

ICIAS 2023



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Abstract Book

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INTRODUCTION

We had the great honor of organizing the 3rd International Conference on Innovative Academic Studies ICIAS 2023. It was truly a great pleasure for us to greet a lot of participants from many different countries attending ICIAS 2023! We firmly believe that the conference will become an important international event in the field of cross-industry discussion about innovations in Academic Studies.

Three cooperating organizations supported the four-day conference. There were 414 papers accepted for presentation at ICIAS 2023, contributed from different countries. We had plenary speeches and several well-known scientists and experts, to give invited talks at different sessions.

The purpose of ICIAS 2023 was to provide a forum for the participants to report and review innovative ideas, with up-to-date progress and developments, and discuss novel approaches to the application in the field of their own research areas and discuss challenges of doing science.

We sincerely hope that the exchange of ideas on doing research, science and improving education will help the participants, and international cooperation sharing the common interest will be enhanced.

On behalf the Organization Committee of ICIAS 2023, we would like to heartily thank our cooperating organizations for all they have done for the conference. We would also like to thank the authors for their contribution to the proceedings; the participants and friends of ICIAS 2023, for their interest and efforts in helping us to make the conference possible; and the Editorial boards for their effective work and valuable advice, especially the ICIAS 2023 secretariat and the ICIAS 2023 staff, for their tireless efforts and outstanding services in preparing the conference and publishing the Proceedings.

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124	QSAR modeling with non-steroidal aromatase inhibitors (NSAIs) of ferulic derivatives as potent treatment of breast cancer	SOUHIB BENNAADJA, EL KHAMSA SOLTANI	Algeria, Algeria	Submission 1821
125	Implementing SVPWM Technique in Power Systems with STM32F407 Discovery Board and Infineon IPM	Abderrahmen Kirad, Nora Kacimi, Said Grouni and Youcef Soufi	Algeria, Algeria, Algeria, Algeria	Submission 1822
126	Güzel Sanatlar Fakültesinden Mimarlık Fakültesine Geçen İçmimarlık Programlarının Müfredat Değişimi: Akdeniz Üniversitesi İç Mimarlık Bölümü Örneği	Yaren Şekerci, Zuhal Kaynakçı Elinç	Turkey, Turkey	Submission 1823
127	Development of A Probiotic Beverage (Synbiotic) From Baobab Fruits Fortified with Gum Arabic	Hager Hassan Ali BABEKER, Arzu AKPINAR BAYİZIT	Turkey, Turkey	Submission 1824
128	PREDICTION OF CRITICAL FLASHOVER VOLTAGE OF POLLUTED INSULATORS UNDER SEC AND RAIN CONDITIONS USING ANFIS	Lazreg Taibaoui, Boubakeur Zegnini, Abdelhalim Mahdjoubi	Algeria, Algeria, Algeria	Submission 1825
129	Transportation Analysis of Interconnectedness and Incident Accessibility of Highway Transportation Tunnels in Mountainous Regions: A Case Study in Antalya	Emre Demir	Turkey	Submission 1828
130	A Digital Single Market for Europe: Opportunities, Challenges, and Policy Implications	Simeana Beshi, Driola Susuri	Kosovo, Kosovo	Submission 1829
131	Organic light-emitting diode properties of triphenylamine and its derivatives	Nihat Karakuş	Turkey	Submission 1830
132	Photocatalytic degradation of caffeine by using Ag-Pd@ZnO-Zn ₂ TiO ₄	Fatima-Zahra Janani, Alaëddine Elhalil and Nouredine Barka	Morocco, Morocco, Morocco	Submission 1831
133	Theoretical and experimental investigation of the compatibilization agent contribution to the properties of polymer blend (PP/LDPE) interaction: thermal, morphological, and DFT insights	Walid BENAYACHE, Mohamed Tahar BENANIBA	Algeria, Algeria	Submission 1832
134	Theoretical investigations into the effect of the incorporation of an inorganic reinforcement and a compatibilizer on the structural, and thermal properties of high-density polyethylene	Walid BENAYACHE, Mohamed Tahar BENANIBA	Algeria, Algeria	Submission 1833
135	Design of Bi-Facial Solar PV System Using Stepwise Regression Analysis and Taguchi Method	Melih Savran	Turkey	Submission 1843
136	A Simple Node-Red Implementation for Digital Twins in the Area of Manufacturing	Blessing Ngonidzashe Musungate, Ahmet Tuncay Ercan	Turkey, Turkey	Submission 1845

