al-Mutairi, Ghadeer Al-Qattan and Fatemah Al-Baroud	Environmental Impact Assessment for Gas Projects
147	Eralda Xhafka, Jonida Teta and Elson Agastra	Mobile Environmental Sensing and Sustainable Public Transportation Using ICT Tools
154	Mustafa Özer and Mehmet Orhan	Determination of an Appropriate Method for Dispersion of Soil Samples in the Laser Diffraction Particle Size Analysis
158	Ashfaq Khan, Sujith Bv and Dr. Abu Sayeed Mohammed	Analysis and design of a multistoried RCC framed structure subjected to progressive collapse
163	Khalim Rashid and Iman Mohseni	Effect of Torsional Stiffness on Distribution of Live Load on Skew Bridges

165	Balgaisha Mukanova and Tolkyun Mirgalikyzy	Simulation of the electric field of a point source on the relief surface
169	Adnan Masri	Composite Shear Walls An Efficient Seismic Resistant System for Multi-story Buildings
171	Farida Boulaghmen and Djillali Benouar	Identification of the Resilience in Algeria: Study Case of Major Risks Situation. Earthquake of Boumerdes, 21 May 2003.
172	Falah Alshahrany, Maysam Abbod and Idir Moualek	WSN and RFID Integration to Support Intelligent Monitoring in Smart Buildings Using Hybrid Intelligent Decision Support System
175	Balázs Nagy	Thermal calculation of ground contact structures: New methods based on parametrized transient finite element thermal modeling
176	Figen Aynali and Gokcen Alev Altun Ciftcioglu	THERMODYNAMIC STUDY: C-H BOND ACTIVATION OF METHANE WITH OsO ⁺
178	Balázs Nagy	Thermal calculation of ground contact structures: Correction factors of environment- and structure-dependent effects on the heat transfer coefficient
183	Hamza Medoukali, Mossadek Guibadj and Boubakeur Zegnini	Numerical Study Using FEM of Partial Discharges Apparition in XLPE Insulation Cables Containing Cavities
194	Dilek Altas, Ahmet Mete Cilingirturk and Vildan Gulpinar	Solution of the Artificial Neural Networks “Black Box” Problem with the Help of the Social Network Analysis
211	N Boukhalfa and M Afrid	Use of the 4th order Runge Kutta Numerical Method in a Chemical Kinetic Problem
212	N Boukhalfa and A.H Meniai	Optimization of a Thermodynamic Model Parameters Using the Levenberg- Marquardt Method
218	Chanane Kamal, Manjate Elcidio and Bouras Omar	Adsorption end co-adsorption model calculation of pentachlorophenol and humic acids onto bentonite end activated carbon.
223	Ömer Yavuz Bozkurt, Mustafa Omeed Ezzulddin Barbar and Özkan Özbek	Investigation of Effects of Parameters in Element-Free Galerkin Method for Bending Analysis of Mindlin-Reissner Plates
233	Michal Pazdanowski	SVD augmented gradient optimization
235	Ali Haydar Kayhan and Ahmet DemİR	Harmony Search Based Solution Algorithm for Optimum Design of RC Cantilever Retaining Walls Considering Relevant Turkish Standards
238	Shohreh Mohammadi, Ali Kargari and Habibollah Byatt	Phenol Removal Evaluation in a Photo-catalytic Membrane Reactor (PMR)
246	Shohreh Mohammadi and Habibollah Byatt	Pore network modeling of multi-phase flow through porous media
247	Seokkwan Hong, Jeongjin Kang, Chan Hee Park, Jong-Taek Yeom and Jong-Deok Kim	Numerical Simulation of Cold Drawing Process for Nitinol Tube
248	Emre Sancak and Canan Kiran	Investigation of the Using of the Wastewater Dried Sludge from Isparta Plant into Cement
251	Ayşe Yeter Günal and Aytaç Güven	Determination of geomorphological parameters of Damlıca basin using GIS.
253	Idrees Al-Kofahi	Investigation Of Drain Engineering Submicron MOSFET's Behavior
254	Dursun MeriÇ and Hasan Gedİklİ	Numerical Investigation of Energy Absorption Characteristics of Tailor Welded Conical Tubes
267	Maadh Alsamarrae, Anas Alsamarrae and Sarbast Rasheed	Measuring the Pollution Rates In Water Lakes
269	Malgorzata Urbanek and Dorota Blaszkiewicz	Improvement of the construction railway foundation using a numerical model
270	Helin Nahro, Kardo Kamil, Sarbast Rasheedand Nihad Baban	Modeling and Analysis of Dam Problems Using LabVIEW

276	Souad Hamada	Dynamic Hysteresis Modeling based on the Loss Separation Concept in Conducting Media up to Mean Frequency
280	Zeynep Ilbay, Mahmut Bayramoğlu and Ş. İsmail Kırbaşlar	Optimization of Ultrasound- Assisted Extraction Parameters of Bioactive Components from Grapefruit (Citrus paradisi) leaves Using D-Optimal Design
281	Muhammed Emin Başak and Ayten Kuntman	Prediction Methodology of Electromagnetic Emission for Integrated Circuits
286	Souhir Sallem and Mohamed Kamoun	Symmetrical components computation in a Three-phase Induction Motor Operating from Single-phase Supply
288	Olga Kisseleva, Bahytjan Akhmetov and Petr Kharitonov	PRINCIPLES OF CREATION OF INTEGRATED ON-LINE ACCESS SYSTEM FOR FREE STANDING RENEWABLE ENERGY TECHNOLOGY (RET)
289	Olga Kisseleva, Bahytjan Akhmetov and Petr Kharitonov	HELIOHEATING ENERGY ACCUMULATING SYSTEM
299	Nabil M. Nagy	Numerical Evaluation of Craters Produced by Explosions on the Soil Surface
300	Nabil M. Nagy	Numerical Investigations of Dynamic Soil-Tunnel System Performance under Extreme Loads
302	Eyüp Bilgiç and Yasin Durgut	Effects of Waveform Model on Sensitivity Values of Transducers Used in Mechanical Dynamic Measurements
304	Gebrail Bekdaş, Rasim Temür and Yusuf Cengiz Toklu	Analysis of Structures by Optimization Techniques
305	Rasim Temür, Gebraile Bekdaş, Yusuf Sait Türkan and Y. Cengiz Toklu	Investigation of Elasto-Plastic Behavior of Truss Structures by Total Potential Energy Optimization Method
311	Soukkou Ammar	From Physical Operators to Chemical Engineering Control Design: Fractional Control of an Activated Sludge Process
313	Natalya Glazyrina, Balgaisha Mukanova and Alexandr Glazyrin	Software-hardware complex of multi-parameter optimization of operation mode of ionite filter
318	Ali Öz, Habib Gürbüz and Ali Kemal Yakut	Experimental investigation of reusability by the coating of vehicle brake discs worn beyond the tolerance limits
320	Özgür Aktürk and Vedat Doyuran	3D Fully Coupled Analyses of Groundwater Drainage at Necatibey Subway Station, Ankara, Turkey
323	Morteza Khalilian, Morteza Abbaszadeh and Mina Shahrooz	A Numerical Survey on Possible Effects of Pressure Drop in Micro-Pipettes on Outcomes of Micro-Aspiration Experiments Intended To Characterize Mechanical Properties of Living Cells
334	Vecdi Emre Levent and Fethullah Karabiber	Implementation of FPGA Based Real-Time Image Processing Filters
348	Mahmut Emin Celik and Irfan Karagoz	Modelling of stimulation environment using monophasic rectangle pulse for various stimulation parameters
356	Chaker Saleh, Mouloud Bouzouad and Laamari Mamoun	A Zero –Index Metamaterial Single Layer Superstrate for Patch Antenna Gain Enhancement
372	Dhafer Alhalafi and Dr. François Siewe	A NEW METHODOLOGY TO DISAMBIGUATE PRIVACY
384	Mahir Uzun	Investigation of Wear Behavior in Curvilinear Gears
390	Shervin Maleki and Mohammad Abedin	The Shear Lag Effects on Welded Steel Single & Double Angle Tension Members
391	Shervin Maleki and Moien Barkhori	Numerical Investigation of Shear Lag in Welded Double Channel Connections
398	Abdelmalek Samir and Belmili Hocine	An Advanced Robust control power based on vector control Approach
399	Mohammed Shatnawi, Mohammad Alrousan and Suzan Amareen	Content-based Image Retrieval for Medical Applications Using Low level Image Descriptors

