

SCIENTIFIC PROGRAMME OF ICCESEN-2016

19 October 2016-Wednesday

11.00-12.30	REGISTRATION-CHECK IN
12.30-13.30	LUNCH
14.00-16.30	REGISTRATION-CHECK IN
16.30	WELCOME COCTAIL
19.30	DINNER

20 October 2016-Thursday

09.30-09.45	Room 1: Opening Ceremony					
	Chair: Prof.Dr. İskender AKKURT					
09.45-10.45	Invited Speaker 1: Prof.Dr. Hamdi Şükür KILIÇ Selçuk University, Konya-TURKEY Invited Speaker 2: Dr. Ken LEDINGHAM Glasgow Strtyclide Physics Dep. Scotland-UK Invited Speaker 3: Prof.Dr. Jenny LEUNG- The Chinese University of Hong Kong-China					
10.45-11.15	Group Photo and COFFE BREAK (Poster Session)					
Session 1 11.15-12.30	Room 1 (Theme 1)	Room 2 (Theme 2)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Dr. Fatima Benrachi	Session chair: Dr. Beyza Billur İskender Eroğlu	Session chair: Dr. Zuhale ER	Session chair: Dr. Mouloud Challal	Session chair: Dr. Azeez Barzinjy	Session chair: Dr. Fatma Gode
	Abstract # 24-126-139-141-142-817	Abstract # 51-160-219-811	Abstract # 48-61-79-163-170-356	Abstract # 4-6-7-8-123	Abstract # 386-387-393	Abstract # 25-94-110-158-173
12.30-14.00	LUNCH (Poster Session)					
Session 2 14.00-15.45	Room 1 (Theme 1)	Room 2 (Theme 2)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Prof.Dr. A. Beril Tuğrul	Session chair: Dr. Abdeen Omer	Session chair: Dr. Rabi Karaali	Session chair: Dr. Razika Zamoum Boushaki	Session chair: Dr.Serkan Üncü	Session chair: Dr. Nor Farid Mohd
	Abstract # 243-245-290-291-312-314	Abstract # 220-273-288-307-369-812	Abstract # 101-105-144-187-197	Abstract # 18-23-55-66-69-186	Abstract # 373-481-496-502-503	Abstract # 184-185-188-189-306
15.45-16.00	COFFE BREAK (Poster Session)					
Session 3 16.00-18.00	Room 1 (Theme 1)	Room 2 (Theme 2)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Dr. Mansour H. Almatarneh	Session chair: Dr. Necla Gunduz	Session chair: Dr. Zuhale ER	Session chair: Dr.Abdelmadjid Recioui	Session chair: Dr. Mouloud Challal	Session chair: Dr.Abdulkader Al-Hadithi
	Abstract # 315-316-379-419-431-460-473-482-	Abstract # 521-522-533-572-573-761-762-763	Abstract # 211-216-263-274-319-335-362	Abstract # 104-115-122-129-130-418	Abstract # 551-570-571-577-581-589	Abstract # 212-223-255-258-259-261-357-509
19.30	DINNER					

POSTERS LIST

Theme 1: 12-19-30-42-96-99-109-154-222-320-327-364-385-406-409-420-452-466-467-488-493-519-591-650-652-663-666-667-673-686-687-691-697-698-707-712-745-753-755-757-767-771-793-797-798-819

Theme 2: 381-485-525-810-820

Theme 3: 235-236-239-240-260-360-415-464-495-507-600-609-610-634-645-660-675-723-785-789-794-821

Theme 4: 334

Theme 5: 5-124-554

Theme 6: 107-152-250-304-416

21 October 2016-Friday

09.30-11.00	Room 1:					
	Chair: Prof.Dr. Hamdi Şükür KILIÇ Selçuk University, Konya-TURKEY					
	Invited Speaker 4: Dr. Al-Amin BHUIYAN – King Faisal University AlAhssa, Saudi Arabia Invited Speaker 5: Dr. Maria-Ana POPOVICI-- Politehnica University, Bucharest-ROMANIA Invited Speaker 6: Dr Mitra DJAMAL-High Energy Physics, Institut Teknologi Bandung-INDONESIA					
11.00-11.15	COFFE BREAK (Poster Session)					
Session 4 11.15-12.30	Room 1 (Theme 1)	Room 2 (Theme 2)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	
	Session chair: Dr. Çiğdem Yüksektepe Ataol	Session chair: Dr. Vilda Purutçuoğlu	Session chair: Dr.	Session chair: Prof. Dr. Mustafa GÜnal	Session chair: Dr. Şemsettin Kılınçarslan	
	Abstract # 487-491-492-618-	Abstract # 213-583-654-655-657-731	Abstract # 438-465-531-555	Abstract # 132-133-155-463-504	Abstract # 92-557-623-642	
12.30-14.00	LUNCH (Poster Session)					
14.00-19.30	FREE TIME					
19.30	DINNER					

POSTERS LIST

Theme 5: 35-41-50-74-75-91-106-125-156-166-201-202-298-299-308-382-427-428-437-520-541-594-641-653-735-752-779-814-815-816

Theme 6: 10-39-43-49-56-57-58-62-70-71-72-82-87-89-95-112-113-134-150-161-167-172-174-176-179-190-191-193-194-199-205-217-228-229-237-257-283-569-619-625-656

Theme 7: 329-404

22 October 2016-Saturday

09.30-11.00	Room 1:					
	Chair: Dr Mitra Djamal---Theoretical High Energy Physics and Instr. Res. Institut Teknologi Bandung-INDONESIA					
	Invited Speaker 7: Prof.Dr. Amir HUSSAIN – University of Stirling, School of Natural Science, Scotland-UK Invited Speaker 8: Prof.Dr. Gerhard-Wilhelm WEBER---Institute of Applied Mathematics, METU, Ankara, Turkey Invited Speaker 9: Prof.Dr. H. Mustafa ERAVCI – Yıldırım Beyazıt University, Ankara TURKEY					
11.00-11.15	COFFE BREAK (Poster Session)					
Session 5 11.15-12.30	Room 1 (Theme 1)	Room 2 (Theme 11)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Dr. Berin Belma Sirvanli	Session chair: Dr.Samia Aitouche	Session chair: Dr.	Session chair: Dr. Marcin Kowalczyk	Session chair: Dr. Nabi Ibadov	Session chair: Dr. Özge Tüzün Özmen
	Abstract # 635-651-664-674-693-782	Abstract # 765-76-78-376-553-564-627-809	Abstract # 704-732-742-746-760	Abstract # 157-164-195-196-256	Abstract # 192-643-661-662-198	Abstract # 389-433-434-439-440
12.30-14.00	LUNCH (Poster Session)					
Session 6 14.00-15.45	Room 1 (Theme 1)	Room 2 (Theme 7)	Room 3 (Theme 3)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Dr. Melek Gökmen Karakaya	Session chair: Dr. Khedidja Benarous	Session chair: Dr. Braikia Mohamed	Session chair: Dr. Kaddour Mouattah	Session chair: Dr. Betül Çetin	Session chair: Prof.Dr. Nazim Ucar
	Abstract # 716-754-756-772-773-544-790-791	Abstract # 15-16-53-54-102-443	Abstract # 401-621-593-626-730-	Abstract # 200-203-242-246-249-254	Abstract # 403-514-705-718-719-788-608-631	Abstract # 470-486-518-526
15.45-16.00	COFFE BREAK (Poster Session)					
Session 7 16.00-18.00	Room 1 (Theme 9)	Room 2 (Theme 7)	Room 3 (Theme 8)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
	Session chair: Dr. Hanane Maadid	Session chair: Dr. Zulezwyan Ab Malik	Session chair: Dr.Athitaya Nitchot	Session chair: Dr. Özge Özmen	Session chair: Dr. Khelil Ali	Session chair: Dr. Nor Farid Mohd
	Abstract # 517-532-535-537-548-624-80-81-563	Abstract # 226- 227-232-345-513	Abstract # 294-585-669-720-783	Abstract # 264-265-266-272-275-276-278-281	Abstract # 441-442-471-494-512-527-818-822	Abstract # 565-575-576-703-770-774
19.30	DINNER (Gala Dinner)					

POSTERS LIST

Theme 1: 547-616-681-696-823

Theme 4: 230-637-692

Theme 5: 279-545-546-552-579-580-636

Theme 6: 178-225-280-285-287-295-311-318-338-339-341-346-366-368-371-372-374-375-391-430-435-436-445-447-453-454-455-456-468-483-484-508-538-539-540-542-558-566-568-598-599-659-676-677-699-737-740-769-786-787-795-796

Theme 7: -93-103-414-801-802-803-804

Theme 9: 136-169-224-424-490-534-622

Theme 11: 310-648

Theme 13: 596

23 October 2016-Sunday

	Room 1:					
09.30-11.00	Chair: Dr. Maria-Ana POPOVICI-- Politehnica University, Bucharest-ROMANIA					
	Invited Speaker 10: Prof.Dr Madjid FATHI ---Department of EECS University of Siegen-Germany Invited Speaker 11: Prof.Dr. Oleg BURDAKOV -- Department of Mathematics, Linkoping University, Sweden Invited Speaker 12: Prof.Dr. Ibrahim DİNÇER -- University of Ontario of Tehnology (UOIT)-Canada					
11.00-11.15	COFFE BREAK (Poster Session)					
Session 8 11.15-12.30		Room 2 (Theme 7)	Room 3 (Theme 10)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
		Session chair: Dr. Rami Alkhatib	Session chair: Dr. Fadila Djouadi Belkada	Session chair: Dr. Elvedin Kljuno	Session chair: Dr. Metin Davraz	Session chair: Dr.Jebreel Khoshman
		Abstract # 432-446-449-450	Abstract # 34-177-215-399-408	Abstract # 292-296-301-303-807-808	Abstract # 729-734-738-743-758-759	Abstract # 582-592-602-603-604-688
12.30-14.00	LUNCH (Poster Session)					
Session 9 14.00-15.45		Room 2 (Theme 7)	Room 3 (Theme 4)	Room 4 (Theme 5)	Room 5 (Theme 5)	Room 6 (Theme 6)
		Session chair: Dr. Arslan Say	Session chair: Prof.Dr. Nafa Zahreddine	Session chair: Dr. Kaci Samira	Session chair: Dr. Özge T. Özmen	Session chair: Dr.Hizia Bellakehal
		Abstract # 458-459-477-516-528	Abstract # 100-120-121-210-444-678	Abstract # 305-351-805-806	Abstract # 313-325-340-347-348-777-778	Abstract # 689-690-713-715-722-792
15.45-16.00	COFFE BREAK (Poster Session)					
Session 10 16.00-18.00		Room 2 (Theme 7)	Room 3 (Theme 4)	Room 4 (Theme 15)	Room 5 (Theme 5)	Room 6 (Theme 6)
		Session chair: Dr. Arif Ayar	Session chair: Dr. Amanullah Marri	Session chair: Dr. Thair Khyyun	Session chair: Dr. Hamida Mallem	Session chair: Dr. Nor Farid Mohd Noor
		Abstract # 605-671-685-700-768	Abstract # 578-586-710-728	Abstract # 44-60-98-116-524-607-749-750-751	Abstract # 359-361-363-378-665-668-775-776	Abstract # 342-395-421-422-425-536-543
19.30	DINNER					

POSTERS LIST

Theme 7: 31-32-33-103-171-323-413-474-475-476-497-500-501-505-529-530-611-612-615-733-741-784

Theme 10: 28-108-114-251-277-317-587-588-595-644-649-739-813

24 October 2016-Monday

09.00-11.00	CLOSING -- CHECKING OUT
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ORAL PRESENTATIONS IN ICCESEN-2016