137	Kira Artış Oranı Anlaşmazlıklarının Kiracı Gelir Artış Oranı Kullanılarak Çözümü	Olcaç Genç	Turkey	Submission 1846
138	The Indicators of Financialization: Manufacturing Industry in Turkey	Serkan Sengul	Turkey	Submission 1849
139	Hemzemin Geçit Yol Alt Dolgusu Sıkışma Verimi Tayini - Kozlu Örneği	Emrah Dağlı, Dilek Cansu Bozacıoğlu	Turkey, Turkey	Submission 1850
140	Study of the effects of mineral additions on the behavior of untreated and heat-treated high-performance concrete	LAHMAR Seifeddine Mehdi, BENAMMAR Benkhadda, MERDAS Abdelghani and KESSAL Oussama	Algeria, Algeria, Algeria, Algeria	Submission 1851
141	Photodegradation of acid red 14 by a modified Fenton-like process using Fe(III)-EDTA complex as catalyst in aqueous medium	Badreddine SELLAM, Nassira SERAGHNI and Tahar SEHILI	Algeria, Algeria, Algeria	Submission 1852
142	Occurrence of Anisakis spp. larvae in Red mullet (<i>Mullus barbatus</i>) from Vlora Bay	Egon Andoni, Ani Vodica, Enkeleda Ozuni	Albania, Albania, Albania	Submission 1853
143	Implementation of Load Frequency Control Using Fuzzy Logic Controller in an Interconnected Power System	S.Vinoth Kumar, P.Thamizhazhagan, M.Suman and D.Periyazhagar	India, India, India, India	Submission 1860
144	CONGESTION MANAGEMENT IN DEREGULATED POWER SYSTEM BY SVC USING POWER WORLD SIMULATOR	M.Gnanaprakash, Dr.S.P.Mangaiyarkarasi, V.Jeevabethan and M.Vallarasu	India, India, India, India	Submission 1861
145	Study of structural and optical properties of vanadium-doped titanate nanotubes: application in photodegradation of tannic acid	BOUAYED Aouicha Mounia, AMEUR Nawal, BEDRANE Sumeya, BACHIR Redouane	Algeria, Algeria, Algeria, Algeria	Submission 1867
146	Risk Assessment of Human Errors in Maritime Pilot Transfers Using the Bayesian Method	Muhammet Aydın, Muhammet Boran	Turkey, Turkey	Submission 1878
147	Modeling and Simulation of an Inverted Pendulum	Abdelghafour HERIZI	Algeria	Submission 1881
148	Computational heuristics for Troesch's Problem in Plasma Physics	Noman Yousaf, Rubina Nasira, Romana Ghazal, Saima Rafiquec	Pakistan, Pakistan, Pakistan, Pakistan	Submission 1882
149	Seçici Lazer Eritme Yöntemiyle Üretilen Maryaşlandırma Çeliği (18Ni300) Numunelerinde Üretim Parametrelerinin Akma Davranışı ve Basma Mukavemeti Üzerindeki Etkileri	Orhun Arslan, Ali Arı, Ali Bayram	Turkey, Turkey, Turkey	Submission 1886
150	Photosensitizers for Dye Sensitized Solar Cells: A Comparative Study of Twelve Natural Pigments Extracted From Different Sources	Yasmine HALIMI and Zakaria BOUZID	Algeria, Algeria	Submission 1888
151	Green synthesis of silver nanoparticles	Faouzi.Lasmi, Hassiba.Laribi, Houria.Hamitouche	Algeria, Algeria, Algeria	Submission 1889
152	Reaction-Diffusion Systems for Morphogenesis	Samiha Djemai and Salim Mesbahi	Algeria, Algeria	Submission 1891
153	Convection-Reaction-Diffusion Model Applied in Quenching	Salim Mesbahi and Samiha Djemai	Algeria, Algeria	Submission 1892
154	Exploring the Phytochemical Composition, Essential Oil Analysis, and Antioxidant Properties of an Endemic Northern Sahara Plant from Algeria: <i>Ononis angustissima</i> Lam. subsp. <i>filifolia</i> Murb.	Khadija Messaoudi, Tarek Benmeddour and Guido Flamini	Algeria, Algeria, Italy	Submission 1893
155	Optimal Decay results of a singular viscoelastic equation	Farida Belhannache, Salim A. Messaoudi	Algeria, UAE	Submission 1895
156	The Waste Of Plastic In The Building Materials	S.HAMMACHE, O.IZEMMOUREN, A.GUETTALA	Algeria, Algeria, Algeria	Submission 1896
157	Impact of thermal treatment on the adsorption of a cationic pollutant by clay 2:1	Hadjer BOUSEMAT, Samira ZIANE, Amine KHELIFA	Algeria, Algeria, Algeria	Submission 1899
158	Motivation in Foreign Language Teaching	Kübra Kırac Demiray	Turkey	Submission 1901
159	Antibacterial activity of some isolated endophytic fungi from <i>Zygodophyllum album</i>	Bedaïda Ibtissam Kahina, Noumeur Sara Raouia	Algeria, Algeria	Submission 1902
160	Plant-derived essential oils and phytochemical compounds as sources of anti-inflammatory molecules	Boukhatem B.S.I., Belhadj A.E and Boukhatem Mohamed Nadjib	Algeria, Algeria, Algeria	Submission 1905
161	Are simulation analyses useful for phylogenetic problems?	Deniz Aygören Uluer	Turkey	Submission 1907
162	Improving sludge management and transforming waste into sustainable resources	BAALI Saad, Professor.MAZA Mekki, RAHMOUNI zine EL Abidine, TEBBAL Nadia	Algeria, Algeria, Algeria, Algeria	Submission 1912
163	New Cybersecurity Scheme for Electrical Substation using Wifi Protected Access 3 and Local Authenticator	Firas S. Alsharbaty, Qutaiba I. Ali	Iraq, Iraq	Submission 1914
164	Fractional Differential Transform Method for Solving a Class of Nonlinear Fractional Differential Equations	Lina Chetoui, Ali Khalouta	Algeria, Algeria	Submission 1916
165	Sürü Robotlarda ArUco Tabanlı Navigasyon ve Hareket Optimizasyonu	Abdulhamit Sevgi, Mustafa Güneş	Turkey, Turkey	Submission 1924
166	Poor but Still Sexy: Defining Urbanity in the Context of Emerging Spatial Paradigms Through Contemporary Sociological Lenses	Ivan Mirkovski	North Macedonia	Submission 1930
167	Assessing the Durability of Mortar Incorporating Sewage Sludge Ash under High-Temperature Exposure	BOUSLAH Mahmoud, MAZA Mekki, RAHMOUNI Zine EL Abidine and TEBBAL Nadia	Algeria, Algeria, Algeria, Algeria	Submission 1931

