

4th International Symposium on Characterization

ISCC'24
4th International
Symposium
on Characterization

16-18 October 2024
Sakarya, Türkiye

Symposium Program

IS'24

4th International
Symposium
on Characterization

16-18 October 2024

Sakarya, Türkiye

16 OCTOBER 2024 Wednesday

**SAKARYA ÜNİVERSİTESİ TURGUT ÖZAL KÜLTÜR VE
KONGRE MERKEZİ**

Prof. Dr. Fuat Sezgin Hall

08:00-17:00	Registration (Open all day)
09:30-09:35	Opening Speech by Prof. Dr. Atilla Evcin
09:35-10:00	Official Ceremony
10:00-12:00	Invited Speaker Section Chair: Doç. Dr. Azim Gökçe
10:00-10:30	Invited Speaker 1 Assoc. Dr. İlke Anaç Şakır
10:30-11:00	Invited Speaker 2 Assoc. Dr. Ahmad Azmin Mohamad
11:00-11:30	Invited Speaker 3 Assoc. Prof. Hatice Duran
11:30-12:00	Invited Speaker 4 Prof. Dr. Emre Erdem
12:00-13:00	Lunch Break (Please see the directions for the dining hall)

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Prof. Dr. Fuat Sezgin Hall

	Chair: Assoc. Prof. Hatice Duran
Time	Theme 7: Materials Characterization and Applications
13:00-13:20	43 - M. Karbasi, S. Hajiand M. Lak, Characterization and repairing defects analysis of MMC- HVOF coated rollers of roller screen used in iron ore pelletizing plants
13:20-13:40	44- M. Karbasi, S. Saadat, H. Talebizadeh Sardari, Comprehensive failure analysis of rollers of roller screen used in iron ore pelletizing plants
13:40-14:00	23- Hasan KOTAN Structural and thermal stability of nanocrystalline stainless steels: an overview
14:00-14:20	198-Özgür Bozat,A. Gokce Ozbay, Yasemin Tabak, Ekrem Sınır, Road to Quantum Metrology, Information Science and Technology: It's all about Materials Engineering "
14:20-14:40	60- Muhammet Fatih Özgen, Zeynep Taşlıçukur Öztürk, Comparison Of Mechanical And Microstructural Properties Of Dh36 Shipbuilding Steel Using Different Welding Techniques
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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Prof. Dr. Gültekin Yıldız Hall

	Chair: Prof. Dr. Emre Erdem
Time	Theme 4: Energy Materials and Advanced Materials for Energy Storage
13:00-13:20	1 - Lawan U. Grema, The Characterisation of Alkaline earth Aluminoborosilicate sealing glasses for SOFCs Applications.
13:20-13:40	7- Norazriena Yusoff, Maryam Jasmine Mohd Makhfuz, Harith Ahmad, Exploring Mxene Material For Enhanced Optical Fiber-Based Surface Plasmon Resonance Sensors
13:40-14:00	49- Alihan Kumtepe, Çağdaş Eğin, Meriç Çalışkan Arslan, Özlem Coşkun, Güneş Simülatöründe Ölçüm Belirsizliğinin Değerlendirilmesi
14:00-14:20	115- Burak Cengiz, Ahmet Burçin Batıbay, Funda Yildirim, Additive Manufacturing Of Energetic Materials
14:20-14:40	116- Ecem Ardiç, Ahmet Burçin Batıbay, Funda Yildirim, New Generation Of Energetic Materials
14:40-15:00	Poster Presentations0 (Please see the posters in the poster presentation hall)

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SAKARYA UYGULAMALI BİLİMLER ÜNİVERSİTESİ

CONGRESS HALL

	Chair: Dr. Fatih Erden Baştan
Time	Theme 8: Biomaterials
13:00-13:20	3-Alaeddine Kaouka, Microstructural Characterization Of Boride Titanium Alloy Ti6-Al4-V And Corrosion Resistance
13:20-13:40	177- Vida Fathollahzadeh, Mehdi Khodaei, PvdF-Batio3 Nanocomposite Scaffolds For Biomaterials Applications; Synthesis And Characterization
13:40-14:00	121- Cengiz Bagci, Fatih Erdem Bastan, Aldo R. Boccaccini, Fabrication of Si3N4 substituted 45S5 bioactive glass derived composites and their physical and in vitro biological characterizations
14:00-14:20	210- Ahmet Güngör, Aybike Paksoy, İpek Deniz Yıldırım, Özge Balcı-Çağiran, Emre Erdem, The synthesis of composites based on hafnium diboride and their application as electrode materials in supercapacitors
14:20-14:40	217 Islam RanjbarNodeh Kinetic of dissolution of γ' precipitates in IN738LC nickel base super-alloy using arc heat treatment
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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SENATO MEETING HALL

	Chair: Assoc Dr. İlke Anaç Şakır
Time	Theme: Metallic Materials
13:00-13:20	59- Ramazan Boz, Zeynep Taşlıçukur Öztürk Characterization of the weldability of steel materials used in ship building
13:20-13:40	102- Mohammad Sharif Wahedi, Khudadad Mohammadi Hydrophobic coating on Ti6Al4V alloy by sol-gel method
13:40-14:00	31- Ahmet Buğra KEYVANKLI, Şenol YILMAZ, Küresel Grafitli Dökme Demirlerin Özelliklerine Farklı Östemperleme Sıcaklıklarının Etkisinin İncelenmesi
14:00-14:20	117- Armağan KORKMAZ, Ahmet ÇETKİN Fe3Al alaşımının düşük karbonlu çelik ile nokta direnç kaynak uygulamalarında kaynak akımının etkisi
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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Prof. Dr. Fuat Sezgin hall

Chair: Prof. Dr. Özkan Özdemir	
15:00-15:30	Invited Speaker 5 Prof.Dr. Olcay Mert
15:30-16:00	Invited Speaker 6 Assis. Prof. Metin Karayılan

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Prof. Dr. Fuat Sezgin hall

	Chair: Prof. Dr. Fayaz Hussain
Time	Theme 11: Glass and Ceramics
16:00-16:20	98- Bouatrous Mehieddine, Boukhessaim Salim, Fekrache Abdelhak, Ferhat Bouzerara, Quentin Bizot Sonochemically synthesized of zinc silicate ceramic nanoparticles
16:20-16:40	38- Işıl KUTBAY Kinetics of dependent on time the cake thickness formation in pressure and non-pressure (slip) ceramic casting
16:40-17:00	87- Fikriye BALCAN, Semih SAYDIK Endüstriyel atık cam fritlerden elektronik devre altlikrında kullanılan düşük sıcaklıkta sinterlenen cam seramik kompozit geliştirilmesi
	Poster Presentations (Please see the posters in the poster presentation hall)

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Prof. Dr. Gültekin Yıldız Hall

