

# SCIENTIFIC PROGRAMME OF ICCESEN-2018

**12 October 2018-Friday**

11.00-12.30	<b>REGISTRATION-CHECK IN</b>
12.30-14.00	<b>LUNCH</b>
14.00-16.30	<b>REGISTRATION-CHECK IN</b>
16.30	<b>WELCOME COCTAIL</b>
19.30	<b>DINNER</b>

# 13 October 2018-Saturday

09.30-09.45	<b>Room 1:</b> <b>Opening Ceremony</b> Chair: Prof.Dr.Madjid FATHI					
09.45-10.45	<b>Invited Speaker 1:</b> Prof.Dr. Numan Akdoğan <b>Invited Speaker 2:</b> Prof.Dr. Sushil Kumar KANSAL					
10.45-11.15	<b>Group Photo and COFFE BREAK (Poster Session)</b>					
Session 1 11.15-12.30	<b>Room 1 (Theme 1)</b>	<b>Room 2 (Theme 2)</b>	<b>Room 3 (Theme 3)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Miljko Sataric	<b>Session chair:</b> Prof.Dr.Gerhard-Wilhelm Weber	<b>Session chair:</b> Dr. Assia Boukezzata	<b>Session chair:</b> Dr. Latif Onur Ugur	<b>Session chair:</b> Dr. Razika Boushaki	<b>Session chair:</b> Dr. Fatma Gode
	<b>Abstract #</b> 77-78-93-107-109-616	<b>Abstract #</b> 35-112-122-123-128-630-631	<b>Abstract #</b> 31-61-73-104-117	<b>Abstract #</b> 75-114-150-151-420	<b>Abstract #</b> 12-13-16-17	<b>Abstract #</b> 9-15-18-80-102
12.30-14.00	<b>LUNCH (Poster Session)</b>					
Session 2 14.00-15.45	<b>Room 1 (Theme 1)</b>	<b>Room 2 (Theme 2)</b>	<b>Room 3 (Theme 3)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Tzong-Jer Chen	<b>Session chair:</b> Dr. Vilda Purutçuoğlu	<b>Session chair:</b> Dr Hammou Tebibel	<b>Session chair:</b> Dr. Mouloud Challal	<b>Session chair:</b> Dr. Razika Zamoum Boushaki	<b>Session chair:</b> Dr. Naim Sylva
	<b>Abstract #</b> 111-218-219-245-301-344-437	<b>Abstract #</b> 129-208-294-372-373-495-576-366-614-629-	<b>Abstract #</b> 145-180-192-193-199	<b>Abstract #</b> 20-26-29-34-36-54	<b>Abstract #</b> 76-82-91-98-99-100	<b>Abstract #</b> 103-105-110-125-146-162-
15.45-16.00	<b>COFFE BREAK (Poster Session)</b>					
Session 3 16.00-18.00	<b>Room 1 (Theme 1)</b>	<b>Room 2 (Theme 4)</b>	<b>Room 3 (Theme 3)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Shukri Klinaku	<b>Session chair:</b> Dr. Abdelhak Tabet	<b>Session chair:</b> Dr. Zuhail ER	<b>Session chair:</b> Dr.Abdelmadjid Reciou	<b>Session chair:</b> Dr. Feriel Abahri	<b>Session chair:</b> Dr.Weitao Li
	<b>Abstract #</b> 388-460-553-562-585-608-609-615	<b>Abstract #</b> 59-60-144-157-158-175-185-	<b>Abstract #</b> 238-240-260-261-386-454-456	<b>Abstract #</b> 115-124-127-130-132-190-191	<b>Abstract #</b> 154-160-164-165-166-167	<b>Abstract #</b> 228-229-262-269-271-272-276
19.30	<b>DINNER (Gala Dinner)</b>					

## POSTERS LIST #-

**Theme 1:** 116-188-189-195-263-299-313-314-329-357-368-461-477-578-588

**Theme 2:** 428-531-565-573

**Theme 3:** 47-182-211-221-222-237-250-253-254-259-296-358-459-473-499-511-567-568-570-572-579-610-611

**Theme 5:** 14-42-45-58-64-85-94-108-148-172-177-178-200-205-223-285-464-619-626

**Theme 6:** 23-25-37-41-67-140-141-235-236-241-277-298-302-303-457-462-597-625

# 14 October 2018-Sunday

	<b>Room 1:</b>					
	<b>Chair:</b> Prof.Dr. Oleg Burdakov					
09.00-11.00	<b>Invited Speaker 3:</b> Prof.Dr.Madjid FATHI <b>Invited Speaker 4:</b> Prof.Dr. Ravindra NUGGEHALLI <b>Invited Speaker 5:</b> Prof.Dr. Mohammad Shaheer AKHTAR <b>Invited Speaker 6:</b> Prof.Dr.Ahmad UMAR					
11.00-11.15	<b>COFFE BREAK (Poster Session)</b>					
Session 4 11.15-12.30	<b>Room 1 (Theme 7)</b>	<b>Room 2 (Theme 4)</b>	<b>Room 3 (Theme 3)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Yonca Yahşi Çelen	<b>Session chair:</b> Dr. Ali Ateş	<b>Session chair:</b> Dr. Mingda Dong	<b>Session chair:</b> Dr. Hubert Anysz	<b>Session chair:</b> Dr. Atilla Evcin	<b>Session chair:</b> Dr. Fatma Zohra Tighilt
	<b>Abstract #</b> 310-311-325-341-353	<b>Abstract #</b> 202-252-267-287-406	<b>Abstract #</b> 442-475-480-494-498-537-548-581	<b>Abstract #</b> 170-187-196-138-147	<b>Abstract #</b> 203-209-210-213-214	<b>Abstract #</b> 282-284-351-352-359-95-96
12.30-14.00	<b>LUNCH (Poster Session)</b>					
Session 5 14.00-15.45	<b>Room 1 (Theme 7)</b>	<b>Room 2 (Theme 9)</b>	<b>Room 3 (Theme 10)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Arslan Say	<b>Session chair:</b> Dr. Zuhale ER	<b>Session chair:</b> Dr. Amer Al Abdel Hamid	<b>Session chair:</b> Prof. Mario Vranješ	<b>Session chair:</b> Dr. Nabi Ibadov	<b>Session chair:</b> Dr. Atilla Evcin
	<b>Abstract #</b> 418-419-481-505-529-530	<b>Abstract #</b> 131-231-289-330-433-443	<b>Abstract #</b> 32-33-66-149-198-206-239	<b>Abstract #</b> 232-233-242-243-247-256-257	<b>Abstract #</b> 264-265-266-268-274-275	<b>Abstract #</b> 362-375-383-384-389-393-440-538-624
15.45-16.00	<b>COFFE BREAK (Poster Session)</b>					
Session 6 16.00-18.00	<b>Room 1 (Theme 7)</b>	<b>Room 2 (Theme 7)</b>	<b>Room 3 (Theme 10)</b>	<b>Room 4 (Theme 5)</b>	<b>Room 5 (Theme 5)</b>	<b>Room 6 (Theme 6)</b>
	<b>Session chair:</b> Dr. Vilda Purutçuoğlu	<b>Session chair:</b> Dr. Menekşe Varol	<b>Session chair:</b> Dr. Seher Arslankaya	<b>Session chair:</b> Prof. Artur Zbiciak	<b>Session chair:</b> Dr. Mohammed Bouchahdane	<b>Session chair:</b> Dr. Esra Dokumacı
	<b>Abstract #</b> 552-586-589-204-215-136-161	<b>Abstract #</b> 169-246-248-371-622-623	<b>Abstract #</b> 273-279-281-288-315-318-319-535	<b>Abstract #</b> 278-291-297-321-326-327-328	<b>Abstract #</b> 334-335-336-337-345-347-348-349	<b>Abstract #</b> 452-453-500-501-502-503-504-620-621
19.30	<b>DINNER</b>					

## POSTERS LIST #

**Theme 4:** 28-163-184-363-520-566-583

**Theme 5:** -425-426-430-434-438-439-450-455-486-491-533-554-555-577-601

**Theme 6:** -293-414-415-421-435-472-492-493-510-512-516-517-518-519

**Theme 7:** 46-56-68-72-86-87-168-244-316-360-374-397-398-422-429-478-605

**Theme 9:** 333-367-479-528

**Theme 10:** 65-179-309-320-364-476-534-628

# 15 October 2018-Monday

<b>Room 1:</b>							
<b>Chair:</b> Prof. Dr Madjid FATHI							
09.00-11.00	<b>Invited Speaker 7:</b> Prof.Dr. Dr. Sadia AMEEN <b>Invited Speaker 8:</b> Prof.Dr. Gerhard-Wilhelm WEBER- <b>Invited Speaker 9:</b> Prof.Dr. Oleg Burdakov <b>Invited Speaker 10:</b> Prof.Dr. Surinder Kumar MEHTA						
11.00-11.15	<b>COFFE BREAK (Poster Session)</b>						
Session 7 11.15-12.30	<b>Room 1</b>	<b>ICSUSAT-2018</b>	<b>Room 3</b>	<b>Room 4 ( Theme 5 )</b>	<b>Room 5 ( Theme 5 )</b>	<b>Room 6 ( Theme 6 )</b>	
				<b>Session chair:</b> Dr. Ayse Pekrioglu Balkis	<b>Session chair:</b> Dr. Eyüp Bilgiç	<b>Session chair:</b> Dr. Irida Markja	
				<b>Abstract #</b> 350-369-379-380-381	<b>Abstract #</b> 382-395-396-399-404-405	<b>Abstract #</b> 509-523-524-525-526	
12.30-14.00	<b>LUNCH (Poster Session)</b>						
Session 8 14.00-15.45		<b>ICSUSAT-2018</b>		<b>Room 4 ( Theme 5 )</b>	<b>Room 5 ( Theme 5 )</b>	<b>Room 6 ( Theme 6 )</b>	
				<b>Session chair:</b> Prof. Dr. Kiwon Yeom	<b>Session chair:</b> Dr. Yücel Can	<b>Session chair:</b> Dr. Alaeddine Kaouka	
				<b>Abstract #</b> 411-423-427-431-441-447	<b>Abstract #</b> 451-465-482-483-484-485-627	<b>Abstract #</b> 557-560-561-249-590-617-618	
15.45-16.00	<b>COFFE BREAK (Poster Session)</b>						
Session 9 16.00-18.00		<b>ICSUSAT-2018</b>	<b>ICSUSAT-2018</b>	<b>Room 4 ( Theme 5 )</b>	<b>Room 5 ( Theme 5 )</b>		
					<b>Session chair:</b> Dr. Murat Ozsoy	<b>Session chair:</b> Prof.Dr. Murat Yazıcı	
					<b>Abstract #</b> 487-488-515-521-522-532-593	<b>Abstract #</b> 542-543-546-547-556-558-559	
19.30	<b>DINNER</b>						

## POSTERS LIST #

**Theme 5:** 295-300-317-346-385-387-400-412-413-580-613

**Theme 6:** 251-544-545-551-582-606-607-343-356-376-390-403-407-408-409-506-507

**Theme 8:** 155-156

# 16 October 2018-Tuesday

<p><b>09.00-11.00</b></p>	<p><b>CLOSING -- CHECKING OUT</b></p>
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# ORAL PRESENTATIONS IN ICCESEN-2018