400	Qusai Abuein, Mohammed Shatnawi and Suzan Amareen	Content-based Image Retrieval for Medical Applications with Flip-Invariant Consideration using Low-Level Image Descriptors
403	Nurettin Gokhan Adar, Aysun Egrisogut Tiriyaki and Recep Kozan	Real Time Visual Servoing of a 6-DOF Robotic Arm Using Fuzzy-PID Controller
405	Khaleel Al Khasawneh	Studies of Pressure, Shear Stress and Heat Flux of Plume Impingement onto a Flat Plate with an Arbitrary Angle
424	Selçuk Özmen and Harun Kaman	Performance Evaluation of Irrigation Schemes: A Case Study of Antalya Irrigation District in Mediterranean Region of Turkey
427	Thamer Al-Rousan	SOFTWARE PROCESS IMPROVEMENT FOR WEB-BASED PROJECT
451	Ayşe Ak, Özgür Kaya, Didem Turgut Coşan and Murat Gülsoy	Cytotoxic Effects of Different ICG Concentrations and Laser Parameters on Neuroblastoma
465	Benchara Benabed and Akram Salah Eddine Belaidi	Fresh properties and strength of self-compacting concrete made with desert dune sand
470	Fatih Yılmaz, Hakan Alper Kamiloğlu and Erol Şadoğlu	Soil Stabilisation With Using Waste Materials Against Freezing Thawing Effect
471	Özkan Bingöl, Murat Ekinci and Ahmet Gökdoğan	Finding Quadratic Surface Equation and Curvatures of A Hand Using Stereo Cameras
483	Ali Habiboghli and Vasif Nabiye	Ear region detection in profile face images
489	Mustafa Kaya and Asım Genç	ANALYTICAL MODELING OF THE HISTORICAL DİYARBAKIR KARASU BRIDGE FOR ITS USABILITY FOR CIVIL AND MILITARY AIMS WHEN NEEDED
501	Ahmet Beycioglu and Celalettin Başyigit	RULE-BASED MAMDANI TYPE FUZZY LOGIC APPROACH FOR PREDICTION OF COMPRESSIVE STRENGTH OF LIGHTWEIGHT PUMICE CONCRETE CONTAINING MINERAL ADMIXTURES
502	Ahmet Beycioglu and Hüeyin Yılmaz Aruntaş	Experimental investigation on the properties of blended cements containing clinoptilolite under the effect of elevated temperature
513	Ahmadreza Eskandari and Mohammadreza Eskandari	Inverse Scattering of Two-Dimensional Objects Using Linear Sampling Method and Adjoint Sensitivity Analysis
542	Dakhmouche Fatima-Zohra, Chabil Hocine, Brunteaude Xavier, Al-Mukhtar Muzahim	STUDY OF THE MODIFICATIONS OF THE MICROSTRUCTURE DUE TO THE ACCELERATED CARBONATION OF THE CONCRETES
544	İsmail Serkan Üncü, Safinur Coşkunsu	Led Board Error Control Automation With Image Processing
545	İsmail Serkan Üncü, Ayhan Arısoy, Birkan Büyükarıkan	Stable Light Level Detection Using Neural Networks Algorithms In The Light Pool's

Stream-6:Material Science and Applications

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16	Abubakar Sidique J M and Syed Abu Sayeed Mohammed	AN EXPERIMENTAL STUDY ON THE BEHAVIOUR OF OPC, PPC, & PSC BEAM SPECIMENS UNDER SHEAR EXPOSED TO MARINE ENVIRONMENT
18	Tomasz Piotrowski	NGS-Coccrete – New Generation Shielding Concrete against ionizing radiation – the potential evaluation and preliminary investigation

19	Tomasz Piotrowski	Experiments on neutron transport through concrete member and the potential for the use in material investigation
26	Marin Petrovic and Avdo Voloder	Flexural Strength Reduction in Cemented Carbides
47	Sadik Alper Yildizel, Mehmet Ali Ustuner and Hasan Sozen	Smart Voltaic Curing Of Hyper Superplasticizer Added Fresh Concrete
53	Özdoğan Karaçali	Fatigue Analysis of Micro Operation Tools Material in Transconjunctival Surgery
69	Battal Gazi Yalçın	Band Gap Characterization of Ternary BBi1-xNx Alloys: A First-Principles Study
86	Ahmed Gueddim, Samir Zerroug and Nadir Bouarissa	Ab initio investigation of the optical properties of ZnSe1-xOx
87	Ahmed Gueddim, Nadir Bouarissa and Taieb Eloud	Optoelectronic properties of nanostructured GaN
98	Ashish Kumar, Tanuj Kumar, Shammi Verma, Dinakar Kanjilal and Rajendra Singh	Electrical and microstructural analyses of Ni/GaN Schottky barrier diode irradiated at 80K by 100 MeV O ions
122	Sadık Bağcı and Battal Gazi Yalçın	Structural and Electronic Properties of Ternary AlxIn1-xP Alloys
148	Saif Ur Rahman, Mushtaq Khan, A. Nusair Khan, Liaqat Ali and Syed Husain Imran	Two-step martensitic transformation in an aged Ti ₅₀ Ni ₁₅ Pd ₂₅ Cu ₁₀ high temperature shape memory alloys
153	Argun Talat Gökçeören, Ekrem Kaplan and Yasin Arslanoğlu	Electrochemical Analysis of Phthalocyanine Nanofibers as Anti-Corrosive Materials
160	Azzuliani Supangat	Metal phthalocyanine: Fullerene composite nanotubes for enhanced morphological, structural and optical properties
166	Mahdi Debieche and Karima Boudhar	Ultrasonic and Brillouin scattering studies of improper ferroelastic phase transition in RbAlF ₄
173	Erdoğan Karip, Sezgin Aydın and Mehtap Muratoğlu	A study on wear behavior of hardfacing alloy using Fe-Cr and Fe-B powders
174	Sezgin Aydın, Erdoğan Karip and Mehtap Muratoğlu	An Investigation On The Electrical Conductivity Of Metal Matrix Composite Reinforcement Different Ceramic Particles
185	Babür Deliktaş, Betül Gülçimen and Peter Hähner	Experimental and Numerical Modelling the Creep Behaviour of P91 Steel
186	Ayhan Akkaş, A. Beril Tuğrul, Okan Addemir, Bülent Büyük, Müzeyyen Marşoğlu and Bengü Ağacan	Behaviour of Boron Carbide Aluminum Metal Matrix Composite Against Gamma and Neutron Radiation
187	Erdem Uzun	How much reliable fundamental thermoluminescence models? A comparison of the models and real materials.
196	Metin Davraz, Hakan Ceylan and Şemsettin Kılınçarslan	Estimation of Poisson's Ratio of Lightweight Concretes by Artificial Neural Network
197	Meral Cengiz and Filiz Cinar Sahin	Effects of spark plasma sintering parameters of boron carbide ceramics using metallic aluminum in square cross section
198	Meral Cengiz, Salih Cagri Ozer, Bulent Buyuk, A. Beril Tugrul, Onuralp Yucel, Gultekin Goller and Filiz Cinar Sahin	Processing, mechanical and nuclear characterization of boron carbide ceramics consolidated by spark plasma sintering
207	Fatima Djerfaf and Az Merzouki	Determination of the dielectric behavior of binary materials.
234	Naïma Mansouri and Kamel Zidani	Influence of Fixation Conditions on the Mechanical Behavior of Superior Removable Total Denture: A comparative Study by 3D Finite Element Analyses
240	Fatma Gode, Fatma Yavuz and I. Afsin Kariper	Preparation and characterization of crystalline PbS thin films produced by chemical bath deposition
242	I. Afsin Kariper and Fatma Gode	Fabrication and optical characterization of CdSe thin films grown by chemical bath deposition