	Chair: Prof.Dr. Olcay Mert
Time	Theme: Other Metallic Materials
16:00-16:20	120- Eda BÜYÜKKAYA, İpek ŞAHİN Investigation of pitting corrosion in the superstructure tank of road service vehicles for cleaning purposes
16:20-16:40	103- Hassan Ali Zada, Mohammad Sharif Wahedi, Strontium Aluminate Epoxy Composites: Luminescent Materials For Novel Applications
16:40-17:00	114- Çağla PİLAVCI, Satılmış ÜRGÜN, Sinan FİDAN, Mustafa Özgür BORA, Demet ÜRGÜN, Timur CANEL Laser surface texturing of AA1050 aluminum alloy: optimization of geometric patterns and laser parameters for enhanced surface characteristics
	Poster Presentations (Please see the posters in the poster presentation hall)

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Congress Hall

	Chair : Assoc. Dr. Ekrem Altuncu
Time	Theme: Other Building Materials
16:00-16:20	6- Abdul Vahap Korkmaz Effect of activation conditions of boron-containing calcined clays on hydration kinetics in cement matrix
16:20-16:40	200- Abdul Vahap KORKMAZ The role of optical sorters in raw material characterization and performance analysis
16:40-17:00	211- Mohamad Aleinawi, Emre Erdem, Arpad Rostas Mihai, Feray Bakan Mısırlıoğlu Defects study of h-BN performance in supercapacitor devices
	Poster Presentations (Please see the posters in the poster presentation hall)

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Congress Hall

	Chair : Dr. A. Burçin Batıbay
Time	Theme: Other Building Materials
16:00-16:20	
16:20-16:40	143- Onur AKKAŞ Kardan Mili İstavroz Birim Parçasında Kullanılan İki Farklı Düşük Alaşımli Sementasyon Çeliğinin Statik Torsiyon Testi Performansının Karşılaştırılması
16:40-17:00	218- Bahareh Bakhtiari Synthesis and Characterization of Activated Carbon from Walnut Shells and Olive Leaves for Supercapacitor Applications
	Poster Presentations (Please see the posters in the poster presentation hall)

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Prof. Dr. Fuat Sezgin Hall

	Chair: Assoc. Dr. Ahmad Azmin Mohamad
09:30-10:00	Invited Speaker 7 Prof. Dr. Branko Matkovic
10:00-10:30	Invited Speaker 8 Prof. Dr. Hasan Göçmez
10:30-11:00	Break (Poster Presentations)
11:00-11:30	Invited Speaker 9 Dr. Peter Tatarko
11:30-12:00	Invited Speaker 12 Dr. Hakan Ünsal
12:00-13:00	Lunch Break (Please see the directions for the dining hall)

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Prof. Dr. Fuat Sezgin Hall

	Chair: Prof. Dr. Fayaz Hussain
Time	Theme 1: Materials Science and Engineering
13:00-13:20	174- Mezdour DOUNIAZAD, Latreche ZAHRA, Lefza MERIEM, Tabellout MOHAMED, Pilard JEAN-François Electromagnetic properties of polyaniline composites for shielding applications
13:20-13:40	18- Saadiya Benatmane, Structural, electronic, elastic, magnetic and optical properties of BaxN3(x=K, Rb) perovskites: an AB-initio DFT study
13:40-14:00	21- Saadiya Benatmane, Computational determination of structural, electronic, magnetic and elastic properties of newly predicted O2XF (X=Ca, Sr and Ba) do full-Heusler alloys as potential spintronic materials
14:00-14:20	131- Hakan Ünsal, Alexandra Kovalčíková, Michal Hičak, Zdenek Chlup, Ivo Dlouhý, Peter Tatarko, Reactive spark plasma sintering of ultra-high temperature ceramics
14:20-14:40	14- Hichem Sedrati, Khadidja Grissi and Mohamed Cherif Benachour, Correlation Between the Atomic Radius of Dopant Elements and the Photocatalytic Efficiency of Titanium Dioxide (TiO2)
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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Prof. Dr. Gültekin Yıldız Hall

	Chair: Prof.Dr. Hasan Göçmez
Time	Theme 2: Nanoscience and Nano Technology
13:00-13:20	113- Çağla Pilavci, Zübeyir Gezer, Timur Canel Optimization of The Laser Machining Parameters on Groove's Shape on S420Mc Stainless Steel Surface Obtained With Fiber Laser
13:20-13:40	192- Vedat Emin AYAZ, Mahir GÜLEN, Hamza DÜNYA, Recep TAŞ, Mikrodalga destekli yöntemle VNi₂S₄ üçlü metal sülfür nanoparçacıklarının sentezi ve yapısal karakterizasyonu
13:40-14:00	193- Abdurrazzak HANAN, Hamza DÜNYA, Recep TAŞ, Mahir GÜLEN, CoNi₂S₄ üçlü metal sülfür nanoparçacıklarının yenilikçi bir yaklaşımla sentezi ve morfolojik analizleri
14:00-14:20	194- Abdulrahman Obaid, Recep Taş, Hamza Dünya, Mahir Gülen, Hızlı ve ekonomik bir yöntemle CdNi₂S₄ nanoparçacıklarının sentez optimizasyonu ve karakterizasyonu
14:20-14:40	20-Abdelmalek Elhadi Evaluation of the Cumulative Energy and Temperature at the Interface in Dry Friction of a Couple Steel as a function of Hardness
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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Congress Hall

	Chair: Dr. Ahmet Burçin Batıbay
Time	Theme 5: Polymer Materials
13:00-13:20	53- Koray DEDEOĞLU, Su bazlı iç cephe boyalarda çatlamayı etkileyen faktörlerin belirlenmesi ve ürün performansının geliştirilmesi
13:20-13:40	65- Serhat TIKIZ, Metin Özgül ve Atilla EVCİN, Hidroteremal yöntem ile üretilen bor katkılı bnt-6bt piezoseramik tozların PVDF kompozitlerin üretiminde katkı olarak kullanılması ve karakterizasyonu
13:40-14:00	184- İdris Gökcalp, Özgür Duygulu, Yasemin Yıldırım Avcu, Egemen Avcu, Rıdvan Yamanoğlu, Basınç Destekli Sinterleme ile üretilen Kompozisyonel Derecelendirilmiş Grafit Takviyeli Ti6Al4v Metal Matris Kompozitlerin Mikroyapısal Karakterizasyonu
14:00-14:20	79- Gülan TOSUN, Seda HAZER, Sadık Ömer BOZKURT, Cansel ÖZYÜREKLİ, Ayşe AYTAÇ, EVOH katkılı geri dönüştürülebilir aktif ambalaj filmlerinde kalınlığın mekanik termal ve bariyer özelliklerine etkisi
14:20-14:40	22-Fatma Zohra Melais, Dallel Deraghania, Mohamed Chems Eddine Antouri, Sacia Kirane, Kamer Dorbani, Elaboration and characterization of sandcrete based on sand and fillers from demolition waste
14:40-15:00	Poster Presentations (Please see the posters in the poster presentation hall)