Theme -1: Physical Science and Technology

24	Anarbay Kudaykulov, Azat Tashev, Ainur Zhumadillayeva and Makpal Nogaibayeva	The rules for a system of differential equations for estimation of heat propagation in a rod using a linear approximation by increasing the partitioning step
126	Stefanie Klein, Melek Kizaloglu, Luitpold V. R. Distel, Winfried Neuhuber and Carola Kryschi	Coated Ferrite and Co-ferrite Nanoparticles for radiation therapy
139	Mansour H. Almatarneh, Zahraa M. Ahmad and Ehab M. Al-Shamaileh	A Computational Study of the Ozonolysis of Phenanthrene
141	Abdullah Algin and Mustafa Senay	Some thermostistical properties of a deformed fermion gas
142	Melek Kizaloglu, Stefanie Klein, Carola Kryschi and Jörg König	Surface Modified Ferrite Nanoparticles Tailored For Targeted siRNA Delivery
243	Iskender Atilla Reyhancan, Alborz Ebrahimi and Mustafa Nizamettin Erduran	Treating non-linearity of an on-line coal analyzer system using experimental-library least-square method
245	Berin Belma Sirvanli	A GENERAL ANALYSIS OF THE DOUBLE LEPTON POLARIZATIONS IN DECAYS WITH TWO HIGGS DOUBLET MODEL
290	Nesuhi Akdemir	Quantum Chemical Computational Studies on Propyl 4-(3,4-dicyanophenoxy)benzoate
291	Ayşin Zülfikaroğlu	Molecular Structure, Spectroscopic and DFT Computational Studies on Isonitrosoacetophenone Benzoylhydrazone Ligand and its Ni(II) Complex
312	Betül Çalışkan and Ali Cengiz Çalışkan	Electron Paramagnetic Resonance Study of The Radiation damage in Trans-Chalcone Single Crystal
314	Betül Çalışkan and Ali Cengiz Çalışkan	Electron Paramagnetic Resonance of Gamma Irradiated Single Crystals of Succinic Acid Disodium Salt
315	Betül Çalışkan and Ali Cengiz Çalışkan	EPR Study of Gamma Irradiated 2-Aminoethyl Dihydrogen Phosphate Single Crystal
316	Betül Çalışkan and Ali Cengiz Çalışkan	Electron paramagnetic resonance study of radiation damage in sulfanilic acid single crystal
379	Mehmet Emin Korkmaz, Osman Açar and Mustafa Yiğit	Cross section calculations of neutron induced nuclear reactions for ⁵⁹ Co nucleus using different level density models
419	Yusuf Ceylan, Keziban Usta, Ayhan Usta, Yeliz Koc and Hasalettin Deligoz	Comparative study of influences of gamma rays on calix[4]arene and 25,27-di(4-nitrobenzyl)-26,28-dihydroxycalix[4]arene: EPR study
431	Canel Eke, Kursat Er, Christian Segebade and Ismail Boztosun	Photoactivation Analysis of a Mineral Trioxide Aggregate: Preliminary Results
460	Melek Gökmen Karakaya	A Study for Safe Chemical Storage in Banaz Vocational School for Accreditation
473	Melek Gökmen Karakaya	Assessment of Technical Trip to UBATAM by Chemical Technology Student: The Case of Banaz Vocational School
482	Gazmend Kabashi, Skender Kabashi, Sadik Bekteshi, Skender Ahmetaj and Ylli Kaqiu	Effects of Kosovo's Energy Use Scenarios on Air Pollutions and Modelling Air Quality from Steady-State Sources
487	Serpil Eryılmaz	Spectral characterization and computational approaches on (E)-3-(2-chlorostyryl)-5,5-dimethylcyclohex-2-enone
491	Ibrahim Bulduk and Selahattin Bozkurt	The Use of Response Surface Methodology to Optimize the Ultrasound Assisted Extraction of Galantamine from Galanthus Woronowi.
492	İrem Erk, Nesrin Altınsoy, Ş. İpek Karaaslan and Ayçin Bora	Determination of Photon Mass Attenuation Coefficient for Some Phantom Materials using GATE Monte Carlo Simulation
544	Rasim Özdemir	Effect of the applied current density on the structural and magnetic properties of the electrodeposited Cobalt-Nickel alloy thin films

618	Çiğdem YÜksektepe Ataol	Computational Chemistry Studies of 2-[[4-(3-Mesityl-3-ethylcyclobutyl)Thiazol-2-yl]-Hydrazono]-1,2-Diphenylethanol Ethanol Solvate
635	Çiğdem YÜksektepe Ataol	Theoretical Studies of Molecular Structure of 1,1'-(Propane-1,3-diyl)bis[2-(Methylsulfanyl)-1H-Benzimidazole] Dihydrate
651	Nurdan Karpuz and Betül ÇetİN	Theoretical Photoneutron Cross Sections and the Effect of Gamma Strength Functions for W, Ag, Nb Element
664	Susan Shukur Noori, İskender Akkurt and Nurdan Karpuz	Comparison Excitation Functions of Longer-Shorter Lived Radionuclides Formed by Gamma Irradiation
674	Radu Vasilache, Nilgun Demir and Maria-Ana Popovici	Efficiency calibration of intrinsic Germanium detectors by FLUKA simulation
693	Zurina Muda and Paul H. Lewis	A Users Study Experiment towards Spatial Assertion in an Annotation System
716	Çiğdem Ş. GÜÇLÜ, Ahmet Faruk ÖzdemİR and Şemsettin Altındal	A compare study on dielectric properties and ac electrical conductivity of (Au/Ti)/Al ₂ O ₃ /n-GaAs (MIS) structures with different thicknesses Al ₂ O ₃ layers as function of the frequency at room temperature.
754	Boutria Mohamed, Oussaid Rachid, Van Labek Daniel and Baida Fadi Issam	Metallic nanostructure acting as anisotropic half-wave plate
756	Zehra Nur Kuluöztürk, Nilgun Demir and Iskender Akkurt	Monte Carlo Simulation Studies of Collimator Parameters for TARLA Bremsstrahlung Facility
772	Ahmet Faruk Ozdemir, Maryam Abdolahpour Salari and Nazim Ucar	The Electrical Properties of Au/semiconductor polymer(P2MeAn)/n-GaAs Schottky barrier diodes under Hydrostatic pressure
773	Sinan Serdar Ozkan, Durmus Karayel, Gokhan Atali and Baris Boru	Prediction of Optimal Process Parameters in Joining by Forming of Sheet Metals Using Artificial Neural Network
782	Abdullah Koray, Gizem Akkaya, Ayşegül Kahraman, Gökay Kaynak and Rıdvan Baldık	The Investigation Of Radionuclide Concentrations In Soil And Lifetime Cancer Risk Due To Gamma Radioactivity In Zonguldak, Turkey
790	Qays Rwashdy, Kadir Gunoglu, Hakan Akyıldırım and Iskender Akkurt	INVESTIGATION OF RADIATION SHIELDING PROPERTIES OF SOME STEELS
791	Faez Waheed, Hakan Akyıldırım, Kadir Gunoglu and Iskender Akkurt	Investigation of Buildup factor in γ -ray measurement
817	Feride Kulali, Iskender Akkurt and Nevzat özgür	The Effect of Meteorological Parameters on Radon Concentration in Soil Gas

Theme -2:Mathematical Science and Applications

51	Ouis Amaria and Mehdi Souier	Comparative study on the encoding strategies for Job shop scheduling problem using an Artificial Bee Colony (ABC) algorithm
160	Nezam Mahdavi-Amiri and Negin Bagherpour	SOLVING POSITIVE DEFINITE TOTAL LEAST SQUARES PROBLEMS BY ORTHOGONAL DECOMPOSITIONS
213	Gökhan Adıyaman and Ahmet Birinci	The Continuous and Discontinuous Contact Problem of a Functionally Graded Layer
219	Burcu Gürbüz and Mehmet Sezer	Laguerre polynomial solutions of a class of delay partial functional differential equations with integral terms
220	Burcu Gürbüz and Mehmet Sezer	A new computational method based on Laguerre polynomials for solving certain nonlinear partial integro differential equations
273	Meryem AygÜN TekİN and Mehmet Sezer	LAGRANGE POLYNOMIAL APPROACH FOR SOLVING DELAY INTEGRO DIFFERENTIAL EQUATIONS
288	Dursun Ustundag and Mehmet Cevri	A Hybrid Algorithm for Solving Least Squares Optimization Problems
307	Vahide Bulut and Ali Calışkan	The Relationships Between Bezier Directrix Curves of Developable Ruled Surfaces
369	Beyza Billur İskender EroĞlu, Derya Avcı and Necati ÖzdemİR	Optimal Control Problem for A Conformable Fractional Heat Equation
521	Abide Tuna Aksoy and A. Ceylan Çöken	Null Quaternionic Cartan Helices in R^3
522	Abide Tuna Aksoy and A. Ceylan Çöken	On The Dual Quaternionic N_3 Slant Helices in D^4

533	Zeliha Ergul and Zehra Kamisli Ozturk	A New Mathematical Model for Multisession Exams-Building Assignment
572	Firat Evirgen	A Differential System for Constrained Optimization via Hyperbolic Penalty Function
573	Firat Evirgen	Conformable Fractional Differential System for Constrained Optimization
583	Zehra Kamilşli Öztürk and Merve Uluel	A Hybrid NSGA-II Algorithm for Multiobjective Quadratic Assignment Problems
654	Kabil Çetin, Leyla Usta and B.Gültekin Sınır	Effect of soil coefficients and Poisson's ratio on the behavior of modified Euler-Bernoulli beam lying on Winkler foundation
655	Ali Mortazavi, Kabil Çetin and B.Gültekin Sınır	Modify the Euler-Bernoulli beam theory considering the Poisson's effect
657	Leyla Usta, Duygu DÖnmez DemİR and B. Gültekin Sınır	Dynamical Analysis of the Multispan Beams with Method of Multiple Scales
731	Necla GÜndÜz, Celal Aydın, Emel Basar and Jale BallbeyoĖlu	A Comparison of Adjusted Kernel Smoothing with Classical Smoothing in terms of Mean Square Error
761	Vilda PurutçuoĖlu	Construction of Realistic Biological Networks under Stochasticity
762	Damla DokuzoĖlu and Vilda Purutcuoglu	Comprehensive Analyses of Gaussian Graphical Model under Different Biological Networks
763	Hajar Farnoudkia and Vilda PurutçuoĖlu	Acceleration of Reversible Jump Markov Chain Monte Carlo Method within Gaussian Copula Graphical Model
811	Adel Belayadi, Ahmed Mougari and Fawzia Mekideche-Chafa	Improving the recognition rate of geometric objects: using the connectionist model of wavelet neural network
812	Neslihan İyİt	Investigating Univariate and Multivariate Analysis for Repeated Measurements Data By Using General Linear Model (GLM) Approach
818	Gerhard-Wilhelm WEBER, Emel SAVKU, Sevtap KESTEL	Optimal Control in Economics Revisited under Stochastic Uncertainty, Jumps, Regime Switches and Paradigms Shifts

Theme -3: Energy and Applications

48	Rzig Ramzi, Ben Khedher Nidhal and Ben Nasrallah Sassi	Numerical simulation of the vibration effect on the drying process
61	Alper Aydemir, Aytaç Güven and Murat Çobaner	Hydropower Energy Assessment At Non-Powered Dams In Turkey By Using Genetic Programming
79	Gokhan Sahin	Effect of temperature on the capacitance of a silicon solar cell in static regime
80	Rabi Karaali and Necmi Özdemir	THERMOECONOMIC ANALYSIS OF DUAL-LEVEL BINARY GEOTHERMAL POWER PLANTS
81	Rabi Karaali and Necmi Özdemir	PERFORMANCE ANALYSIS OF POWER CYCLES USING CARBON DIOXIDE AS WORKING FLUID
101	Hasbi Apaydın, Altan Kalay and Numan Sabit Cetin	Use of Wind Energy Generated by Moving in Electrical Vehicles and Increase of the Efficiency
105	Mounir Aouadj, Mohamed Bennai, Abdelbaki Bezai and Zakaria Hezil	Gas turbines upgrade by the Dry Low NOX (DLN) system (Case study of the Power Generation Plant of Gassi El Agreb oilfield)
144	Murat Tören and Mehmet Çelebi	Dry-Type Transformer Weight Optimization based on Ant Colony Algorithm
163	Emrah Özahi, Alperen Tozlu and Ayşegül AbuşoĖlu	Thermodynamic Performance Assessment of Different Fluids in a Typical Organic Rankine Cycle for Usage in Municipal Solid Waste Power Plan
170	Alperen Tozlu, Emrah Özahi and Ayşegül AbuşoĖlu	Thermoeconomic Analysis and Assessment of Gaziantep Municipal Solid Waste Power Plant
187	Ali H. Abdulkarim, Kemal Altinisik, Ali Ates and Eyub Canli	Experimental Investigation of a Novel Condensing Boiler
197	Alper Can, Meltem Dilek and Gamze Arabacı	Obtain of Biofuel by Pyrolysis from watermelon peel
211	Skender Kabashi and Gazmend Kabashi	Steady state analysis of onshore Wind Farm connection to the transmission grid using PSS/E
216	Osman İpek, Barış Gürel and Mehmet Kan	Numerical Approach Of Hydrodynamic Combustion and NOX Emission Behavior in 8 MWth Circulating Fluidized Bed