168	A bibliographic study on the effectiveness of geopolymers in the field of thermal insulation	Touahria Medjida	Algeria	Submission 1933
169	Analysis of an inventory management model in a manufacturing process based on material requirements planning (MRP)	Sara Srebrekoska, Dejan Krstev and Marija Cekerovska	North Macedonia, North Macedonia, North Macedonia	Submission 1934
170	Detailed investigation on structural properties and transport mechanism governed in La _{0.6} Pr _{0.2} Ba _{0.2} MnO ₃ manganite compound	Fatih DENBRI, Nabil MAHAMADIOUA	Algeria, Algeria	Submission 1935
171	The influence of acidic medium on the photoderadation of trypan blue in the presence of synthesized nanoceria	M. Dridi, A. Gharbi, A. Daas and Y. Hamlaoui	Algeria, Algeria, Algeria, Algeria	Submission 1936
172	Consideration of silver nanoparticles as a smart antimicrobial agent	Faouzi.Lasmi, Hassiba.Laribi, Houria.Hamitouche	Algeria, Algeria, Algeria	Submission 1938
173	Application of silver nanoparticles in therapeutic	Faouzi.Lasmi, Hassiba.Laribi, Houria.Hamitouche	Algeria, Algeria, Algeria	Submission 1939
174	THE EFFECT OF SOCIAL APPEARANCE ANXIETY AND THE DESIRE TO BE LIKED ON THE SOCIAL MEDIA ADDICTION OF UNIVERSITY STUDENTS USING SOCIAL MEDIA	Esra ÜNAL, Naciye Esra KOYUNCU	Turkey, Turkey	Submission 1948
175	Comparing Machine Learning Classification Models on a Loan Approval Prediction Dataset	Ladislav Végh, Krisztina Czaková and Ondrej Takáč	Slovakia, Slovakia, Slovakia	Submission 1951
176	Üretken Yapay Zeka: ChatGPT, Bing ve Bard Karşılaştırmalı Bir İnceleme	Selma BULUT	Turkey	Submission 1953
177	Communicating Scientific and Health Issues In Nigeria: Implications & Prospects	Sijuade E.O, Kehinde Kadri and Akinboade Akinriade	Nigeria, Nigeria, Nigeria	Submission 1955
178	Mathematical Modeling and Evaluation of Performance Characteristics of a Hybrid Solar PV and Wind Energy System	Abderrahmane Mehellou, Mhammedi Benalia and Aymane Guedda	Algeria, Algeria, Algeria	Submission 1962
179	The Paleogeography during the Maastrichtian in the Gulf of Souss, Morocco	JDABA Naji, Algouti Ahmed, Aydda Ali, Hadach Fatiha, Ezaidi Abdelkrim and Tabit Abdelhalim	Morocco, Morocco, Morocco, Morocco, Morocco, Morocco	Submission 1963
180	Correlation between ground motion intensity measures and seismic demand of RC frames according to Eurocode-8	Ahmet Demir	Turkey	Submission 1964
181	Çevre dostu yöntem ile aspir (Carthamus tinctorius L.) bitkisi atıklarından Selenyum nanopartikül üretimi ve Methylene Blue gideriminde kullanımı	Talip Turna	Turkey	Submission 1965
182	Kiraz (Prunus avium L.) bitkisi atıklarından yeşil sentez yöntemi ile Fe ₃ O ₄ manyetik nanopartikül üretimi ve metilen mavisi gideriminde kullanımı	Alper Solmaz	Turkey	Submission 1966
183	DIFFERENT TYPES OF ACTIVATION OF SUPPLEMENTARY CEMENTING MATERIALS	ZADRI Hanane, TEBBAL Nadia, RAHMOUNI Zine el Abidine and MAZA Mekki	Algeria, Algeria, Algeria, Algeria	Submission 1970
184	Inhibitory effect of alkaline phosphomonoesterase and phosphodiesterase enzymes from Naja nigricollis nigricollis snake venom by Chromolaena odorata leaves	Okafor Azubuike Ikechukwu	Nigeria	Submission 1972
185	Ultrasound Assisted Green Synthesis of MgO Nanoparticles for Photocatalytic and Antibacterial Studies	Gamze TOPAL CANBAZ	Turkey	Submission 1974
186	Activity of bee pollen extract on a biological level	OUMAMAR LOUBNA, SOLTANI EL KHAMSSA	Algeria, Algeria	Submission 1977
187	Potential Status of Microbial Fertilizer Applications in Turkey	Nihal Ahıskaloğlu, Nurcihan Hacıoğlu Doğru	Turkey, Turkey	Submission 1978
188	HOFFMAN Sezgisel Yöntemi ile Montaj Hattı Dengeleme Problemi	İsmail Akargöl	Turkey	Submission 1983
189	Fuzzy Double-Indexed Norm Space in Terms of α -Level Set	Sevda Atpınar	Turkey	Submission 1987
190	Modeling the Main Marmara Fault with the Contemporary Velocity Field by 3D Finite Element Method to Reveal Seismic Potential	M. Fahri Karabulut, H. Hakan Yavaşoğlu, İbrahim Tiryakioğlu, V. Engin Gülal, Frederic Masson, Eda Esma Eyübagil, Ali Özkan	Turkey, Turkey, Turkey, Turkey, France, Turkey, Turkey	Submission 1989
191	Financial Innovation and Banking Product Evolution: Potential Trends and Risks	Thameur Oussama	Algeria	Submission 1990
192	Numerical investigation of natural convection in a cavity square using a hybrid nanofluid	Adel Baiti	Russia	Submission 1991
193	Repeat Breeder İneklerde Asprosin Seviyeleri İle Gebe Kalma Arasındaki İlişki	Kudret Yenilmez	Turkey	Submission 1994
194	Silver Nanoparticles: Electrosynthesis, Characterization, Properties, Applications, and Therapeutic Strategies	Faouzi Lasmi, Hassiba Laribi, Houria Hamitouche	Algeria, Algeria, Algeria	Submission 1995
195	Integrated solar BESS charging station for grid-supported electric vehicles: a sustainable approach in the fight against global warming	TRAIBIZ Omar, OULAD BEN ZAROUALA Rachad	Morocco, Morocco	Submission 1996
196	Biosynthesized Silver Nanoparticles	Faouzi Lasmi, Hassiba Laribi, Houria Hamitouche	Algeria, Algeria, Algeria	Submission 1997
197	Synthesis of Silver Nanoparticles and its Application	Faouzi Lasmi, Hassiba Laribi, Houria Hamitouche	Algeria, Algeria, Algeria	Submission 1998
198	Influence of cement type on the durability of building	Ramdane Kahlouche and Safia	Algeria, Algeria	Submission