## Theme -1: Physical Science and Technology

77	Y. Ceylan, A. Aamoum, M. Karakaya, Z. Erdem Koç, M. Taşer, N. Eren, M. H. Colpan, S. Taboukhat, A. Migalska-Zalas , A. Karakaş	Theoretical Studies on Linear Optical Characterization and Quadratic Nonlinear Optical Phenomena of Dipolar Subunits Described for an Octupolar System
78	N. Eren, A. Aamoum, M. Karakaya, Z. Erdem Koç, M. Taşer, Y. Ceylan, M. H. Colpan, S. Taboukhat, A. Migalska-Zalas , A. Karakas	Quantum Chemical Calculations on Linear and Cubic Nonlinear Optical Behaviour of Dipolar Subunits Described for an Octupolar System
93	Mouatsi Abdelmalek	Modeling of the Carbon Nanotubes Field Effect Transistors
107	Shukri Klinaku	Galilean relativity and the Doppler effect are a single phenomena
109	Shukri Klinaku	The Doppler effect is the same for both – optics and acoustics
111	Dr. Tzong-Jer Chen	A Novel Barite Shielding Board Properties
218	Güldem Ürer	Energy Levels of Hydrogen Like Mendelevium
219	Güldem Ürer	Allowed and Forbidden Transitions of Hydrogen Like Mendelevium
245	Ahmad Alsaad	Structural, optical and magnetic properties of $MxPt_{1-x}$ (M= Co, Ni and V) binary alloys.
301	Gaber Faisel	CP violation in D mesons as a probe of new physics
344	Miljko Sataric, Dalibor Sekulic and Bogdan Sataric	Nonlinear calcium ion waves along actin filaments control active hair–bundle motility
388	Antonio Pascau, Victor J Llorente and Muslum Arici	Some progress on the development of ENATE for 2D problems
437	Zohra Dali-Youcef	Use of titanium oxide in phenol degradation
460	Susan Shukur Noori, İskender Akkurt and Nurdan Karpuz Demir	Calculations of Cross Sections of Copper and Zinc Nuclei Induced by Proton, Helium-3 and Alpha Particle to Produced Gallium-66
553	Sameer A-Obaidi, Hakan Akyildirm, Kadir Günoğlu and Iskender Akkurt	FLUKA calculation for neutron shielding from 252Cf source
562	Sameer Alobaidi, Kadir Gunoglu, Hakan Akyıldırım and Iskender Akkurt	An Experimental Test for neutron shielding
585	Zehra Nur Kuluöztürk and Nilgün Demir	Monte Carlo simulations of detection efficiency for 3"×3" NaI(Tl) detector
608	Nurdan Karpuz Demir, Iskender Akkurt and Susan Shukur Noori	Theoretical Cross Section Calculation of Alpha Induced Reactions for Production Some Medical Radioisotopes
609	Nurdan Karpuz Demir and Betül Ertan	Theoretical Investigation of Excitaiton Functions of Neutron, Alpha, Proton and Gamma Induced Nuclear Reactions on Some Shielding Material
615	Faez Waheed, Kadir Gunoglu, Hakan Akyıldırım and Iskender Akkurt	Variation of Detector Resolution with the Source-Detector Distance
616	Faez Waheed, Hakan Akyıldırım, Kadir Gunoglu and iskender Akkurt	An Investigation of Buildup Factor Importance for NaI(Tl) Detector System

## Theme -2:Mathematical Science and Applications

35	Feriel Abahri and Razika Zamoum Boushaki	Eigenstructure assignment via block pole placement
112	<a href="#">Vilda Purutçuoğlu and Gül Bülbül</a>	Selection of Optimal Model Selection Criterion for Protein-Protein Interaction Networks
122	Hicham Bourouina, Réda Yahiaoui, Fathi Brioua, Rachid Kerid, Rachid Deghdak and Nouredine Derguini	Influence of H adatoms induced energy shift on the resonance frequency of Si nanobeam
123	Valbone Berisha	The law of cosines and relative motion
128	Dursun Ustundag	Detecting noisy sinusoids and estimating their parameters in Bayesian framework
129	Dursun Ustundag and Uğur Yahsi	Bayesian Inferential Analysis of Positron Lifetime Spectra
208	Mr Sun Liang, Li Baozhu, Li Yong and Jiao Yuwei	Application of Sampling with Unequal Probability in Hydrocarbon Resources Assessment
294	<a href="#">Burim Kamishi</a>	On the Correlation Function of Partially Coherent Light from Two Different Transparencies
366	Arzu Turan Dincel	Taylor Wavelet Method for Solving Fractional-order Differential Equations
372	Burak Kurt	A Note On The Symmetric Relation for Degenerate Genocchi Polynomials
373	Burak Kurt	Explicit Relations For The Generalized q-Poly-Genocchi Polynomials
495	<a href="#">Hajar Farnoudkia and Vilda Purutçuoğlu</a>	Expectation-Maximizaion Algorithm for Inference of Time Series Chain Graphical Model
576	Nevin Gürbüz and Dae Won Yoon	Hasimoto surfaces for two classes of curve evolution according to Frenet frame in Minkowski 3-space
614	Gerhard-Wilhelm Weber and Emel Savku	Stochastic optimal control under regime switches, paradigm shifts jumps and delay, in finance, economics and medicine
629	Sümeyra Uçar, Nihal Yılmaz Özgür and B. Billur İskender Eroğlu	Local-Generalization of Complex Derivative
630	Nihal Yılmaz Özgür and Sümeyra Uçar	The relation Between Poncelet Curves of Finite Blaschke Products and Golden Ratio
631	Necati özdemir and Mehmet Yavuz	A New Approximate Solution via the Fractional Operators Defined with Singular and Nonsingular Kernel

## Theme -3: Energy and Applications

31	Shi Xuedong and Yue Xiangan	Research and application of divinylbenzene-co-acrylamide microspheres as deep profile control agent in low permeability reservoir
61	Abdullateef Jadallah, Dr. Sahar Farag and Miss Jinan Hamdi	Investigation on The Performance of a Ducted Vertical Axis Wind Turbine
73	Dr. Israa Ahmed, Assist Prof. Dr. Abdullateef Jadallah and Dr. Hussain Ahmed	An Experimental study on Closed Loop Pulsating Heat Pipe Performance Using Ethanol with Different Tilting Angles
104	Penghui Su, Zhaohui Xia, Liangchao Qu, Ping Wang, Kening Zheng and Weikang Meng	Fractal characteristics of shale condensate reservoir based mercury intrusion experiment
117	Kun Qian, Shenglai Yang, Hongen Dou and Yu Huang	Experimental investigation on interfacial and swelling behavior of CO <sub>2</sub> -light crude oil system
145	Dr. Assia Boukezzata, Dr. Sihem Bouanik, Dr. Ammar Manseri, Dr. Samira Kaci, Dr. Hamid Menari, Dr. Lakhder Guerbous and Dr. Aissa Keffous	Elaboration and characterization of nanowire hydrogenated amorphous silicon carbide (a-SiC:H) thin films for energy conversion
180	Dr. Mingda Dong, Prof.Dr. Xiang'an Yue and Mr Shengcai Ling	Effect of dynamic pseudo threshold pressure gradient on well production performance in low-permeability and tight oil reservoirs
192	Lütfullah Gündüz and Şevket Onur Kalkan	A Technical Evaluation on the Determination of Thermal Comfort Parametric Properties of Different Originated Expanded and

		Exfoliated Aggregates
193	Lütfullah Gündüz, Şevket Onur Kalkan and A. Münir İsker	A Comparative Analysis on the Effects of Pumice, Tuff and Conventional Aggregates on Energy Efficiency Performance In New Generation Composite Mortars
199	Gazmend Pula, Yllka Kabashi, Valon Kabashi, Skender Kabashi and Naser Shala	Uses of Atmospheric Diffusion Equation in Modelling Air Quality from Steady-State Sources in Kosovo
238	Jolita Jablonskiene, Jurate Vaiciuniene, Vidas Pakstas, Giedrius Stalnionis, Audrius Drabavicius, Vitalija Jasulaitiene, Loreta Tamasauskaite-Tamasiunaite and Eugenijus Norkus	Investigation of Graphene Supported MnO <sub>2</sub> and Co <sub>3</sub> O <sub>4</sub> as Supercapacitors
240	Jin Wang	Study on the degradable ball sealer movement rule in the wellbore and plugging process in the perforation
260	Necati Fatih Demiral, Tayfun Doğan and Necibe Fusun Oyman Serteller	A Poynting Vector Approach to Electromechanical Energy Conversion on Electric Machine Operation
261	Tayfun Keskin and Necibe Fusun Oyman Serteller	Magnetic Levitation Circuit System Using Ferromagnetic and Hard magnetic material: Experimental Study
386	Debin Kong, Hu Guo, Haicheng She and Yiqiang Li	Laboratory Study of Oil Displacement Property of Super-critical CO <sub>2</sub>
442	Zuhal Er	Application of Analytic Hierarchy Method for Solar Artificial Intelligence Systems
454	<a href="#">Kamel Abdeladim</a>	A New Approach For Solar Radiation Forecast: Case of Algeria
456	<a href="#">Abdelhak Razagui</a>	Validation of forecasted solar radiation by WRF and calculated by libRadtran models using MERRA-2 DATABASE
475	Chawki Ameer Menad and Rabah Gomri	Design of thermal solar panel based on nano-materials, and micro-technology for hydrogen production.
480	Chawki Ameer Menad and Rabah Gomri	Combination Micro-technology with Solar Energy for Hydrogen Production.
494	Mr. Uğur Ensar Kandıra, Assoc. Prof. Muslum Arici and Prof.Dr. Hasan Karabay	A discussion on estimating overall heat transfer coefficient for composite walls
498	Mr. Cagatay Yildiz, Assoc.Prof. Muslum Arici and Prof.Dr. Hasan Karabay	Numerical Investigation of natural convection in a U-shaped cavity filled with nanofluids
537	Dr Hammou Tebibel	Techno-Economic Optimization Of Grid-Tied Hydrogen-Renewable-Based Power Plant With Management Strategy
548	Mr. Cagatay Yildiz, Muslum Arici and Hasan Karabay	Effect of inclination angle on natural convection of nanofluids in a U-shaped cavity
581	<b>Mr Jialin Dai</b> , Mr Yingda Lu and Mr Jinjun Zhang	Influence of Resins on Crystallization and Gelation of Waxy Oils

#### Theme -4: Earth Science and Applications

59	Ali ATEŞ, Burak YEŞİL, Caner DEMİRDAĞ	Investigation Of Relationships Between Ultrasonic Pulse Velocity and Thermal Conductivity Coefficient in Sandy Soils Reinforced With Bazaltic Fiber
60	Ali Ateş	Surface Soil Assessment in Gölyaka District, in Western of Black Sea,Using A Multichannel Analysis of Surface Waves Method
144	Nurullah Akbulut and Ali Firat Cabalar	Stabilization of a Clay by Incinerated Sewage Sludge Ash
157	Yu Wang and Yuetian Liu	Optimization of reasonable production pressure difference of fractured horizontal well in fractured tight reservoir
158	Xiaolong Mao, Yuetian Liu and Huan Ma	A Stress-sensitive Permeability Model based on the New Effective Stress Equation
175	Yasser Mehidi, Nouioua Ismail and Kahoul Ines	The performance and efficiency of mining equipments analysis in Ouenza mine Algeria: a case study
185	Lijiang Duan, Zhaohui Xia and Liangchao Qu	A new Approach of History Matching Coalbed Methane Pilot Wells



202	Hüseyin Ankara, Mehmet Aksoy and Süheyla Yerel Kandemir	Preparation and Evaluation of Spherical Samples for Slake Durability Index Test
252	Abdelhak Tabet, Ismail Nouioua, Oussama Zerzour, Yasser Mehidi and Salah Saadaoui	Study of logging practices in phosphate quarries (Case of Jebel-Onk)
267	Hüseyin Ankara and Süheyla Yerel Kandemir	Assessment of Natural Radioactivity in Soma Underground Mine
287	Miraç Kamışlıoğlu	A research on earthquake precursor with ANFIS (Adaptive Neuro Fuzzy Inference System) Modelling
406	Miraç Kamışlıoğlu	Nonlinear Noise Reduction Methods for Chaotic Time Series in Dynamic System