263	Osman İpek, Mehmet Kan and Barış Gürel	EXAMINATION OF DIFFERENT HEAT EXCHANGERS THERMAL ACTIVITIES WHICH HAVE DIFFERENT DESIGNS
274	Mustafa Ergin ŞahİN and Halil İbrahim OkumuŞ	The Design Steps of a Hybrid Renewable Energy System
319	A. Beril Tugrul	Evaluation of Nuclear Energy in Energy Supply Security For Turkey
335	Ahmet Senpinar	The Using of PV Arrays for Irrigation
356	Aydin Basarir, Hasan Arman, Saber Hussein, Ahmed Murad, Ala Aldahan and Mohamed Abdulla Al-Abri	Trend Detection in Climate Change Indicators using Non-Parametric Statistics: A Case Study of Abu Dhabi, United Arab Emirates
362	Ahmet Senpinar	Designed PV Powered Electronic Circuit for Reduction in Road Accidents
401	Zuhal Er	Prevailing Parameter Evaluation With Heat Transfer Analysis for Absorber Plate in the Flat Solar Collector
438	Erhan Kirtepe and Necdet Özbalta	L-Ayaklı Spiral Kanatlı Boruların Isı Transferi ve Sürtünme Özelliklerinin Deneysel Araştırılması
465	Zeynep İlbay and Mahmut Bayramoğlu	Experimental Determination of Some Critical Parameters of Direct Methanol Fuel Cell
531	Berkay Kiriş, Okan BİngÖl and Mustafa Hikmet Bilgehan UÇar	REALIZATION of PHOTOVOLTAIC PANELS SIMULATION IN MOBILE ENVIRONMENT
555	Okan BİngÖl, Burçin Özkaya and Mustafa Bayram	REMOTE CONTROLLED IRRIGATION MANAGEMENT SYSTEM FOR AGRICULTURAL AREA WITH WIRELESS NETWORKS
593	Altuğ Karabey and Kenan Yakut	Dikdörtgen Kanatçıklı Isı Alıcıda Hava Destekli Tam Koni Nozul Kullanılarak Sprey Soğutma Karakteristiklerinin Belirlenmesi
621	Zuhal Er, Zahir Rouabah and Inal Begum Turna	A Modal Study on The Estimation of Daily Global Solar Radiation from Sunshine Duration
626	Cevdet DemİrtaŞ and Merdin DaniŞmaz	Gazifikasyon Yöntemiyle Sentez Gazı Üretimi ve Gaz Yakma Sistemlerinde Kullanımı
704	Ali Saygin and Aiden Mehdi Rashid	Position Control of Turret Using LABVIEW
730	Zeynep Ceylan and Selim Ceylan	Application of Artificial Neural Network in Modeling Co-Pyrolysis of Waste Tire-Pistachios Shell
732	Rabi Karaali	PERFORMANCE ANALYSIS OF SINGLE AND DOUBLE-EFFECT ABSORPTION CYCLES
742	Feyza Bilgin and Muslum Arici	Effect of Phase Change Materials on Time Lag and Decrement Factor Considering Different Climatic Conditions
746	Feyza Bilgin and Muslum Arici	Numerical Investigation of Photovoltaic Panel coupled with Phase Change Material
760	Ömer Necati Cora and Doğan Acar	Energy Generation Based on Salinity Gradient: Current Trends and Projections

Theme -4: Earth Science and Applications

100	Mehmet Ali Çelik and Ali Ekber Gülersoy	EVALUATION OF ROCK FALL RISK IN KİLİS CITY BY USING GIS AND REMOTE SENSING
120	Zuheyr Kamaci and Gizem Uysal	DETERMINING THE POLLUTION WITH MAGNETIC SUSCEPTIBILITY MEASUREMENTS: A CASE STUDY FROM İZMİR-ALİAĞA
121	Zuheyr Kamaci and Güler Yenilmez	DERIVATION OF PSEUDO-VELOCITY LOGS FROM RESISTIVITY LOGS FROM THE CASE STUDY IN TRAKYA
210	Gul Muhammad, Amanullah Marri and Noor Ahmed	Effect of Wheat Straw and Lime on the Conductivity Characteristics of Clayey Soil
578	Ebru Başpınar Tuncay, Şemsettin Kılınçarslan and Fuzuli Yağmurlu	Effect of Aggregate Origin on the High Compressive Strength Concrete
586	Ebru Başpınar Tuncay, Ebru Yılmaz İnce and Şemsettin Kılınçarslan	A Study to Determine the Compressive Strength of Concrete Using the Person's Correlation Analysis
710	Alaaddin Vural	Gold and Silver Content of Plant Helichrysum arenarium-popularly known as the golden flower growing Gümüşhane, NE Turkey
728	Alaaddin Vural	The Use of K-Ar Dating Method for Determining the Age of Mineralization: Case Study of Gumushane Antimony Mineralization

Theme -5:Engineering Science and Applications

4	Abdelmadjid Recioui, Madjda Lograda and Khedidja Chettah	Application of Data Communication to the Detection and Correction of Power System Faults
5	Fatma Zohra Dekhandji	Signal Processing Deployment in Power Quality Disturbance Detection and Classification
6	Mehmet Akköse and Fezayil Sunca	Effects of Near-Fault Ground Motions on Earthquake-Induced Pounding Response of RC Buildings with Unequal Heights
7	Mehmet Akköse, Fezayil Sunca and Alperen Türkay	Effects of Semi-Rigid Connections on Seismic Performance of Prefabricated Structures
8	Mesut Bahadır Özdemir and Mehmet Akköse	Seismic Risk Evaluation of RC Buildings in Şebinkarahisar, Giresun, Turkey by the First Level Risk Assessment Method
18	Salim Kahveci and Janvier Maniragaba	The effects of channel characteristics on relay behavior and position in cooperative communications
23	Anarbay Kudaykulov, Makpal Nogaibayeva and Ainur Zhumadillayeva	The non-linear thermo-mechanical condition of the rod with limited length in the presence of symmetrical heat flow, heat insulation and heat transfer
55	Fella Guichi and Mouloud Challal	Miniaturized Microstrip-Fed Planar Antenna with Truncated Semicircular Ground Plane for UWB Communication Systems
66	Erdem Acar	Response Surface Based Optimization of Aerodynamic Performance of a Horizontal Axis Wind Turbine
69	Mehmet Murat Topaç, İsmail Duran and İlker Bahar	Optimal Mechanical Design of a Steering Arm for a Truck Steering Mechanism by Using Response Surface Methodology
92	Muhittin Turan and Volkan Kahya	Bending of laminated composite beams by a multi-layer finite element based on a higher-order theory
104	Halil Ibrahim Demir, Ayhan Demiriz, Muharrem Dugenci, Ozer Uygun and Caner Erden	Integrating Process Planning, WATC Weighted Scheduling, and WPPW Weighted Due-Date Assignment Using Genetic Algorithm for Weighted Jobs
115	Marcin Kowalczyk	Application of MIMO technique to increase transmission capacity of OCC system
122	Mahmut Emin Celik	The Effect of Return Electrode Position on Induced Electric Fields for Electrical Stimulation of Retinal Ganglion Cells
123	Abdelmadjid Recioui	Application of Multiple Input Multiple output power line communication (MIMO-PLC) to power systems
124	Fatma Zohra Dekhandji	Detection and mitigation of power quality problems based on phasor measurement units and renewable energy systems
129	Asım Sinan Yüksel, Şadi Fuat Çankaya and İsmail Serkan Üncü	DESIGN OF A MACHINE LEARNING BASED PREDICTIVE ANALYTICS SYSTEM FOR SPAM PROBLEM
130	İsmail Taşci, İsmail Serkan Üncü and Şadi Fuat Çankaya	IMAGE PROCESSING-BASED DEFECT DETECTION IN PARTICLEBOARD PRODUCTION SYSTEMS
132	Aykan Akincilar and Ertan Guner	An Approach to Forecast Number of Domestic and International Passengers in an Airport
133	Aykan Akincilar	A Mathematical Model for Transporting Arrived Passengers from Airport to City Center
155	Feim Ridvan Rasim and Sebastian Michael Sattler	Signal Flow Graph – The right presentation of an electrical circuit
157	Aseel Abdaljader, Mustafa GÜnal, Ahmet Oztas and Önder Ökman	The Risks Encountered In Irrigation Projects, Causes Of Delays And Proposing Delay Analysis Approaches In Such Projects
164	Yasin Karan, Nilüfer As and Mustafa Ergin Şahin	Investigation of GSM, LTE and Wi-Fi Electromagnetic Radiation in Dwellings
186	Mahmut Emin Celik	An Efficient Inductive Coil Link Design for Wireless Power Transfer to Visual Prostheses
192	Melih Yildirim, Hatice Gül Ugranli and Fırat KaÇar	Low Voltage Low Power DTMOS-CDTA Filter Design Using For Biomedical Signal Processing Applications
195	Süleyman Aytekin and Niyazi Kılıç	Detection of Ventricular Premature Contraction Beat Using Instance Based Learning Algorithm
196	Süleyman Aytekin and Mehmet Latif Levent	Microcontroller Based Greenhouse Automation
198	Hatice Gul Ugranli, Melih Yildirim and Fırat Kacar	Design of low power DTMOS based FCS and its notch filter application for ECG signals

200	Arkan Ibrahim, Azheen Fatah and Mustafa Gunal	Simulation and study of Sediment transport and scouring D/S of Perforated Hump Step Broad Crested Weirs
203	Ramazan Şevik, Çiğdem Aşçıoğlu and Kezban Koçak	Evaluation of Microbiological quality and determination of starch, gelatin and natamycin content in yoghurt from Turkish market
242	Yasin Karan, Osman Şaylı and Salim Kahveci	OFDM Performance of Ultra Wideband in Wireless Body Area Network Channel
246	Latif Onur Ugur and Umut Naci Baykan	A Model Proposal For Wall Material Selection Decisions By Using Analytic Hierarchy Process
249	Ersin Demir and Metin Sayer	Investigation of notch effect on vibration behavior of filled and unfilled composite beam
254	Ali Mortazavi, Ayhan Nuhoglu and Mahsa Moloodpoor	Interactive search algorithm: A novel hybrid meta-heuristic method
256	Ugur Cengiz and Mehmet Yildirim	Super Water and Oil Repellent Electrochromic Surfaces
264	Malik Bouzoualegh	Contribution to the valorization of an industrial waste in the field of Civil engineering
265	Malik Bouzoualegh	Influence of crushed sands on the rheological and mechanical properties of self-compacting concrete
266	Latif Onur Ugur	A Neuro-Adaptive Learning Approach About Costs of Residential Buildings
272	Necati Koçyiğit and Mustafa Ergin Şahin	Design of a Laboratory Unit Air-Conditioning System with Matlab/Simulink Software
275	Emre Esener, Emre Sönmez, Murat Özsoy and Mehmet Firat	Determining Springback Behavior of High-Strength Steels via Channel Forming Process
276	Mustafa Konal, Abdullah Yesil and Firat Kacar	Gm-C Based Quadrature Oscillator Design
278	Abdullah Yesil, Mustafa Konal and Firat Kacar	Electronically Tunable Quadrature Oscillator Employing Single Differential Difference Transconductance Amplifier
281	Fatih Goktepe, Ahmad Jawad Omid and Erkan Celebi	Scaled Soil-Structure Interaction Model for Shaking Table Testing
292	Ayşe Yeter Günal, Aytaç Güven and Mustafa Günal	Gene-Expression Programming for Estimation of Synthetic Unit Hydrograph Parameters
296	Soner Şeker, Erkan Doğan and Celalettin Kozanoğlu	Optimum Design of Semi Rigid Steel Frames with Header Plate Connections
301	Gurhan Kulahli and Yasin Yılmaz	An Investigation of Energy Absorption Behavior of E-glass/Epoxy Pultruded Thin Wall Composite Structures Due to Axial Impact Forces
303	Mustafa Günal and Mesut Ay	Design of Road-Crossing Drainage Culverts Using GIS Data
305	Durmuş Karayel, Nurdogan Ceylan, Sinan Serdar Ozkan and Recep Kiliç	Proposal of a Cost-Saving and Risk Prevention Mechatronic System Depending on Water Consumption in Buildings
313	Emre Esener, Süphan Ercan and Mehmet Firat	Determining Fatigue Behavior of a Wheel Rim Using Finite Element Analysis
325	Elvedin Kljuno	Walking Mechanism Dynamics Decoupling and Modeling
340	Mustafa Günal, Tahssen A. Hassan and Ayşe Yeter Günal	Experimental Investigation of Local Scour around a Group of Bridge Pier
347	Eyup Bilgic, Haydar Mutaf, Cafer Kirbas and Enver Sadikoglu	Evaluation of Uncertainty Contributions of Measurement Surface and Number of Microphone Positions in Determination of Sound Power Levels
348	Eyup Bilgic	Determination of Pulse Width and Pulse Amplitude Characteristics of Materials Used in Pendulum Type Shock Calibration Device
351	Şemsi Yazıcı and Gözde İnan Sezer	Radon emission from building materials
359	İsmail Zorluer, Şerife Gökçe, Yılmaz İçağa and Osman Güner	İŞ PROGRAMI İLE VERİMLİLİK ARTIŞININ ARAŞTIRILMASI: AFYON ÇİMENTO FABRİKASI ŞANTİYESİ ÖRNEĞİ
361	Enes Furkan Erkan and Özer Uygun	An Assessment Model for Institutionalization Based on Fuzzy Cognitive Maps
363	Ali Sakin, Irfan Karagoz and Atakan Avci	A Computational Comparison of Flow and Pressure Fields in Axial and Reverse Flow Cyclone Separators
373	Hizia Bellakehal, Ali Zaidi, Kaddour Mouattah and Radhouane Masmoudi	Numerical analysis of thermal strains in overlapped FRP bars-reinforced concrete beams