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Senate Meeting Hall

	Chair: Reza Bahrami
Time	Theme Other Metallic Materials
13:00-13:20	63- E. Mehmet MURADOĞLU, Nur YONAR, İsa ARSLAN, Adnan EFE, Metin BİTİKÇİOĞLU, Ş. Hakan ATAPEK Patentlenmiş ve galvanizlenmiş çelik tellerde soğuk deformasyon koşullarının kırılma moduna etkisi
13:20-13:40	64- E. Mehmet MURADOĞLU, Ş. Hakan ATAPEK Farklı karbon içeriklerine sahip çelik tellerde proses-yapı-özellik-kırılma karakterizasyonu
13:40-14:00	112- Hasan YARADILMIŞ, Ali İhsan KARAYİĞİT, Rıza Görkem OSKAY, Bruno V. VALENTIM, Alexandra GUEDES Characterization of semi-graphite using micro-Raman spectrometry and its application on paleotemperature assumption
14:00-14:20	73- Hüseyin Zengin, Manuel Hofinger, Maria del Rosario Silva Campos, Carsten Blawert, Safa Polat, Maria Nienaber, Jan Bohlen, Mikhail Zheludkevich, Achim Walter Hassel Corrosion investigation of quaternary magnesium alloys using a quasi-in situ approach

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Prof. Dr. Fuat Sezgin Hall

	Chair: Dr. Begüm Ünveroğlu Abdioğlu
Time	Theme 11: Glass and Ceramics
15:00 -15:20	36- Ömer GÜNEŞ, Ali YARAŞ Manyetik alan azaltan firin camı
15:20 -15:40	37- Duriye Kök Obtaining easy to clean oven glasses using the sol-gel method
15:40 -16:00	199- Beril Pınar Özler, Yasemin Tabak, Meltem Yıldız SnO₂/ ilmenit katalizörünün fotokatalitik özelliklerinin iyileştirilmesi
16:00 -16:30	BREAK
16:30 -17:00	BEST POSTER AND ORAL PRESENTATION AWARD EN İYİ POSTER VE SÖZLÜ SUNUM ÖDÜLÜ

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Prof. Dr. Gültekin Yıldız Hall

	Chair: Dr. B. Tuğba Çamiç
Time	Theme: Mixed
15:00-15:20	101- Doğuş Özkan, Emre Yıldız, Yasemin Tabak, M. Barış Yağcı, Egemen Sulukan, Borophene Production And Characterization
15:20-15:40	28- Meltem İpekçi Terzioğlu, Nevin Karamahmut Mermer, Ece Ünlü Pınar Investigation of the hydration mechanisms and rheological properties of construction chemicals containing unary, binary and ternary binders
15:40 -16:00	216 Abdi Atılğan , İ. Yaren Polat, Oğuzhan Evcin Nano Surface Modification of Wood Materials with Hydrophobic and Hydrophilic Characteristics

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Congress Hall

	Chair: Dr. Lawan U. Grema
Time	Theme: Mixed
15:00-15:20	61- Mehmet ALBAŞKARA Comparison of surface roughness prediction in WEDM with traditional analysis methods and ChatGPT
15:20-15:40	89- Fayaz Hussain, Dawei Wang, Xiaogang Yo, Kaixi Song, Yasemin Tabak, Atilla Evcin Preparation and characterization of B2O3 doped TiO2 thin films
15:40-16:00	90- Fayaz Hussain, Dawei Wang, Xiaogang Yo, Kaixin Song, Yasemin Tabak, and Atilla Evcin Coating of TiO2-doped hydroxyapatite (hap) on Ti6Al4V alloy by HVOF technique

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Senate Meeting Hall

	Chair: Dr. Özgür Duygulu
Time	Theme: Mixed
15:00-15:20	207- Cemalettin Çamyurdu, Şahin Ateş , Kerim Emre Öksüz, Ayşe Şükran Demirkıran Biodegradation behaviour of SiC coated carbon/carbon composites manufactured via CVD/CVI technique
15:20-15:40	205- Günhan BAYRAK and Abdullah Taha Akgül <i>Manuel torna ve kayar otomat tornayla işlenen poliamidin karakterizasyonu</i>
15:40-16:00	104- Mustafa UÇAR, Merve AKSU, Atilla Evcin <i>Uçucu yağların mikroenkapsülasyonu</i>

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18 OCTOBER 2024 Friday

AKCOAT FACTORY

(Please connect with the organizing committee for the registered transportation)

10:30-10:45	Opening Ceremony Akcoat R&D Director Selçuk Bulut Yazan
10:45-11:15	Invited Speaker 11 Mohsin Ali Rıza (8)
11:15:11:45	Invited Speaker 10 Ali Dad (4)
11.45:12.00	Akcoat Technical Presentation
12:00-13.00	Akcoat Factory trip
13:00-14:00	Lunch

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ZOOM LINK FOR THE ONLINE INVITED SPEAKERS

Zoom Link	ID	Password
https://zoom.us/j/5328266710?pwd=IAgRfCqaO6btuCEMlvohGDTTDCzJYw.1	532 826 6710	74rrzY

Date	Time	Invited Speaker
16 October 2024 Wednesday	15:30-16:00	Invited Speaker 6 Assis. Prof. Metin Karayılan
17 October 2024 Thursday	11:30-12:00	Invited Speaker 12 Assoc. Prof. Sajid Hussain Siyal
18 October 2024 Friday	10:45-11:15	Invited Speaker 11 Mohsin Ali Rıza

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ONLINE 1

Time	Chair: Prof.Dr. İbrahim Güneş
Theme 3-Building Materials	
09:00-09:20	136- Eltaieb Mohamed <i>Advantages and industrial applications of boron coating methods</i>
09:20-09:40	137- Eltaieb Mohamed <i>Use of plasma nitriding and coating technologies in surface engineering</i>
09:40-10:00	139- AL HUSSEIN COULIBALY <i>Sol-gel coatings: technology, advantages and application areas</i>
10:00-10:20	151- KOUADIO JOSEPH KOUAKOU <i>Industrial applications of powder metallurgy</i>
10:20-10:40	153- AL HUSSEIN COULIBALY <i>Humans and future automobiles</i>
10:40-11:00	105- Ayham Khaldon Alqadasi <i>Earthquake resistant buildings</i>
11:00-11:20	106- Eltaieb Mohamed <i>Strategies for preventing damage to machine parts</i>
11:20-11:40	123- Emil GASSANOV <i>The importance of Kok-Tobe Tower in terms of Kazakhstan and engineering</i>
11:40-12:00	133- Yousif Mohammed <i>Earthquake resistance of buildings in the African continent and solution suggestions</i>
Zoom	ID Password
Online 1 https://tubitak.gov.zoom.us/j/6801561347?pwd=ZkErazhqeDZoUIBXM0JaM0RuckdwQT09	680 156 1347 emB1NK