### Theme -5:Engineering Science and Applications

12	Dr. Razika Zamoum Boushaki, Mrs Farida Kessal and Miss Feriel Abahri	Control of MIMO aircraft system by LQG controller
13	Dr. Razika Zamoum Boushaki, Miss Feriel Abahri and Mrs Farida Kessal	Control of a MIMO aircraft system by $H_{\infty}$ controller
16	Latif Onur Ugur, Umut Naci Baykan and Mehmet Akif Akşen	Selecting Ready Mixed Concrete Subcontractor with The PROMETHEE Multi Criteria Decision Making Method in Construction Projects
17	Latif Onur Ugur and Umut Naci Baykan	Implementation of a Dam Construction Site Selection with Multi Criteria Decision Making Approach: An Application of TOPSIS Method
20	Sana Elhidaoui	Green supply chain modeling
26	Ali Saygin and Ahmet Aksoz	PMSM Control using SVPWM to Decrease Torque Ripple and THD with a New Model
29	Noureddine Hadidi	Thermosolutal Natural Convection In vertical composite Porous-Fluid enclosure
34	Feriel Abahri and Razika Zamoum Boushaki	MIMO state feedback design via pole placement
36	Yacine Aribi and Razika Zamoum Boushaki	Sliding-Mode Enhancement for a Class of Fuzzy-based Controllers for Surge control in Compression Systems
54	Hatam Guliyev, Surkhay Akbarov, Yusif Sevdimaliyev and Nazmiyye Yahnioglu	APPROXIMATE ANALYTICAL SOLUTION METHOD TO THE FORCED VIBRATION PROBLEMS FOR MULTILAYERED SPHERES MADE OF FGM
75	Ouahiba Fadli, Mohamed Lokmane Bendaas and Rachid Abdessemed	Diagnosis of Open Circuit Faults in Three Phase Uncontrolled Bridge Rectifier
76	Xun Sun, Shicheng Zhang, Xinfang Ma and Kai Liao	Experimental study on the influence of structure anisotropy on mechanical property of coal
82	Mohamed Lokmane Bendaas, Ouahiba Fadli and Rachid Abdessemed	FAULT DIAGNOSIS OF DC/DC BUCK CONVERTER'S POWER TRANSISTOR
91	Marcin Kowalczyk and Jerzy Siuzdak	Numerical methods of the VLC channel impulse response determination
98	Ziyao Zhong, Xiaodong Wu, Guoqing Han, Lei Zheng, Shuzhe Shi and Zhan Meng	Numerical study on coal particle transport under air-water multiphase flow in V-shaped elbow
99	Shuzhe Shi, Xiaodong Wu and Ziyao Zhong	THE FLOW PATTERN AND PRESSURE GRADIENT OF GAS-LIQUID TWO PHASE FLOW IN THE VERTICAL PIPE WITH ROTARY INNER BOUNDARY
100	Zhun Li, Xiaodong Wu and Guoqing Han	Performance of Multiple-Fractured Horizontal Wells with Consideration of Long-Term Fracture Conductivity.
114	Aylin Ozodabas and Moustafa Kioutsouk Moustafa	Historical Umurbey Turkish Bath Restoration Works And Functioning As A Museum
115	Wei Feng, Chen Yang, Lufeng Zhang and Fujian Zhou	Experimental Investigation on Perforation Temporary Plugging by degradable material in Refracturing
124	Res. Asst. Fatih Atalar, Phd. Asst. Prof. Aysel Ersoy Yilmaz and Prof. Dr. Mukden Ugur	An Experimental Study of Electrolyte Conductivity on the Performance of Silicone Insulators

127	Qian Wang, Sheng Lai Yang, Hai Shui Han, Kun Qian and Jia Jun Li	Experimental study on the change of the physical properties of low permeability sandstone reservoirs after injection of CO2 in different methods
130	Zhang Lufeng, Zhou Fujian, Wang Jin, Fei Wei and Zhang Shicheng	A new method to investigate water sensitivity damage for tight sandstone reservoirs
132	Rojda Orman, Berna Istegün and Erkan Çelebi	Finite Element Analysis of Shear Tests on Masonry Triplets
138	Zhang Lufeng, Mou Jianye, Jin Wang, Zhou Fujian and Zhang Shicheng	Experimental investigation on sensitivity damage of naturally fractured carbonate reservoirs in Ordos Basin
147	Manal Riad, Jamila Bakkoury and Omar Bouattane	Frequency Response of Outer Ear Transfer Function for tinnitus sources detection
150	Jiangshuai Wang, Jun Li and Gonghui Liu	Study on Temperature Distribution in Wellbore during Drilling
151	Anwar Alnawas and Nursal Arıcı	Effect of Word Embedding Variable Parameters on Arabic Sentiment Analysis Performance
154	Surkay D. Akbarov, Arzu Çilli and Nazmiye Yahnioğlu	Influence of the Inhomogeneous Initial Stress on the Natural Frequencies of a Fluid-Filled Hollow Sphere Made of FGM
160	Shuang Zhang, Huiqing Liu and Jie Bai	Numerical simulation study on the bottom-water invasion in the carbonate gas reservoir with high angle fractures and high permeability zones
164	Baki Bagriacik, Sefer Ercan Epsileli, Emre Pınarcı and Mustafa Belen	Comparison of bearing capacity of piled raft foundations consisting of different number of piles under static and repetitive loads
165	Aleksander Nicał and Hubert Anysz	The Quality Management in precast concrete production and delivery processes supported by Association Analysis
166	Hubert Anysz, Jerzy Rosłon and Andrzej Foremny	Selected Machine Learning Tools in Collusion Detection
167	Hubert Anysz and Jerzy Rosłon	Supporting the clients' construction project planning decisions with the use of association analysis enhanced by metaheuristics
170	Bassam Ali and Osman Ucan	A NOVEL APPROACH FOR ENSURING LOCATION PRIVACY USING SENTIMENT ANALYSIS IN TWITTER
187	Uğur Kantekin and Serap Cekli	Wireless Sensor Network Security with CoAP Protocol for Internet of Things
190	Hasbi Apaydın	Design and Control of The Snow Clearing Conveyor on The Roof Surface Is Carried Out Manually and Automatically Via The Bluetooth Of The Android Mobile Phone.
191	Hasbi Apaydın and Şükrü Kitiş	Design of Controllable Finger and Wrist Exercise Device Via Android Based Mobile Phone for Hand Rehabilitation.
196	Prof. Artur Zbiciak, Mr. Rafal Michalczyk and Mr. Cezary Kraśkiewicz	Fractional-order viscoelastic constitutive models of vibroacoustic isolators used in railway tracks
203	Serap Cekli and Ali Akman	Lossless Image Compression with HEVC Intra Prediction Using Enhanced RDPCM
209	Ahmet Gökdemir and Latif Onur Uğur	Decision of Purchase of Mobile Concrete Batching Plant with Gray Relational Analysis Method
210	Ahmet Gökdemir and Talat Yatkın	Structural Deterioration In Historical Ankara Castle and Pre-Restoration Materials Research
213	Kazimierz Józefiak, Artur Zbiciak, Maciej Maślakowski and Karol Brzeziński	Modelling of one-dimensional soil consolidation problem by using non-classical rheological schemes
214	Mehrzad Roudini and Günter Wozniak	Investigation of Spray Properties in Internal and External Air-Blast Atomization
232	Faruk Turan, Gökhan Çaylı and Cengiz Polat Uzunoğlu	Investigation of Different Type of Iron Oxide Particles on Magnetic Field Shielding Effects of Electrical Network Components
233	Mustafa Konal, Cengiz Polat Uzunoğlu and Firat Kaçar	Current Differencing Transconductance Amplifiers (CDTA) Based BPLP Filters
242	Aleksander Nicał	Optimization of transport inside the precast concrete plant
243	Mustafa Konal and Firat Kacar	Extended Bandwidth Symmetrical OTA and Its Filter Application
247	Aleksander Nicał	Optimization of reinforcement steel supply to precast concrete plants
256	Mustafa Konal and Firat Kacar	A Low-Voltage Low-Power All-pass Filter Based on DTMOS
257	Aslan, Atıl Erdik, Kadir Elitok and Namık Kılıç	Validation Studies Toward the Application of Roll-over Crash FE Analysis
264	Said Bedir and Atıl Erdik	SUBMODELING METHOD: AN ALTERNATE APPROACH TO REDUCE RUNTIMES OF NUMERICAL SIMULATIONS

		OF AN ARMORED VEHICLE UNDER BLAST LOADING
265	Res. Asst. Vildan Giriřta, Res. Asst. Ismail Kaya and Asst. Prof. Zeynep Parlar	The Effect of Interference on the Leakage Performance of Rotary Lip Seals
266	Elif Deniz Yelmenoglu, Numan Celebi and Tugrul Tasci	Saliency Detection with Hybrid Artificial Bee Colony- Firefly Optimization Method
268	Umut Serdar ivici and Zeynep Parlar	Influence of Surface Texture on Soft Robot Locomotion
274	Gulin Tekin and Fethi Kadiođlu	Free Vibration Analysis of Mindlin-Reissner Plates Using Kelvin-Chain Material Model
275	Gulin Tekin and Fethi Kadiođlu	Rheological Model Developed for Quasi-Static Analysis of First-Order-Shear Deformable Plates
278	Prof. Mario Vranjeř, Prof. Snjezana Rimac-Drlje and Dr. Denis Vranjeř	Full reference video quality evaluation using foveated vision and multiple fixation points
291	Naim Karasekreter, Uđur Fidan and Fatih Bařcifti	Self-organizing Clustering Protocol Recommendation and Comparative Complexity Analysis
297	Naim Karasekreter, Uđur Fidan and Fatih Bařcifti	Optimization of Parameters Used in Threshold Values and Membership Functions in Clustering Protocols With PSO
321	Belaynesh Chekol, Assoc.Prof.Dr. Numan elebi and Dr. Tuđrul Tařcı	A NEW APPROACH TOWARDS BINARIZATION OF MULTI-COLOUR SCENE TEXT
326	Bahar Tercan, Ahmet Beyciođlu and Yılmaz Koak	Analyzing the Compressive Strength of Clinker Mortars by Using Support Vector Regression
327	Bahar Tercan and Ahmet Beyciođlu	Random Forest Regression Approach to Estimate Compressive Strength of Clinker Mortars
328	Ahmet Beyciođlu and Yılmaz Aruntař	Bond Performances of GFRP and BFRP Rebars in Self Compacting Concrete: Hinged Beam Approach
334	Uđur Emirođlu and Erhan Altan	Magnetic Field Effect In Drilling of AISI H13 (DIN 1.2344) Steel
335	Uđur Emirođlu, Orhan akır and Erhan Altan	Chip Breaking with Variable Cutting Speed inTurning
336	Orhan Cakir	Chemical Machining Of AZ31B Magnesium Alloy
337	Salim Djezairi, Razika Boushaki Zamoum, Brahim Bouzouia and Ferial Abahri	Task Planning for Mobile Manipulators Using Backward Climbing
345	Ahmet Aksöz and Ali Saygin	Decreasing the Cogging Torque using Virtual Positive Impedance Based Active Damping Control Method for PMSMs
347	Dr. Neslihan Özsoy and Assoc. Prof. Dr. Murat Ozsoy	Experimental Investigation of Surface Roughness of Cutting Parameters in T6 Aluminum Alloy Milling Process
348	Assoc. Prof. Dr. Murat Ozsoy, Dr. Ismet Tıkız and Assoc. Prof. Dr. Huseyin Pehlivan	Thermal Analysis of a Zirconium Oxide Coated Aluminum Alloy Piston
349	Dr. Neslihan Özsoy and Assoc. Prof. Dr. Murat Ozsoy	Experimental Investigation of the Surface Effect of Cutting Parameters in the Turning Process of AISI 4340 Tempering Steel
350	Nabi Ibadov and Janusz Kulejewski	Construction Projects Planning Using Net Model with the Fuzzy Decision Node
369	Mohammad Khasawneh and Saeed Alyaseen	Analytic Methods to Evaluate Bituminous Mixtures Enhanced with Coir/Coconut fiber for Highway Materials
379	Hongwei Yang, Jun Li and Gonghui Liu	Development of a Dual-Measured-Points Early Gas Kick Detection Method Based on the Measured Pressure Responses of Two PWD Tools
380	Hongwei Yang, Jun Li and Gonghui Liu	Why the Variable Gradient Drilling Approach Can Better Fit the Complex and Narrow Pressure Window in Ultra Deep Water Drilling?
381	Davut Ari, Musa ıbuk and Fikri Ađđun	Examination of the Effect of Hop Count on Network Performance in LWSNs
382	Fikri Ađđun, Musa ıbuk and Davut Ari	The Effect of Packet Aggregation on Network Lifetime in Multi-Hop Non-Mobile WSNs
395	Dr. Yücel Can, Mr. Harun Güçlü, Mr. İbrahim Kasar and Assoc. Prof. Dr. Murat Yazıcı	Finite Element Simulation of The Telescopic Crash Boxes Designing by Adhesively Bonded Coaxial Aluminum Tubes
396	Assoc. Prof. Dr. Murat Yazıcı, Mr. Hasan Kasim, Mr. Harun Güçlü, Mr. İbrahim Kürřad Türkođlu and Dr. Yücel Can	Finite Element Analysis of the Impact Behavior of Natural Rubber Based Syntactic Foam Core Sandwich Structure with Aluminum Skin
399	Burak Sevin and Su Buse řahin	Determination of The Cross Types to be Used in a Trailer Chassis by Finite Element Method