378	Gülây Yakar	Konik Kanatlı Yatay Borunun Farklı Kanat Aralıklarındaki Isıl Performansının Deneysel olarak Araştırılması
386	Nazar Tanrıman, İrem Kalıpcılar and Alper Sezer	Strength of kaolin clay stabilized with cement and PVA based bonding agent
387	İrem Kalıpcılar, Nazar Tanrıman, Eyyub Karakan, Alper Sezer, Devrim Erdoğan and Selim Altun	Dynamic triaxial tests on fiber reinforced clayey sand
393	Gözde İnan Sezer and Alper Sezer	Modeling the sulfate resistance of limestone / silica fume bearing mortars
403	Zeynep Batık and Durmuş Karayel	Path Planning for Multiple Mobile Robots Using A* Algorithm
418	Didem Cansu İlhan	Thermal Resistance Characterization in Gan Based Transistors by Numerical Analysis
441	Erdal Öner, Gökhan Adıyaman and Ahmet Birinci	Continuous Contact Plane Problem between a Functionally Graded Layer and a Homogeneous Half-plane
442	Muhammet Yurdakul, Şevket Ateş, Zeliha Tonyalı	Comparative Study of Non-Isolated and Isolated Bridge with Triple Friction Pendulum Bearing Under Spatially Varying Ground Motions
463	Kaan Hakan Çoban and Nilgün Sayıl	THE STATISTICAL EARTHQUAKE PROBABILITY IN MARMARA REGION
471	İ. Hüseyin Filiz, Sadık Olguner and Erdem Eyyapan	Design Considerations and Optimization of Planetary Gear Trains
481	Hakkı Özer, Orhan Kurtuluş, Mustafa Taş and Murat Yazıcı	Open-Hole Tensile Experiments of Thermoplastic Composite Laminates and Finite Element Analysis
494	Sadık Olguner and A. Tolga Bozdana	Influence of Press Ram Pulsation on Deep Drawability of Dual Phase (DP) Steel Sheet
496	Selahattin Bozkurt, Yaser Açıkbaş and İbrahim Bulduk	Synthesis of Calixarene Derivatives for Chiral Recognition of Carboxylic Acids
502	Abdülkadir Koçak and Hatice Can	Computational Models for Predicting the Antiandrogen Activity of Some Benzimidazole and Indole Derivatives
503	Hatice Can and Akylai Birimkulova	Quantum Chemical Studies on Sensing Process of Fluorescence Sensors for Biological Thiols
504	Kaan Hakan Çoban and Nilgün Sayıl	THE CALCULATION OF EARTHQUAKE MAGNITUDE PROBABILITY NEAR VAN LAKE
512	Mehmet Erkan Kütük and Lale Canan Dülger	Optimization with Genetic Algorithm (GA) and Simulated Annealing (SA): Application to Planar Mechanisms
514	Gökhan Atali, Barış Boru, Sinan Serdar Özkan and Durmuş Karayel	Design of a Single Line Half Duplex Protocol for Mechanical Rotary Table Systems
527	Ali Kiliç and Sadettin Kapucu	Electronic System of Modular Reconfigurable Robot Module OMNIMO
551	Tuğçen Hatipoğlu, Hatice Esen and Nilgün Fırlalı	Application of Value Stream Mapping in Automotive Subsidiary Industry
557	Elif Elçin Günay and Ufuk Kula	A Heuristic Model for Buffer Content Determination
570	Fatih Yıldız, Ayşe Gül Parlar, Zeynep Parlar and Mustafa Bakkal	Sound Panel Application by Using Recycled Footwear Tread
571	Şuayb Çağrı Yener, Cihan Barbaros, Resat Mutlu and Ertuğrul Karakulak	A Microcontroller-Based Memristive Chaotic Circuit
577	Fulya Taktak, Zeynep İlbay, Yaşasın ÖĞen and İsmail Kırbaşlar	Recovery of Polyphenols from Biowaste through Integrated Process Extraction-Adsorption via 2-(dimethyl amino) Ethyl Methacrylate / Amberlite Composite
581	Kenan Yıldırım, Umur Enes Gökçek, Zeynep Parlar and Arzu Balatlıoğlu	PROPER FILLING DESIGN ON BEHALF OF MINIMIZING ROOT FRACTURES ON CANAL TREATMENT APPLIED TEETH
589	Şuayb Çağrı Yener	Determination of Electromagnetic Energy Absorbed in the Human Head for Mobile Communication Frequencies
608	Barbaros Atmaca, Şevket Ateş, Murat Günaydin and Ahmet Can Altunişik	Effects of Strand Configuration on Pretensioned I-Girder After Detensioning
623	Mehmet Taş, Çağatay Teke and Baha Güney	Application of Fuzzy Linear Programming in Food Industry for Improving Demand Forecast Accuracy
631	Mustafa Ergun and Sevkete Ates	An Alternative Strengthening Technique to Conventional Methods: Seismic Isolation Retrofit
642	Ufuk Durmaz, Mustafa Özdemir, Aytaç Öncül and	An Experimental Investigation on Heat Transfer in Milk Cooling Vessels

	Hüseyin Pehlivan	
643	Cemil Yiğit and Ufuk Durmaz	Performance Improvement of The Wind Turbine Blade
661	Ibrahim Yilmazcoban	Numerical Analysis of the Lamb Metacarpal Bone: Approximation of Bending Tests
662	Nursel Kiratli Yilmazcoban and Ibrahim Yilmazcoban	Experimental and Computational Examination of the Bovine and Chicken Skins under Tensile Loading
665	Murat Avci, Özer Taga, Fatih Koşar and Ömer Keleş	Katlanır Kapak Mekanizmasının Sürtünme ve Sönüm Katsayısının Deneysel ve Sayısal Çalışmalara göre Belirlenmesi
668	Nail Kaya, Emre Okur, Halit Erdem Nakkaş, Ömer Keleş and Fatih Koşar	Havacılık Sistemlerinde Kullanılan Baskı Devre Kartları ve Bileşenlerinin Titreşim ve Yorulma Analizi
705	Nabi Ibadov	Selection of construction project taking into account technological and organizational risk
718	Hakan Bolat	Effects of Steel and Polyester Fibers Admixtures on the Water Absorption Properties of Normal and Vacuumed Concrete
719	Hakan Bolat	Effects of Macro and Micro Polypropylene Fibers Admixtures on the Abrasion Resistance of Normal and Vacuumed Concrete
729	İbrahim Çayiroğlu and Recep Kiliç	Wing Aerodynamic Optimization by Using Genetic Algorithm and Ansys
734	Shatha Zakar, Nermin Şarlak and Omer Mahmood	Multisite Disaggregation of Annual to Monthly Streamflows using non-parametric models
738	Zeynep Ceylan, Samet Gürsev and Serol Bulkan	An Application of Data Mining in Individual Pension Savings and Investment System
743	Gökçe Özden and İnci Sarıççek	A Decision Support System for Multi-Door Cross Docking Centers
758	Yunus Emre Şimşek	Effect of pretreatment methods on physicochemical and morphological properties of biochars obtained from agricultural waste
759	Yunus Emre Şimşek	Obtainment and Preparation of High Purity Silica From Rice Husks and Its Characterization
775	Uğur Albayrak and Eşref Ünlüoğlu	Modelling of Brick Infills in One bay, One Story R.C Frames
776	Uğur Albayrak and Gülçağ Albayrak	Fire Safety in High Rise Buildings in terms of Design and Codes Requirements
777	Gülçağ Albayrak and İlker Özdemir	Linear Analysis of Time-Cost Problem for Construction Projects
778	Gülçağ Albayrak and Uğur Albayrak	Cutting Optimization of Steel Bars Using Integer Programming
788	Ahmad Tayyar	Geodetic subjected to forces
805	Zekiye Erdem	A Review of MPPT Algorithms Methods for Partial Shading Conditions
806	Zekiye Erdem	An Advanced Particle Swarm Optimization Algorithm (PSO) for PV Systems
807	Mehmet Bilgehan Erdem	A Corporate Management Information System for University-Industry Collaboration Institutions
808	Mehmet Bilgehan Erdem	Big Data Analytics in Supply Chain Management
822	Mehmet Recep Minaz and Mehmet Çelebi	Design and Analysis of a New Axial Flux Coreless PMSG with Three Rotors and Double Stators

Theme -6:Material Science and Applications

25	İlker Özkan	Utilization of Bigadiç Boron Works Waste Clay in Wall Tile Production
94	Bilgehan Ilker Harman and Noorjan Salahuddin Ibrahim	Removal of Cd ²⁺ by Pumice Supported Nano Scale Zero Valent Iron
110	Naim Syla, Fisnik Aliaj and Mursel Rama	Hardness curves by steel 31CrMoV9 after gas nitriding
158	Laslouni Ouarda and Azzaz Mohammed	Theory of Magnetic Anisotropy in Nanostructured Alloys Cu ₇₀ Fe ₃₀