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16 OCTOBER 2024 WEDNESDAY

ONLINE 2

Time	Chair: Dr. İsmail Yıldız
Theme 4-Building Materials	
09:00-09:20	134- Ahmed Almoqbel Building designs for life
09:20-09:40	135- Sabine ABDUL FATTAH Characterization and Structural Analysis of Historical Buildings in Lebanon and Their Transfer to Future Generations
09:40-10:00	140- Sabine ABDUL FATTAH Use of Recycled Materials in Concrete and Its Effect on Its Performance
10:00-10:20	141- Sabine ABDUL FATTAH Properties of Nanomaterial Additive Concretes
10:20-10:40	147- Nasser Mohamed Adam Sanoussi The Construction Materials Industry
10:40-11:00	165- Nasser Mohamed Adam Sanoussi Some Causes of Earthquakes in the World in Recent Years
11:00-11:20	30 Ben Khadda Ben Ammar, Contribution To Innovative Concrete Ovens For Prefabrication
11:20-11:40	156- AL HUSSEIN COULIBALY The Role of Polymer Materials in Aircraft
11:40-12:00	157- Kinga J. Kowalska,Bozena Burtan-Gwizdala, Manuela Reben, Ali M. Alshehri, Khalid I. Hussein, El Sayed Yousef, Thermal and spectroscopic studies of Sm ³⁺ doped fluorophosphate glass
Zoom Link	ID
https://tubitak-gov.zoom.us/j/4821387237	482 138 7237

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16 OCTOBER 2024 WEDNESDAY

ONLINE 3

Time	Chair: Dr. Mehmet Albaşkara
Theme Metallic Materials- Modelling	
09:00-09:20	138- AL HUSSEIN COULIBALY <i>Industrial applications of powder metallurgy</i>
09:20-09:40	154- KOUADIO JOSEPH KOUAKOU <i>Effect of laser boriding method on steels</i>
09:40-10:00	155- KOUADIO JOSEPH KOUAKOU <i>Investigation of the effect of heat treatments on some properties of steels</i>
10:00-10:20	173- Eltaieb Mohamed <i>Comparison of some coatings applied to steel surface</i>
10:20-10:40	127- Daud TAGAYEV <i>The impact of artificial intelligence applications on construction costs</i>
10:40-11:00	128- Sam Zuma <i>A study on traffic accidents and solutions</i>
11:00-11:20	129- Eng. Adam Mohammed <i>Impact of infrastructure on transportation</i>
11:20-11:40	145- Abdoul Aziz BEN DOTI <i>Examination of charging methods and charging station types of electric vehicles in simulink environment</i>
11:40-12:00	146- Mirza Mashfiqur RAHMAN <i>Investigation and Comparison of designs of different types of motor drives for electric vehicles</i>
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ISCC'24

4th International
Symposium
on Characterization

16-18 October 2024

Sakarya, Türkiye

16 OCTOBER 2024 WEDNESDAY

ONLINE 1

Time	Chair: Dr.Doğu Ramazanoğlu	
Theme 2: Nanoscience		
13:00-13.20	178- Massih FAKHR ZAKERI, Mehdi KHODAEI <i>Boosting piezoelectricity of PVDF fibers fabricated by electrospinning process using submicron sized BaTiO3 particles reinforces</i>	
13.20-13.40	47- Muhammad Atif MAKHDOOM <i>Characterization of etched and functionalized silicon nanocrystals</i>	
13:40-14:00	91- Mürüvvet KURT, Gülderen Uysal AKKUŞ, Atilla EVCİN, Safiye Elif KORCAN <i>Yeşil sentez ile elde edilen gümüş nanopartiküllerin antimikrobiyal, antioksidan özelliklerinin incelenmesi ve bunlarla seramik, cam ve polimer yüzeylerin kaplanması</i>	
14.00-14:20	204- Omid Ashkani <i>New achievements in polymer-coated quantum dots (QDs), a mini review</i>	
14:20-14:40	182- Amirmohammad Shahriyari, Milad Yousefzad, Mohsen Taghizadeh kejadi, Ali Asghar Razi-Kazemi, Negin Manavizadeh, <i>Fabrication and characterization of an ultra-high current electromagnetic nanogenerator for enhanced energy harvesting and wireless power applications</i>	
14:40-15:00	183- Hassan Ahmadi, Amir Mohammad Shahriyari, Milad Yousefzad, Negin Manavizadeh <i>Optimization of balsa wood's triboelectric properties through chemical and conductive modifications for self-powered sports sensors</i>	
15:00-15:20	46- Mustafa Yiğit DAYINLARLI, Abdulkerim GÖK <i>Otomotiv sektöründe epoksi toz boya öncesi dönüşüm kaplama işlemlerinin korozyon dayanımına etkisinin incelenmesi</i>	
15:20-15:40	15- Mohamed Amine BENAOUIDA, Ali BENOSMANE, Hassan AYADI <i>Crystal structure and hirshfeld surface analysis of e-1-(3-nitrophenylazo)-2-naphtol</i>	
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https://tubitak-gov.zoom.us/j/6801561347?pwd=ZkErazhqeDZoUIBXM0JaM0RuckdwQT09	680 156 1347	emB1NK

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4th International
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Sakarya, Türkiye

ONLINE 2

Time	Chair: Assoc. Prof. Bahar Baştürk
	Theme 4: Energy Materials
13:00-13.20	52- Ben Khadda BEN AMMAR Effect of curing by solar energy on production, mechanical strength and technology innovative concretes
13.20-13.40	124- Khaoula IKHLEF, Chaima ZOUZOU2 and İbrahim ÜÇGÜL Performance optimization of solar chimney systems: a comparative study of thermal energy storage solutions
13:40-14:00	132- Erfan Karimmirza, Samira Rezaei, Negin Manavizadeh Design and fabrication of flexible hybrid triboelectric nanogenerators with integrated photovoltaic effect for enhanced energy harvesting
14.00-14:20	186- Milad ROSTAMNEJAD, Mehdi KHODAEI, Hesam ZANDI A review on different structures of silicon for next-generation lithium-ion battery anodes
14:20-14:40	48- Rawaha Imran Elahi, Muhammad Sohail Hanif, Syed Ahsan Abbas Zaidi Comparison of conventional friction stir welding and bobbin friction stir welding for joining space grade aluminum alloy 6061-T6
14:40-15:00	92- Yasemin Aktaş, Açıkta Ve Örtü Altı Sebze Yetiştiriciliğinde Kullanılan İnorganik Malçlama Malzemelerinin Verim Ve Kalite Üzerine Etkileri
15:00-15:20	10- KABA Liamine, KELLAI Ahmed, KAHLA Sami, DEHIMI Said, OUALLAM Seddik, Microstructural and mechanical behavior of AM60 magnesium alloy weldment
15:20-15:40	213- Mohammad Hasan Rajabi Delivand, Reza Bahrami, Soroush Parvizi A review of carbon nanotubes as a reinforcing agent in the composites manufactured by powder metallurgy
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4th International
Symposium
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16-18 October 2024