404	Nusret Bozkurt and Tansu Baydaş	The Investigation of Intelligence Properties of Smart-Self-Compacting Lightweight Concrete after Extreme Conditions
405	Nusret Bozkurt, Salih Yazicioğlu and İhsan Alkan	The Investigation of Bond Strength of Subsequently Anchored Reinforcing Bars
411	Mustafa Karhan, Fatih Atalar and Mukden Ugur	FEM Analysis of an Experimental Setup used to Initiate Vented type Water Trees
420	Erkan Çelebi, Fatih Göktepe and Ahmad Jawad Omid	Seismic Response of Scaled Soil-Foundation Test Model on Shaking Table
423	Chao Wang,Jun Li,Gonghui Liu, Tao Zhang,Hailong Jiang and Kai Ren	Temperature Variations' Impact On Wob Measurement And The New Way To Eliminate The Downhole Wob Measurement Error Due To Temperature Variation
427	Wenbao Zhai, Jun Li, Zhaowei Chen, Gonghui Liu, Yingcao Zhou and Degui Xiang	Effect of Sealing Faults on Refracturing in Heterogeneous Shale Reservoirs
431	Mr. İbrahim Kürşad Türkoğlu, Dr. Yücel Can and Assoc. Prof. Dr. Murat Yazici	Investigation of Static and Dynamic Performance for the Lattice Core Sandwich Pipes by Finite Element Simulations
441	Mr Xiaosong Wen, Prof.Dr.Gonghui Liu, Prof.Dr.Jun Li, Mr Chungqing Zha and Mr Xueli Guo	A Comprehensive Analysis of Compound Impactor Based on Mixed Flow Impeller Drive
447	Ayşe Pekrioglu Balkis, Sawash Macid and Mehmet Fatih Toktaş	Effect of Cement Amount on CBR Values of Different Soil
451	Mouachi Raja, Gharnati Fatima and Raoufi Mustapha	Microgrid and Blockchain integration: Challenges and opportunities
465	Dr. Mohammed Bouchahdane and Nour El Houda Zedouri	Performance evaluation of numerical relay for power transformer
482	Mohammed Bouchahdane, Lynda Dib and Nacera Khelifaoui	Transmission Lines Protection Using Numerical Relays
483	Mohammed Bouchahdane and Mohamed-Ameziane Filali	Transmission Lines Protection Using Communication Assisted Tripping Schemes Directional Comparison Blocking Scheme
484	Eyüp Bilgiç, Enver Sadıkoğlu, Cafer Kirbas and İlkan Coskun	Establishment, Verification and Application of THD+Noise Measurement System for Sound Calibrator and Field Vibration Calibrator
485	Eyüp Bilgiç	Uncertainty Analysis on the Velocity Measurements of Ice Ball in Hail Test of Terrestrial Photovoltaic (PV) Modules
487	Hamid Bentarzi, Abdelkader Zitouni and Abdelmadjid Reoui	Binary Teaching Learning Based Optimization of PMUs Placement for Fault Observation
488	Saliha Boutora, Dhia Elhak Messaoud and Hamid Bentarzi	Power Quality Improvement in Grid-Tied PV System
515	Ayşe Pekrioglu Balkis, Abdunasser Eshtiwi and Mehmet Fatih Toktaş	Evaluation of Recycled Concrete Blocks as Fine Aggregate Replacement in Concrete
521	Prof. Dr. Kiwon Yeom	Automatic Tuning of Control Parameters using Bio-inspired Optimization Synthesis
522	Prof. Dr. Kiwon Yeom	Swarm Robot based Collective Construction for Prognosis Visualization of Morphogenesis Development
532	Housseem Menhour and Süleyman Eken	Is Video from a Security Footage or Not?
542	Mr. Alican Demiral and Asst. Prof. Dr. Sevil Köfteci	Analysis of Interchanges with Package Program: Antalya Konyaaltı Migros Intersection Example
543	Mr. Alican Demiral and Asst. Prof. Dr. Sevil Köfteci	Comparison of intelligent intersection types: Antalya Muratpaşa Sarnıç Intersection Example
546	Yassine Azougagh, Khalid Benhida and Elfezazi Said	Using processes modelling to evaluate the performance of Supply Chain: Application of SCOR Model in a phosphate-producing Company
547	Khalid Benhida, Yassine Azougagh, Elfezazi Said and Elhidaoui Sana	Supply chain modelling : Review and application
556	Labiad Abdelhaadi, Bouras Khedidja and Bouzouad Mouloud	Metamaterial based reconfigurable multiband antenna
558	Dr. N. Sevgi Sahin	Dynamic Behaviour of Prestressed Viscoelastic Layers Subjected to a Time Dependent Harmonic Moving Load
559	Dr. Nezihe Sevgi Sahin	Dynamic Analysis for Ballasted Track Structures
593	Bilal Attallah, Amina Serir, Youssef Chahir, Abdelwahhab Boudjelal and Mounir Bouras	Features selection for novel Iris and Knuckle Print Recognition based on the fusion of PCA And mRMR

627	Tubia Almas, Ramesh Kumar, M.S. Chauhan, S. Chauhan Chauhan and Ahmad Umar	ZnO Doped SnO <sub>2</sub> Nanocubes for Fluorescence Sensing of 4-Nitro Phenol and Photocatalytic Degradation of Different Dyes
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### Theme -6:Material Science and Applications

9	Naim Sylva, Njomza Elezaj, Fisnik Aliaj, Zeqë Tolaj and Arbër Zeqiraj	FE modeling of nitrogen concentration profile for 31CrMoV9 steel after gas nitriding
15	Arbër Zeqiraj, Naim Sylva, Nazmi Hasi and Njomza Elezaj	Investigation of the compound layer by steel 16MnCr5 after gas nitriding
18	Neslihan Gökçe, Serkan Subaşı and Ülkü Yılmaz	EFFECTS OF FIBER AND RESIN TYPE ON THE MECHANICAL PROPERTIES OF FIBER REINFORCED POLYESTER COMPOSITE PIPES
80	Görkem Şanan and Ziya Ozgur Yazici	Production and Properties of Co-based Metallic Glass Reinforced Aluminum Matrix Composites
95	Mohammed Fatah Lakhdari, Ali Zaidi and Benharzallah Krobba	Cement Type Effect On Physical And Mechanical Performances Of Mortars Made With Dune-Alluvial Sand
96	Mohammed Fatah Lakhdari, Ali Zaidi, Benharzallah Krobba and Mohammed Bouhicha	Effect of Sodium Sulfate attacks on the durability of dune-alluvial sand mortars
102	Gökhan Demircan, Mustafa Özen and Murat Kısa	Strain Rate Effects on the flexural properties of glass fiber epoxy composite with different fiber orientations
103	Mustafa Özen, Gökhan Demircan, Murat Kısa and Zeki İlik	Investigation of Usability of Waste Textile Fabrics as Reinforcing Material in Composites
105	Ahmet Efe Gezmişoğlu, Süleyman Eken, Ahmet Sayar and Ersoy Erişir	An Image Processing Based Tool For Determining Carbide Volume Fraction and Size Distribution in Bearing Steels
110	Şemsettin Kilincarslan, Metin Davraz and Nuri Işıldar	INVESTIGATION OF THE EFFECT OF FLY ASH AND PERLITE ON FOAM CONCRETE PROPERTIES
125	Ahmad Mukifza Harun and Nor Farid Mohd Noor Mohd Noor	The result of modified hydrothermal nanotitania extract to the Escherichia coli (E. Coli) growth.
146	Dr. Fatma. Zohra Tighilt, Dr. Samia Belhousse, Prof. Dr. Naima Belhaneche, Dr. Anis Rahal, Dr. Sabrina Sam, Dr. Amel Hamrani and Dr. Khaled Hamdani	Development of Hybrids Structures Based on Porous Silicon and Conducting Polymer for Electrochemical Detection
162	Dr. Weitao Li, Dr. Falin Wei, Pro.Dr.Jian Ouyang, Dr.Liming Shao Mr. Mingli Dai and Dr.Guang Zhao	A Novel Binary Combination Flooding System Based on DPG Particles for Enhanced Oil Recovery
228	Alaeddine Kaouka and Khedidja Benarous	Characterization and properties of boriding titanium alloy
229	Alaeddine Kaouka	Diffusion of Mo and Nb on titanium alloy Ti6Al4V by technical powders
262	Hasan Durmus, Kemal Kocabas and Ozlem Bilgili	Investigation of the effect of Mn on superconducting properties of MgB <sub>2</sub> samples by AC magnetic susceptibility and determination of real hardness value by using Vickers microhardness
269	Umut Önen, Ediz Ercenk and Şenol Yılmaz	Crystallization behaviour and machinability of vermiculite-based fluorphlogopite glass-ceramic
271	Murat Kiyak	The Effect of Cutting Tool Tip Position on the Real Cutting Tool Deflection in Turning
272	Umut Önen, Ediz Ercenk and Şenol Yılmaz	Investigation of crystallization and machinability properties of K <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -MgO-Fe <sub>2</sub> O <sub>3</sub> -F system glass-ceramic
276	Özge Erdem	Activation Energy of Coronene Added MgB <sub>2</sub> Superconductors
282	Kutlay Sever and Ali Sorgun	Thermal and thermomechanical properties of polypropylene/sandal wood composites
284	Kutlay Sever and Muhammed Yılmaz	Evaluation of mechanical and thermal properties of artichoke filled polypropylene composites: Influence of wollastonite hybridization
351	Ekrem Altuncu and Melih Tarim	Laser Cladding Applications on Armor Steel
352	Ekrem Altuncu	Surface Characterization of Colloidal Silica Based Non-Stick Coatings on Aluminum Alloy