321	Muhammad Mansoor and Muhammad Shahid	Fractographic Studies on the Transition of Slip Phenomena from Shear to Bypass Movement of the Dislocations in Al-CNT Nanocomposite
326	Ikhlef Malika, Boukhtache Sebti and Chabane Mabrouk	A New Model of Hysteresis Magnetic and Magnetostriction Loops Including the Stress Demagnetisation Term Effect on the Magnetic Properties in Non-Oriented 3% SiFe Sheets.
345	Benbouza Mahamed Slh and Merabtine Nadjim	Influence Of Physical Parameters On The Transconductance gm and resistor Rg Of Channel For The Component Submicron
350	Mehmet Karaman, Özge Tüzün Özmen, Salar Habibpur Sedani and Raşit Turan	P-type and n-type polycrystalline silicon thin films formed by aluminium induced crystallization and solid phase epitaxy
351	Ravi Agarwal, Narendra Agarwal, R. S. Beniwal and Ramvir Singh	Synthesis and Characterization of Al ₂ O ₃ Nanoparticles via Combustion Temperature Controlled Particle Size Distribution
364	Zeki Arslanoğlu, Halenur Onat, Osman Sahin, Mehmet Gokhan Tekin and Mehmet Adiguzel	Evaluation of Surface Properties of Four Tooth-Colored Restorative Materials
365	Zeki Arslanoğlu, Halenur Onat, Osman Sahin and Ediz Kale	Comparison of microhardness behavior of a newly developed and widely used three different dental filling materials
368	In Qureshi, Muhammad Shahid and A. Nusair Khan	Effect of bondcoat thickness on high temperature hot corrosion of ZrO ₂ -8Y ₂ O ₃ thermal barrier coating
371	Ibtissem El-Mahdi and Rachid Belal	Synthesis and characterization of the complex of copper (II) types Schiff Bases
397	Kamel Kassali	Structural, elastic and thermal properties of Some Rares earth intermetallic compounds
435	Mevlüt Taşcan and Serkan Nohut	Estimation of the Mechanical Properties of Technical Spunbond Nonwoven Fabrics using Digital Image Analysis
436	Serkan Nohut	Determination of optimal linear regression estimator and minimum sample size for reliable fitting of strength distribution of advanced ceramics
439	Mustafa Oran and Banu Arslan	Visual Simulations for Melting and Fining Behaviors of Soda Lime Silica Glasses
469	Serkan Nohut and Mevlüt Taşcan	Investigation of relationships between wet spinning process parameters, type of solvent and physical and mechanical properties of PVDF fluoropolymer solid fibers
472	Karim Rayane and Omar Allaoui	Prediction of boride layer depth obtained on XC38 steel in molten salts using adaptive neuro-fuzzy inference system
490	Haim Taitelbaum	Characteristics of Reactive-Wetting at Room Temperature
510	Amer Al Abdel Hamid	DFT-Analysis of Substituent Effects on Electron Donating

Stream-7: Biological and Medical Science and Applicatons

Abst.#	Authors	Title
10	Majid Zarezadeh	Investigation coating HB(C ₆ F ₅) ₂ and ClB(C ₆ F ₅) ₂ branches in cancer drugs with BNCT(Boron Neutron Capture Therapy)method and determining absorb dose of branches
152	Rechard Lee and Abdullah Bade	Integrated Approach To recognize Square-ROI in Breast Cancer Augmentation
252	Hüseyin Salman, Bekir Oruncak and Rıdvan Ünal	CALCULATION OF REACTION CROSS SECTIONS FOR PRODUCING 75-BR OVER THE ENERGY RANGE OF 5-40 MEV
257	Vladimir Todirash, Alexei Popa and Vladimir Natalia	A SPATIO-TEMPORAL RISK PREDICTION MODEL FOR DOWNY MILDEW (Plasmopara viticola) IN GRAPEVINE
263	Zehra Karhan and Burhan Ergen	A CONTENT BASED MEDICAL IMAGE RETRIEVAL SYSTEM USING BLOCK BASED DISCRETE COSINE TRANSFORM

264	Asli Yazici, Bahar Dirican and Esil Kara	DOSIMETRIC COMPARISON OF IMRT SIMULTANEOUS INTEGRATED BOOST WITH CONVENTIONAL IMRT TREATMENT PLANNING FOR HEAD AND NECK CANCER
291	Volkan Tekin, Ozge Kozgus Guldu, Zumurut Biber Müftüler, Ilker Medine, Ayfer Yurt Kilcar and Perihan Unak	In Vitro Evaluation of ^{131I} Labeled Urtica Dioica Origin 3,4-Divanillyltetrahydrofuran (DTH) on Prostate Cancer Cells
296	Ozge Kozgus Guldu, Volkan Tekin, Perihan Unak, E. Ilker Medine, Suna Timur and Serap Evran	Synthesis, Radioiodination and In vitro Applications of Green Fluorescent Protein Conjugated Zinc Oxide Nanoparticles
301	Khalid Abu Khadra, Ahmad Khalil, Mahmoud Abu Samak and Ahmad Aljaberi	Biochemical Changes in the Composition of Saliva in Young Men from North Jordan Using Mobile Phones
303	Haliz Abdulrahman Hussein, Abdulkadir Yildiz and Haval Yacoob	A STUDY TO DETERMINE THE ASSOCIATION OF BODY FAT RATIO WITH HEART DISEASE RISKS IN WOMEN BY BIOELECTRICAL IMPEDANCE ANALYSIS
309	Asghar Mesbahi and Homa Hayati	Monte carlo study on the effect of x-ray spectrum on the dose sensitivity of a polymer gel dosimeter
314	Kıvanç Ergen, Arzu Çilli and Nazmiye Yahnioğlu	Predicting Epidemic Diseases Using Mathematical Modelling of SIR
346	Ho Wei Yong, Siti Hasnah Tanalol, Rajesh Kumar Muniandy and Abdullah Bade	3D Model Reconstruction of Breast Abnormality Using Integrated 3D Pixel- Voxel Construction Method
377	Kanika Malik	GENETIC DIVERGENCE ANALYSIS AMONG TWENTY TWO POPULATIONS OF GLADIOLUS CULTIVARS BY RAPD-PCR
386	Md Mostafa Kamal, Sujoy Kumar Bhajan, Nadra Tabassum and Mohammad Nurul Islam	Molecular Diagnosis of Tomato leaf curl virus disease (ToLCVD)
426	Saliha İrem Tanrıseven	A Medical Information Retrieval System on a Local Document Corpus
430	Nursel Baydemir	Negative effects of anthropogenic disturbance on bats
452	İsmail Serkan Üncü And Oktay Köse	The Hair Analysis With Phototrichogram
453	İsmail Serkan Üncü And Mustafa Akdurul	Supervising in site water resources water quality via telemetric system