173	Rayane Karim, Debicha Ahmida Tahar and Allaoui Omar	Prediction of boride layer depth obtained on XC38 steel in molten salts using adaptive neuro-fuzzy inference system
184	Fatma Gode and I. Afsin Kariper	Effect Of Complexing Agent On The Structural And Optical Properties Of Amorphous Indium Sulfide Thin Films deposited By Chemical Bath Deposition
185	I. Afsin Kariper and Fatma Gode	Influence Of pH On The Structural And Optical Properties Of Polycrystalline MnTe ₂ Thin Films Produced By Chemical Bath Deposition Method
188	Boubaaya Rabah, Benarioua Younes and Allaoui Omar	Effect of the annealing temperature and the thickness of carburizing layer on the obtained chromium carbides
189	Djendel Mokhtar, Allaoui Omar and Bouzid Abderrazak	Effect of air plasma spraying parameters on the quality of coating
212	Allaoui Laid Abdelkrim and Allaoui Omar	Mechanical characterization of boride layers obtained on C35 steel
223	Damene Zineb, Goual Mohammed Sayah and Saiti Issam	Valorisation Of Sand Dune And Waste Brick Filler In Elaboration Of Cellular Concrete: Mechanical And Thermal Properties
255	Ugur Cengiz	Fabrication of Transparent Superhydrophobic TEOS Film
258	Ahmad Mukifza Harun, Shahril Yusof and Huzaikha Awang	Effects of silver doping in synthesizing nano titanium dioxide from hydrothermal route
259	Ahmad Harun, Nor Farid Mohd Noor Mohd Noor, Suharni Mohamad, Mohamad Ezany Yusoff, Shahril Yusof and Huzaikha Awang	Effect of nanotitania extract to the staphylococcus aureus viability
261	Rachid Belkada, Nassim Ahmed Mahammedi and Marhoun Ferhat	A comparative study of the effect of strain on the electronic and optical properties of filled and unfilled Ba ₈ Si ₄₆ type-I clathrate
306	Atilla Evcin, Emrumiye Arlı, Zeynep Baz and Ramazan Esen	Electrical properties of Ag-TiO ₂ powders prepared by sol-gel method
342	Seda Hazer, Meral Çoban, Merve Erkoç, Işıl Üner and Ayse Aytac	Effects of the nanoclay and intumescent system on the properties of the plasticized polylactic acid
357	Atilla Evcin, Nalan Çiçek Bezir, Bahri Ersoy, İbrahim Güneş, Tayfun Uygunoğlu and Kadir Ay	Characterization of Superhydrophobic Polymer Composite Surfaces
389	Zafer Barlas	The influence of tool tilt angle on 1050 aluminum in friction stir welding process
395	Metin Önal and Mehmet Gavgali	Synthesis of Al ₂ O ₃ and TiB ₂ Ceramic Particles in Aluminum Matrix
421	Meral Çoban, Seda Hazer and Ayse Aytac	INVESTIGATION OF THE EFFECTS OF CARBONIC AGENT AND NANOCLAY ON THE PROPERTIES OF THE POLYLACTIC ACID BASED NANOCOMPOSITES
422	İ.Kürşad Kandirmiş and Murat Yazici	Determination Of The Dynamic Properties of Carbon and Glass Fiber Reinforced Thermoset and Thermoplastic Composites Using Dynamic Split Hopkinson Compression and Tension Bar Technique
425	Batuhan Güler, İsmail Saraç, Ahmet Kaan Türkel, Erdal Timuçin Bıyıkçı, Murat Yazici and İ.Kürşad Kandirmiş	Improving The Material Properties Of PTFE By Recycling Of Loss Materials That Come Out While Production Of PTFE Seals
430	Hamdi Mostapha, Benhorma Hadj Aïssa and Hadjaj Abdel Chafik	RESIDUAL STRESSES MEASUREMENT IN A WELD SEAM OF A STEEL X70 ANALYZED BY XRD
433	Metin Davraz, H. Ece Pehlivanoğlu, Şemsettin Kılınçarslan and İskender Akkurt	Determination of Radiation Shielding of Concrete Produced by Portland Cement with Boron Additives
434	Eugenijus Norkus and Loreta Tamasauskaitė-Tamasiunaite	Solution Chemistry of Alkaline Formaldehyde-Containing Electroless Copper Plating Solutions
439	Metin Davraz, H. Ece Pehlivanoğlu and Şemsettin Kılınçarslan	Behavior of High Temperature on Concrete Produced by Portland Cement with Boron Additives

440	Metin Davraz, Şemsettin KilinÇarslan, Murat Kuru and F. Pelin EziktaŞ	Investigation the foam properties of the concretes produced with different ratios pumice
470	Yaşar Karataş, Mehmet Gülcan and Mehmet Zahmakıran	The Development of The Heterocyclic Ligand Stabilized Metal Nanocatalysts that Provide Reversible Hydrogen Production from the Methanolysis of Ammonia-Borane*
486	Hakkı Özer, Yücel Can and Murat Yazıcı	Performance of Vehicle Crash Elements Depending On Syntactic Foam Patterns
509	Harun Sepet and Necmettin Tarakcioglu	The role of CaCO ₃ particle sized on flexural properties of industrial composite based polymer
518	Serkan Biyik	Synthesis and Characterization of Nanocrystalline Cu ₂₅ Mo Electrical Contact Material via Ball Milling
526	Serkan Biyik and Murat Aydın	Optimization of Mechanical Alloying Parameters in Cu ₂₅ W Electrical Contact Material
536	Beyhan Erdem, Çağla Azko, Sezer Erdem and Ramis Mustafa Öksüzöğlü	Direct and Postsynthetic Functionalization of Mesoporous B-SBA-15-SO ₃ H Acid Catalyst and Application to Methyl Propionate Esterification
543	Ozge Kozgus Guldu, Suna Timur and Perihan Unak	Development of L-Phenylalanine Conjugated Boron Nitride Nanotubes as Boron Neutron Capture Therapy Agent
565	Metin Önal and Mehmet Gavgali	Production of Aluminum Metal Matrix Composites with Al ₂ O ₃ and TiC
575	Tuba Yener and Sakin Zeytin	Production and Characterization of Niobium Toughened Ti-TiAl ₃ Metallic-Intermetallic Composite
576	Tuba Yener and Sakin Zeytin	Synthesis of Ti-TiAl ₃ Composite by Resistive Sintering
582	Ediz Kale, Mesut Tuzlali, Zeki Arslanoglu, Halenur Altan, Fundagül Bilgic and Osman Sahin	Nano-mechanical Comparison of Commonly Used Dental Crown Cements to a Newly Developed One
592	Mahmut Bingöl	Basıncılı kalıplama yönteminde ileri elyaf takviye malzemelerinin kullanımı ve geleneksel malzemelerle karşılaştırılması
602	Nusret Bozkurt and Salih Yazıcıoğlu	The Strength Properties of Fibre Reinforced Self Compacting Concrete
603	Nusret Bozkurt and Vural Taşkın	The Design of Self Compacting Lightweight Concrete Using Acidic Pumice with Different Powder Materials
604	Neslihan Gökçek and Bekir Sıtkı Kandemir	The Effects of Topology and Spin-Orbit Interaction on the Electronic Structure of Graphene
688	Kağan Yurdal and İsmail Hakkı Karahan	A Cyclic Voltammetry Study on Electrodeposition of Shape Memory Cu-Zn Alloy Films: Effect of Ultrasonication Time
689	Kağan Yurdal and İsmail Hakkı Karahan	A Morphological Study on Electrodeposited Shape Memory Cu-Zn Alloy Films: Effect of Solution Ultrasonication Time
690	Kağan Yurdal and İsmail Hakkı Karahan	Phase Formation in Electrodeposited Shape Memory Cu-Zn Alloy Films Produced From Ultrasonicated Solutions
703	İsmail Hakkı Karahan	Effect of Current Density on the Corrosion Protection Performance of Polyaniline Coated AISI 4140 Steel
713	Mahdi Debieche and Karima Boudhar	Phase transitions in KAlF ₄ Ultrasonic propagation and Brillouin scattering
715	Muhammet Emre Turan, Yasin Akgul, Yavuz Sun, Yunus Türen and Hayrettin Ahlatci	The effect of GNPs on mechanical properties of pure magnesium
722	Muhammet Emre Turan, Sait Ozcelik, Yavuz Sun and Hayrettin Ahlatci	Wear behaviors of rails with an accelerated cooling rate
770	Zafer Barlas	Weldability of CuZn30 brass/DP600 steel couple by friction stir spot welding
774	Azadeh Haghighatzadeh, Babak Mazinani, Maryam Abdolapour Salari and Mehdi Shahedi Asl	Coating of Ordered Large-Pore Mesoporous Silica with TiO ₂ layer and evaluation of its photocatalytic activity
792	Zehra Kozak, Melek Gul and Betul Canimkurbey	Fullerene and Flavour-Fragrances Compound Interaction: Formation of Solar Cell

Theme -7: Biological and Medical Science and Applicatons

15	Majda Aouititen, Ratiba Bekkali, Driss Nachite and Mohammed Marhraoui	Strandings of the jellyfish <i>Pelagia noctiluca</i> (Forsskal, 1775), in the coast of Tetouan (Morocan Mediterranean coastline)
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16	Şükür Kitiş, Hasbi Apaydın, Rüştü Güntürkün	DESIGNED FILTER, AMPLIFIER WITH CCII+ AND ANALYSIS OF EEG FOR EPILEPSY, ALZHEIMER
53	Zafer Cömert and Adnan Fatih Kocamaz	A Comparison of Machine Learning Techniques for Fetal Heart Rate Classification
54	Zafer Cömert and Adnan Fatih Kocamaz	Performance Comparison of Neural Network Training Algorithms for Fetal Heart Rate Patterns
102	Çiğdem Gökçek-Saraç	Both acute and chronic 900MHz-2100MHz GSM exposure have different effects on behavioural performance of Wistar rats and the level/activity of PKA and CREB in their brain
226	Belgin Erdem	The Presence of Metals and Antibiotics Resistant Bacteria in Arable Manure Soils
227	Alpaslan Dayangaç, Belgin Erdem and Taylan Aktas	The Metabolic Relationships Between Probiotics And Fatty Acids
232	Mohamed Rezki, Abdelkader Belaidi, Mourad Benziane and Mouloud Ayad	Performance Analysis of detecting Fatigue's muscle using various Processing Tools
345	Ebru Uyar, Cengiz Corbaci and H. Tansel Yalcin	Characterization of Novel Extracellular Protease/Lipase Produced by Bacillus sp. from Balıklıgol-Sanlıurfa
432	Fundagül Bilgic, Halenur Altan, Ozlem Akinci Sozer, Zeki Arslanoglu, Ediz Kale and Selma Özarlan	Third-generation LED LCU Effects on Nanomechanical Properties of Orthodontic Adhesives
443	Fatih Yılmaz and Muhammet Yurdakul	Evaluating of Marble Dust in Soil Stabilization
446	Elif Serbestoğlu, Çetin Kilinç, Rıdvan GÜÇKAN and Önder İdil	Changing Antibiotic Resistance of Escherichia coli and Clinical Isolates During Photooxidative Stress
449	Hakan Aşkın, Melike Yıldız and Arif Ayar	Effects of thymol and carvacrol on acetylcholinesterase from Drosophila melanogaster
450	Handan Uysal, Sıdıka Genç and Arif Ayar	Toxic Effects of Chronic Feeding with Food Azo Dyes on Drosophila melanogaster Oregon R
458	Arslan Say, Arif Ayar and Demet Çakır	THE EVALUATION OF 112 EMERGENCY AMBULANCE SERVICES USES IN AMASYA
459	Arslan Say, Arif Ayar and Demet Çakır	INTERACTION BETWEEN GRAPEFRUIT JUICE AND DRUGS
477	Kamil Musa Ordu and Gülçin Çivi	RESTRUCTURING OF UNIVERSITY LABORATORIES WITHIN THE SCOPE OF OCCUPATIONAL HEALTH AND SAFETY
513	Gülçin Işık and Mehmet Çalısık	Ecophysiological effects of The Porsuk River's water and boron on Cucumis sativus L. seeds
516	Demet Çakır, Arif Ayar and Arslan Say	EVALUATION OF THE KNOWLEDGE ON RATIONAL DRUG USE OF PREGNANT OVER 18 YEARS OF AGE WHOSE APPLIED TO HOSPITAL
528	Tuğba Atıcı and Deniz Altun Çolak	The Healing Effect of Cimin Grape Against Toxic Effects of ZnOTiO ₂ Nanocomposite
605	Dursun Ustundag	Recovering Images from Pet Camera
671	Arslan Say, Arif Ayar and Demet Çakır	CONNECTION BETWEEN SMOKING WITH ANGER-ANGER STYLE THE HEALTH SERVICES VOCATIONAL SCHOOL OF STUDENTS
685	Nermin Demirkol	BIOACTIVITY PROPERTIES AND CHARACTERIZATION OF COMMERCIAL SYNTHETIC HYDROXYAPATITE-NIOBIUM (V) OXIDE-MAGNESIUM OXIDE COMPOSITES
700	Mehmet Erhan Şahin and Mehmet Recep Bozkurt	Retinal Nerve Fiber Layer Detection of Optical Coherence Tomography Images Using The Hough Lines Method
768	Arif Ayar, Arslan Say and Handan Uysal	An in vitro investigation of the antigenotoxic effects of White tea (Camellia sinensis L.) against cyclophosphamide-induced DNA damage in human peripheral lymphocytes

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294	Perihan Tuğba Şeker	MİKRO-ÖĞRETİM UYGULAMASININ OKUL ÖNCESİ ÖĞRETMEN ADAYLARI TARAFINDAN DEĞERLENDİRİLMESİ
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669	Mustafa Uğraş and Özge Cömert	Sınıf Öğretmenlerinin Fen Bilimleri Derslerinde Akıllı Tahta Kullanımıyla İlgili Yaşadıkları Sorunlar ve Çözüm Önerileri
720	Filiz Kabapınar and Candan Cengiz	Determination the feasibility of science projects conducted for science fairs as STEM education
783	Özlem Koray and Abdullah Koray	Pre-Service Science Teachers' Opinions About Using The Rubrics In The Feedback Process