359	Ionel Mangalagiu, Violeta Mangalagiu and Vasilichia Antoci	Anthracene-Imidazole derivatives: A stright approach to molecular logic
362	Assist.Prof.Dr.Esra Dokumaci, Müjde Garip, Yağız Coşkun, Yiğit Taşçılar and Assoc.Prof.Dr.İlker Özkan	Characterization of Complex Coatings developed on AISI 4140 Steel Substrate by Stepwise Surface Modification Process
375	Bulent Aktas and Suleyman Tekeli	Ionic conductivity of MgAl <sub>2</sub> O <sub>4</sub> -doped 8YSZ ceramics
383	Fatma Göde and Serdar Ünlü	Structural, Morphological and Optical Properties of Chemically Deposited Nanocrystalline CdS Thin Films
384	Fatma Göde and Serdar Ünlü	Investigation Of The Physical Properties Of Nanocrystalline Indium Sulfide Thin Films Grown By Chemical Bath Deposition Method
389	Melia Guessoum, Nadjat Chelghoum and Nacerddine Haddaoui	Reactive compatibilization of poly(lactic acid)/polycarbonate blends through catalytic transesterification reactions
393	Hasan Kasim, Ahmad Naser Aldeen, YÜcel Can and Murat Yazici	Investigation of the Crack Propagation Behavior of the Multiwalled Carbon Nanotube/Graphite/Natural Rubber Hybrid Nanocomposites using DIC Technique
440	Hafida Achour and M. A. Bouchentouf	Electronic properties of ScGaN
452	Ş. Gözde İrim, Oktay Baykara, Abdulmounem Alchekh Wis, Mustafa Aker Keskin, Güralp Özkoç, Ahmet Avcı and Mahmur Doğru	The Improving Gamma Ray Shielding Properties of Hybrid Nanocomposites
453	Ş.Gözde İrim, Oktay Baykara, Abdulmounem Alchekh Wis, Mustafa Aker Keskin, Güralp Özkoç, Ahmet Avcı and Mahmur Doğru	B4C/Gd <sub>2</sub> O <sub>3</sub> /HDPE Hybrid Nanocomposites for Neutron Shielding
500	Abdullah Selim Parlakyigit, Dervis Ozkan, Mecit Oge, Yasin Ozgurluk, Kadir Mert Doleker and Abdullah Cahit Karaoglanli	Investigation of Isothermal Oxidation and Thermally Grown Oxide Layer in Thermal Barrier Coatings (TBCs) with HVOF Sprayed Nickel-Chromium Bond Coats
501	Dervis Ozkan, Mustafa Sabri Gok, Hasan Gokkaya and Abdullah Cahit Karaoglanli	The effects of machining parameters on delamination failure in milling of multidirectional CFRP laminate with uncoated carbide cutting tools
502	Süleyman Akpınar and Atilla Evcin	Surface treatment of anhydrous borax with stearic acid by wet coating method
503	Atilla Evcin, Iskender Akkurt, Nalan Çiçek Bezir, Kadir Günoğlu and Yonca Yahşi Çelen	Evaluation of Boron Waste and Barite Against Radiation
504	Atilla Evcin, Nalan Çiçek Bezir, Iskender Akkurt, Yonca Yahşi Çelen and Kadir Günoğlu	Usability of Bentonite and Boron Waste as a Radiation Shielding Materials
509	Djamel Ouadjaout	Thermal numerical analysis of induction heating in a crystal pulling (CZ) furnace
523	Lütfiye Altay	The Effect of Hybrid Carbon Fillers on Mechanical, Thermal, and Electrical Properties of Conductive Unsaturated Polyester Based Composites
524	Lütfiye Altay, Yoldas Seki, Melis Ozkaya, Gozde Sevig Tantug, Akin Isbilir and Mehmet Sarikanat	Preparation and Characterization of Polypropylene Containing Thermal Energy Storage Materials for Cooling Application
525	Zafer Yenler, Lütfiye Altay and Mehmet Sarikanat	Effects of Carbon Fiber Surface Treatments and Sizing on Carbon Fiber Surface and Mechanical Properties of Unidirectional Carbon Fiber Prepreg Reinforced Epoxy Composite
526	Mehmet Sarikanat, Lütfiye Altay, Tuğçe Uysalman, Aras Akdeniz, Esra Yildiz Hündür, Melis Özkaya and Yoldaş Seki	The Effect of Various Mineral Fillers on Rheological and Mechanical Properties of Polypropylene
538	Souad Louhibi Fasla and Abdessamad Baida	Structural properties of InP under pressure
557	Khedidja Bouras, Abdelhadi Labiad and Mouloud Bouzouad	Metamaterial dielectric waveguides
560	Irida Markja, Agus Pramano and Klodian Dhoska	Research on the microstructure and mechanical properties of Aluminum with ceramic reinforcement by ECAP – parallel channel
561	Irida Markja, Thomas Bier and Dervish Elezi	Research on Hardening cement-based materials using MIP,SEM,XRD,TG
617	Ali Ekrem Aritan	Investigation of Thermal Comfort Conditions in Travertine Processing Plant with PMV-PPD Indexes
618	Ali Ekrem Aritan and Muhammed Fatih Can	The Corrosion Effect on Supports Used in Underground Mining Operations Generated By Low Rank Salt-Bearing Coals; The

		Central Anatolia Case
620	Memduh Kurtulmuş	Effect of Tool Geometry and Welding Parameters on FSSW of 1050 Aluminium Alloy
621	Memduh Kurtulmuş, A. İrfan Yüklükler and Ezgi Dogan	The Effects of Undercut Geometry on Stress Concentration
624	Alimurtaza Rutci and Fatih Selman Eren	Development of New Generation High Strength Control Arm for PassengerLight Commercial Vehicle

## Theme -7: Biological and Medical Science and Applicatons

136	Elcin Balci and Zehra İncedal Sonkaya	Attitudes Towards Gender Roles of Personnel Employed in a Public Institution
161	Elçin Balci and Zehra İncedal Sonkaya	Perinatal Outcomes Of Adolescent Pregnancy
169	Kateřina Horáčková, Zdeněk Hrstka and Markéta Moravcová	Healthcare Strategies of Holocaust Survivals
204	Eylem Topbaş, Tuba Polat and Esmá Kır	Identification of the Factors Affecting the Self-Esteem of the Women Who Underwent Hysterectomy
215	Dr. Seher Arslankaya and Mr. Yasin Kirelli	Detection of a Heart Attack Risk with an Improved Decision Support System
246	Gülseren Dağlar, Dilek Bilgiç and Demet Çakır	Relationship Between Prenatal Attachment Levels andStress-CopingStyles in Healthy and Risky Pregnancies
248	Gülseren Dağlar, Zehra İncedal Sonkaya, Demet Çakır and Aysun Tekeli Taşkömür	Prenatal Attachment and Associated Factors in Adolescent Pregnancies
310	Sarper Kara, Aydın Akan and Mukden Ugur	Investigation of Local Anesthesia Effect of Electrical Stimulation
311	Sarper Kara, Safa Heybet, Cengiz Polat Uzunođlu and Abdurrahim Akgündođdu	Diagnosis of Pes Planus by processing of the images based on Harris Mat Method
325	Arslan Say, Demet Çakır and Arif Ayar	Effects of Socio-demographic Factors on Psychological Conditions of Vocational School Students
341	Onur Yarar	Determination of noise level in a university hospital in Istanbul
353	Emirhan Ozyurt, Handan Uysal and Arif Ayar	In vivo aging effects of $\alpha$ – Endosulfan
371	Onur Yarar, Osman Günay, Mucize Sarihan, Evrim Abamor, Özge Ece Kara, Mithat Kiyak, Kerim Sönmezoglu, Nazenin İpek and Mustafa Demir	Determination of the radiation dose rate emitted from patients injected with Tc-99m
418	Arslan Say	Investigation of Antiproliferative Effects of AHCC
419	Arif Ayar, Tuba Yıldırım, Burak Yazgan, Şevket Kandemir, Nezahat Kandemir, Özlem Özçelik and Gulin Renda	Anti-Cancer Activity of Isoflavone Derived from Iris taochia (Iridaceae) in MCF-7 Cell Line
481	Ozge Tekin, Ozge Kozgus Guldu, Gokhan Takan and Emin Ilker Medine	WOUND HEALING OF AuFe NANOPARTICLE CONJUGATED TOPOISOMERASE I INHIBITOR CAMPTOTHECINE
505	Atilla Evcin, Nilay Duman and Reşat Duman	Effect of Topical Pumpkin Seed Oil Exposure on Morphological Analysis of Hair Fibers on scanning electron Microscopy
529	Yonca Yahşi Çelen	The Impact of Different Collimator Angles on VMAT Plans
530	Yonca Yahşi Çelen	Differentiality of Simultaneous Integral Boost Technique After Breast Conserving Surgery
552	Hatice Gumushan Aktas and Huda Ayan	Effect of Oleuropein on prostate cancer cell proliferation and motility
586	Khalid Jaber, Nesreen A. Hamad and Fatima M. Quiam	A Framework for Query Optimization Algorithms for Biological Data
589	Ekin Can Erkuş and Assoc. Prof. Dr. Vilda Purutçuođlu	Detection of Abnormalities in Heart Rate Using Multiple Fourier Transforms
622	Indrani Kalkan and Menekşe Kiliçarşlan	Factors Affecting Breast Feeding in Primiparous Mothers in Turkey

623	Aydın Yıldız	Idiopathic orbital myositis
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### Theme-8: Education Technologies and Applications

249	Dalila Yamani, Ali Mouhouche and Amel Ait El Djoudi	Training of university teachers in educational uses of ICTs: place of contents disciplinary dimension of learners in the training program
590	Huda Aljader	Application of the Interactive e-Books Technology: A Challenge for Teachers and Learners

### Theme-9: Agricultural Science and Technology

131	Khalida Boutemak and Karima Bounaas	Enzyme-assisted extraction of essential oils from Algerian Caraway seeds ( <i>Carum Carvi</i> L.): Optimization of operating parameters using RSM
231	Khedidja Benarous, Abderrahmane Linani and Alaeddine Kaouka	Crocetin of Saffron flowers as potent inhibitor of <i>Burkholderia cepacia</i> lipase : In silico study
289	Ufuk Durmaz and Mehmet Berkant Özel	Extraction of Sugar from Carob with 7 Batch System
330	Taha Rababah and Faten Abweni	Effect of Drying and Freezing on Phytochemical Properties in Jew's Mallow during Storage
433	Yeliz Durgun and İsa Karaman	Web of Things Based User-Friendly Pulse Width Modulation Dimmable Intelligent Digital Led Driver
443	Irmak Peker and Zuhul Er	Dependencies of The Parameters for Organic Cells by Experimental Measurement with the Prototype Cells