Sakarya, Türkiye

16 OCTOBER 2024 Wednesday

ONLINE 3

Time	Chair: Assoc. Prof. Murat Efgan Kibar
Theme 11 Glass and Ceramics	
13:00-13:20	188- Katarzyna Pasiut, Janusz Partyka, Dawid Kozi�n, Thomas Kronberg <i>Impact of barium oxide on the structure and surface properties of glass-crystalline glazes</i>
13.20-13.40	189- Wojciech Bana�s, Dawid Kozi�n, Adrian Grabo�s, Katarzyna Pasiut, Magdalena Zi�bka, Leszek Chlubny, Marcin W�jtcowicz, Marek Grabowy, Zbigniew P�dzich <i>Reactive sintering of ultra-high temperature ceramic materials from B4C and MAX Phases</i>
13:40-14:00	190- Dawid Kozi�n, Zbigniew P�dzich, David Salamon, Daniel Valasek, Peter Tatarko, Michal Hi��ak, Ondrej Hanzel, Pawe� Nieroda4, Katarzyna Pasiut, Leszek Chlubny <i>Reactive sintering of ultra high temperature ceramics (UHTCS) for cutting tools</i>
14.00-14:20	85- İbrahim G�NE�, Atila G�rhan �ELİK <i>Effect of colemanite addition on the strength of concrete</i>
14:20-14:40	86- İbrahim G�NE�, Atila G�rhan �ELİK <i>Investigation of mechanical properties of borax pentahydrate added concretes</i>
14:40-15:00	99- Iftikhar Ahmed Channa <i>Ultra-flexible ceramic-based coatings for encapsulation of organic photovoltaics</i>
15:00-15:20	16- Priha BHATTI, Munsif Ali JATOI, Muhammad Affan ALIM <i>A comprehensive analysis of chronic kidney disease prediction through machine learning: insights from decision tree modeling</i>
15:20-15:40	41- �zden ORMANCI, M. Zeynep ATASAYAR, G�lg�n K�RO�LU <i>LA-ICP-MS analysis of middle age glass bracelets</i>

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Sakarya, Türkiye

16 OCTOBER 2024 Wednesday

ONLINE 1

Time	Chair: Assoc. Prof. Zeynep Taşlıçukur Öztürk	
Theme 3: Advanced Materials		
16:00-16:20	107- S.Sh. Gahramanov, H.V. Orujova, Y.A. Abdullayev, Z.I. Badalova, G.M. Ahmedov, N.A. Abdullayev <i>Properties of boron-doped bismuth telluride</i>	
16:20-16:40	108- S.Sh. Gahramanov, H.V. Orujova, Y.A. Abdullayev, Z.I. Badalova, G.M. Ahmedov, N.A. Abdullayev, <i>Properties of boron-doped bismuth telluride</i>	
16:40-17:00	109- S.Sh. Gahramanov, H.V. Orujova, N.N. Abdulzade, Y.A. Abdullayev, R.A. Hasanova, N.A. Abdullayev <i>Thermoelectric features of topological insulator Bi₂Te₃<Fe></i>	
17:00-17:20	110- H.V. Orujova, S.Sh. Gahramanov, A.A. Akhmedov, N.A. Abdullayev <i>Self-organization of a quantum dots array on the surface of selenium-doped bismuth telluride</i>	
17:20-17:40	161- Inga Zhukova, Naser Hosseini, Zdeněk Chlup, Alexandra Kovalčíková, Hakan Ünsal, Monika Tatarková, Richard Sedlák, Ivo Dlouhý, Peter Tatarko, <i>Ab Initio prediction, sintering and mechanical properties of (HfNbTaTiZr)B₂ with different molar ratios of transition metals</i>	
17:40-18:00	162- Guido de la Torre, Monika Tatarková <i>Beta silicon nitride seeds as a reinforcement of the silicon nitride</i>	
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4th International
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16 OCTOBER 2024 Wednesday

ONLINE 2

Time	Chair: Beril Pınar Özler
Theme Other Building Materials	
16:00-16:20	74- Atila Gürhan Çelik, Hasan Emre Demirkol <i>Mineral katkıli şekillendirilmiş yapı elemanı üretimi ve teknik özellikleri</i>
16:20-16:40	75- Atila Gürhan Çelik, Emre Uzun <i>Nano BN katkıli beton harçlarının mühendislik özellikleri</i>
16:40-17:00	76- Atila Gürhan Çelik, Silis Dumanı ve Hiper <i>Akışkanlaştırıcı katkıli kyb betonun performans özellikleri</i>
17:00-17:20	77- Atila Gürhan Çelik, İbrahim Güneş <i>Soğuk hava koşullarında inşa edilen betonarme yapılarda malzeme seçimi</i>
17:20-17:40	78- Atila Gürhan Çelik, İbrahim Güneş <i>Yapı malzemesi üretiminde kullanılan bor türevlerine yönelik çalışmaların analizi</i>
17:40-18:00	34- Amiralı Saei <i>Derin öğrenme tabanlı nesne tespiti evrimi</i>
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Sakarya, Türkiye

16 OCTOBER 2024 Wednesday

ONLINE 3

Time	Chair: Dr. Selda Kurttepli
Theme Mixed	
16:00-16:20	191- Paweł RUTKOWSKI, Magdalena SZUMERA, Joanna MASTALSKA-POPŁAWSKA, Piotr IZAK, Magdalena GAWŻYŃSKA, Mateusz BIEL, Arkadiusz KWIECIEŃ, Konrad KWIECIEŃ, Klaudia ŚLIWA-WIECZOREK, Bartosz HANDKE, Marcin GAJEK <i>New materials for wood structure joints and their fire protection</i>
16:20-16:40	130- Elif Ceren Çubuğuzun, Atif Koca <i>Synthesis of Metal-Organic Framework (MOF) for Electrocatalyst Applications and Evaluating Their Performances in Water Electrolysis</i>
16:40-17:00	71- Ekrem Altuncu, Nilay Tüccar Kılıç, Rümeyza Özdemir, Nesrin Alpaslan <i>Characterization of hot dip plastisol coating for military applications</i>
17:00-17:20	27- Cihan YAKUPOĞLU, Halil KIRDEMİR, Mert APAPYDIN, Faruk VAROL Nokta direnç kaynağında oluşan manyetik alanin farklı malzemelerden tasarlanan kaynak fikstürleri üzerindeki etkilerinin sonlu elemanlar yöntemiyle analizi
17:20-17:40	195- Sabire DUMAN, Erman DUMAN <i>Farklı ambalajlarda depolanan ayçiçek yağının bazı fizikokimyasal özelliklerinin zamana bağlı değişimi</i>
17:40-18:00	11- Said DEHIMI, Ahmed KELLAI, Liamine KABA, Sami KAHLA, Besma MEBARKI <i>Effect of laser beam welding on microstructural and mechanical properties of 2017-T3 aluminum alloy</i>