	materials	Mebarek Haddad		1999
199	A Transparent and Immutable Voting System Utilizing Blockchain	Jian-Him Sam, Ming-Lee Gan	Malaysia, Malaysia	Submission 2002
200	Investigation of economical trapezoidal channel design using harmony search algorithm	Ümüt Sakine Demir	Turkey	Submission 2003
201	THE SPECTRUM OF PARAMETER DEPENDENT PERIODIC THREE-INTERVAL BOUNDARY VALUE PROBLEMS WITH ADDITIONAL IMPULSIVE CONDITIONS	Oktay Sh. MUKHTAROV, Kadriye AYDEMİR, Merve Yücel	Turkey, Turkey, Turkey	Submission 2007
202	Farklı Tasarımlara Sahip Soğutucuların Termal Performansının İncelenmesi	Mehmet Kan	Turkey	Submission 2008
203	Simulation of a VDMOS transistor with SILVACO TCAD	Bella Mourad	Algeria	Submission 2013
204	GENERAL VIEW AND ANALYSIS OF THE CHANGE/DEVELOPMENT PROCESS IN TAX REVENUES AND NUMBER OF TAXPAYERS IN THE PERIOD 2010-2022	Selda AYDIN , Fazıl AYDIN	Turkey, Turkey	Submission 2014
205	Construction of Generating Functions of numbers and polynomials with symmetric function in several variables	Rokiya Sahali and Ali Boussayoud	Algeria, Algeria	Submission 2015
206	Renewable energy and green jobs	Yusuf Demir	Turkey	Submission 2017
207	Yapay Zekanın Kullanım Alanları ve Etik Sorunlar	Oğulcan Tekbey, Ayşegül Alaybeyoğlu	Turkey, Turkey	Submission 2018
208	Analysis of PM Dimensions in Disc Pad Interaction in Commercial Vehicles	Hicri Yavuz	Turkey	Submission 2019
209	In-depth analysis of population homogeneity of bees using classical morphometrics based on wing angles in Apis mellifera intermissa across various ecoregions of Northeast Algeria	Roumaissa Bendjebbar, Fatma Zohra Bouzid, Houda Berrouk and Choukri Barour	Algeria, Algeria, Algeria, Algeria	Submission 2023
210	A New Image Encryption System Based on Chaotic TentLog Card	Noura Louzzani and Abdelkrim Boukabou	Algeria, Algeria	Submission 2025
211	٭Potentialities Of Interior Redesign To Create Interactive Spaces In The Central Library / University Of Mosul	Asma Hasan Al-Dabbagh, Suha Imad Al-dobouni	Iraq, Iraq	Submission 2026
212	Microstructure investigation on low carbon steel joints arc welded	Makri Hocine	Algeria	Submission 2028
213	The mechanical behavior of self consolidating concrete at high temperature	BENZAID Mehdi, BOUKOUR Salima, ZIANE Sami and BENMARCE Abdelazize	Algeria, Algeria, Algeria, Algeria	Submission 2029
214	Regulation of Genome with Peptide Bioregulators by Hypertrophic Cardiomyopathy	M. Gaiozishvili, T. Buadze, T. Jokhadze, T. Sigua, T.Lezhava	Georgia, Georgia, Georgia, Georgia, Georgia	Submission 2030
215	On Subgroups of Units in $Z(G \times Cpq)$	Ömer KÜSMÜŞ	Turkey	Submission 2032
216	DFT calculations studies of (2Z,5Z)-5-(4-nitrobenzylidene) -3-N(2-methoxyphenyl)-2-N'(2-methoxyphenylimino) thiazolidin-4-one, Hirshfeld surface analysis and Experimental characterization.	Kheira HAMMOU, Mohammed Hadj Mortada BELHACHEMI and Zohra Douaa BENYAHLOU	Algeria, Algeria, Algeria	Submission 2033
217	Catalytic isomerization of light Naphtha (C5/C6) in refining unit	Boudjema Amir Lehtihet, Tayeb Fakhreddine Boukezoula Lahcène Bencheikh	Algeria, Algeria, Algeria	Submission 2036
218	Employing a polymer inclusion membrane to remove cationic dye (Methylene Blue)	Yanis Zakaria Lakehal, Salima Ziani, Salima Aitali, Boudjema Amir Lehtihet	Algeria, Algeria, Algeria, Algeria	Submission 2037
219	Physico-Mechanical Behavior of Concrete Based on Marble Waste and Ground Blast Furnace Slag	Yassine Abbas, Rachid Djebien and Sidali Denine	Algeria, Algeria, Algeria	Submission 2040
220	Review of the Wear Resistant Coatings for Automotive Tools	Pusta Jalalova	Hungary	Submission 2047
221	Solar Energy Solutions for Urban Administrative Buildings: A Numerical Analysis	Chafik Mahaya, Houda Benharra, Noureddine Zemmouri	Algeria, Algeria, Algeria	Submission 2048
222	Agricultural waste for the use of the environment; Application to water treatment	N. Gherbi, D. Belkharouchche, Y. Hamedi, K. Ferhat, Z. Ziani Zakarya, M. Khetib	Algeria, Algeria, Algeria, Algeria, Algeria, Algeria	Submission 2050
223	Intelligent Transportation Systems for Sustainable Urban Environments	Melik Sami, Khelil Sara	Algeria, Algeria	Submission 2054
224	Örgüt Kültürü Unsurları Üzerine Etnografik Bir Araştırma: Muallim Rifat Eğitim Fakültesi Örneği	Metin KIRBAÇ	Turkey	Submission 2055
225	HRP6222 Çeliğinin Sertliğine Kaynak Parametrelerinin Etkisinin İstatistiksel Analizi	Yasin Hasırcı, Muhammed Elitaş, Medine Nur Türkoğlu Elitaş	Turkey, Turkey, Turkey	Submission 2056
226	Kalça Protezi İmplant Uygulamalarında İdeal Malzemelerin Seçilmesinin Çok Kriterli Karar Verme Yöntemleri İle Araştırılması	Bayram ÜNAL, Safiye Nur YILDIZ	Turkey, Turkey	Submission 2058
227	Study and Simulation of Solar Energy and Photovoltaic Systems	Lebled Ryma	Algeria	Submission 2060
228	Effect of Constructing Twin Tunnels Under a Slope	Nesrine El Houari, Omar Taleb and Fethi Hamzaoui	Algeria, Algeria, Algeria	Submission 2067
229	THE PROTOFEMINIST VISION OF PERCY	Soner Kaya	Turkey	Submission