### Theme -10: Forestry and Environmental Science and Engineering

32	Baylassane Chatib, Yasmine Laftani, Boussaoud Abdelghani, Mohammed Khayar, Mohammed Elmakhfouk and Mohsine Hachkar	Effects of free chlorine concentration, pH, temperature and bromide ions on the aqueous chemical chlorination of Ponceau S
33	Yasmine Laftani, Baylassane Chatib, Abdelghani Boussaoud, Mohammed Elmakhfouk, Mohsine Hachkar and Mohammed Khayar	Effect of system parameters on the decolorization of Ponceau S by UV-H <sub>2</sub> O <sub>2</sub> process
66	Dr. Seher Arslankaya and Mr. Yasin Kirelli	Sentiment Analysis of Global Warming on Turkish Tweets Shared on Twitter
149	Şemsettin Kılınçarslan, Bilgin İçel and Yasemin Şimşek	Determinaion of Modulus of Elasticity for Ash ( <i>Fraxinus</i> ssp.) Grown In Turkey Using Ultrasound
198	Neset Izairi, Fadil Hajredini, Shefket Dehari, Muhamed Shehabi and Skender Kabashi	Air quality study by measuring PM10 particles and determining CO <sub>2</sub> and CO by applying molecular absorbing spectroscopy
206	Fadila Djouadi Belkada, Ouiza Kitous, Amaria Bendjebbour, Ouahiba Bouchelaghem, Nadjib Drouiche, Nadia Abdi and Nabil Mameri	Electrodialysis system for nitrate ions present in the synthesized photovoltaic factory wastewater removal.
239	Nouioua Ismail, Yasser Mehidi, Salah Saadaoui and Abdelhak Tabet	DETECTING SINKHOLES USING GROUND PENETRATING RADAR IN CHEREA (NE OF ALGERIA): A CASE STUDY
273	Murat Kiyak, Orhan Cakir and Ibrahim Sahin	Cutting Fluids on Machining and Environmental Issues –A Review



279	Hülya Aykaç Özen, Hamdi Öbekcan and Bahtiyar Öztürk	Evaluation of hydrogen permeability performances of mixed matrix membranes containing different metal doped MOF-5 particles
281	Hülya Aykaç Özen, Hamdi Öbekcan and Bahtiyar Öztürk	Investigation of Co-Digestion of Waste Oil and Cattle Blood Gained from Slaughter House
288	Ufuk Durmaz and Orhan Yalçinkaya	Economic Feasibility of the Soil Based Natural Cooling
315	Orhan Cakir, Murat Kiyak and İbrahim Şahin	Environmental Progresses In Photochemical Machining
318	Arife şimşek, Mahmut Baran Ulutaş and Gülfem Bakan	Modelling of Chlorination Using MIKE URBAN on Drinking Water Network of Ondokuzmayıs District
319	Arife şimşek, Kübra Küçük and Gülfem Bakan	Applying AQUATOX for the Ecological Risk Assessment (ERA) in Water and Sediment of Black Sea Coast at Small Industries around Samsun, Turkey.
535	Amer Al Abdel Hamid	A Selective Chemosensor for Lead Divalent Based on Ruthenium-[(E)-2-(((4-(ethoxycarbonyl)phenyl)iminio)-methyl)phenolate]Complex

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116	Boudhar Karima and Mahdi Debieche	Elastic behavior of $K1-xRbxAlF4$ in the vicinity of phase transition
188	Mohamed Amine Ghebouli, Brahim Ghebouli and Messaoud Fatmi	Structural, electronic, optical and thermodynamic properties of $SrxCa1-xO$ , $BaxSr1-xO$ and $BaxCa1-xO$ alloys
189	Moufida Benzekka and Rabia Amour	Effect of higher order corrections and polarization force on dust acoustic solitons
195	Mohamed Ouazene and Rabia Amour	Nonlinear localized dust acoustic waves in dusty plasma with nonthermal ions featuring Gurevich distribution
263	Benhamida Mohamed, Baadji Nadjib and Bouamama Khalil	First-principle computational study of the electronic and mechanical properties of transition metal carbides $Ti_xM1-xC$ with $M=Nb, V$ and $Zr$ .
299	Rabia Amour, Moufida Benzekka and Smain Younsi	Dust dressed acoustic solitons in plasmas with nonthermal ions distribution
313	Mrs.Bouchra Imene Chibane, Fatima Benrachi and Mohamed Salah Bali	Adaptive approach in VMAT radiotherapy on Head and Neck Cancer - A Dosimetric and Volumetric Study
314	Faiza Tiour, Bedra Benyahia, Nouredine Brihi, Ali Sari, Brahim Mahmoudi and Abdelkader Guenda	Opto-structural properties of of Si-rich $SiNx$ with different stoichiometry
329	Feride Kulali, Osman Günay and Serpil Aközcan	Determination of Indoor Radon Levels at Campuses of Uskudar and Okan Universities
357	Hamid Alzaki and Gaber Faisal	Equations of state of quark gluon plasma and early universe
368	Linda Ghegal	Scale of the noncommutativity at electron-positron collider
461	Susan Shukur Noori	Theoretical calculations of excitation functions of natural Fe, Ni, and Cu target to produced $^{57}Co$ radioisotope for medical applications
477	Saadi Lamari	Rashba effect in the GaAs stepped quantum well
578	Jiuzhu Wu, Deqiang Wang, Changchao Chen, Jing Zhu, Guangtao Chang and Huixian Zhang	A Novel Characterization of Fluid Viscosity in Micro Sized Throats - Based On Micro Flow Experiments
588	Zehra Nur Kuluöztürk	FLUKA Monte Carlo simulations for gamma attenuation of concrete including marble aggregates

## Theme -2:Mathematical Science and Applications

428	Wenbao Zhai, Jun Li and Yingcao Zhou	Application of Catastrophe Theory to Fracability Evaluation of Deep Shale Reservoir
531	Feride Kulalı and Miraç Kamaşlıođlu	Comparative Analysis of Earthquake Prediction via Multilayer Artificial Neural Networks and Time Series Methods: An Application for Pamukkale Geothermal Area
565	Bahar Bülbul and Vilda Purutcuoglu	Model Selection in the Construction of Biological Networks in the high dimensional settings
573	Setenay Dođan, Nilgun Demir and Furkan Tokaç	An Application of Trapdoor Knapsack with Python Programing

## Theme -3: Energy and Applications

47	Rongrong Qi, Zhengfu Ning, Qing Wang, Chaohui Lyu, Zhilin Cheng and Xiaojun Wu	Measuring and Modeling of Supercritical Carbon Dioxide Sorption on Shale of Sichuan Basin, China
182	Qu Liangchao, Xia Zhaohui and Duan Lijiang	Application and Reservoir Evaluation Technology for Shale Gas with Rich Condensate
211	Dr.Mingda Dong, Pro.Dr.Xiang'an Yue and Mr.Xuedong Shi	Effect of Surfactant Emulsification on High Water-cut Reservoir in Shengli Oilfield
221	Mr Junqiang Wang, Prof. Dr. Yuetian Liu and Mr Rukuan Chai	A Study on Solubility Prediction of CO <sub>2</sub> in Saline Aquifers Using GWO-SVM
222	Rongrong Qi, Zhengfu Ning, Qing Wang, Xiaojun Wu and Zhilin Cheng	CO <sub>2</sub> Adsorption Capacity of Shale with the Consideration of Adsorption-induced Swelling
237	Jolita Jablonskienė, Jurate Vaiciuniene, Audrius Drabavicius, Vidas Pakstas, Giedrius Stalnionis, Loreta Tamasauskaite-Tamasiunaite and Eugenijus Norkus	Graphene Supported MnO <sub>2</sub> and Co <sub>3</sub> O <sub>4</sub> Nanocomposites for Supercapacitors Application
250	Fahima Fares,Nour El Houda Fares	STUDY OF DIFFERENT TRANSITIONS TO OPTIMIZE COUPLING BETWEEN WAVEGUIDE AND OPTICAL FIBER
253	Jing Xin, Chun-Lan Li and Ru-Kuan Chai	Surface wettability reversal mechanism of water-wetted calcite based on molecular dynamics simulation
254	Jing Xin, Chunlan Li and Rukuan Chai	Effect of Sulfate Ions on Oil Detachment from Calcite Surface: Molecular Dynamics Simulations
259	Aliye Arabacı	Highly dense and oxygen ion conducting materials for SOFC electrolyte
296	Xuegang Feng and Xiang'An Yue	Effect of core wettability on the imbibition and waterflooding efficiency
358	Yingfeng Peng, Yiqiang Li, Zhiping Tao and Xiaodong Shi	Application of multipoint pressure measuring system in physical simulation experiment of water injection in tight oil reservoir
459	Mr Xiaosong Wen, Prof.Dr.Gonghui Liu, Prof.Dr.Jun Li and Mr Chungqing Zha	Numerical Study on Mechanical Properties of Non-standard Belleville Springs for Drilling
473	Xinjia Liu, Suian Zhang and Qingzhi Wen	Experiment and numerical simulation of hydraulic fracturing for glutenite reservoir in Inner Mongolia, China
499	Fouad Kerkar, Abdelkrim Kheloufi, Nahed Doukhan, Djamel Ouadjaout, Samia Belhousse and Sidali Medjahed	Oxygen and carbon distribution in 80kg multi-crystalline silicon ingot
511	Baya Palahouane, Aissa Keffous, Wahib Naceur, Nadjib Drouiche, Mouna Hecini, Wahiba Bouchelaghem and Karim Laib	Optimization of the electrocoagulation process for the removal of fluoride ions
567	Mingqiang Chen, Linsong Cheng, Renyi Cao, Chaohui Lyu, Deqiang Wang, Xiang Rao and Suran Wang	Carbon Dioxide Transport in Radial Miscible Flooding in consideration of Rate-controlled Adsorption

568	Xiang Rao, Linsong Cheng, Renyi Cao, Suran Wang, Deqiang Wang and Mingqiang Chen	Modification of Constant Volumetric Displacement Model for the Steady-Stage SAGD Process
570	Suran Wang, Linsong Cheng, Shijun Huang, Yongchao Xue, Yonghui Wu, Pin Jia and Deqiang Wang	A Novel Approach for Production Data Analysis of Fractured and Fractured-vuggy Carbonate Wells during Transient Flow Regime
572	Pin Jia, Linsong Cheng, Yongchao Xue, Yonghui Wu and Deqiang Wang	Laboratory Investigation of High-speed and High-efficiency Development Mechanism of Sandstone Reservoir
579	Xiang Rao, Linsong Cheng and Renyi Cao	A novel embedded discrete fracture model based on GEM of two-set nodes
610	Lotfi Derradji, Farid Boudali Errebai and Mohamed Amara	Monitoring and thermal simulation of a building with high energy performance
611	Farid Boudali Errebai, Lotfi Derradji and Mohamed Amara	Thermal behavior of PCM plasterboard: Comparison between two numerical methods

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163	Debin Kong, Yiqiang Li, Shanzhi Xu, Hu Guo and Yingfeng Peng	Stable Isotope Analysis of Soil Carbon Dioxide for Monitoring CO <sub>2</sub> -EOR and Sequestration in Yanchang Oilfield
184	Dr Sabiha Anas, Dr Abdelkrim Kheloufi and Pr Naima Zaourar Boutarek	Algerian Silica Sand Characterization For Sustainable Application
363	Ming Yu, Debin Kong, Yiqiang Li, Shanzhi Xu and Hua Yan	Tapering Multi-slug polymer flood in Heterogeneous Type II Reservoirs: Core-Flood Experiments and Field Application
520	Wenguang Zhao, Zhaohui Xia, Liangchao Qu, Xiangwen Kong and Li Liu	Application of Gas Component and Carbon Isotope in Liquid-rich Gas Shale
566	Deqiang Wang, Linsong Cheng, Renyi Cao and Fuguo Yin	Evaluation of asynchronous injection alternating production considering boundary layer effect in tight oil with complex fracture networks
583	Gildas Jordaens Kollo and Yiqiang Li	Polymer and Organic Gel Flooding Optimization Through the Numerical Simulation in Complex Glutenite Reservoir