POSTER PRESENTATIONS IN ICCESEN-2014

Stream-1: Physical Science and Technology

Abst. #	Authors	Title
35	Ahmed Ibrahim	Laser Effect On The CR-39 Polymeric Detector
57	Chaker Saleh, Bensafieddine Djallal Eddine, Laamari Mamoun and Mouloud Bouzouad	A Zero –Index Metamaterial Superstrate for Patch Antenna Gain Enhancement
77	Hatice Vural, Ibrahim Ucar and Ebru Kucuk	Three new chelidamate complexes with the 4-methoxypyridine: A Combined Theoretical and Experimental Study
96	Hussain S. Akbar	Study of Plasma Potential Instability in Plasma via Computer Simulation
112	Messai Amel, Hamdaoui Ahlem and Sid Assia	Synthesis, Characterisation by spectroscopy (FTIR, NMR) and X ray of a new bio-actif compounds; and study of their biological properties
181	Ahmet Kirsoy, Muhitdin Ahmetoğlu, Ahmet Asimov and Banu Kucur	The Electrical Properties of Au/P3HT/n-type GaAs Schottky Barrier Diode
184	Sonay Gedik and A.Filiz Baytas	Shielding of Gamma Radiation by Using Porous Materials
188	Beril Tugrul, Sema Erenturk, Sevilay Hacıyakupoglu, Nilgün Karatepe, Nesrin Altınsoy, Nilgün Baydoğan, Filiz Baytaş, Bülent Büyük, Ertuğrul Demir, Esra Orucoglu and Sonay Gedik	Kinetic and Thermodynamic Behaviour of Selenium on Modified Bentonite and Activated Carbon Using Radiotracer Technique
210	Mehmet Emin Korkmaz, Mihriban Şahin and Osman Agar	THE DETERMINATION OF GROSS ALPHA AND BETA ACTIVITY OF WATER RESOURCES IN KARAMAN REGION OF TURKEY
213	Demet Sariyer, Rahmî Küçer and Nermin Küçer	Neutron Shielding Properties of Concrete and Ferroborene
222	Mandi Orlić, Ivana Jelovica Badovinac and Nada Orlić	Spectroscopic and statistical methods to compare the elemental composition of historical samples
225	Mohamed Boumaza	Crystallographic Orientation effect on Hole Polar Optical Phonon Scattering rates in Thin In _x Ga _{1-x} As/GaAs Quantum Wells
231	Rahmi Küçer, Nermin Küçer and Demet Sariyer	Calculation of Neutron Production in Selected Target Materials by Beam of Protons Using FLUKA code
232	Fadila Mezrag and Nadir Bouarissa	The effect of compositional disorder on the band structure of GaAs x Sb _{1-x} ternary alloys semiconductors
250	Ufuk Akçaalan, Rıdvan Ünal and Bekir Oruncak	THE CALCULATED NEUTRON CAPTURE CROSS-SECTION OF THE ²³⁸ U AND ²³² Th IN THE RANGE OF 5-20 MEV
256	Ufuk Akçaalan, Rıdvan Ünal, İsmail Hakkı Sarpün, Hüseyin Ali Yalım and Bekir Oruncak	(γ,n) REACTION CROSS SECTIONS OF SOME LANTHANIDE NUCLEI AT DIFFERENT LEVEL DENSITY MODELS
261	Hüseyin Salman, Bekir Oruncak, Ufuk Akçaalan, Rıdvan Ünal and Hüseyin Ali Yalım	(N,2N) AND (N,3N) NEUTRON INDUCED REACTION CROSS SECTIONS ABOVE 8 MEV
275	Hatice Duran Yildiz, Esra Demirhan and Dilaver Porsuk	Free Electron Laser Optimisation with Genesis 1,3
292	Erdem Uzun	Integration of Thermal Quenching Effect into Numeric Energy Band Model of (α -Al ₂ O ₃) Alumina
312	Embarka Boutalbi	Comparison of Second Order Algorithms for Function Approximation with Neural Networks.
315	Sawsen Nezar and Nadia Saoula	Properties of thin films of TiO ₂ deposited by RF magnetron sputtering

330	Mehmet Emin Korkmaz, Erdem Uzun and Osman Agar	GROSS ALPHA/BETA ACTIVITY CONCENTRATIONS AND DOSE MEASUREMENT OF SOIL SAMPLES IN KARADAĞ MOUNTAIN, TURKEY
337	Mahieddine Lahoubi	Calorimetric Determination of the Low Temperature Anomalies in Terbium Iron Garnet Single Crystals
373	Fahima Boudjada, Hocine Chorfi, Lamia Bendjeddou and Lotfi Belkhiri	Calculation and assignment of vibrational modes of adeninium hemisulfate hydrate by DFT
374	Hocine Chorfi, Fahima Boudjada and Abdelghani Djebli	Exchange-Correlation effects on the electronic and structural properties of Zinc Oxide
380	Kenza Zaibak	One-Loop Perturbative Corrections for Noncommutative N=1 Supesymmetric Gauge Theories in two Dimensions
381	Hüseyin Ozan Tekin, İskender Akkurt	Optimization of the gamma detectors for NRF experiments at TARLA
382	Hüseyin Ozan Tekin, Iskender Akkurt and Asghar Mesbahi	Calculation of Detection Efficiency for the gamma detectors using MCNPX
383	Ümit Kara, Hüseyin Ozan Tekin, Adnan Çalık and Iskender Akkurt	PERFORMANCE OF BORON-CARBIDE ON RADIATION SHIELDING
389	Lebba Ghenam and Amel Ait El Djoudi	Study of a Mixed Hadronic-QGP System with Massive Particles
421	Moneeb T. M. Shatnawi	An Experimental Search for a Stress-Free Self Organized Phase in GexSe1-x Glassy Networks
437	Mustafa Cevat Boz, Feda Öner and Betül Mavi	Natural Radioactivity And Radiation Hazards İn Coals Extracted İn Amasya, Turkey
441	Nurdan Karpuz, M.Cevat Boz, Betül Mavi, Feda Oner, İskender Akkurt	Investigation of Production Reaction Cross Section for ¹³⁷ Cs Used in Radiotherapy
444	Arzu Coşkun, Ahmet Bülbül, Medine Çiçek, M.Cevat Boz, Betül Mavi	Gamma ray shielding properties of paint contains PSA, SA and Pig in different rate
454	Hakan Akyıldırım	Estimation of photon attenuation coefficients of barite concretes by FLUKA
455	Medine Çiçek, Betül Mavi	Investigation of Natural Radioactivity and Radiological Hazard in Sediment from Yedikır Pond
456	Nilgun Demir	Monte Carlo Simulations at the Micromegas Detector
457	Iskender Akkurt and Hakan Akyıldırım	FLUKA calculation for gamma-ray attenuation coefficients of concretes containing olivine at different energies
458	Hakan Akyıldırım	Photon attenuation coefficients of concretes containing zeolite using FLUKA code
460	Djamila Benlemdjaldi, Abdelatif Tahraoui, Naima Fouial and Samir Chekour	Study of the sheath structure in a collisional discharge plasmas containing multi-sizes impurities
464	Naima Fouial, Abdelatif Tahraoui, Samir Chekour and Djamila Benlemdjaldi	Effect of energetic electrons on electrostatic sheath of complex plasmas
467	Ahmet Bülbül, Feda Öner and Betül Mavi	Investigation of natural radioactivity levels in building materials used in amasya, turkey
473	Betül Mavi and İskender Akkurt	Investigation of Radiation Absorption Properties of SomeIndia Granites
474	Nilgün DemİR, Zehra Nur Kuluöztürk and İskender Akkurt	Investigation of Energy Deposition and Dose Distributions on Collimator under Photon Beam
475	Betul Mavi, Feda Oner,İskender Akkurt	Determination of Gamma-ray Attenuation Coefficients of Amasya Marbles at Different Energies
477	Muhammed Fatih Kuluöztürk and Mahmut Doğru	Natural Radioactivity Levels on Surface Water of Nemrut Crater Lake (Bitlis, Turkey)
479	Betül Mavi, Ahmet Bülbül, Arzu Coşkun, Medine Çiçek, M.Cevat Boz	Natural Radioactivity Concentrations in Soil Samples Along The Boraboy lake in Amasya- Turkey

480	Arzu Coşkun, Betül Mavi	Determination Of Some Hematological Parameters Of The Radiology Workers
492	Murat Hudaverdi and Turgay Caglar	The Roadmap of Space Science and Technologies
493	Nurdan Karpuz, M. Cevat Boz, Betül Mavi, İskender Akkurt	Variation of Photoneutron Cross Section with Mass Number
494	Nurdan Karpuz, M. Cevat Boz, Betül Mavi, İskender Akkurt	Cross Sections calculation of (g,N) reactions for Some Elements
495	Nurdan Karpuz, Betül Mavi, İskender Akkurt	Calculation of Gamma Strength Functions for Photonucleon Reactions
496	Neslihan Kaya Kınaytürk and Halil Oturak	molecular structure, vibrational spectra, nmr and uv spectral analysis of 1-methyl-6-nitro-1h- benzoimidazol
497	Halil Oturak, İbrahim Gökhan Şahin and Neslihan Kaya Kınaytürk	structure and vibrational studies of f 1-(1h-benzoimidazol-2-yl) ethanol, using dft method
498	Şükriye Şule Arda, İskender Akkurt and Kadir GÜnoğlu	Variation of Energy Resolution with Distance for a NaI(Tl) Detector
507	N. Ayten Uyanık	Determination of Natural Radioactivity from ³² Th with gamma ray spectrometer in Derekoy (Burdur) Southwestern Anatolia
509	Nilgün Demir, Zehra Nur Kuluozturk, İskender Akkurt	Angular Distribution of Bremsstrahlung Photons in Ta target for 40 MeV electron beam
511	İskender Akkurt, Hakan Akyildirim and Kadir Gunoğlu	Variation of neutron dose in different medium
524	Ahmet Faruk Özdemir, Dilara Ecem Akcan, Havva Elif Lapa, Yılmaz Kansız	On the frequency dependent C-V and G-V characteristics of Au/Poly(3-Substitutedthiophene)(P3DMTFT)/n-GaAs Schottky Barrier diodes
552	Işık Yeşim DİCLE	Formation of Free Radicals In Rosuvastatin by Gamma Radiation:an EPR Study
557	Sinem Gürkan Aydın, Fatih Ucu	Calculated optimized structures and hyperfine coupling constants of some radical adducts of α -phenyl-N-tert-butyl nitrene in benzene and water solutions
558	Adel Belayadı, Fawzia Mekideche-Chafa, Leila Tribeche	Continuous functions modeling with an improvement techniques to feed in data the neural network