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532	Ahmet Tuna Cömert	GREENHOUSE PRODUCTION in BİLECİK
535	Kahraman Kepenek	Controlling Seedling Height by Treating Seedlings With Paclobutrazol on Some Plant Seedlings
537	Kahraman Kepenek and Zuhul Karoğlu	Photosynthetic Effects of Light-Emitting Diode (LED) on In Vitro-Derived Strawberry (Fragaria x ananassa cv. Festival) Plants Under In Vitro Conditions
548	Zuhul Er and Beril Tugrul	A study of ship discharge state analysis in a narrow water way: the contribution of mathematical modelling
563	Okan Yeler, Pınar Aslantaş and Altuğ Karabey	Van İli İklim Koşullarında Seralarda Kullanılabilecek Yenilenebilir Enerji Kaynaklı Sistemler
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34	Thair Khyyun and Ayad Mustafa	Comparison of the Experimental Results with the Langmuir and Freundlich Models for Copper Removal on Limestone Adsorbent
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177	Alper Can and Gamze Arabacı	THE CALCULATION OF THE TOXICITY VALUES OF TRIAZINE GROUPS HERBICIDES USING CHEMOMETRICS METHODS
215	Fadila Djouadi Belkada, Ouiza Kitous and Nadjib Drouiche	Electrodialysis system for removal of fluoride ions present in the synthesized photovoltaic industry wastewater.
399	Adem Bayram, Ugur Satilmis, Salim Serkan Nas, Baris Kemer	Fluoride Levels in the Eastern Black Sea Basin Streams, Turkey
444	Adem Bayram and Meltem Kenanoglu	Temporal Variation of Total Nitrogen and Total Phosphorus in Surface Waters from the Lower Çoruh River Basin, Turkey
678	Dilan Irmak Aslan and Selim Ceylan	Investigation of combustion kinetics of U.lettuca biomass by TGA and Master-Plots method

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78	Damla Yilmazoğlu	A STUDY ON CONSUMER ATTITUDES TOWARDS COUNTERFEIT OF LUXURY
376	Merve Cengiz Toklu	Determination of Customer Loyalty Levels by Using Fuzzy MCDM Approaches
553	Mehmet Yavuz and Necati Ozdemir	Numerical Solution of Fractional Black-Scholes Equation by Using the Multivariate Padé Approximation

564	Hatice Esen, Tuğçen Hatipoğlu and Nilgün Fırlalı	The Application of 360 Degree Performance Appraisal System in Forest Products Sector
627	Çağatay Teke, Mehmet Taş and Baha Güney	Bulanık Analitik Hiyerarşi Prosesi Yöntemi İle Raylı Taşıt Proje Seçimi
765	Ömer Necati Cora and Mehmet Sami Güler	Sustainable Aviation and Projections for Aviation Industry
809	Merve Cengiz Toklu and Harun Taşkin	Performance Evaluation of Management Organization in Small-Medium Enterprises

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60	Dr. Abdullah Abusayed Khan, Md. Saidur Rashid Sumon and Mohammad Anisur Rahaman	Women and Children as Victims of Climate Change: A Locked Life in South-Western Region of Bangladesh.
98	Norkhalid Salimin, Liza Saat, Mohd Izwan Shahril, Julismah Jani, Azali Rahmat and Gunathevan Elumalai	Validity and Reliability of Learning Assessment Instruments for Invasion Category Games in Physical Education
116	Izwan Shahril, Norkhalid Salimin and Julismah Jani	PERFORMANCE ASSESSMENT INSTRUMENT (PAI) MODEL FOR NET AND WALL GAMES CATEGORY BASED ON TEACHING GAMES FOR UNDERSTANDING (TGfU)
524	Zeynep İdil Erzurum Çiçek, Zehra Kamişli Öztürk and Zeliha Ergül	SENTIMENT ANALYSIS: AN APPLICATION TO ANADOLU UNIVERSITY
607	Özge Cömert and Yelda Sevim	Çocuk Suçluluğunun Sosyolojik Yaklaşımlar ile İncelenmesi
749	Rana Özyurt Kaptanoğlu	THE IMPACT OF EMOTIONAL INTELLIGENCE OF CUSTOMERS ON ADVERTISEMENT PERCEPTIONS
750	Rana Özyurt Kaptanoğlu and Menekşe Kılıçarslan	UTILIZATION OF COLOR AND MUSIC IN STORE ATMOSPHERE
751	Menekşe Kılıçarslan	EMOTIONAL INTELLIGENCE AMONG HEALTH CARE WORKERS AND EXHAUSTION

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12	Kadir Gunoglu and Iskender Akkurt	Determination of Radiation Absorption Properties of Epoxy Resin Including Different Rate Barite
19	Ahmed Ibrahim	New Semi Empirical Equation to find the optimum etching time in CR-39
30	Hüseyin Ozan Tekin, Tuğba Manici and Özlem Öztürk	An Estimation with Artificial Neural Network (ANN) modeling on Variation of Bremsstrahlung Photon Flux by Considering Different Target Thicknesses by Using MCNP-X Code
42	Hüseyin Ozan Tekin and Elif Ebru Altunsoy	QUANTITATIVE CHARACTERISTIC X-RAY ANALYSIS FOR DIFFERENT BRASS SAMPLES BY USING MONTE CARLO (MC) METHOD
96	Youcef Megrouss, Nourdine Boukabcha, Abdelkader Chouiah and Fodil Hamzaoui	X-ray and DFT electrostatique parameters Determination of a coumarin derivative compound C ₁₇ H ₁₃ NO ₃
99	Yahia Cherif Fatima	Theoretical studies of vibrational spectra and theoretical analysis of piperazine
109	Mostefai Asmaa and Rahmouni Ali	DFT study of the reactivity of some conjugated carbonyl compounds

154	Ahmet Ekicibil	Influence of rare earth ion doping on the structural, magnetic and magnetocaloric properties of $(La_{1-x}RE_x)_0.85K_{0.15}MnO_3$ ($x = 0.0$ and 0.1 ; RE: Pr and Sm) manganites
222	Abdelatif Tahraoui, Naima Fouial and Bouzid Zaham	Numerical Computation of the Electrostatic Sheath Thickness
320	Reguieg Khadidja and Zeggai Souar	Schottky Barrier Detector based on Au/GaAs and Au/Inp Application to Radar Detection System
327	Fatima Benrachi, Meriem Khiter and Nadjat Laouet	Monopole Correction Effects on even nuclei near 132-Sn region
364	Nadjat Laouet, Fatima Benrachi and Mourad Ramdhane	Shell Evolution in 78Ni Doubly Magic Mass Region
385	Samra Kaim and Isabelle Deloncle	Study of nucleus of N=82 region
406	Souad Baali, Saida Zougar, Rochdi Kherrat, Zine Eddine Djeghaba, Fadhila Benamia and Nicole Jaffrezic Renault	Determination of organochlorine pesticide using enzyme biosensor based on cyclic voltammetry and differential pulse voltammetry
409	Fatima Benrachi and Nadjat Laouet	Spectroscopic Properties of 132Te and 134I nuclei in 100Sn core
420	Nadjat Laouet and Fatima Benrachi	Shell Model Calculation for p-h nuclei in 132Sn Doubly Magic Mass Region
452	Osman Agar, Canel Eke and Mehmet Emin Korkmaz	A radiological investigation of drinking waters in Antalya, Turkey
466	Ozcan Gundogdu, Urkiye Akar Tarim and Orhan Gurler	Monte Carlo calculations for photon attenuation studies on different solid phantom materials
467	Samir Chekour, Abdelatif Tahraoui and Djamila Benlemdjaldi	Effects of dust particles on the electrostatic potential sheath in the presence of an oblique magnetic field
488	Ersin İnkaya, Serpil Eryılmaz and Nesuhi Akdemir	The investigation of the structural properties of 3-nitrophthalonitrile using spectroscopic and quantum chemical computational methods
493	Selahattin Bozkurt and Ibrahim Bulduk	Method Development and Validation of RP-HPLC Method for Determination of Colchicine in Plant Extract and Pharmaceutical Formulation
519	Ghania Bouhila and Fatima Banrachi	Radioactivity Investigation of sediment samples from Beni Haroun Dam Using high-resolution gamma –ray spectroscopy
547	Rasim Özdemir, İsmail Hakkı Karahan and Cuma Ali Korkmaz	Investigation of the structural and magnetic properties of the cobalt-nickel alloys fabricated with various electrolyte solutions
591	Nour El Houda Benmansour, Mammam Bouamoud and Mohammed Sahlaoui	The Balmer- α emission in proton hydrogen collisions studied using a variational formalism
616	Djillali Bensaid, Tayeb Hellal and Asia Mohammedi	First-principle investigation of electronic structure, magnetism of Heusler Mn_2XGa ($X=Ga$ and Ir) alloys
650	Nurdan Karpuz, Betül Çetin and İskender Akkurt	Calculations of Double-Differential Cross Sections on 56Fe, 63Cu, 90Zr, 96Mo and 109Ag Neutron Emission in Proton Induced Reactions
652	Fatma Kılınç, Betül Çetin and Nurdan Karpuz	The Theoretical Production of In Isotopes by Alpha Induced in Cd Element
663	Kenza Zaibak and Samira Biskri	Structural analysis of the turbulent flow after a descending facing step using a continuous wavelet transform.
666	Nurdan Karpuz, Betül Çetin and İskender Akkurt	Production Theoretical Cross Sections of Longer Lived Radionuclides in Alpha, Proton and Neutron Induced Reactions on 211At, 62Zn, 32P
667	Nurdan Karpuz	Production Cross Sections of Longer Lived 57Co Radionuclide
673	Embarka Boutalbi, Leila Ait-Gougam, Fawzia Mekideche-Chafa and Mouloud Tribeche	Planck radiation law and Einstein coefficients reexamined in Tsallis q- statistics
681	Susan Shukur Noori, İskender Akkurt and Nurdan Karpuz	Excitation Functions for the Proton Irradiation on 45Sc Target
686	Boudhar Karima and Mahdi Debieche	Vibrational Raman spectra of organic compound C16H13N3O3

687	Karima Mezouar, Amal Ait El Djoudi and Lebba Ghenam	Color–Singlet Representation of a Quark-Gluon plasma at Finite Temperature and Chemical Potential
691	Nurdan Karpuz	Detailed Analysis of Differential Cross Sections for Elastic Scattering for n+ 208Pb Reaction
696	Halil Oturak, Neslihan Kaya Kinaytürk, Ahmet Muhammet Topuz, Nermin Kutlu, Elif Kaynaker, Pınar Talip and Yusuf Sert	Experimental and Quantum Chemical Calculations of 2-Amino-4,5,6,7- Tetrahydrobenzo [b] Thiophene-3-Carbonitrile
697	Naima Fouial, Abdelatif Tahraoui and Djamil Benlemdjaldi	Study of sheath properties in complexe plasma containing two species of positive ions
698	Ahmed Rufai Usman, Mayeen Uddin Khandaker, Hiromitsu Haba and Nurdan Karpuz	Experimental and calculated excitation functions of 56Mn from deuteron-induced nuclear reactions on nickel
707	Djamil Benlemdjaldi, Abdelatif Tahraoui, Naima Fouial and Samir Chekour	The effect of ion–neutral collisions on the electronegative plasma sheath in cylindrical geometry
712	Muhammed Fatih KuluÖztürk, Soner Özgen and Mahmut Dođru	Development of A Low Noise and Low Energy Consumption Spectroscopy Amplifier for 222Rn Gas Detection
745	Ahmed El-Khayatt	Estimation of gamma-ray kerma coefficients in terms of total photon cross-sections and interaction probabilities: A step-by-step illustrated approach
753	Sibel Özavci and Betül ÇetİN	Radiation Shielding Properties of Historical Buildings Used Mortars and Plasters
755	Bekir Bolat, Feda Öner and Betül ÇetİN	Assessments of Natural Radioactivity Concentration and Radiological Hazard Indices In Surface Soils From The Gözlek SPA (Amasya-Turkey)
757	Zehra Nur Kuluöztürk, Nilgun Demir and Iskender Akkurt	Calculations of Temperature Rise on Al, Cu and Fe Photon Collimators for 8-32 MeV Photon Beams
767	Betül ÇetİN, Şerife YalÇın, Bülent AktaŞ and Mehmet AlbaŞkara	Investigation of radiation shielding properties of soda-lime-slica glasses doped with different food materials
771	Betül ÇetİN and Nurdan Karpuz	Determination of Natural Radioactivity in Yeşilırmak River Water in Amasya (Turkey)
793	Zehra Kozak, Melek Gül and Betul Cetin	Electronical Properties of Fullerene Derivatives; via Radiation Energy
797	Kadir Gunoglu	Radiation Transmission of Some Gypsum Concrete for 511, 835 and 1275 KeV Gamma Rays
798	Kadir Gunoglu	The Effect of Boron Rate on Plaster for Neutron Attenuation Properties
819	Feride Kulalı, Iskender Akkurt and Kadir Gunoglu	Determination of Radium-226 Concentration in Soil Samples in Pamukkale Geothermal Region
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525	Abide Tuna Aksoy and A. Ceylan Çöken	Characterizations For The Dual Split Quaternionic Curves
810	Adel Belayadi, Ahmed Mougari, Boualeme Bourahla and Fawzia Mekideche-Chafa	Continuous Wavelet Transform and Feedforward Neural Networks to Modulate Information Processing of 2-Dimensional Task
820	Hafida Achour, S. Louhibi Fasla and F. Mana	OPTICAL PROPERTIES OF GaN