	BYSSHE SHELLEY IN NINETEENTH-CENTURY ENGLAND			2068
230	A Highly Accurate Numerical Method Using Polynomial Approximation for Volterra Fractional Integro-Differential Equations	Zineb Laouarand Nouria Arar	Algeria, Algeria	Submission 2069
231	The Influencing Factors on Self-Esteem of Adolescents	Dorina Xhani	Albania	Submission 2070
232	Arduino-Powered Automation for Accurate Digital Counting	Hamza Jan, Muhammad Saad, Atta Ur Rehman and Qaisar Mehfooz	Pakistan, Pakistan, Pakistan, UK	Submission 2073
233	Thermal Performance Analysis of Phase Change Material Integrated into Ground Floor to Reduce Building Heating and Cooling Load	Meryem TERHAN	Turkey	Submission 2077
234	Türkiye’de Kadın İstihdamının Ekonomik Büyüme ve Kalkınmadaki Rolü	Elif YEKTİN, Bekir ÇELİK	Turkey, Turkey	Submission 2078
235	Recent Developments in Textiles for Recreation and Outdoor Activities	Çağlar Sivri	Turkey	Submission 2080
236	A Detailed Simulation of the Four-Bar Linkage Coupler Curve and Its Surface Fit Applications	Kadir Can Erbaş	Turkey	Submission 2084
237	A Comprehensive Review of Different Maximum Power Point Tracking Techniques	Muhammad Sabeel Shah, Mohsin Ahmad, Mah Noor, Abdul Qadeer, Muhammad Zaman	Pakistan, Pakistan, Pakistan, Pakistan, Pakistan	Submission 2087
238	FARMERS ASSESSMENT OF SOCIAL CAPITAL EFFECT ON POULTRY PRODUCTION IN ONDO STATE, NIGERIA	Bolanle Aina Olumoyegun and Adewumi Temidire Olumoyegun	Nigeria, Nigeria	Submission 2088
239	AFET GÖNÜLLÜLERİNİN ORGANİZASYONUNDA PİKTOGRAM KULLANIMI	Birsen ÇEKEN, Yunus Şafak KAHRAMAN	Turkey, Turkey	Submission 2091
240	The importance of mastering QGIS and ArcGIS in Earth Sciences at the Faculty of Geology	Yuriy Vikhot, Solomiia Kril	Ukraine, Ukraine	Submission 2092
241	Voltage Sag Mitigation Using DTATCOM	Atta Ur Rehman, Imtiaz Ahmad	Pakistan, Pakistan	Submission 2093
242	EFFECT OF TEMPERATURE ON GEOPOLYMERIZATION	Benghalem Nour Elhouda, Tebbal Nadia and Rahmouni Zine El Abidine	Algeria, Algeria, Algeria	Submission 2096
243	Osmanlı saraylarının ısıtılması ve aydınlatılmasında kullanılan enerji kaynaklar	Sezgin Zabun	Turkey	Submission 2097
244	Some new generating functions for products of bivariate polynomials and different numbers	Amina Daoui and Khadidja Boubellouta	Algeria, Algeria	Submission 2099
245	Investigating the Relationship Between Natural Gas Consumption and Air Quality Parameters in two Turkish Cities Considering their GHG Scope of Emission	Can Burak ÖZKAL	Turkey	Submission 2101
246	The Properties of Graphite-Guar Gum Coated Papers for Use in Electrical Conductivity-Required Areas	Evren Ersoy Kalyoncu	Turkey	Submission 2103
247	Nar Kabuğunun Mikroalga Destekli Pirolyzi Yoluyla Aktif Karbon Üretimi ve Enerji Depolamada Kullanımı	Mesut KARTA, Serdar ALTIN, Tolga DEPCI	Turkey, Turkey, Turkey	Submission 2104
248	Using polystyrene membrane modified with oleic acid to extract gentian violet dye	Yanis Zakaria Lakehal, Salima Ziani, Salima Aitali, Boudjema Amir Lehtihet	Algeria, Algeria, Algeria, Algeria	Submission 2105
249	Usage of Textile Reinforced Concrete in Seismic Strengthening of RC Structures	Tuğçe SEVİL YAMAN	Turkey	Submission 2112
250	Advancements in Intelligent Transportation Systems (ITS) and Roadside Unit (RSU) Design: A Comprehensive Review	Mohammed F. Rashad, Qutaiba I. Ali	Iraq, Iraq	Submission 2113
251	Construction of generating function of generalized tribonacci numbers with numbers and polynomials	Ghadri Amel, Chelgham Mourad	Algeria, Algeria	Submission 2115
252	Reducing power potential of methanolic extract from scabiosa	Hadjer Sekhri Zeggar, Ahlem Karbab and Nouredine Charef	Algeria, Algeria, Algeria	Submission 2116
253	Optimizing the Layout of Festo MPS 500 system with Safety Integration	Amine Hakim GUEZZEN, Amina OUHOU	Algeria, Algeria	Submission 2117
254	In vivo Nephro and Adrenal protective effect of Polyherbal emulsion (NSSMCC) on alloxan induced diabetic albino rat	Tahira Almas, Sajida Batoool and Fatima Iram	Pakistan, Pakistan, Pakistan	Submission 2118
255	Elektriksel İletkenlikle Asfalt Betonlarının İyileşebilirliği	Cahit GÜRER, Ayfer ELMACI KORKMAZ, Burak Enis KORKMAZ	Turkey, Turkey, Turkey	Submission 2165
256	Delici ve Kesici Aletlere Karşı Koruyucu Hafif ve Giyilebilir Tekstil Ürünlerinde Kullanılabilecek Fiberlerin Çok Kriterli Karar Verme Yöntemiyle Seçilmesi	Bayram ÜNAL, Safiye Nur YILDIZ	Turkey, Turkey	Submission 2123
257	Antioxidant activity of new Schiff base derivative of dehydroacetic acid	Tinhinane Louaileche, Salima Tabti, Samra Amamra and Chaima Maouche	Algeria, Algeria, Algeria, Algeria	Submission 2126
258	Numerical Investigation on the Temperature Distribution of Three-Cell Hollowed Concrete and Solid Masonry Walls	Burak Kaan Cırpıcı and Halil Ibrahim Sen	Turkey, Turkey	Submission 2127

