ICOLES 2020 SCIENTIFIC PROGRAMME

FIRST DAY 11 December, 2020

11.12.2020 FRIDAY	HALL A	
09:30-10:00	**OPENING CEREMONY** **Prof. Dr. M. Emin ARAT (Rector of Fenerbahçe University)** **Prof. Dr. Fatma KANCA (Chair of ICOLES 2020)**	
10:00-10:45	**Keynote Speaker: Prof. Dr. Praveen AGARWAL (CHAIR: Prof. Ahmet Ocak AKDEMİR)**	
11:00-11:15	Chair: Elif ÇALOĞLU BÜYÜKSELÇUK	Geochemical anomaly map drawing with the help of estimated threshold values for Cd, Cu, Fe, Mo, Th, U and V in the uranium-rich stream sediments at the Ayhan basin, Turkey
		Leyla KALENDER
11:15-11:30		Investigation of load deformation curves of T-joints in steel structures
		Mahmut KILIÇ
11:30-11:45		Growth of Tetracene Single Crystals by Physical Vapor Transport under Different Inert Gas Flow Rates and Their Properties
		Çisem KIRBIYIK KURUKAVAK
11:45-12:00		Application of PCR in detection of severe acute respiratory syndrome coronavirus
		Chenyang ZHANG

Time	Chair	Title / Speaker
13:00-13:15	Chair: Praveen AGARWAL	Some new integral inequalities via general forms of proportional fractional integral operators
		Ahmet Ocak AKDEMİR
13:15-13:30		An Accurate Approximation for Multiple Integrals involve Non-analytic Power Functions Applied Mathematics
		Ali BAĞCI
13:30-13:45		Approximation of Functions by Certain Approximation Methods
		Faruk ÖZGER
13:45-14:00		Location of Signal Peak and Detection Domain by Building "Y" Configuration of Single-molecule in Nanopore Sensing
		Zimu YUAN
14:00-14:15		**BREAK**
14:15-14:30	Chair: Serhat DEMİRHAN	Effect of PD-1 Gene Variants on Hepatitis B Virus Activation
		Yakup ÜLGER
14:30-14:45		Freezing and Thawing Resistance of High-Volume Fly Ash Blended Cement Mortars Including Micronized Calcite
		Serhat DEMİRHAN
14:45-15:00		Is it Worthy to Preprocess Data for Sentiment Analysis Tasks
		Saed ALQARALEH
15:00-15:15		Comparison of Structural Properties and Photocatalytic Activities of ZnO Nanoparticles with Different Morphologies
		Nazlı Türkten
15:15-16:00		**Keynote Speaker: Prof. Dr. Liliana GURAN (CHAIR: Prof. Dr. Salim YÜCE)**

Time	Chair	Presentation
16:00-16:15	**Chair: Mahmut KILIÇ**	Fourier Method for Inverse Coefficient Hyperbolic Equation with periodic boundary condition
		Aysel PEKÜZÜN
16:15-16:30		Investigation of the Effect of Laser Scan Speed on Geometry of Grooves on Polyoxmethylene (POM) Sheet
		Timur CANEL
16:30-16:45		Investigation of Geological Formation by Vertical Electrical Sounding Method: Bursa Case
		Gökçen ERYILMAZ TÜRKKAN
16:45-17:00		Investigation of Sedimentation Effects on Dam Reservoirs: Çaygören Dam Example
		Gökçen ERYILMAZ TÜRKKAN
17:00-17:15	**Chair: Fatih AKAY**	Analysis Of Convolutional Neural Network Design Parameters For Object Detection
		Bünyamin DİKİCİ
17:15-17:30		Comparative study for the performance of OFETs of Self-Assembled Monolayer formed by Boronic Acid and Phosphonic Acid
		Tuğbahan YILMAZ
17:30-17:45		Efficient Anomaly detection system for cyber security attacks
		Saed ALQARALEH
17:45-18:00		Travelling wave solution of coupled Konno-Oono equation
		Serbay DURAN