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4th International
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16-18 October 2024

Sakarya, Türkiye

ONLINE 4

Time	Chair: Dr. Ahmet Burçin Batıbay
	Theme Other Metallic Materials
09:00-09:20	118- Mourad KEDDAM, Zahra NAIT ABDELLAH <i>Modelling the formation kinetics of Fe₂B layers on DIN 12738 steel with a non linear model using Taylor expansion</i>
09:20-09:40	158- Mobin Maddah, Arezou Abyazi, Mahsa Takht Kiyani <i>Evaluation of the tearing and wrinkling defects during deep drawing processes of CuZn30 alloy</i>
09:40-10:00	160- Naser Hosseini, Fabrizio Valenza, Zdeněk Chlup, Sofia Gambaro, Alexandra Kovalčíková, Ivo Dlouhý, Peter Tatarko <i>Wetting and joining of high entropy carbides by NiTa eutectic alloy</i>
10:00-10:20	201- Amir Hossein Foadian, Mostafa Ketabchi, Reza Bahrami, Ali Akhavan Anvari <i>Investigating the effect of the accumulative roll bonding process on the mechanical properties and microstructure of pure copper</i>
10:20-10:40	125- Chaima ZOUZOU, Mourad KEEDAM <i>Pack boriding modeling to study the growth kinetics of boride layers on an AISI 316 steel</i>
10:40-11:00	168- Ali Hamza, Muhammad Hamza, Ghulam Mehdi, Sajid Hussain Siyal <i>Development of nanofibers for batteries as a separator</i>
11:00-11:20	171- Ubaid Ullah Rafique, Muhammad Farooq Afridi, Raheema Haneen, Abdul Qadir Chandio, Safdar Ali, Sajid Hussain Siyal <i>Synthesis Of hydroxyapatite from bovine bone for medical applications</i>
11:20-11:40	172- Shahzain Ali, Muhammad Syed Hamza, Huzaifa Azam, Aqsa Sheikh, Iftkhar Ahmad Memon, Sajid Hussain Siyal <i>Development of antifungal patch with natural extracts embedded onto silver nanoparticles for diabetic patients</i>
11:40-12:00	175- Sualeha Fahim, Abdul Rehman Zafar, Maimoona Amjad, Asad Hussain, Sajid Hussain Siyal <i>Transforming scrap into high-performance Al-7075 with comprehensive property analysis and material characterization</i>

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4th International
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on Characterization

16-18 October 2024

Sakarya, Türkiye

ONLINE 5

Time	Chair: Dr. Nilay Tüccar
Theme 1: Materials Science and Eng.	
09:00-09:20	50- Recep KURTULUS, Juho YLINIEMI <i>Dissolution of electric arc furnace slag in water: effect of temperature on element releases</i>
09:20-09:40	51- Cansu KURTULUS, Juho YLINIEMI, Tero LUUKKONEN <i>Alkali-activated stone wool: a non-mechanically processed adsorbent for dye removal</i>
09:40-10:00	82- İlayda Melek ÇELİK, Necati GÜDÜMCÜOĞLU, Seçil SEVİM ÜNLÜTÜRK, Özlem ÜNLÜ İŞİK <i>Understanding the relationship between dynamic surface tension and viscosity, shear rate behaviour of water-borne systems</i>
10:00-10:20	83- İlayda Melek ÇELİK, Necati GÜDÜMCÜOĞLU, Seçil SEVİM ÜNLÜTÜRK, Özlem ÜNLÜ İŞİK <i>Investigation of washburn capillary method for powder samples: advantages and disadvantages</i>
10:20-10:40	95- Almıla Gökçe DAL <i>Savunma sanayinde araç parçalarda sarı alodine kaplamanın önemi ve faydaları</i>
10:40-11:00	96- Almıla Gökçe DAL <i>Savunma sanayinde araç parçalarının kompozit olmasının önemi ve faydaları</i>
11:00-11:20	97- Almıla Gökçe DAL <i>Savunma sanayinde araç parçalarının döküm olmasının önemi ve faydaları</i>
11:20-11:40	62- Ümit ÖZTÜRK <i>Isıl yaşlandırmaya dayanıklı poliamid 6 kompozitlerin geliştirilmesi ve üretilmesi</i>
11:40-12:00	196- Beyza Nur ÇUBUK, Erman DUMAN <i>Nano bentonit içerikli polilaktik asit (pla) kapak ambalaj filminin zeytinyağının fizikokimyasal özellikleri üzerine etkisi</i>

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16-18 October 2024

Sakarya, Türkiye

ONLINE 6

Time	Chair: Beril Pınar Özler
	Theme Other Modelling
09:00-09:20	54- Gürol Yıldırım, Average Friction-Drop Ratio Approach for Manifold Flow Hydraulics Based Uniform Outflow Profile
09:20-09:40	55- Gürol Yıldırım, Analytical Relationships for Water Application Uniformity Parameters
09:40-10:00	56- Gürol Yıldırım, Graphical Solution Based Design Curves for Outflow Uniformity Patterns
10:00-10:20	202- Ş. Hakan Atapek, İrem Altın, Gülşah Aktaş Çelik, Şeyda Polat, Eleni Kamoutsis, Gregory N. Haidemenopoulos Effect of aluminum addition on microstructural features of nitrided SiW-xAl ductile cast irons
10:20-10:40	203- Ş. Hakan Atapek, İrem Altın, Gülşah Aktaş Çelik, Şeyda Polat, Eleni Kamoutsis, Gregory N. Haidemenopoulos Metallurgical characterization of nitrided novel SiW ductile cast iron
10:40-11:00	149- Hilmi ZENK <i>A research on agricultural hazelnut spraying with deep convolutional neural network method</i>
11:00-11:20	159- Hilmi ZENK <i>Investigation of fuzzy logic and pid based speed control of DC motor driven by luo converter</i>
11:20-11:40	169- Selda CEYLAN, Hilmi ZENK <i>A hybrid energy production system model for electric vehicles in Giresun province and energy production projection for 2030</i>
11:40-12:00	81- Mehmet DİRİLMİŞ, Muhammed GÖKSOY <i>Investigation of abrasion properties of composites produced by alumina reinforcement to the matrix obtained from waste aluminium beverage cans</i>

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4th International Symposium on Characterization