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42	Billel Bengherbia, Samir Chadli, Abdelmoghni Toubal, Sidahmed Lachenani and Mohamed Ouldzmirlil	FPGA-based wireless sensor network for remote fault diagnostic
45	Souici Mohamed and Hamdi Moustapha	Analysis Of Turbulent Flows Compressible- Interactions Shockwave / Limit layer
58	Abdelmoughni Toubal, Mohamed Ouldzmirlil, Billel Bengherbia, Mohamed Maazouz and Sidahmed Lachenani	FPGA implementation of SHA256 hash function Ip core for wireless sensor networks
64	Samir Chadli, Billel Bengherbia, Noureddine Ababou, Amina Ababou and Nazim Ouadahi	A Wireless Body Area Network Sensors for Sport Performance Analysis and Monitoring
85	Leila Boukarana, Sid Ali Fellag and Idir Habi	Impact of Multilevel Inverter on the Performance of the STATCOM
94	Mohamed Maazouz, Noureddine Batel, Nejmeddine Bahri, Sofiane Tchoketch Kebir, Abdelmoughni Toubal and Billel Bengherbia	Efficient Mode Decision Algorithm for HEVC Inter Prediction Based on Texture Homogeneity Analysis

108	Şemsettin Kiliñarslan, Metin Davraz and Mehmet Ali Akbulut	Determination of Engineering Properties of Ready Thermal Insulation Plaster and Acceptability Assessment
148	Xingyuan Liang, Tianbo Liang, Fujian Zhou, Bo Zheng, Erdong Yao, Yuan Li, Rui Wang and Jiawei Zhu	Mechanism of Using Dilute Microemulsion System (DMS) on Enhancing Hydrocarbon Production from Low permeability reservoirs
172	Saadaoui Salah and Nouioua Ismail	Optimization of loading and transport parameters in the phosphate quarry Algeria.
177	Riad Dib, Karim Mokrani and Chelbi Salim	Active Contours Method for Image Segmentation
178	Riad Dib, Karim Mokrani and Chelbi Salim	Active Contours with Term of Smoothing: Application in Medical Imaging
200	Kai Liao, Shicheng Zhang, Xinfang Ma and Xun Sun	Numerical Investigation of Thermal Fluid Fracturing in Low-mobility Tight Oil Reservoirs
205	Toufik Roubache, Souad Chaouch and Mohamed Said Nait Said	A Comparison of Fault-Tolerant Control Strategies for an Induction Motor
223	Mr Junqiang Wang, Prof. Dr. Yuetian Liu and Mr Rukuan Chai	Prediction of Oil Production Based on BP-ANN Optimized by Artificial Bee Colony Algorithm
285	Ming Chen, Shicheng Zhang, Xinfang Ma and Yushi Zou	Experimental and theoretical investigation on proppant embedment of hydraulic fracturing in shales
295	Haicheng She, Zaiqiang Hu, Zhan Qu, Yao Zhang, Hu Guo and Debin Kong	Determination on the Cycle of Hydration Damage Instability of Shale Borehole Wall with an Application in Fuling Shale Gas Reservoir of China
300	Gildas Kollo, Hu Guo, Yiqiang Li, Dekin Kong, Haicheng She and Yan Guo	No Threshold Pressure Gradient Exists in Low Permeability Reservoir
317	Prof Cherif Adnen	Digital implementation of a robust crypto-tattoo system applied to medical images
346	Assoc. Prof. Dr. Murat Ozsoy, Canberk Yucel and Onur Varlica	Optimization of Air Distribution in A Non-Ducted Concealed Type Fancoil Unit Heat Exchanger
385	Hu Guo, Haicheng She, Yiqiang Li, Debin Kong and Gildas Kollo	Laboratory Evaluation of A New Functional Polymer Used for Enhanced Heavy Oil Recovery
387	Hu Guo, Haicheng She and Yiqiang Li	Emulsification Mechanisms in Alkali-Surfactant-Polymer (ASP) Flooding Enhanced Oil Recovery
400	Xiaojun Wu, Zhengfu Ning, Guoqing Han, Qing Wang, Ziyao Zhong, Rongrong Qi, Liang Huang and Zhilin Cheng	Modified SLD Model for Coalbed Methane Adsorption under Reservoir Conditions
412	Mr Yan Qiao, Prof. Hanqiao Jiang, Prof. Junjian Li, Dr. Bin Liang, Mr Fanle Meng and Mr Kangqi Shen	Diagnosis of Excessive Water Production of Horizontal Wells in High-Permeability and Low-Permeability Reservoirs
413	Mr.Fanle Meng, Prof.Junjian Li, Dr.Lin Zhao, Dr.Linkai Li, Mr.Yan Qiao and Mr.Yu Zhou	Study on characteristics of waterflooding in fractured reservoirs based on discrete fracture model
425	Zarina Khassenova, Ainur Kussainova, Zhanar Oralbekova and Kazizat Iskakov	Development of the modules of information system monitoring atmospheric air for industrial city
426	Zarina Khassenova, Ainur Kussainova, Zhanar Oralbekova, Kazizat Iskakov and Sabyrzhan Atanov	Experimental researches on the study of magnetic susceptibility of the scientific-research ground objects
430	Mr Bo Hui and Mr Hanqiao Jiang	A Practical Approach to Evaluate Dynamics of Production and Decline Characteristics in Continental Tight Oil Reservoirs
434	Mr Bo Hui, Prof. Hanqiao Jiang, Prof. Junjian Li, Dr Zhengdong Lei, Mr Yan Qiao and Mr Fanle Meng	Optimizing Well Spacing and Fracture Spacing with Well Interference Analysis for Multi-fractured Horizontal Wells in Tight Oil Reservoirs
438	Dinara Tokseit, Baktygerei Sholpanbaev, Amangeldy Bakayev and Zhanar Oralbekova	Experimental Data of Research Using Ground-Penetrating Radar “Loza-1B
439	Dinara Tokseit, Amangeldy Bakayev and Zhanar Oralbekova	Analysis of the radarograms results and experimental researches of subsurface coatings
450	Yang Liu, Junjian Li, Yajun Gao, Baoyang Cheng and Hanqiao Jiang	Pore Scales Study on the Mechanism of Emulsion Flooding on High Water Cut Stage by In-situ X-ray Micro-tomography
455	Achbi Mohammed Said, Sihem Kechida, Lounis Ahmed and Hocİnİ Abdesselam	Fault Tolerant control of reverse osmosis water desalination plant
464	Fares Zerarga, Abdelmadjid Bouhemadou and Djamel Allali	Structural, elastic and thermodynamic properties of the GeB2O4 (B = Mg, Zn and Cd) cubic spinels: An ab initio FP-LAPW study
486	Saliha Boutora and Hamid Bentarzi	ANALYSIS OF FERRORESONANCE IN ALGERIAN DISTRIBUTION NETWORK USING ATP SOFTWARE

491	Majdi Al-Mahasneh and Taha Rababah	Using Softcomputing Adaptive Neural Fuzzy System (ANFIS) in modelling applications in Food Technology
533	Elhadj Raouache, Fares Khalfallah and Rajakumar Selvarajan	NUMERICAL SIMULATION ON JOINING OF CERAMICS WITH ALUMINUM DISSIMILAR JOINTS BY FRICTION WELDING
554	Beata Grzyl, Sławomir Stemplewski and Magdalena Apollo	The algorithm for risk assessment of a general contractor of construction works using artificial neural network
555	Beata Grzyl, Magdalena Apollo and Adam Kristowski	Application of game theory for conflict management in a construction contract
577	Dr. Dansen Shang and Prof.Dr. Jirui Hou	Effect of Descending Viscosity Injection Pattern for Alkaline-surfactant-polymer (ASP) Flooding on Mobility Control and Enhanced oil Recovery
580	Tingting Cheng	Study on the Feasibility and Oil-displacement Mechanisms of Nano-TiO <sub>2</sub> in Low-permeability Reservoirs
601	Khalida Boutemak, Benamar Cheknane and Hadjer Ammour	Sorption of Green Malachite and Rhodamine-B Dyes from aqueous solution by biomass waste: kinetics, isotherm and thermodynamic studies
613	Mohammed Berka, Menouer Bennaoum and Zoubir Mahdjoub	Conception and Simulation of Metamaterial Transmission Line (CRLH) CPW in Coplanar Technology
619	Xingyuan Liang, Fujian Zhou, Tianbo Liang and Rui Wang	The Effect of Combined Proppants upon the Fracture Conductivity
626	Youcef BELLAL, Saida KERAGHEL, Fatiha BENGHANEM	Study of the Inhibitory Efficiency of an Original Schiff Base with respect to the Corrosion of Reinforcement Concrete in Aggressive Medium NaCl 0.5M.

### Theme -6:Material Science and Applications

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25	Aliye Arabacı	Influence of the calcination temperature on impedance spectroscopy of samarium-doped CeO <sub>2</sub> ceramic
37	Mohammed Boulesbaa	Characteristics of oxygen-rich silicon oxynitride thin films deposited by PECVD technique
41	Hamdi Moustapha, Hadj Aissa Benhorma and Mohamed Souici	THE RESIDUAL STRESSES MEASUREMENT IN A WELD SEAM OF A STEEL X70 BY XRD Sin $\psi$ <sup>2</sup>
67	Zahira Boukhemikhem	Physical and optical properties of NiFe <sub>2</sub> O <sub>4</sub> Spinel: Effect of chemical synthesis routes
140	Amina Allel, Hassiba Benguergoura and Mohamed Wahib Naceur	Preparation and characterization of PVA/MMT nanocomposites
141	Amina Allel, Hassiba Benguergoura and Mohamed Wahib Naceur	Effect of montmorillonite clay reinforcement on the curing characterisation of styrene butadiene rubber nanocomposites
235	Smail Lamara, Djaida Redaoui, Foudil Sahnoune and Nouari Saheb	EFFECT OF CaO ADDITION ON THE PHASE TRANSFORMATIONS ON CORDIERITE PREPARED FROM ALGERIAN KAOLIN AND MgO POWDER
236	Djaida Redaoui, Smail Lamara, Foudil Sahnoune and Menad Heraiz	SYNTHESIZED AND PHASES TRANSFORMATION OF CORDIERITE-SiC COMPOSITES PREPARED FROM ALGERIAN KAOLINITE, MgO AND SiC
241	Piotr Handzlik and Kamil Gutkowski	Synthesis of oxide nanotubes on Ti <sub>13</sub> Nb <sub>13</sub> Zr alloy by electrochemical method
251	Nour El Houda Fares	ELECTRON AND POSITRON CHARACTERISTICS IN GaP <sub>1-x</sub> N <sub>x</sub> TERNARY SEMICONDUCTOR ALLOYS
277	Özge Erdem	Surface Modification of MgB <sub>2</sub> Superconductor by Laser Irradiation
293	Youcef Bouchedoub, Mohamed Kherbeche, Ahlem Khlifati and Ali Meghlaoui	Frequency of HLA Class I and II Alleles in Algerian Lupus Patients: about 58 Cases Followed at Blida University Hospital
298	Tassi Hocine, Zidemel Sami and Allaoui Omar	Effect of martensite morphologies to Corrosion resistance in 5 % H <sub>2</sub> SO <sub>4</sub> solution of Borided API X70 Dual phase Steel
302	Foudil Sahnoune, Smail Lamara, Djaida Redaoui and Nouari Saheb	Effect of MgO addition on the Mechanism and Kinetic Parameters of Cordierite Crystallization by Differential Thermal Analysis (DTA)
303	Benhabib Bensalah, Allaoui Omar and Djeghlal Mohamed El-	Boro-nitriding of 25CrMo <sub>4</sub> , 42CrMo <sub>4</sub> and 55CrMoV <sub>5</sub> low alloy Steels