259	Beyond Noise Reduction: Designing for Positive Acoustic Experiences in Cities	Melik Sami, Khelil Sara	Algeria, Algeria	Submission 2128
260	Improving power quality with a hybrid active power filter based on fuzzy logic controller	SARRA Mustapha, DJAZIA Kamal, BOUDECHICHE Ghania	Algeria, Algeria, Algeria	Submission 2130
261	Solar Active Power Filter Based on Direct Power Control	SARRA Mustapha, DJAZIA Kamal	Algeria, Algeria	Submission 2133
262	Study of the performance of a membrane made from high- density polyethylene waste for methylene blue dye separation in aqueous solution	Yanis Zakaria Lakehal, Salima Ziani, Salima Aitali, Aghilas Brahmi, Boudjema Amir Lehtihet	Algeria, Algeria, Algeria, Algeria, Algeria	Submission 2135
263	Lityum İyon Pillerde Kullanılan Katot Materyallerinde Stronsiyum İkamesinin Katyon Karışımı ve Başlangıç Kapasitesine Etkisi	Erdinç Öz	Turkey	Submission 2142
264	A Study on Adjustment and Behavior Problems of School-Age Children	Didem TÜRKÖĞLU	Turkey	Submission 2150
265	Mobilya Montaj Çalışanlarının Karşılaştıkları Sorunlar ve Çözüm Önerileri	Mehmet ÇOLAK, Fatma Gül KÖKSAL BAKIR, Tahsin ÇETİN	Turkey, Turkey, Turkey	Submission 2152
266	Identifying of potential advantages and disadvantages of the presence of residential construction in the Bulgarian Black Sea resort Saint Saint Constantine and Helena	Stefan Ivanov	Bulgaria	Submission 2153
267	Modeling and control of nonlinear active suspension systems using LQR control (Comparative study)	Zineb BOULAARAS, Abdelaziz AOUCHE, and Kheireddine CHAFAA	Algeria, Algeria, Algeria	Submission 2159
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406-410	Fizyoterapi bölümü öğrencilerinin engellilik hakkındaki görüşleri	Ayşegül DEMİR SARIİPEK	Turkey	Submission 1984
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427-435	A hybrid model with feature selection and hyper parameters for detecting diabetes in PIMA Indian dataset	Cihan Açık yürek and Gökalp Çınarar	Turkey, Turkey	Submission 1992
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455-461	Decrement trend in mechanical performances and characteristic behavior of calcium saturated Bi-2212 Ceramics	Muhammed Öz, Ümit Erdem, Gürcan Yıldırım	Turkey, Turkey, Turkey	Submission 2006
462-469	Leptin Effects on Brain Function and the Immune System	Mehmet ÖZSAN, Nurcan DÖNMEZ	Turkey, Turkey	Submission 2010
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733-735	Characterization of Anatomical Characteristics of the Endemic <i>Digitalis lamarkii</i> (Plantaginaceae)	Bayram Atasagun, Deniz Ulukuş	Turkey, Turkey	Submission 2160
736-739	Anatomical study on <i>Origanum vulgare</i> subsp. <i>viridulum</i> (Lamiaceae)	Bayram Atasagun, Deniz Ulukuş and Metin Armağan	Turkey, Turkey, Turkey	Submission 2161