16-18 October 2024

Sakarya, Türkiye

ONLINE 4

Time	Chair: Reza Bahrami	
Theme 8: Biomaterials		
13:00-13:20	13- Mohammad Mobin Javaheri, Shahab Zangeneh, Reza Bahrami, Ali Nozari, Yasemin Tabak, Ş. Hakan Atapek, Atilla Evcin <i>Dissociation of W-rich M6C carbide in Co-26Cr-10Ni-8W alloy by plastic deformation</i>	
13.20-13.40	39- Arezou Abyazi, Mahsa Takht Kiyani, Rahman Hamidi Dezanab Investigation of the Effect of Heat-treatment on Charpy Impact Energy of 3D Printed Ti6Al4V Specimens	
13:40-14:00	40- Arezou Abyazi, Rahman Hamidi Dezanab, Mahsa Takht Kiyani <i>The Influence of different porosity content on charpy impact energy of selective laser-melted Ti6Al4V alloy</i>	
14.00-14:20	100- Mohammad Mehrdar <i>Corrosion behavior of 3D printed titanium and magnesium alloys in biomedical implants: a review of current research and case studies</i>	
14:20-14:40	24- Sh. Shirani, Shahab Zangeneh, Reza Bahrami, Yasemin Tabak, Ş. Atilla Evcin <i>Creep buckling analysis of a vertical pressure vessel during post weld heat treatment by isochronous stress strain curve</i>	
14:40-15:00	45- Syed Ahmed Uzair, Fayaz Hussain <i>Controlling the degradation rate of magnesium alloys for biomedical applications</i>	
15:00-15:20	12- Ahmed KELLAI, Said DEHIMI, Liamine KABA, Sami KAHLA, Zoheir BOUTAGHOU <i>Effect of electrode coating on the microstructural and mechanical properties of S235JR steel weldment</i>	
15:20-15:40	119- Asal MAHMOODIYAN, Shahram MAHBOUBIZADEH <i>The role of biomaterials in treating hepatocellular carcinoma (hcc)</i>	
Zoom Link		
https://tubitak.gov.zoom.us/j/6801561347?pwd=ZkErzhqDZoUIBXM0JaM0RuckdwQT09	ID 680 156 1347	Password emB1NK

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4th International
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on Characterization

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Sakarya, Türkiye

ONLINE 5

Time	Chair: Dr. Ahmet Burçin Batıbay	
	Theme Other Metallic Materials	
13:00-13.20	29- Muhammed Enes Aydın, Melek Durmuş, Murat Çolak A356 alüminyum döküm alaşımında erbiyum alaşım elementi ilavesinin akıcılığa etkisinin incelenmesi	
13.20-13.40	32- Hasan Onur TAN, Selçuk ATASOY, Sıtkı AKTAŞ <i>Structural and morphological analysis of borided 2842 steel: the effect of boriding temperature</i>	
13:40-14:00	66- Umit Kutsal, Suphan Ercan, Murat Colak, Onur Ertugrul <i>Effect of bifilm content on AISi7Mg0.3 alloy</i>	
14.00-14:20	68- Süphan ERCAN, Ümit KUTSAL, Yiğit SAĞNAK, Serhat BARDAKCI, Gizem AMMAS, Emin USLU, Melek DURMUŞ, Murat ÇOLAK <i>Investigation of microstructural changes of scrap with different iron content depending on solidification time</i>	
14:20-14:40	84- İbrahim GÜNEŞ, Atila Gürhan ÇELİK <i>Investigation of the effect of different proportions of styrofoam additive on mechanical properties of concrete</i>	
14:40-15:00	167- Ayesha Akram, Rao Maaz Nasir, Maryam Ali , Sajid Hussain Siyal <i>Extraction of copper/max recovery of copper from low-grade ore</i>	
15:00-15:20	9- Salim Boukhessaim, Amel Gacem, Abdelhak Fekrache <i>Evolution of the structural and thermal properties of Ti-Al Thermal alloys</i>	
15:20-15:40	209- Sefa Okuşluk <i>Kür çevriminin karbon fiber takviyeli polimer kompozitin mekanik özellikleri üzerindeki etkisi</i>	
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Sakarya, Türkiye

ONLINE 6

Time	Chair: Assoc Prof. Meltem Yıldız	
	Theme Other Mixed	
13:00-13.20	179- Maryam shabani, Shahram mahboubizadeh <i>Review of new cemented tungsten carbide sintering methods and binders</i>	
13.20-13.40	180- Maede Takesh, Bijan Abasi, Reza Bahrami, Yasemin Tabak , Ş.Hakan Atapek, Atilla Evcin <i>Investigating the possibility of recycled zirconia blocks with combining gel casting and cold isostatic press</i>	
13:40-14:00	164- Faezeh Fakheri, Arezou Abyazi <i>The role of process parameters in the production of Ti6Al4V parts fabricated by selective laser melting (SLM)</i>	
14.00-14:20	181- Ranjbar Kimya <i>Piezoelectric nanoparticle as reinforcement used in 3D-printed bone scaffolds</i>	
14:20-14:40	111- Aydın GÜNEŞ, Maxamed Aameen Jama <i>Investigation of mechanical properties of 3D fabricated materials with different parameters</i>	
14:40-15:00	176- Bendaoud MEBAREK, Mourad KEDDAM <i>Predictive modelling of the boronizing process using neural networks</i>	
15:00-15:20	26- Zemouri ZAHIA, Touati RAMDANE <i>Correlation between hardness and mechanical characteristics of HDPE</i>	
15:20-15:40	69- Pembe Merve Karabulut, Gamze Güneşülke, İsa Çömez, Contact Problem Between Functionally Graded Ortotropic Layer- Isotropic Half Plane System And Elastic Punch With Different Shapes	
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IS'24

4th International
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on Characterization

16-18 October 2024

Sakarya, Türkiye

ONLINE 4

Time	Chair: Assoc. Prof. Murat Çolak
Theme Other Metallic Materials	
16:00-16:20	67- Yağmur AKDENİZ, Arcan F. DERİCİOĞLU, Nazlı AKÇAMLI <i>Mikro alaşimli çelikte farklı miktarlarda tellür ilavesinin MnS morfolojisine etkisi</i>
16:20-16:40	148- Ömer Faruk DİREK, Nilüfer DUYGULU <i>The effect of different parameters on the material properties in nitriding and nitrocarburizing processes applied to AISI 4340 tempered steel</i>
16:40-17:00	163- N. Kiayeea, A. Farzadia, R. Bahramia, R. Kalantariana <i>Effect of boron on microstructure and wear resistance of a high chromium cast iron alloy</i>
17:00-17:20	187- Maede Takesh, Shahab Zangeneh <i>Nanocarbides formation in Co-28Cr-5Mo-0.3C implant alloy during martensite transformation</i>
17:20-17:40	185- Sanaz Niazmand, Kimia Ranjbar, Shahram Mahboubizadeh, Azadeh Asefnejad <i>Advancements and properties of chitosan-based nanoparticles for osteosarcoma treatment: a general review</i>
17:40-18:00	72- Yasemin Aktaş, Kalite Özellikleri İyileştirilmiş Sera Plastik Örtü Malzemelerinin Bitkisel Üretime Katkıları

