

SCIENTIFIC PROGRAMME FOR ISC'21

08 OCTOBER 2021 Friday

ZOOM

Opening : Prof. Dr. Atilla EVCIN (Chair of ISC'21) Afyon Kocatepe University, Afyonkarahisar, Turkey

09:30	Session Chair :	
10:00-10:30	Invited Speaker 1 Prof.Dr. Cenk AKTAŞ	
10:30-11:00	Invited Speaker 2 Assoc. Dr. Fabienne DUMOULIN	
11:00-11:20	Prasad Chandran N, Manoj D. Naik, Manjunath Patel GC, Avinash Lakshmiathan, Ganesh R. Chate	Investigation of Green Compression Strength and Green Shear Strength in Green Sand mould using Ant Hill Slit as a partial replacement of foundry sand using Response surface Methodology
11:20-11:40	Svetlana Lilkova-Markova ¹ , Dimitar Lolov	Buckling Analysis of Axially Loaded Nanobeams Resting on a Rotational Elastic Foundation
11:40-12:00	Ö.H. Yalçın Durak, A.B. Okur, E. Ardali and R. Özdemir	Analysis and Solution of Color Change, Scratches and Cleanability Problems On Partially Acid Matted Glass
12:00-12:20	Muhsin Alçı* , Recep Güneş	Tensile Characterization of Glass Fiber Reinforced Composite Materials with Strain Gauge and Virtual Extensometer
BREAK		
Session Chair :		
Authors		Title
14:30-15:00	Invited Speaker 3 Prof. Dr. Yogendra Kumar MISHRA	
15:00-15:20	BEN Ammar Ben Khadda	Effect of curing methods on the mechanical strength and durability of prefabricated concretes intended for Alger maritime quay
15:20-15:40	Massimo Rogante	Neutron beam analysis of aging and creep processes in materials and parts from decommissioning of nuclear facilities
15:40-16:00	Reza Abolhassani, Fateme Mirsafi, Horst-Günter Rubahn, Yogendra Kumar Mishra	Tetrapods based Smart Materials for Advanced Technologies
16:00-16:20	Mourad Keddami	Growth of Iron Diboride Layer on SAE 1020 Steel by Four Approaches
16:20-16:40	Najran Mohammed Nasser Hosrom, Atilla Evcin	Hydrophobic Coating with Sol-gel Technique On Titanium Metal Substrate
16:40-17:00	Mürsel Ekrem	Hava Araçlarında Kullanılan Hibrit Takviyeli Epoksi Kompozitlerin Üretimi ve Mekanik Özellikleri
17:00-17:20	Lemiye Atabek	Doğal ve Sentetik Fiber Takviyeli Polimer Kompozitlerin Kuru Kayma Koşullarında Aşınma Oranı ve Sürtünme Katsayısı Arasındaki İlişkinin Belirlenmesi
17:20-17:40	Abdullah Alawadhi, Atilla Evcin	Self-Cleaning of Hydrophobic Surfaces
17:40-18:00	Nada Alloush, Atilla Evcin	Coating of TiO ₂ Doped Hydroxyapatite on Ti6Al4V Alloy with HVOF Technique
18:00	POSTER SECTION	

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09 OCTOBER 2021 Saturday

Session Chair :		
10:00-10:30	Invited Speaker 4 Prof. Dr. Burç MISIRLIOĞLU	
10:30-11:00	Invited Speaker 5 Doç. Dr. Fayaz HUSSAIN	
11:00-11:10	Enjila Irfan, Areeba Alam, Hafsa Shafi, Afifa Baqai	Manufacturing of Cocoon Planter Using Indigenous Recyclable Material
11:10-11:20	Muhammad Abdul Hai, Shaheer Siddiqui, Kamran Khalid, Hammad Siddiqui	Systematic Reduction of Casting Defects with the Help of Modeling and Simulation
11:20-11:30	M. Saad Khan, Usama Khan, Ahazam Ansari, Tayyab Azad Khan	Design and development of supercritical Drying system (SCD) for Silica Aerogel production
11:30-11:40	M.Hassan Bin Shaukat, S.M AbuTalib Zaidi, M.Shariq Hasnain	Joining and Analyzing the Effect of TIG And FS-Welding on Nonferrous Alloys
BREAK		
Session Chair :		
Authors		Title
13:10-13:30	Brahim Boumaali	Simulation of boriding kinetics of AISI T 1 steel by integral model
13:30-13:40	Hafiz Muhammed Bilal Hussain, Muhammed Sami Khan, Ebad Hassan Khan	Design and Development of Green Composites Using Natural Fibers
13:40-13:50	Hamna Siddiqui, Syed Usama Athar, Ahsan Sohail, Asad Raza	Design of Experiments (DOE) for the Development of Green Tyre Tread by Reducing Carbon with Eco-Friendly Filler
13:50-14:00	Syeda Sabika Fatima, Faaz Ahmed Khan, Muhammad Ahmed Raza, Muhammad Usman	Design & Development Of Ceramics For Thermopower Applications
14:00-14:20	Salih Veziroğlu, Cenk Aktas, Franz Faupel	Photocatalytic deposition of hierarchical structures
BREAK		
Session Chair :		
Authors		Title
14:30-14:50	Bilgehan Güven, Ediz Ercenk, Şenol Yılmaz	WO ₃ Ve TeO ₂ İlavetinin Bazalt Camlarının Radyasyon Zırhlama Özellikleri Üzerindeki Etkileri
14:50-15:10	Aybars Özen, Ediz Ercenk, Şenol Yılmaz	CaF ₂ Katkısının Atıklardan Üretilen CaO-Al ₂ O ₃ -SiO ₂ Esaslı Cam-Seramiklerin Özelliklerine Etkisinin İncelenmesi
15:10-15:30	Beyza Kasal, Ertançan Babaç, Yasemin Tabak, Bayise Kavaklı Vatansver, Ayşen Kılıç, Metin Usta	Fonksiyonel Derecelendirilmiş Silisyum Nitrür Esaslı Seramiklerin Üretiminde Farklı Soğuk İzostatik Basınçlarının Etkisinin İncelenmesi
15:30-15:50	Çetin Öztürk	Kubbe-i Hadra Restorasyon Çinilerinin Karakterizasyonu
BREAK		
Session Chair :		
Authors		Title
16:00-16:20	Sabire Duman, Erman Duman	İnek Sütünden Elde Edilen Kaymak ve Yağının Karakterizasyonu
16:20-16:40	İbrahim Güneş	Investigation of Corrosion Behaviour of Construction Steels in Hydrochloric Acid
16:40-17:00	İbrahim Güneş	Ti-6Al-4V Alaşımının Plazma Pasta Borlanması
17:00-17:20	Redouane Chegroune, Mourad Keddami, İbrahim Güneş, Atilla Gürhan Çelik	Plasma Paste Boriding of Pure Titanium
17:20-17:40	İbrahim Güneş	Investigation of Corrosion Behaviour of S500 Steel
17:40-18:00	Cansu Kurtuluş, Mustafa Serhat Başpınar	Fly Ash Based Foam Geopolymers with Improved Drying Shrinkage Properties
18:00-18:20	Recep Kurtuluş, Cansu Kurtuluş, Hakan Ciftçi, Taner Kavak	The impact of particle size on physical and mechanical properties in waste-derived glass foams