SECOND DAY 12 December, 2020		
09:00-09:15	**Chair: Liliana GURAN**	Anti-Invariant Riemannian Submersions From Sasakian Manifolds with Totally Umbilical Fibers
		Gizem KÖPRÜLÜ
09:15-09:30		On some Hadamard type inequalities on a rectanguler box
		Sinan ASLAN
09:30-09:45		Focal Surface of the Tubular Surface in the Galilean 3-Space G_3
		İlim KİŞİ
09:45-10:00		Some Statistical Approximation Theorems
		Faruk ÖZGER
10:00-10:45	**Keynote Speaker: Prof. Dr. Claudiu T. SUPURAN (CHAIR: Prof. Ahmet Ocak AKDEMİR)**	
11:00-11:15	**Chair: Mehmet GÜRSOY**	Adsorptive Removal of Bisphenol-A (BPA) using Ionic Liquid Impregnated Silica Supports
		Nilay GİZLİ
11:15-11:30		Fabrication of pH-Responsive Polymer Thin Film Using Plasma Enhanced Chemical Vapor Deposition
		Mehmet GÜRSOY
11:30-11:45		Computing Eccentric Harmonic Index Of Some Complementary Prism Graphs
		Mukaddes ÖKTEN TURACI
11:45-12:00		Use of PCR, RT-RPA-LFD, NS1 in detecting DENV
		Xiangyuan HUANG
12:00-13:00	**BREAK**	

Time	Chair	Title / Speaker
13:00-13:15	Chair: Fatma KANCA	Effect of the Changing the Meat Type and Starter Culture on the Pepperoni Formulation
		Tuba GÜNGÖR
13:15-13:30		Evaluation of Performance Measurements of Floor Cleaning Robots via Data Envelopment
		Elif ÇALOĞLU BÜYÜKSELÇUK
13:30-13:45		Industry 4.0 researches of Turkey on countries basis
		Sena KALMAK
13:45-14:00		Financial Infrastructure Transformation with Industry 4.0: The Current Situation of Turkey
		Damla Su KARADOĞAN
14:00-14:15		**BREAK**
14:15-14:30	Chair: Günay ÖZTÜRK	On the real curve method for asymptotic critical value set of polynomial map
		Abuzer GÜNDÜZ
14:30-14:45		phi-delta-Primary Hyperideals in Krasner Hyperrings
		Elif KAYA
14:45-15:00		On Semi-derivations and Commutativity of Prime Rings
		Evrim GÜVEN
15:00-15:15		Some Results on Semi-derivatized Prime Rings
		Evrim GÜVEN
15:15-15:30	Chair: Evrim GÜVEN	Some Notes on Odd or Even Indexed Fibonacci and Lucas Sequences
		Emre KİŞİ
15:30-15:45		On phi-delta primary submodules
		Elif KAYA
15:45-16:00		r-Hyperideals and Generalizations of r-Hyperideals
		Melis BOLAT
16:00-16:15		δ-r-Hyperideals and φ-δ-r-Hyperideals of Commutative Hyperrings
		Melis BOLAT

16:15-17:00		**Keynote Speaker: Prof. Dr. Zlatko PAVIC (CHAIR: Prof. İrem BAĞLAN)**
17:00-17:15		The researches on the Industry 4.0 education in Turkey
		İrem BOZKURT
17:15-17:30	**Chair: Fatih AKAY**	C-Scripter: A Dynamic Call Center Scripting Application
		Taha Furkan NURDAĞ
17:30-17:45		Improving Fire Resistance of Chemically Treated Natural Fiber Composites by Nano Sized Particle Doping
		Mehmet Fatih ÖKTEM
17:45-18:00		A Review about the Possible Alterations on the University Campuses in Turkey after the COVID-19 Pandemic
		Evin ERİŞ

THIRD DAY 13 December, 2020

09:00-09:15		Stability and Hopf Bifurcation Analysis for a Predator - Prey Model
		İrem ÇAY
09:15-09:30	**Chair: İrem BAĞLAN**	2- Absorbing φ-δ-Primary Ideals
		Sanem YAVUZ
09:30-09:45		A NTRU Type Cryptosystem over Companion Matrices
		Mehmet SEVER
09:45-10:00		Some Relations Between Different Subclasses of Harmonic Univalent Functions Involving Pascal Distribution Series
		Hasan BAYRAM