Stream-2: Mathematical Science and Applications

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38	Lamiche Chaabane and Moussaoui Abdelouahab	Efficient Multispectral Fusion Approach for the Segmentation of MR Brain Images
64	Zaoui Moussa, Menasri Nouredine and Chami Nouredine	Application of the theory of optimal control for the resolution of an aerodynamic problem
149	Ayça Arslanboğan and Pinar Dündar	MULTI-TASKING ASSIGNMENT PROBLEM
265	Teodora Catinas	An iterative modification of Shepard-Bernoulli operator
336	Abide Tuna Aksoy and Abdilkadir Ceylan Çöken	Null Quaternionic Curves in Semi Euclidean 3-Space of index ν
344	Abide Tuna Aksoy and A. Ceylan Çöken	Serret-Frenet formulae for null quaternionic curves in the semi-Euclidean spaces \mathbb{R}_1^4
387	Necla Gündüz and Ernest Fokoue	Application of Some Robust Classification Techniques for High Dimensional Data
555	Doğan Kaya, Asif Yokuş	Stability Analysis and Numerical Solutions for Time Fractional KdVB Equation

Stream-3: Energy and Applications

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34	Aissa Kefai, Sahraoui Tahar, Abdelkrim Kheloufi and Nadjib Drouiche	Microstructural and mechanical characterization of silica intended for photovoltaic application
65	Abdelbaki Cherouana and Rebiha Labbani	MODELISATION BY MATLAB OF SILICON SOLAR CELLS PERFORMANCES
88	Lyes Zougar, Samira Sali, Khadidja Mahdid, Salim Kermadi, Messaoud Boumaourand Mohamed Kechouane	Electrical and Optical Properties of Al ₂ O ₃ Thin films Deposited by Ultrasonic Spray for Solar Cells Applications
94	Nadir Bellel and Ismail Tabet	Theoretical And Experimental Study Of Cascade Solar Still
230	Mohamed Amine Kaibiche, Achour Mahrane and Madjid Chikh	A comparative analysis of the performance of different PV module types deployed outdoors
357	Onur Öztürk, Ahmet Köksoy, M. Erhan Balcı, Bahtiyar Dursun and M. Hakan Hocaoglu	A NEW INDUCTION GENERATOR MODEL FOR UNBALANCED POWER FLOW ANALYSIS
360	Funda Ateş and Gamze Akan	Optimization Of Bio-Oil Obtained From Pressurized Pyrolysis Using Response Surface Methodology
394	Sawsen Nezar and Nadia Laoufi	Photocatalytic degradation of an Emerging Contaminant (metformin) under sunlight irradiation in Presence of Suspension of TiO ₂ and titanium dioxide doped
419	Toufik Smail and Hocine Belmili	Modeling and Simulation of Buck-Boost DC-DC Converter for PV and WT Application
466	Dahbia Akroum-Amrouche, Hakim Lounici, Nadia Abdi and Nabil Mameri	Effect of substrate on fermentative hydrogen production process by E coli
476	Sofiane Kherrou	Horizontal solar dryer thermal regulation

Stream-4: Earth Science and Applications

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6	Ahmed Nooh	Pore Pressure evaluation From well logging with Extensive Focus on Seismic Prediction Techniques at LAGIA-8 well, Sinai, Egypt
128	Mohamed El Tokhi, Bahaa Mahmoud and Sulaiman Alabed	Distribution of heavy metals in the bottom sediments of the Arabian Gulf, United Arab Emirates
132	Bahaa Eldin Amin, Mohamed El Tokhi and Sulaiman Al Kaabi	Distribution of grain size in the bottom sediments of the Arabian Gulf, United Arab Emirates
236	Amina Islam, Titly Farhana Faisal, Sylvie Chevalier, Mustapha Jouiad, Mohamed Sassi	Image-based simulation of single-phase flow using Lattice Boltzmann Method on carbonate core-plug samples
237	Titly Farhana Faisal, Amina Islam, Sylvie Chevalier, Isam Janajreh, Mohamed Sassi	Comparison of micro-scale single phase flow simulation in porous media using Lattice Boltzmann Method and Finite Volume Method
322	Alaaddin Vural, Ayşe Bamyra, Hidaye Artun and Sinem Bağ	Average Element Levels of Rosehips (Rosa canina) Fruits Growing on Soils with Higher Elements Background
369	Vaclav David and Tereza Davidová	Analysis of drought events – case study for Blanice river catchment (Czech Republic)
379	Mehmet Yılmaz	Determination of Local Geoid Height With Two Different Methods: Neural Network or Surface Fitting

459	Tereza Davidova and Vaclav David	Measurement of initial soil moisture conditions for purposes of rainfall simulation experiments
506	N. Ayten Uyanik	Distribution of Natural Radioactivity from 40K radioelement in Sandikli-Suhut (Afyon) Volcanic Area
517	Feride Kulalı And İskender Akkurt	Investigation of radon concentrations in Pamukkale-Turkey
518	N. Ayten Uyanik	Radiometric Analysis of some rock samples in Afyon Region (Turkey)
519	N. Ayten Uyanik	Radiation dose Estimation: An in vitro Measurement for Isparta-Turkey
539	Nasser Hosseini	Investigation Of Input Energy Efficiency In Corn (Ksc704) Farming In Khoy City,Iran

Stream-5: Engineering Sciences and Applications

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51	Remzi Tuntas and Burak Dikici	Prediction of corrosion susceptibilities of Al based metal matrix composites reinforced with SiC particles using artificial neural network
81	Benterki Smail, Bousbaa Chabane and Laouar Naamane	Light scattering study by eroded glass surfaces
85	Salim Kasim	A study and Investigation for the selection of Optimum Main Suspension Damper to Improve Passenger Car Ride Comfort.
93	A. Burak Öncül, Erhan Ergun and Recai Oktas	A New Turkish Text to Speech Program That Works With Hybrid Algorithm
105	Remzi Tuntas	The Modeling and Hardware Implementation of Semiconductor Circuit Elements by Using ANN and FPGA
106	D. M. Dewaikar, S. P. Halande and B. G. Mohapatro	A New Hyperbolic p-y Curve for Laterally Loaded Short Piles in Stiff Clay
115	Merakeb Nouredine	Study of the structural evolution and wear resistance of boronised layers in the ordinary steels
134	Murat Ozsoy and Mehmet Kutay Pehlivan	Computer Aided Structural Analysis of a Tie Rod end
136	A. Burak Öncül, Erhan Ergün and Recai Oktaş	Turkish Locale And Related Software Problems
156	Ahmed Omami and Saleh Amaitik	A Knowledge-base System for Feature-based Process Planning According to ISO 10303
182	Asmâa Mostefai, Ali Rahmouni and Safia Taleb	A DFT study of the Halogenation reaction of glutacanaldehyde benzoyl ester: Application of the static and dynamic approaches of the chemical reactivity
192	Mohd Zamri Zainon, Nik Nazri Nik Ghazali and Rahizar Ramli	Behavior of Flow Patterns and Void Fractions in a Vertical Channel of Gas-Liquid Two-Phase Flow During Disastorous Impacts
193	Nadia Benhalima, Abd-el-kader Chouaih and Fodil Hamzaoui	AB INITIO HF AND DFT INVESTIGATION OF VIBRATIONAL SPECTROSCOPY OF N,N-Dimethyl-4-[(2-pyridyl)diazenyl]- Aniline
204	Hatice Vural, Ibrahim Uçar and Ebru Küçük	A mixed experimental and theoretical study on chelidamate copper (II) complexes
221	Landa Khabat, Nawa Shorsh and Sarbast Rasheed	Smart House
228	Fisnik Aliaj, Naim Sylva and Sefer Avdiaj	Modeling the nitrogen concentration profile in precipitation layer of gas nitrided 17CrMoV10 steel
262	Guezzen Brahim and Didi Mohamed Amine	Solvent extraction of cadmium (II) in nitrate medium by quarternary ammonium-based ionic liquids
306	Nurmin Bolong, Chua Yin Yee, Ismail Saad and Abu Zahrim Yaser	Oil Palm Empty Fruit Bunches (OPEFB) As Filtration Media To Treat Urban Stormwater