Zoom Link	ID	Password
https://tubitak-gov.zoom.us/j/6801561347?pwd=ZkErazhqeDZoUIBXM0JaM0RuckdwQT09	680 156 1347	emB1NK

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Time	Chair: Dr. Mehmet Albaskara	
Theme Other Building Materials		
16:00-16:20	126- Mulatu Kassie BIRHANU, Ahmet UÇAR, Begüm Ünveroğlu ABDIOGLU <i>Electrochemical reduction of carbon-dioxide using metal nanoparticles supported on nano-materials</i>	
16:20-16:40	122- Mehmet DİRİLMİŞ, Fatih Tayyip GÜRBÜZ <i>A study was conducted to examine the material properties of boron carbide-reinforced waste aluminium matrix composites</i>	
16:40-17:00	150- Melinda Medina, Osman Zenk, <i>Photovoltaic System Designs at Different Power Levels with Fuzzy Based Control Algorithm</i>	
17:00-17:20	152- Kouadio Joseph Kouakou, <i>New Technologies in Electricity Generation</i>	
17:20-17:40	166- Abobaker Siddig Talyo Argo, <i>Design And Simulation Of A Sample Rooftop Solar Power Plant With 100 Kwp Capacity</i>	
17:40-18:00	144- Omar FARUE <i>Examining the relationship between electric vehicle designs and battery management systems</i>	
Zoom Link		ID
https://tubitak-gov.zoom.us/j/4821387237		482 138 7237

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Time	Chair: Çağla Pilavcı	
	Theme Other Mixed	
16:00-16:20	25- Rania BOUDEBANE, Tahar BENCHIKHA <i>Influence of copper on the thermophysical properties of a green mold</i>	
16:20-16:40	17- Kimia Ahmadifard, Shahab Zangeneh , Reza Bahrami, Ali Nozari, Yasemin Tabak, Ş. Hakan Atapek, Atilla Evcin, Hayder Sami Abdulameer, <i>Effect of Niobium on Microstructural Evolution of Co-Cr-Mo Alloy During Aging Process at 850°C</i>	
16:40-17:00	19- Pegah Sharifi, Shahab Zangeneh, Reza Bahrami, Ali Nozari, Yasemin Tabak, Ş. Hakan Atapek, Atilla Evcin, Hayder Sami Abdulameer <i>Numerical calculation of applied strain value in strain-induced martensitic transformation during rolling process in cobalt-chromium-molybdenum alloy</i>	
17:00-17:20	33- Bilgehan GÜVEN, Ediz ERCENK, Şenol YILMAZ <i>Phy-X/PSD ve XCOM ile Bi₂O₃ katkısının bazalt camlarının radyasyon kalkanlama özellikleri üzerindeki etkisinin araştırılması</i>	
17:20-17:40	88- Muhammed Cemalettin GÖREN, Yasser Issam Ismael YASSER ISSAM ISMAEL, Çiğdem GÖREN, Ender SARIFAKIOĞLU <i>Bor atıklarının çimento ikame malzemesi olarak incelenmesi</i>	
17:40-18:00	70-Ekrem Altuncu, Yasemin Tabak <i>Wear performance analysis and characterization of B₄C reinforced WC-Co based HVOF spray coatings</i>	
Zoom Link		ID
https://tubitak-gov.zoom.us/j/3445357867		344 535 7867

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Prof. Dr. Fuat Sezgin Hall

POSTER	
5	<p>Dorota TOMCZAK, Wiesław KUCZKO, Ariadna B. NOWICKA, Tomasz OSMAŁEK, Monika WOJTYŁKO, Radosław WICHNIAREK</p> <p><i>Evaluation of the properties of microneedle systems obtained by masked stereolithography</i></p>
35	<p>Merve Şeyma PAMUKÇU, Erman DUMAN</p> <p><i>Use of nanoclay-containing lid packaging film in lavender essential oil packaging</i></p>
93	<p>Ismail YILDIZ, Atilla EVCİN</p> <p><i>Elektroforetik biriktirme (EPD) yöntemi ile Ti6Al4V levhaların nano-HA esaslı malzemelerle kaplanması ve yüzey özelliklerinin incelenmesi</i></p>
42	<p>Cansu KARAKAYA, Ediz ERCENK, Şenol YILMAZ</p> <p><i>Endüstriyel atıkların radyasyon zırh camı olarak kullanılabilirliğinin araştırılması</i></p>
94	<p>Berkay SÖZÜDOĞRU, Zeynep KOKDAŞ, Dilay ÖZUYAR, Hande Özge ÖZKUL, Burak ÖZKAL</p> <p><i>Yüksek oranda filter pres kek atığı içeren duvar karosu masse üretimi ve karakterizasyonu</i></p>
170	<p>Fatih ÖZTÜRK, Senem ALGAN, Büşra YAY, Zehra Emel OYTAÇ, Eda TAŞCI</p> <p><i>Investigation of the possibilities of using Kütahya region kaolines in the ceramic industry</i></p>
206	<p>Aysun Sayıntı, Recep Baş, İlhami Ünal</p> <p><i>Investigation of the effects of permittivity of soda-lime-silica glass on transparent frequency selective surface design for 5G technology</i></p>
208	<p>Büşra Tuğba ÇAMIÇ, Meltem SEZEN ÖZKOÇ</p> <p><i>Examining the effect of hexagonal boron nitride on morphological, chemical properties of biopolymers using dual-beam methodologies</i></p>
212	<p>Süleyman ÇELİK, Büşra Tuğba ÇAMIÇ, Ümit ÇELİK, Abdulhalim KILIÇ</p> <p><i>Kontrollü ilaç salım uygulamaları için ilaç yüklü mikro parçacık üretimi</i></p>

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197	<i>Saeed Safari, Reza Bahrami, Yasemin Tabak, Atilla Evcin</i> <i>Impact of zirconia nanoparticles on the corrosion behavior of plazma electrolytic oxidationcoatings on AZ31 magnesium alloys</i>
214	<i>Tuba Özeren, Büşra Çetinkaya, Rıza Köşeler, Çağrı Uyanık</i> <i>Investigation Of Mechanical Properties Of Oil Tempered Wires Used In Automotive Industry</i>
215	<i>Büşra Çetinkaya, Tuba Özeren, M. Çağrı Uyanık, Rıza Köşeler</i> <i>Investigation Of The Compact Surface Of Core Reinforced Plastic Coated Compact Steel Wire Rope Core</i>