740-747	Metakaolin ve Kolemanit Atığı İçeren Harç Karışımlarının Yüksek Sıcaklık Etkisi Altındaki Performansının İncelenmesi	Arif Benlioğlu, Musa Yıldırım, Süleyman Özen, Muhammet Gökhan Altun	Turkey, Turkey, Turkey, Turkey	Submission 2164
748-753	Öğütülmüş Yüksek Fırın Cürufu İkameli ve Uçucu Kül Bağlayıcı Geopolimer Harçlarda Eğilme Dayanımı Özellikleri	Osman ULUSU, İlhami DEMİR, Özer SEVİM, Emre TATAR	Turkey, Turkey, Turkey, Turkey	Submission 2168
754-758	Comparative assay of LRRK2 gene mutations via bioinformatics approach	Ledia Vajari, Erisa Miçuli and Gledjan Caka	Albania, Albania, Albania	Submission 2170
759-761	Türkiye'nin Toplam Elektrik Enerji Kaybının Makine Öğrenmesi Yöntemleriyle Tahmin Edilmesi	Ömer Ali Karaman	Turkey	Submission 2180
762-766	Classification of Lemon Quality Using the Residual Convolutional Neural Network Deep Learning Model	Emre Avuçlu, Bilal Şenol	Turkey, Turkey	Submission 1767
767-778	Structural Comparative Analysis of Nanocomposite Materials Comprising Mg, Zn, and Co Synthesized via Sono-electrochemical and Hydrothermal Approaches	Safia HARRAT, Mounir SAHLI, Khaled CHETEHOUNA	Algeria, Algeria, France	Submission 1854
779-783	5-Sülfosalisik Asit İle 2-Aminopiridin Türevlerinin Proton Transfer Tuzlarının Antimikrobiyal Aktivitelerinin İncelenmesi	Halil İlkimen, Cengiz Yenikaya, Aysel Gülbandır	Turkey, Turkey, Turkey	Submission 1858
784-793	2-Metoksi-5-sulfamoyilbenzoik Asit İle 2-Aminopiridin Türevlerinin Proton Transfer Tuzlarının Sentezi, Karakterizasyonu, Antimikrobiyal Ve Antifungal Aktivitelerinin İncelenmesi	Halil İlkimen, Cengiz Yenikaya, Aysel Gülbandır	Turkey, Turkey, Turkey	Submission 1859
794-796	Analytical estimates of electrical resistivity of platinum and palladium in the wide temperature range	Tural Mehmetoğlu	Turkey	Submission 1946
797-804	Bölünmüş Devlet Yollarının Onarım Maliyetlerinin Tahmini ve Maliyetin ESDY Sayılarına Göre Taşıt Sınıflarına Dağılımının Değerlendirilmesi	İhsan Güzel	Turkey	Submission 2062
805-809	Dynamic Behavior of The Rotor Structure By the Finite Element Method P- Version	Ahmed Mezrag, Abdelkrim Boukhalfa	Algeria, Algeria	Submission 2137
810-816	Endüstriyel Atık Kullanılarak Üretilen Geopolimer Harçların Durabilite Özellikleri	Özlem Çavdar, Hülya Temizer	Turkey, Turkey	Submission 2154
817-820	Experimental Investigation of Friction Stir Spot Welding of dissimilar AA5052-AA7075 Joints	Mian Zaem Gulzar and Salman Hussain	Pakistan, Pakistan	Submission 1942
821-825	Modal Analysis of Five-Storey Reinforced Concrete Structure Using MATLAB Partial Differential Equation Toolbox	Olgun KÖKSAL, Zeki KARACA and Erdem TÜRKELİ	Turkey, Turkey, Turkey	Submission 1971
826-838	DIŞ BORCUN SÜRDÜRÜLEBİLİRLİĞİ: TÜRKİYE AÇISINDAN 2000 SONRASI DEĞERLENDİRME	Filiz Giray	Turkey	Submission 2083