319	Güray Tonguç, İsmail Hakkı AkÇay and Habib Gürbüz	Informing to the driver of other vehicles about conditions of adverse driving to determined by the scenarios developed according to the floating car data
361	Mahir Uzun	STRESS ANALYSIS OF NEW TYPE CURVED INVOLUTE TOOTH PROFILE
375	Nurmin Bolong, D.Haniza A.Patra, Ismail Saad and Sazmal Effendi Arshad	Geopolymer Ceramic from Local Sabah Clay for Water Filtration
378	Murat Ozsoy, Mehmet Kutay Pehlivan, Mehmet Fırat, Umit Kocabaçak and Vahdet Uçar	Structural Strength and Fatigue Life Calculation of Y32 Bogie Frame by Finite Element Method
401	Aysun Egrisogut Tiryaki, Recep Kozan and Nurettin Gökhan Adar	Prediction of Sheet Drawing Characteristics with Square Drawbead Elements Using Response Surface Methodology
407	Umme Zakia	Design and Comparison of 1st order and 2nd order Analog Delta Sigma Modulators
414	Toufik Smail, Salah Hanfoug, Hocine Belmili and Mohamed Labadi	Voltage Comparator with Rail-To-Rail Input Common-Mode Range In CMOS Technology 0.25µm
425	Selçuk Özmen	Assessment of Management Transfer of Düzce Irrigation Association
428	Thamer Al-Rousan	Open Source Versus Agile and Plan-Driven Approaches: Towards Successful Web Project Development
431	Hamza Kahina, Touati Abdelkader, Ait Yahia Ahmed and Moulay Saad	Kinetic study of the 1-3dipolar cycloaddition reaction between C, N-diphénylnitrone and acrylonitril in the microemulsion
468	Hamza Akroum, Abderrazak Aibeche and Madjid Kidouche	Sensorless Rotor Field Oriented Control Using Sliding Mode Speed Observer: Experimental Results using dSPACE DSP DS1104
484	Feyza Akarşlan	Investigation on Fire Retardancy Properties of Boric Acid Doped Textile Materials
485	Feyza Akarşlan and Özcan Altınay	Investigation on Water Retention Properties of Boric Acid Doped Textile Surfaces
486	Feyza Akarşlan and Hilal Demiralay	Investigation of Textile Materials Harmful to Human Health
499	Ali Asghar Abbasi and Seyyed Masood Hosseini Sarvari	Inverse estimation of absorption coefficient in absorbing, emitting, non-scattering media as a function of temprature
516	Ghellal Kamel and Ouali Mohammed	CONTRIBUTION IN THE DYNAMICS OF A BIPED ROBOT WALKING
523	Raushan Nurdillayeva, Abduali Bayeshov, Akkongyr Zhylysbayeva	Electrochemical Methods in Wastewater Treatment
525	SS Yegeubayeva, AB Bayeshov, AK Bayeshova	The formation EMF between graphite electrodes "quinone-hydroquinone" in system of aqueous solutions
526	M. El-Shorbagy, Z.M. Hendawy, A. El-Sawy	Combining trust region and particle swarm optimization for multi-objective optimization
527	Saliha Allata, Lynda Boutektrabt	Application of traceability and food safety management system (HACCP) according to the ISO 22000 standard requirements for industrial processing of ice cream: A case study
528	AS Kadirbayeva, AB Baeshow	LAWS OF DISSOLUTION OF COPPER ELECTRODES POLARIZED BY THE ALTERNATING CURRENT IN SOLUTION OF POTASSIUM IODIDE
529	Amalou Djamel	Valorization of winemakin by products
530	Seyed Hossein Kabiri	A queuing theory approach to model stochastic cellular manufacturing problem and solving with meta-heuristic methods
532	Dr. Abdullateef A. Jadallah Dr. Dhari Y. Mahmood Zaid A. Abdulqader	Modeling and Simulation of Photovoltaic Module for Different Operating regimes
534	H. Choufa and M. Nezar	Interest of the thermal signatures in the diagnosis of defects
535	B.E. Myrzabekov, N.Z. Ivanov, A.B. Bayeshov	Method of development of compositional sulfur-graphyte electrode
536	Rizgar Weli, Mohammed Ibrahim, Mahde Molan	Effect of Nozzle Diameter on Steam Ejector Performance

537	Makpal Zhartybayeva, Kazizat Iskakov	The interpretation of the radargrams on the base of experimental data and mathematical modeling
538	Makpal Zhartybayeva, Kazizat Iskakov, Zhanar Oralbekova	Research the optimization method for solving the inverse geoelectric problem
541	Şemsettin Kılınçarslan	Investigation Of Heavy Concretes Produced By Heavy Artificial Aggregates
546	Hamad Hazim and Bernard Rousselet	Analytical solutions of nonlinear mechanical systems with a unilateral elastic contact - An asymptotic approach
549	Idriss Goual, M.K. Gueddouda, Mohamed Sayeh Goual, Saïd Taïbi, Nabil Abou-Bekr And Ahmida Ferhat	Behaviour on drying-wetting paths of unsaturated tuff- limestone sand mixture
550	Ali Reza Tahavvor, Saeed Hosseini, Behnam Amiri	Numerical Study of Ra Number and Eccentricity Effect on Free Convection Fluid Flow and Heat Transfer of Annulus
551	Ali Reza Tahavvor, Saeed Hosseini, Behnam Amiri	Numerical Study of the Effect of Square Coil-Inserts on Heat Transfer and Pressure Drop of Tubes
553	Alena Upolovnikova, Vladimir Chumarev	OXIDATION OF EUTECTIC NB-SI ALLOY DOPED WITH BORON
554	Sedat SERT	Settlement Problems of Buildings Partially Built on Filling at the Slope

Stream-6: Material Sciences and Applications

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8	Menasri Nouredine, Bouchoucha Ali and Zaoui Moussa	Characterizations of bearings wear of a gear unit DMGH 25.4 of horizontal cement mill.
22	Zaoui Moussa and Menasri Nouredine	Measurement of residual stresses by the neutron diffraction Technique in a welded joint
27	Zohra Zerrougui	A Broadband Characterization of BaM Thin Film Using Coplanar Line
31	Metin Davraz	The Effect of Boron Compound to Cement Hydration and Controllability of This Effect
36	Mohamed El Hadi Bourahli	THE EFFECT OF SURFACE TREATMENT OF THE FIBERS ON THE MECHANICAL PROPRIETIES OF COMPOSITES POLYESTER –DISS FIBERS
40	Khelîfatî Nabil, Boucheham Abdelghani, Palahouane Baya and Bouhafis Djoudi	Semi-empirical method to extract minority carrier bulk lifetime and Surface Recombination Velocity in P-type multicristallines silicon wafers from QSSPC measurements
45	Chafiaa Yaddaden	A sensitive nonenzymatic H ₂ O ₂ sensor based on silicon nanowires
48	Abdelmalek Elhadi and Ali Bouchoucha	Evolution of the coefficient of friction of the couples of revolving materials dry C35/C55 and C45/C55 according to hardening and tempering
58	Choumane Fatima Zohra and Benguella Belkacem	An experimental design approach to optimise the experimental parameters for pollutant removal from aqueous solution by adsorption
62	Ouali Mohammed, Bouhedma Sofiane and Mahieddine Ali	Dynamic behavior of a piezoelectric bimorph
73	İskender Akkurt, Serpil Emikönel, Feyza Akarslan, Kadir Günoğlu, Şemsettin Kılınçarslan, İ. Serkan Üncü	Barite Effect on Radiation Shielding Properties of Cotton-polyester Fabric
74	Neslihan Özsoy, Murat Özsoy and Abdullah Mimaroğlu	Influence of Parameters on Tribological Behaviour of E- Glass Fiber Reinforced Epoxy Composites
75	Seçil Ekşi and Kenan Genel	Three Point Bending Behavior of Woven Glass, Aramide and Carbon Fiber Reinforced Hybrid Composite Tube