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236	Mohamed Chaour, Sofiane Boulkroune and Mounira Bourebia	Numerical study of air preheating effect on NOx emissions in a heating furnace
239	Farid Boudali Errebai, Lotfi Derradji and Mohamed Amara	Thermal behaviour of a dwelling heated by different heating systems
240	Lotfi Derradji, Farid Boudali Errebai and Mohamed Amara	Dynamic thermal modelling of a passive house
260	Ozgur Cevher and Hatem Akbulut	Electrochemical performances of Nanostructured SnO2 Anode Materials Produced by RF Magnetron Sputtering for Li-Ion Battery
360	Braikia Mohamed, Khelil Ali and Loukarfi Larbi	Thermal and dynamic characterization of air jet issued from a diffuser provided with lobes
415	Derya Unlu, Filiz Ugur Nigiz and Nilufer Durmaz Hilmioğlu	Biodiesel Synthesis By The Green Catalyst: A Solution To Global Warming
464	Mohamed Maoudj, Djoudi Bouhafs, Nacer Eddine Bourouba, Abdel Kader El Amrani, Rabah Boufnik and Abd El Hak Ferhat Hamida	Effect of oxidation temperature on the electrical properties of the bulk in p type Cz- silicon
495	Toufik Zarede, Hamza Lidjici and Achour Mahrane	Cylindrical Heterojunction Silicon Solar Cell Modeling by 3D Atlas-Silvaco
507	Tahar Chenaf, Boubakeur Zegnini and Ali Benghia	Diagnostic of the decomposition of sulfur hexafluoride (SF6) insulated equipments due to partial discharges using a hollow carbon nanotubes (CNTs) rolled up from grapheme sheets
600	Ozgur Cevher and Hatem Akbulut	Study of NASICON-type Structured Li1.4Al0.4Ti1.6(PO4)3 Conducting Electrolyte
609	Fuat Kayis, Akbulut Hatem and Miraç Alaf	α -MnO2/Pt Decorated Graphene Air-Breathing Cathodes for Li-O2 Batteries
610	Fuat Kayis, Miraç Alaf and Hatem Akbulut	Thermal Evaporation and Plasma Oxidation of Tin onto Buckypapers for Li-ion Batteries as Anode Material
634	Waleed Fadel, Ulaş Kılıç and Sezai Taşkın	Optimal placement of different type of DG sources in distribution Networks for improvement of performance using artificial bee colony algorithm
645	Souraya Bouachma, Abdelkrim Kheloufi, Aissa Kefaifi and Sabiha Anas	Study of briquette's mechanical properties for the carbothermic process
660	Sabiha Anas Boussaa, Abdelkrim Kheloufi, Naima Boutarek Zaourar and Souraya Bouachma	Process for purifying Algerian silica sand by acid leaching
675	Kamil Musa Ordu and Kübra Aydın	SAFE RELATION BETWEEN NUCLEAR POWER PLANT AND POWER TRANSMISSION SYSTEM
723	Boubendira Khaled, Labiod Kotbia, Benayache Sihem, Aouadja Faycel and Meradi Hazem	Study of structural and thermal properties of SiO2 and MgO in the Diatomite
785	Özge Tüzün Özmen, H. Muzaffer Şağban and Tuğba Özdemir	The performance comparison of amorphous, polycrystalline and monocrystalline silicon solar cells between 2014 and 2015
789	Lyes Zougar, Samira Sali, Salim Kermadi, Khadidja Mahdid, Massaoud Boumaour and Mohamed Kechouane	Effect of Nitrogen Content on Electrical Properties of Ultrasonic Spray Pyrolysed Al2O3 Thin Films For Silicon Solar Cell Applications
794	Souici Mohamed, Hamdi Mostapoha and Aouissi Mokhtar	Numerical simulation of compressible flow in Convergent divergent nozzle
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Theme -4: Earth Science and Applications

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334	Bahaa Eldin Amin, Mohamed El Tokhi, Sulaiman Alaabed and Hasan Arman	PETROCHEMISTRY OF THE MANTLE PERIDOTITE ROCKS OF MASFOUT - HATTA AREA, UNITED ARAB EMIRATES
637	Tuğba TÜRker and Yusuf Bayrak	A FRONT VIEW OF SEISMICITY ACCORDING TO PREDICTION EARTHQUAKE HAZARD PARAMETERS USING DIFFERENT STATISTIC MODELS IN THE WESTERN ANATOLIAN (WA), WEST TURKEY
692	Romeo-Iulian Olariu, Cecilia Arsene, Laurentiu-Valentin Soroaga, Mitica Pintilei, Valentin Nica and Catalin Borcia	Chemical properties of available materials for the recovery of rare earth elements

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41	Amina Kemmar	A CP-based approach for mining Closed Sequential patterns
50	Asmaa Maghni, Madani Ghelamallah and Abderrazak Benghalem	Sorptive Removal of Methyl Green from Aqueous Solutions using Activated Bentonite
74	Abderrahim Bellifa, Mohammed Makhlof, Madani Ghelamallah and Zahra Hachemi Boumila	Comparative study of the adsorption of methyl orange by bentonite and activated carbon
75	Karima Boudouara, Abderrahim Bellifa and Madani Ghelamallah	PREPARATION AND CHARACTERIZATION OF ALGERIAN BENTONITE CLAY AND INVESTIGATION FOR METHYL VIOLET DYE ADSORPTION
91	Ali Mumcu and Murat Hacıömeroğlu	Depth Estimation using Single Camera Stereo Vision
106	Kaci Samira, Azzouz Fares and Keffous Aissa	Photochemical Conversion of CO ₂ into Methylalcohol Using SiC Micropowder Under UV Light
125	Noureddine Hadidi, Bennacer Rachid and Ould-Amer Yacine	Thermosolutal natural convection on three-dimensional in a bi-layered porous enclosure
156	Zhuldyz Sailau Kyzy, Gennadi Ovechkin, Dina Satybaldina and Nurlan Tashatov	Parameters Optimization of the Multithreshold decoders for non-binary error correcting codes
166	Zhuldyz Sailau Kyzy, Dina Satybaldina, Nurlan Tashatov and Askarbek Sadykov	Performance Improvement of Data Storage Systems Due to the Optimization of the Concatenated Coding Schemes
201	Nuri Akkaş	Effect of Welding Current and Time on Tensile-Peel Loading in Resistance Spot Welding of SPA-H Steel Sheets Used in Railway Vehicles
202	Nuri Akkaş, Volkan Onar and Salim Aslanlar	Effect of Welding Current on Tensile-Peel Loading in Resistance Spot Welding of TRIP 800 and Micro Alloyed Steels
279	Recep Kiliç, Recep Kozan, Durmuş Karayel and Sinan Serdar Özkan	Application of Predictive Maintenance System in Drinking Water Pumping Stations
298	Zarina Khassenova, Saule Rakhmetullina, Vladimir Penenko and Kazizat Iskakov	Analysis of the work system ecological monitoring of change of the chemical composition atmosphere
299	Zarina Khassenova, Saule Rakhmetullina, Vladimir Penenko and Kazizat Iskakov	Management the development and testing of systems of forecasting changes of the chemical composition of the atmosphere
308	Khelil Ali, Bouhamidi Youcef, Braikia Mohamed and Nechad Said	Numerical investigation of the geometry influence on the aerodynamic fields of the free turbulent jets

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427	Mahmoud Bennaser and Ahmed Bennakhi	Applying Power Gating on D Flip-Flops
428	Mahmoud Bennaser and Abdulwahab O. Yousef	Circuit Topology Optimization Using Logical Effort Technique
437	Bouazza Hadjira, Fadli Ouahiba and Bendaas Mohamed Lokmane	Matrix converter control strategies
541	Sedat Iric	Investigation Of Crack Propagation Behaviour On Thermal Spray Coated Aluminum 7075 Alloy
545	Murat Ozsoy, Deniz Demircioglu Diren and Neslihan Ozsoy	Plastic Toy Design Using Reverse Engineering Techniques
546	Murat Ozsoy, Neslihan Ozsoy, Emre Sonmez and Mehmet Firat	Structural Crashworthiness Analysis of a Railway Vehicle
552	Merwan Saad Saoud, Abbasi Hadj Ahmed, Zuhail Er and Zahir Rouabah	Experimental study of degradation modes and their effects on reliability of photovoltaic modules after 12 years of field operation in steppe region
554	Semra Boran and Deniz Demircioglu Diren	Analysis of Out Of Control Signals in Multivariate Processes with Multilayer Artificial Neural Network
579	Murat Ozsoy and Cuneyt Kurnaz	An optimization Study of a Hydraulic Gear Pump Cover With Finite Element Method
580	Murat Ozsoy, Neslihan Özsoy, Mehmet Firat and Umit Kocabicak	Computer Aided Failure Analysis and Fatigue Life Prediction of a Drive Shaft Assembly
594	Zahreddine Nafa, Abdallah Nahal, Faouzi Bouras and Yacine Cherait	Jointing and glulam of North African's Aleppo Pin: Determination of some physical and mechanical properties.
636	Recep Kılıç and Hüseyin Cinal	Su Dağıtım Şebekelerinde Günlük Tüketim Eğrisi ile Fiziki Sızıntı Analizi
641	Şemsettin Kılınçarslan, İskender Akkurt, İ.Serkan Üncü, Feyza Akarşan, Kadir Günoğlu and Ecir Uğur Küçükşille	Determination of Barite-Coated Fabric of Radiation Absorption Characteristics Using Data Mining
653	Boudiaf Adel	Application of Cepstrum Analysis for Gear Fault Diagnosis
735	Noureddine Chami and Azzeddine Djaiz	A New miniature Microstrip Two-Layer Bandpass Filter Using Aperture-Coupled Hairpin resonators N.Chami(1), D. Saigaa(1), A.Djaiz(2), (1) University of M'Sila, ALGERIA,(2)Yanbu Industrial College, KSA nourchami@gmail.com
752	Zulaiha Ali Othman	Association Ozone and Temperature Patterns based on K-means and Appriori in Lembah Kelang, Malaysia
779	Shahla Azizi, Parmida Moradi and Seyed Mohammadmehdi Mirbagheri	Comparison of motor potential evoked by transcranial magnetic stimulation in normal children and adults
814	Ahmet Beycioğlu, Adil Gültekin and H. Yılmaz Aruntaş	Usability of FL modeling for prediction of fresh properties of SCC
815	Ahmet Beycioğlu, Bekir Çomak and Dilara Akçaabat	Evaluation of pH value by using image processing
816	Ahmet Beycioğlu, Dilara Akçaabat, Abdülkerim Aydın and Adil Gültekin	Properties of cement paste and mortar containing sodiumtripolyphosphate