839-842	Solving Problems With Inhomogeneous Boundary Conditions	Münevver Tuz	Turkey	Submission 2124
843-847	Tokyo Mou Bölgesinde Gerçekleşen Gemi Tutuklamaları Üzerinde Rol Oynayan Değişkenlerin İncelenmesi	Bünyamin Kamal	Turkey	Submission 2149

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**3RD INTERNATIONAL CONFERENCE
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SEPTEMBER 26-28, 2023**

09.10.2023

26-28 Eylül 2023 tarihlerinde MEET üzerinden çevrimiçi olarak gerçekleştirilen 3rd International Conference on Innovative Academic Studies ICIAS 2023 konferansı akademik teşvik yönetmeliğinin 9. Maddesine istinaden “Tebliğlerin sunulduğu yurt içinde veya yurt dışındaki etkinliğin uluslararası olarak nitelendirilebilmesi için Türkiye dışında en az beş farklı ülkeden sözlü tebliğ sunan konuşmacının katılım sağlaması ve tebliğlerin yarısından fazlasının Türkiye dışından katılımcılar tarafından sunulması esastır.” kriterlerini sağlamaktadır. Toplam 414 adet bildirinin yer aldığı kongre üç gün boyunca çevrimiçi olarak gerçekleştirilmiştir.

Türkiye dışından toplam 24 farklı ülkeden (**Fas, Cezayir, Fransa, Kosova, Slovakya, Kuzey Makedonya, Bulgaristan, Pakistan, Arnavutluk, Azerbaycan, Hindistan, Irak, Ukrayna, Tunus, Birleşik Krallık, Çek Cumhuriyeti, Birleşik Arap Emirlikleri, İtalya, İran, Nijerya, Rusya, Malezya, Gürcistan, Macaristan**) katılım sağlanmış olup, 414 adet bildirinin 230 (%55,55) tanesi yabancı katılımcı tarafından sunulmuştur.

Kongremize ilginiz için teşekkür ederiz.

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SEPTEMBER 26-28, 2023**

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PhDr. Imrich Antalík, PhD.

Date: 04.09.2023

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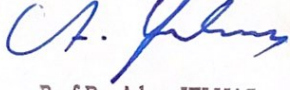
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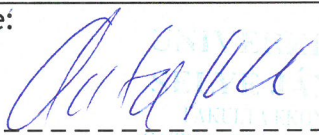


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Analysis of an inventory management model in a manufacturing process based on material requirements planning (MRP)

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Abstract – Optimal inventory management is crucial for the efficient operation of businesses, as it accounts for over 50% of the total invested capital. Inadequate inventory management can lead to high costs and large profits. Modern inventory management models focus on quantity and time, rather than costs, aiming for smaller and more frequent purchases within the economical quantity of purchase and national transport. The material requirement planning (MRP) model is one such model, focusing on quantity and time rather than costs. This approach is essential for businesses to make informed decisions regarding inventory decisions and maintain a competitive edge in the market.

Keywords – Inventory Management, Operation, Time, Costs, Material Requirement Planning (MRP) Model