76	Bashkim Thaçi and Salih Gashi	The Heterogeneous Reverse Osmosis Membranes based Separation of Fluorides with fly ash pretreatment
83	P. Alves, R. Cardoso, T. Valente, I. J. Correia and Paula Ferreira	Improving haemocompatibility of a polyurethane surface: grafting by plasma and UV light
84	Ammar Bouguerra and Rebiha Labbani	Simulation of carbon ions interactions with mono-crystalline silicon targets
91	Paula Ferreira, Álvaro Carvalho, Tiago Correia, Ilídio Correia and Patrícia Alves	Improvement of hydrophilicity and enhanced the bactericidal activity of polydimethylsiloxane surfaces for biomedical applications
97	Murat Isik, Murat Arslanoglu, Alimurteza Rutci and Fatih Çağırkaya	Failure analysis of a lower wishbone
103	Hocine Khelifa, Rahmani Mohamed and Yousfi Ahmed	Numerical study of damage protective layers mechanisms in thermal barrier system for aeronautical turbine blade.
104	Zineb Hamlati, Warda Laslouni, Mohamed Azzaz, David Martínez-Blanco, Jesus. A Blanco and Pedro Gorria	Phase Transformations during Mechanical Alloying of Fe–26% Al–2% Sn
109	Alper Akkaya and Nurdan Pazarlioglu	A New Product Shortens Bleeding Time: Alginate Immobilized Thrombin
117	Sebahattin Kirtay	Improvement in Oxidation Resistance of Mild Steel by SiO ₂ -Al ₂ O ₃ Sol Gel Coating
126	Yılmaz Gür	Manufacturing of a Hand Bone Structure from CT Scan Data by Using 3D FDM Desktop Printer
127	Zerroug Samir, Ali Sahraoui Ferhat and Beldjoudi Karim	Pressure effect on the structural and electronic properties of ternary alloy Cd _{1-x} MnxTe
129	Ali Sahraoui Ferhat, Beldjoudi Karim, Zerroug Samir and Louail Layachi	First-principles study of structural, elastic and thermodynamic properties of Mg ₂ X(Si, Ge) under pressure effect
130	Beldjoudi Karim, Ali Sahraoui Ferhat, Zerroug Samir and Louail Layachi	Pressure Effect on the structural, elastic and thermodynamic properties of OsC ₂
142	Mohamed Djeghdjough, Nacer Eddine Bacha and Nacer Dilmli	Effect of Substrate Preheating, Roughness and Particles Size on Splat Morphology of Thermal Sprayed Coatings
146	Aliye Arabacı and Ozgün Serin	Characteristics of Samaria-doped Ceria Prepared by Pechini Method
157	Bulent Buyuk, A. Beril Tugrul, Meral Cengiz, Onuralp Yucel, Gultekin Goller and Filiz C. Sahin	Radiation Shielding Properties of Spark Plasma Sintered Boron Carbide-Aluminum Composites
162	Mehmet Ustundag, Metin Aslan and Battal G Yalcin	Band Gap Calculations of Ternary InN _{0.03125} P _{0.96875} Alloy for Dilute Nitride Composition
167	Osman Sahin, Suleyman Uzunoglu and Emine Sahin	Influence of Pd Addition of CoCrMo biomedical alloys on the microhardness behaviour
180	Benkara Salima, Ghamri Houda and Rechem Djamil	Structural and morphology of undoped and tin-doped ZnO-TiO ₂ nanocomposite prepared by two-step route and its properties as gas sensor
201	Patrícia Alves, Ayelen Hugo, Elizabeth Tymczyszyn, André Ferreira, Pablo Pérez, Jorge Coelho, Pedro Simões and Andrea Gómez-Zavaglia	Preparation and Characterization of Polymer-Liposome Complexes of Soybean Lecithin and Poly(N,N-dimethylaminoethyl methacrylate) for Drug Delivery
202	Nadjet Taoualit, Nawel Chachi and Djamel-Eddine Hadj-Boussaad	Abatement of copper releases surfaces treatment using a liquid-membrane-gel
203	Laslouni Ouarda, Hamlati Zineb and Azzaz Mohamed	Magnetic properties and resistivity measurement of nanocrystalline Cu ₇₀ Fe ₁₈ Co ₁₂ alloys
226	Houda Ghamri, Yassine Djaballah, Aissa Belgacem-Bouzida and Aissam Hidoussi	Phase diagram and thermodynamic properties of the holmium-tellurium system by CALPHAD modeling
244	Zahra Dembahri, Farida Benmouna, Mustapha Benmouna and Christian Rolando	MICROFLUIDIC AND SEPARATION PREOPERTIES OF METHACRYLATE BASED MONOLITHIC COLUMNS

249	Anil Bodur, Siddika Gamze Erzençin and Sabriye Perçin Özkorucuklu	Adsorption Mechanisms of Polycarboxylate-type Cement Superplasticizers
278	Khalida Boutemak, Nadjet Taoualit and Assia Bouchakour Moussa	Physico-chemical characterization of olive stones for application to the biosorption of heavy metals
279	Chemat-Djenni Zoubida, Lazhar Mouloud and Bouda Abderrahmane	Study on removal of humic acids hydroxide layered double (Mg-Al-HDL)
293	Chebout Katia and Gabouze Nouredine	NANOSTRUCTURED VANADIUM PENTOXIDE V ₂ O ₅ THIN FILMS FOR GAS SENSOR APPLICATIONS.
294	Hayriye Hale Solak and Remzi Gemci	Glass Fiber Powder Reinforced Melamine Composites For Construction and Building
307	Zaoui Fatiha, Mohamed Amine Didi, Didier Villemin and Nathalie Bar	PEI on silica as catalyst in Knoevenagel and Michael reactions
325	Messouda Belouadah, Zine Elabidine Rahmouni and Nadia Tebbal	mechanical properties of concrete with glass powder exposed to high temperature
331	Nalan Çiçek Bezir and Aydın Kamil Erdem	Characterization of ITO Thin Films Prepared by Magnetron Sputtering DC System
332	Nalan Çiçek Bezir, Gülten Onay and Sabriye Perçin Özkorucuklu	Characterization and Production of TiO ₂ and Dye Doped TiO ₂ Thin Films by Electrochemical Deposition Method
340	Hfaidia Fatima, Mohammedi Djelloul, Rehamnia Rabah and Bensalem Rachid	ROLE OF COMPLEXING AGENTS ON Zn-Ni ALLOY ELECTRODEPOSITION FROM ALKALINE MEDIUM BATH
341	Guergueb Ouassila, Bensalem Rachid, Salhi Abdelhamid, Alleg Safia, Rehamnia Rabah, Bououdina Mohamed and SuNol J.J.	STRUCTURE AND MICROSTRUCTURE PROPERTIES OF BALL MILLED Fe-Zn
347	İbrahim Özbek, Aydın Karabulut and Murat Sari	COMPARISON OF SURFACE PROPERTIES OF PLASMA NITRIDED PURE TI AND TI-6AL-4V ALLOY
354	Nalan Çiçek Bezir, Atilla Evcin and Ayşe Oktay	Characteristic properties of Dy-Eu-Ag codoped TiO ₂ Nanoparticles Prepared by Electrospinning Processes
358	Özge Tüzün Özmen	PCBM concentration dependences of the electrical parameters in Au/P3HT:PCBM/n-Si (MPS) Schottky barrier diodes
359	Engin Yağlıoğlu and Özge Tüzün Özmen	Effects of F4-TCNQ concentration on current-voltage characteristics of Au/P3HT:PCBM:F4-TCNQ/n-Si structures
362	Karima Boudhar and Mahdi Debieche	Elastic behaviour of KAlF ₄ in the vicinity of the martensitic phase transition
393	Kahina Lasmi, Sabrina Sam and Nouredine Gabouze	Sub-micron silicon pyramid arrays by electrochemical etching
395	Nadjet Taoualit, Khalida Boutemak and Assia Bouchakourmoussa	Biosorption of copper on olive pomace
396	Nazan Yilmaz and Özcan Köysüren	Synthesis of Mesoporous Superparamagnetic Silica Nanoparticles
402	Boukennous Yacine	Synthesis of Silver Paste for Solar Cells Metallization
408	El Amrani Abdelkader, Bekhtari Abdelmallek, El Kachai Assia, Menari Hamid, Mahiou Linda and Maoudj Mohamed	Optimal deposition parameters of silicon nitride for solar cells
415	Benguergoura Hassiba and Moulay Saâd	anion exchange membranes based on crosslinked and quaternized styrene butadiene rubber
416	Tuna Aydın	Ceramic insulation materials based on red mud
417	Husnu Salih Guder, Orhan Uzun, Emine Sahin, Osman Sahin, Malgorzata Sopicka-Lizer, Hasan Gocmez and Ekrem Artunc	Preparation of fine-grained silicon-nitride ceramics and their characterization by depth-sensing indentation tests