Time	Chair	Session
10:00-10:15	**Chair: Ali YALÇIN**	The users' approach to zero waste according to five 'R'
		Sevda EKMEKÇİOĞLU
10:15-10:30		Game-Based Mathematics Applications Lesson Activity: Rock, Paper, Scissors
		Mertkan ŞİMŞEK
10:30-10:45		Industrial engineering researches conducted in Industry 4.0: The investigation of firms and sectors in Turkey
		Nutki Mert AKIN
10:45-11:00		Green Synthesis of Layered $Li_{1.2}Ni_{0.20}Co_{0.52}Mn_{0.08}O_2$ Cathode Materials Using Supercritical CO_2
		Ali YALÇIN
11:00-11:15	**Chair: Ebubekir İNAN**	Coefficient Estimates for a Special Subclass of Analytic Functions Defined by New Differential Operator
		Hasan BAYRAM
11:15-11:30		An Example of Approximately Near Ring in Digital Images
		Ebubekir İNAN
11:30-11:45		Stability Notes For Second Order Neutral Differential Equations
		Berrak ÖZGÜR
11:45-12:00		Estimation of Remaining Charge in Batteries with Kalman Filtering Approaches
		İlker BİLİK
12:00-13:00		**BREAK**
13:00-13:15	**Chair: Fatma KANCA**	On Analysis of Dualization and Dual Quaternionization
		Çiğdem AY
13:15-13:30		On Resonance Eigenvalues of a Schrödinger Operator with a Shifted Potential
		Setenay AKDUMAN
13:30-13:45		Feature Classification and Extraction Using Machine Learning Algorithms From The Anthropometric Measurements and Motor Skills of Children
		Uğur ÖZBALKAN
13:45-14:00		Description of a Simple Activity about Non-Euclidean Geometry
		Mertkan ŞİMŞEK

Time	Chair	Title / Speaker
14:00-14:15	**Chair: Evin ERİŞ**	Findings and Solutions on Behavior Differences in Blockchain Platforms in a Token Based Real-time System
		Okan CELEP
14:15-14:30		An algorithmic application of Brownian motion model and regression analysis in simulation of a measurement setup for concentration of liquids
		Ahmet CEZAYİRLİ
14:30-14:45		A Method to Share Sensitive Data among Competitive Data Using Authority
		Okan CELEP
14:45-15:00		A Thermodynamic Engine Cycle Study on Benefits of Flexible Valve Actuation and Stroke Volume Modulation Methods
		Barış DOĞRU
15:00-15:15	**Chair: Günay ÖZTÜRK**	Efficient Selection of Floating-Point Units for Maximize a FPGA Based System Throughput
		Vecdi Emre LEVENT
15:15-15:30		End to End Performance Monitoring and Distributed Tracing between Microservices Applications
		Serkan COŞTU
15:30-15:45		Independent Deployment Process of Nested React.js Web Applications on Complex Parent User Interfaces
		Serkan COŞTU
15:45-16:00		An inverse coefficient problem for quasilinear pseudo-parabolic of heat conduction of Poly(methyl methacrylate) (PMMA)
		İrem BAĞLAN

16:00-16:45		Keynote Speaker: Prof. Dr. Khalid JAVED (CHAIR: Prof. Ahmet Ocak AKDEMİR)
16:45-17:00	Chair: Serkan KAPUCU	Complex Solutions for the (3+1)-Dimensional Constant Coefficients KdV-Equation
		İbrahim Enam İNAN
17:00-17:15		Inverse problems for a conformable fractional Diffusion operator
		Abdullah ERGÜN
17:15-17:30		Gifted Students' Problem Solving Abilities with GeoGebra: River Problem
		Serkan KAPUCU
17:30-17:45		The Effect of Argumentation-Based Learning Approach on Students' Argumentation Levels in the Subject of Astronomy
		Serkan KAPUCU

The conference will be held via ZOOM platform. Please use the following connection links:

First Day-11.12.2020: https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzlRQT09

Meeting ID: 988 853 8161 Passcode: icoles

Second Day-12.12.2020: https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzlRQT09

Meeting ID: 988 853 8161 Passcode: icoles

Third Day- 13.12.2020: https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzlRQT09

Meeting ID: 988 853 8161 Passcode: icoles

TEST MEETING-10.12.2020-16:00: https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzlRQT09

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