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356	Assoc.Prof.Dr.İlker Özkan and Assist.Prof.Dr. Esra Dokumaci	Production of borosilicate cullet by using rice husk ash
376	Bulent Aktas, Abuzer Acikgoz, Serife Yalcin, Hulya Hatay and Kaan Dogru	Mechanical Properties of Natural Obsidian Glasses Doped with Erbium Oxide
390	Melia Guessoum, Imane Mayouf and Sorya Nekkaa	Effects of blend composition and organophilic montmorillonites on the properties of the poly(lactic acid)/polypropylene system and its composites
403	Assia Boukezzata, Aissa Keffous, Brahim Mahmoudi, Hamid Menari, Samira Kaci, Lakhder Guerbous and Youcef Belkacem	Elaboration of porous thin hydrogenated amorphous silicon carbide films for optoelectronic device
407	Mohamed Maoudj, Djoudi Bouhafs, Nacer Eddine Bourouba, Abdel Kader El Amrani and Abdel Hak Hamida Ferhat	Compensated Silicon: The economy to the detriment of quality
408	Hayat Belmecheri, Tahar Seghier, Boubakeur Zegnini and Mohammed Belkheiri	Experimental Investigation of Dielectric Properties Dependence of Oil Insulation in Power Transformers
409	Abdelkader Elagoun, Tahar Seghier, Mohammed Belkheiri and Zegnini Boubakeur	Electrical cable terminations diagnosis by neural networks based on Dissolved Gas Analysis
414	Bouras Mounir, Dermeche Nassim and Kahlouche Ahmed	Modeling of photonic band gap in one-dimensional magnetophotonic crystals containing SiO <sub>2</sub> /ZrO <sub>2</sub> matrix doped with magnetic nanoparticles
415	Bouras Mounir, Allal Said and Charik Haouari	Analysis of highly-sensitive biosensor for glucose based on a one-dimensional photonic crystal nanocavity
421	Hadjira Tayoyb, Abdesselam Hocini and Ahlam Harhouz	Mid-Infrared Refractive Index Sensor Based On a 2D Photonic Crystal Cavity
435	Tuğba Erkoç, Lutfullah M. Sevgili and Selva Çavuş	Detailed Characterization of Ibuprofen
457	Djamel Allali, Abdelmadjid Bouhemadou, Fares Zerarga and Foudil Sahnoune	Structural, Elastic, Electronic and Optical Properties Of the LiZnX (X = P, As and Sb) filled-tetrahedral compounds: An ab initio FP-LAPW study
462	Fares Zerarga, Abdelmadjid Bouhemadou and Djamel Allali	Structural, elastic and thermodynamic properties of the LiCdX (X = As, Sb and Bi) filled-tetrahedral compounds: An ab initio FP-LAPW study
472	Amar Bouguerra, Rebiha Labbani and Laurent Ottaviani	Study of implanted carbon atoms profiles in Si(100) Targets by means of SIMS technique
492	Orhan Akyuz, Ceren Göde, Ersan Solakoğlu, Selami Elbaşı and Halil Göker	Investigation of The Mechanical Properties of Copper Manganese Alloy Produced By Continuous Casting Method
493	Orhan Akyuz, Metehan Atagür and Şerafettin Demić	Investigation of Thermal Properties of Quartz Added PP-Based Composites By High-Speed Thermo Kinetic Mixer
506	Oualid Ghelloudj, Amel Gharbi, Djamel Zelmati, Sihem Achouri, Mounira Bourebia and Chems Eddine Ramoul	Structural and tribological behavior of AISI A2 tool steel
507	Amel Gharbi, Mounira Bourebia, Khedidja Bouhamla and Oualid Ghelloudj	Abrasion wear behavior of A105N steel after heat treatment at different temperatures (500, 600, 700 and 800 °C)
510	Souad Brick Chaouche and Ahmed Haddad	EFFECT OF HEAT TREATMENT ON CORROSION RESISTANCE OF CARBON STEEL IN ALKALINE MEDIA
512	Taoualit Nadjet, Fatima-Zahra Said-Errahmani, Mehdi Lakdhari and Djamel-Eddine Hadj-Boussaad	Brackish Water Softening Using A Plasticized Polymeric Membrane Containing Trioctylphosphine Oxide (Topo) As Carrier
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517	Haddad Ahmed, Ziouche Aicha and Brickchaouche Souad	Effect of experimental factors on magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nanostructure produced by co-precipitation method
518	Aicha Ziouche and Ahmed Haddad	ENHANCEMENT OF CORROSION PROTECTION OF ALUMINUM ALLOY AND MAGNESIUM ALLOY BY A SOL-GEL COATING.
519	Haddad Ahmed	Inhibitor effect of clove essential oil on 304L steel corrosion in 1M HCl and critical pitting corrosion temperature.
544	Nalan Çiçek Bezir, Atilla Evcin, Bilal Bozkurt, Burcu Özcan,	Production and Characterization of Silver-Doped Chitosan Nano fibers at Different Rates

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551	F. Mezrag and N. Bouarissa	Pseudopotential study of ZnSe quantum dots: Band structure and dielectric properties
582	Abdelsadek Zoulikha and Juan Pedro Vazquez	Study of the catalytic activity of calcined hydrotalcites for Friedel–Crafts reactions
597	Smail Lamara, Djaida Redaoui and Foudil Sahnoune	DETERMINATION OF THE KINETIC PARAMETERS FOR THE CRYSTALLIZATION OF CORDIERITE FROM MgO–Al <sub>2</sub> O <sub>3</sub> –SiO <sub>2</sub> –TiO <sub>2</sub> GLASSES
606	Hakan Çiftçi, Bahri Ersoy and Atilla Evcin	Preparation of Silica-Pillared Magnetic Clay with Ordered Mesoporous Structure
607	Atilla Evcin, Bahri Ersoy and Hakan Çiftçi	Utilization of Marble and Boron Wastes in Brick Products
625	Youcef Bellal, Antar Abouhank and Hacene Serrar	Copper Oxide (CuO) Thin Films Deposited by Spray Pyrolysis Method

### Theme -7: Biological and Medical Science and Applications

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56	Dr. Bahdja Guerfi, Dr. Amina Zouani, Dr. Nadia Hadhoum and Pr. Fatma Zohra Hadjadj Aoul	PHYSICOCHEMICAL CHARACTERIZATION AND MICROBIOLOGICAL ANALYSIS FOR QUALITY CONTROL OF OLANZAPINE ACTIVE SUBSTANCE
68	Khader Nadia	Optimization and validation of a technique for the determination of ethyl alcohol by gas chromatography in two different matrices: water / blood
72	Ouarda Benaziz	Comparison of dissolution profiles of Paracetamol tablets: Princeps and Generic
86	Souhila Meherhera and Samia Abdi	Establishing the Reference Values of Some Biochemical Parameters in the Biology Laboratory of the UHC of Blida
87	Souhila Meherhera and Samia Abdi	Descriptive Study of Renal Transplant Patients at UHC Blida
168	Kateřina Horáčková, Lenka Škaroupková and Michaela Kalčíková Hisemová	Precautionary measures of ventilator associated pneumonia
244	Sabrina Sait-Dib, Lila Boulekbache-Makhlouf and Khodir Madani	Antimicrobial activity of Paronychia argentea
316	Dr Bouafif Lamia and Pr Ellouze Nouredine	Identification and classification of voice pathologies by speech processing
360	Violeta Mangalagiu, Dorina Amariuca-Mantu and Ionel Mangalagiu	Anticancer activity of some six member ring azaheterocycles
374	Amina Zouani, Bahdja Guerfi, Fouzia Mezroud, I Kermout and A Talailef	EVALUATION OF THE WATER FLUORIDE EXPOSURE IN URBAN AREAS IN THE PROVINCE OF BLIDA, ALGERIA
397	Neslihan Balpınar and Gülten Ökmen	Biological Activities and Chemical Composition of Senecio vernalis Waldst. et Kit. Growing in the Lakes Region of Turkey
398	Neslihan Balpınar, Gülten Ökmen and Ali Arslan	Assessment of Antimicrobial and Antioxidant Activities of Anchusa azurea Mill. and Cerinthe minor subsp. auriculata (Ten.) Domac Against Food Pathogens
422	Youcef Bouchedoub, Aicha Benzitouni, Mounira Semmana and Ali Meghlaoui	Autoantibody profile in Algerian lupus patients: about 106 cases
429	Fatih Serdar Sayin and Hasan Erdal	Design of Transport Ventilator with Intensive Care Feature for Neonates
478	Sofiane Tchoketch Kebir, Slimane Mekaoui and Mohamed Maazouz	Brain MRI Volumetric Segmentation and Modelling for Abnormalities Detection

605	Fatih Serdar Sayin, Miraç Kamışlıoğlu and Hasan Erdal	Trajectory Tracking Fuzzy Logic Controller Design and Implementation for Mechanical Ventilaton Devices
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### Theme-8: Education Technologies and Applications

155	Wenbo Su, Yuetian Liu, Wilson Mcharo and Yunpeng Wang	Research on relative permeability variations during low salinity water flooding in minerally different carbonate rocks
156	Fouad Berrabah and Ali Chebabhi	Direct Torque Control based on Three-Level Space vector Modulation of Double Star Asynchronous Machinefed by two Three-Level Neutral Point Clamped Inverter

### Theme-9: Agricultural Science and Technology

333	Amalou Djamel	Extraction and Caracterization of Tomato Seed Oil
367	Mr Benzohra Mohammed, Prof Benchabane Messaoud and Dr Ammad Faiza	Epidemiological study of wood disease and decline of the citrus in ALGERIA
479	Hatice Ogutcu and Hülya Avsar	ISOLATION, CHARACTERIZATION AND INVESTIGATION OF SIDEROPHORES PRODUCTION OF RHIZOBIUM SPP. TYPES ISOLATED FROM WILD LEGUMES
528	Dr. Riyadh Muhaidat, Prof.Dr. Khaldoon Al-Qudah, Prof.Dr. Ahmed Al-Taani and Sufian Aljammal	Assessment of nitrate and nitrite levels in treated wastewater, soil, and vegetables at the upper reach of Zarqa River in Jordan

### Theme -10: Forestry and Environmental Science and Engineering

65	Hamida Maachou, Youcef Bal, Alexandre Chagnes and Gerard Cote	Copper Sorption on Chitin and Acid-Washed Shrimp Shells from Palinurus Elephas: Isotherm and Kinetic Studies
179	Chelbi Salim and Dib Riad	A NEW CO-REGISTRATION AND FLATTENING ALGORITHMS FOR INTERFEROMETRIC PROCESS
309	Suheyla Yerel Kandemir	ASSESSMENT OF TOTAL ANNUAL RAINFALL IN CENTRAL ANATOLIA, TURKEY
320	Suheyla Yerel Kandemir	INVESTIGATION OF TOTAL MONTHLY RAINFALLS IN MARMARA REGION, TURKEY
364	Zella Lakhdar and Smadhi Dalila	Cereal virtual water in Algeria: blessing or curse?
476	Hamida Mallem, Zohra Houyou and Jamila Ameer	Particular effects of steppic plants in the rehabilitation of degraded soils, capacity to control wind erosion
534	Hatice Ogutcu, M.Y.Emre Karaman and Ferhat Kantar	ISOLATION, CHARACTERIZATION, HEAVY METAL TOLERANCE AND ANTIBIOTIC RESISTANCE OF BACTERIA FROM PETROLEUM HYDROCARBON POLLUTED CONTAMINATED SOILS
628	Hamida Mallem, Zohra Houyou and Renate Wesslingh	Study of heights of Aeolians deposits fixed by steppic plants in arid zone of Algeria