Theme -6:Material Science and Applications

10	Ouici Houari Boumediene	Synthesis and investigation of 1,3,4-thiadiazole 2-thiol Schiff base 5-MTT as corrosion inhibitor for Mild steel in Hydrochloric Acid: relationship between inhibition action and quantum chemical parameters
39	Bülent Aktaş, Mehmet Albaşkara, Kaan Doğru and Şerife Yalçın	Mechanical properties of soda–lime–silica glasses doped with egg shell powder
43	Bulent Aktas, Mehmet Albaskara, Serife Yalcin and Kaan Dogru	Optical properties of soda–lime–silica glasses doped with egg shell powder
49	Koubra Aribi, Madani Ghelamallah, Abderrahim Bellifa and Fouzia Bousehaba	The role of CeO ₂ -Doping of g-Al ₂ O ₃ on its Structural and Superficial Area
56	Lekadir Fazia and Tigrine Rachid	The vibration dynamics of the ordred bimetallic Pt(110)Cu(110)/Pt surface alloys
57	Dali-Youcef Zohra and Dheilily R.M.	Iron (II), Cobalt (II) and Copper (II) adsorption from aqueous solutions by dam sediments
58	Bülent Aktaş, Vehbi Balak and Cemal Çarboğa	Dry sliding wear behavior of boron-doped AISI 1020 steel
62	Nadjet Taoualit, Ismail Abidet and Djamel-Eddine Hadj-Boussaad	Separation of Copper and Zinc from aqueous solution using Liquid-Membrane-Gel containing Trioctylphosphine Oxide TOPO as Carrier
70	Aliye Arabaci	Study on Sm ³⁺ and Er ³⁺ co-doped CeO ₂ -based electrolytes
71	Berkin Kılınc and Sebahattin Kirtay	Influence of Cu Addition and Austempering Treatment on Mechanical Properties and Microstructure of GGG 50
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82	Farida Bouanani	Modelisation of polysiloxane miniemulsion SANS spectra
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89	Zaoui Fatiha	Solid-Liquid Extraction of Ni (II) in Nitrate medium by Palmitic Acid-impregnated (1180) Resin.
95	Fadila Mezrag and Nadir Bouarissa	Electronic properties of Al _x In _{1-x} P ternary semiconductor alloys
107	Bendoukha Abdelkarim Reguig, Abderrahman Remil, Yahiaoui Ahmedand Younes Mouchaal	Synthesis of conducting polymers and soluble application in organic photovoltaic cells
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113	Aïcha Hachemaoui, Hasnia Merah and Ahmed Yahiaoui	Synthesis and characterization of poly(2,5-dimethoxyaniline) and poly(aniline-Co-2,5-dimethoxyaniline) /montmorillonite nanocomposites
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172	Khenifer Miloud, Allaoui Omar and Taouti Mohamed Benabdallah	Effect of boriding on the oxidation resistance of 316L Stainless Steel
174	Rayane Karim, Allaoui Omar and Allaoui Laid Abdelkrim	Effect of diffusion annealing on borides layers produced on XC38 steel
176	Derya Kırsever and Hüseyin Özkan Toplan	Structural Properties of Zirconium Modified (Na _{0.5} Bi _{0.5})TiO ₃ Ceramics by Mechanical Activation
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341	Rachida Amichi and Smain Bourahla	Microstructure Evolution of Superplastic Al-Li Alloys
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372	Hakan Ceylan and Metin Davraz	Estimating the compressive strength of waste andesite powder added concrete with artificial neural network.
374	İbrahim Altınsoy, Gözde F. Çelebi Efe, K. Göker Önder and Cuma Bİndal	An Evaluation of Double Stage Nitrided 34CrAlNi7 Steel
375	Hakan Ceylan and Saim Saraç	The usage of perlitic pumice from İzmir-Menderes (Turkey) in the production of low strength lightweight concrete
391	Eray Abakay, Mustafa Durmaz, Saduman Sen and Ugur Sen	An Electrochemical Study of the Corrosion Resistance of Niobium Aluminum Carbonitride Coating Produced through Thermo-Reactive Diffusion Technique
416	Filiz Ugur Nigiz, Derya Unlu and Nilufer Durmaz Hilmioğlu	Carbon black loaded composite poly(dimethyl siloxane) membrane preparation and application for hazardous chemical removal from water
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447	El Amrani Abdelkader, Bouchehame Abdelghani, Boufnik Rabah and Boudaa Mokhtar	DESIGN OF SOLAR CELLS P+/N EMITTER BY SPIN-ON TECHNIQUE
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455	Seçil Ekşi and Kenan Genel	Comparison of Mechanical Properties of Unidirectional and Woven Carbon, Glass and Aramid Fiber Reinforced Epoxy Composites
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468	Othmani Boubaker and Boucetta Said	Characterizing the impact of the welded structure the mechanical properties of austenitic stainless steel
483	Nabil Khelifati, Djoudi Bouhafs, S-E-H. Abaidia and Yacine Kouhlane	On the simultaneous segregation gettering of chromium, iron and nickel in silicon
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520	Sedat İriç and Ali Osman Ayhan	Rolling Direction Dependence On Fracture Toughness In 7075 Aluminum Alloys
538	Beyhan Erdem, Sezer Erdem, Alime Çıtak, Can Yavru and Ramis Mustafa Öksüzöğlü	Preparation, Characterization and Catalytic Properties of SBA-15-SO ₃ H Supported Tungstophosphoric Acid for Esterification Reaction
539	Gözde Fatma Çelebi Efe, Cuma Bindal, Sakin Zeytin and Mediha İpek	Pack Siliconizing of Ti6Al4V Alloy
540	Sezer Erdem, Ramis Mustafa Öksüzöğlü, Saliha Büşra Avşar and Beyhan Erdem	Magnetic Mesoporous Silica Nanocomposite for Biodiesel Production
542	Gözde Fatma Çelebi Efe, Cuma Bindal and A. Hikmet Ucisik	Microstructure and Properties of UHWPE- TiO ₂ Composites for Hip Joints
558	Abdulkadir Kızılaslan, İbrahim Altınsoy and Tuba Yener	Effect of Solution Temperature and Aging Time for Highest Strength Parameters on CuCoNiBe Alloys
566	Muhammed Kartal, Ahmet Alp and Hatem Akbulut	Pulse electrodeposition of copper-zinc coatings from an alkaline bath
568	Muhammed Kartal, Ahmet Alp and Hatem Akbulut	Sliding speed effect on the wear behavior of Ni-TiN composite coatings
569	Rabeh Boufenar, Mohamed Bouamar	Numerical Analysis of Temperature Sensor Based on Photonic Band Gap Effect in Photonic Crystal Fiber

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598	Aydın Karabulut, Bülent Kilinç, Mustafa Durmaz, Uğur Şen and Şaduman Şen	Investigation on the effect of Zn addition on the properties of Ni-B based electroplating coatings
599	Nilgün Kaya Karabulut, Mustafa Şeker and Aydın Karabulut	Artificial Neural Networks (ANNs) in Material Science: Compression Test Laboratory Application
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625	Mehmet Ekici and Uğur Özsarac	INVESTIGATION OF THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF THE GRADE A SHIP PLATES JOINED BY SUBMERGED ARC WELDING
656	Mouad Mazhoud, Abdesselam Hocini and Mounir Bouras	Design of Optical waveguides Made by SiO ₂ /ZrO ₂ for integrated Mach-Zehnder Interferometry
659	Nabila Taibouni and Thomas Calligaro	Analysis of Archaeological Artefacts by X-Ray Fluorescence
676	Foudil Sahnoune, Djaida Redaoui, Ameer Ouali and Menad Heraiz	Effects of B ₂ O ₃ on Phase Transformation and Sintering of Cordierite Synthesized from Algeria Kaolinite and MgO
677	Djaida Redaoui, Foudil Sahnoune, Menad Heraiz and Nouari Saheb	Phase Transformation Behavior of Cordierite Prepared from Algeria Kaolinite with Excess Magnesium Oxide
699	Ali Tozar and İsmail Hakkı Karahan	Electrophoretic Deposition of Hydroxyapatite/Chitosan Coatings on Ti6Al4V Biomedical Implants from a Different Polyelectrolyte Suspension
737	Nathir Al-Rawashdeh, Akram Rosan and Inam Sryheen	Corrosion Inhibition of Mild Steel by Surfactants in Acidic media
740	Borhan Albiss, M-Ali Al-Akhras and Rawan Bani Amer	Fabrication of dye sensitized solar cells based on TiO ₂ /graphene nanocomposites
769	Othmani Boubaker	EXPERIMENTAL STUDY OF SPECIFICATIONS tungsten INERT GAS WELDING ALLOY Alumunium 2024 A THIN.
786	Tuğba Özdemir, H. Muzaffer Sağban, Aynur Öztürk and Özge Tüzün Özmen	Study on the frequency and voltage dependent dielectric characteristics of the Au/P3HT:F4-TCNQ/n-Si Schottky barrier diode
787	Özge Tüzün Özmen, Mehmet Karaman, S. Habibpur Sedani and Raşit Turan	Fabrication of poly-Si thin films by solid phase epitaxy (SPE) technique on phosphorus doped AIC poly-Si seed layer
795	Kadir Gunoglu, Iskender Akkurt, Nalan çiçek Bezir and Atilla Evcin	Investigation of Gamma Ray Attenuation Coefficient of Some Polymers for 54Mn and 22Na Sources
796	Esraa Al-Saray, Iskender Akkurt, Kadir Gunoglu, Atilla Evcin and Nalan Cicek Bezir	Radiation Shielding Properties of Some Composite Panel
799	Ouici Houari Boumediene	Synthesis and characterization of 1.2.4-triazole 3-thiol and 2-amino 1.3.4-thiadiazole heterocyclic derivatives as eco-friendly corrosion inhibitors of mild steel in hydrochloric acid solution

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33	Hüseyin Ozan Tekin, Umit Kara, Özlem Öztürk and Tuğba Manici	A Prediction Study on Bremsstrahlung Photon Flux of Tungsten (W) as a Radiological Anode Material by Using MCNP-X and Artificial Neural Network (ANN) Modeling
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404	Abdellah Miloudi	Synthesis of quinoline derivatives, Analogous to natural products
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414	Gezim Hodolli, Sehad Kadiri, Gazmend Nafezi, Meleq Bahtijari and Naim Sylá	REFERENCE LEVELS OF DOSE AREA PRODUCT IN INTRAORAL AND DENTAL PANORAMIC RADIOLOGY
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476	Lagha Nouria, Abdelouahid Djamel Eddine, Hassaïne Hafida, Robin Frédéric and Bonnet Richard	First characterization of β - lactamases among clinical isolates of enterobacteria in Laghouat Hospital, Algeria
497	Touhami Moufida and Rahmouni Ali	QSAR models using quantum descriptors for predicting anti-HIV activity of 1 - [(2-hydroxyethoxy) methyl] -6 (phenylthio) thymine
500	Umit Kara	Clinical Nuclear Medicine Experiences with Tc-99m Mıbı
501	Umit Kara	Organ Dose Calculations Using Monte Carlo Methods Applied with Tc-99m Dmsa
505	Ebru Uyar, Cengiz Corbaci and H. Tansel Yalcin	Isolation and Identification of Novel <i>Bacillus</i> sp. and Partial Characterization of Its Extracellular Enzymes
529	Deniz Altun Çolak, Tuğba Atici and Handan Uysal	Role of Oleuropein on <i>Drosophila</i> Induced ZnOTiO ₂ Nanocomposite
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733	Krim Abderrahmane, Saïd Ghezali and Abdellah Miloudi	Synthesis and pharmacomodulation aldimines: Aldimines 2-methyl imidazo [1,2-a] pyridine-3-carboxaldehyde
741	Rami Alkhatib, Batool Alkhatib, Laith Al-Eitan, Nour Abdo and Riyadh Muhaidat	Structural and ultrastructural responses of leaf and root cells of <i>Nicotiana tabacum</i> var. Turkish to exogenous caffeine
784	Afef Azzi	Elaboration of Natural Hydroxyapatite Using Calcination at Various Temperatures
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802	Umit Kara, Abdullah Kaya and Hüseyin Ozan Tekin	ADULT PATIENT RADIATION DOSES with MULTISLICE COMPUTED TOMOGRAPHY EXAM: MSCT SATANDARD PROTOCOLS
803	Abdullah Kaya, Umit Kara, Mustafa Yıldız and Hüseyin Ozan Tekin	ADULT PATIENT RADIATION DOSES with PET/CT EXAM
804	Umit Kara, Göksel Göçmen and Hüseyin Ozan Tekin	PEDIATRIC RADIATION DOSES with MULTISLICE COMPUTED TOMOGRAPHY EXAM: MONTE CARLO SIMULATION

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424	Djamila Deffairi, Khadidja El Bar and Louisa Benahmed	Study of the effect of the incorporation of spirulina on the nutritional and organoleptic quality of both dairy products: custard and flavored stirred yoghurt
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