418	Osman Sahin, Selma Ozarslan and Emine Sahin	Analysis of Step load unload data measured by nanoindentation of Biodegradable WE43 Magnesium Alloy produced by mechanical alloying
461	Nabila Redjdal	Effect of nitrogen ratio on the stress, texture and optical properties of AlN thin films grown by performed configuration DC reactive magnetron sputtering
462	Nabila Redjdal	Impact of palladium under-layer on optical properties of AlN thin films grown by DC magnetron sputtering
478	Jose Julio Gutierrez Moreno	On the design of Biocompatible Ti-Nb-X (X= Sn, In, Hf) alloys from ab initio calculations
487	Tuna Aydın and Nazım Kunduracı	Need-like mullite coated electroporcelain surfaces to obtain superhydrophobic effect
503	İsmail Hakkı Karahan and Rasim Özdemir	A comparison of genetic programming and neural networks; new formulations for Grain Size Calculation of Cu-Zn alloys
504	İsmail Hakkı Karahan	Study of the effect of boric acid on ZnCo alloy electrodeposition from acid baths and on the composition, morphology, and structure of the deposit
520	Serpil Emikönel	Radiation Shielding Properties of Barite Coated Tericoton Fabric at 662 keV
547	S. H. Sedani, M. Karaman, Ö. Tüzün Özmen, R. Turan	Effective Parameters in Solid Phase Crystallization Quality & Quantity for a-Si Films Deposited by e-Beam Evaporator
548	S. H. SedanI, M. Karaman, Ö. Tüzün Özmen, R. Turan	Boron Dopant Effect in Solid Phase Crystallization of a-Si Films Deposited by Effusion Cell Equipped e-Beam Evaporator

Stream-7: Biological and Medical Science and Applicatons

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33	İskender Akkurt, R.Banu Ermiş, Pınar Baş and Kadir Günoğlu	Radioactivity Measurement on Some Dental Resin Composites
44	Nabiha Azizi	A Semi supervised Learning based on S3VM Algorithm with pool of features: Application to Digital Mammogram images Classification
137	Hatice BaŞ, Dilek Pandir, Suna Kalender, Fatma Gökçe Apaydin and Yusuf Kalender	Preventive Effect of Lycopene on Furan Induced Oxidative Damage in Diabetic Rat Brain
138	Suna Kalender, Dilek Pandir, Hatice BaŞ and Fatma Gökçe Apaydin	Furan Induced DNA Damage in Rat Lung: Protective Role of Lycopene
139	Suna Kalender, Fatma Gökçe Apaydin, Hatice BaŞ, Dilek Pandir and Yusuf Kalender	Lead Nitrate and Mercury Chloride Induced DNA Damage and Oxidative Stress in Rat Erythrocytes and Leucocytes
168	Osman Sahin, Suleyman Uzunoglu and Emine Sahin	Mechanical characterization of CoCrMo alloys consisting different Palladium ratios produced by investment casting method
189	Hülya Altuntaş	Effects of Ethephon on the Hemolymph Metabolites of the Greater Wax Moth Galleria mellonella L. (Lepidoptera: Pyralidae)
266	Khalida Boutemak, Bouchra Safta and Nabila Ayachi	Study of the anti-inflammatory activity of flavonic extract of globularia alypum L.
290	Zumrut Biber Müftüleri, Emine Dervis, Buse Cetkin, Volkan Tekin, Ayfer Yurt Kilcar and Perihan Unak	Radiochromatographic Determination of ¹³¹ I Labeled Eugenol

297	Ozge Kozgus Guldu, Perihan Unak, E. Ilker Medine, Dilek Odaci Demirkol, Suna Timur and Serap Evran	Radioiodinated Green Fluorescence Proteins conjugated Magnetic Nanoparticles for In Vitro Applications
308	Sifi Ibrahim, El-Houiti Fatiha and Ouinten Mohamed	Application of essential oils of Mentha piperita against four phytopathogenic fungi (Fusarium spp)
316	Kebour Djamila, Boutekrabbt Ammar and Mekademi Karima	Fertilization effect based solid fertilizer "DERMAZOTO N11" on a driving under pepper cultivation in greenhouse drip irrigation drop.
343	Doumandji Amel, Doumandji Soumeiya and Alili Dahmane	Extension use of nutritrional properties of spirulina by encapsulation
404	Ihcen Khacheba, Mohamed Yousfi and Abdelkarim Kameli	Evaluation of the inhibitory activity of natural extracts from spontaneous plant on the α - amylase and α – glucosidase and their antioxidant activities
413	Hadjer Boussoussa, Ihcen Khacheba and Mohamed Yousfi	α -Glucosidase and α -amylase inhibitory activity of Algerian Rhanterium adpressum phenolic extracts and their antioxidant activity
420	Malgorzata Ferenc, Jean-Pierre Majoral, Abdelkrim El Kadib and Maria Bryszewska	Interactions between mesoporous silica nanoparticles and human serum albumin.
429	Aleksandra Szulc, Dietmar Appelhans, Brigitte Voit, Maria Bryszewska and Barbara Klajnert-Maculewicz	Maltose-modified poly(propylene imine) dendrimers as anti-cancer nucleoside analogs delivery devices in leukemia cells
432	Ait Yahia Ahmed, Hamza Kahina, Benabdelkader Tarek and Touati Abd El Kader	The contribution of anionic, cationic and nonionic surfactants on the extraction of essential oil from a wild plant "rutamontana L."
433	Tarek Benabdelkader, Hamza Kahina, Ait Yahia Ahmed and Touati Abd El Kader	contribution to the phytochemical and biologique study of spontaneous plant "rutamontana l." of the region "hammam melouane"-algiers.
434	Ighili Nassima, Ait Yahia Ahmed, Ben Abdelkader Tarek, Hamza Kahina, Touati Abdelkader and Lahrech Mokhtar Boualem	Extraction and antimicrobioal effect of the essential oil of Juniperus phoenicea of Algeria
440	Riyadh Muhaidat, Mahmoud Al-Qudah, Omar Sameer and Emad Hussein	Phytochemical investigation and in vitro antibacterial activity of essential oils from Cleome droserifolia (Forssk.) Delile and C. trinervia Fresen. (Cleomaceae)
445	Umit Kara	The Measurement of Gamma Dose in Radiotherapy Unit
447	Umit Kara	Photoneutron Dose Measurement in Radiotherapy Room
449	Umit Kara, H.Ozan Tekin and İskender Akkurt	Radiation Protection in Pet Room
450	İskender Akkurt, Umit Kara and Asghar Mesbahi	Monte Carlo Simulation of Photoneutron Dose in Radiotherapy Room as A Function of Gantry Angles
505	Hilal Demiralay, Feyza Akarlan and Ferhat Güngör	Level of Knowledge about Former Disease Terminology and Medical Terms of Medicine Faculty Students
522	Fatima M'zyene, KheirEddine Bal, Saad Moulay	preparation and characterization of chitosan/hydroxyapatite / β -cyclodextrin micro/nano particle hybrids as vectors for photosensitizers (porphyrins or chlorins) and antibiotics
531	F.Zahra CHEMINGUI, Hamid LADJEL, Fatima BENRACHI, M.Salah BALI	Monte carlo simulation on 4D phantoms in radiation therapy
533	Aicha Benahmed-Bouhafsoun, Hind Djebbar, Meriem Kaid-Harche	Determination of polyphenolic compounds of Washingtonia robusta H Wendl Extracts
540	W. Saqqa, Kh. Aiedeh, M. Mosleh	Evaluation of Jordanian Bentonite as Disintegrant in Tablets Formulations