

**ICOLES 2020 SCIENTIFIC PROGRAMME****FIRST DAY 11 December, 2020**

<b>11.12.2020 FRIDAY</b>	<b>HALL A</b>	
09:30-10:00	<b>OPENING CEREMONY</b> <b>Prof. Dr. M. Emin ARAT (Rector of Fenerbahçe University)</b> <b>Prof. Dr. Fatma KANCA (Chair of ICOLES 2020)</b>	
10:00-10:45	<b>Keynote Speaker: Prof. Dr. Praveen AGARWAL (CHAIR: Prof. Ahmet Ocak AKDEMİR)</b>	
11:00-11:15	<b>Chair: Elif ÇALOĞLU BÜYÜKSELÇUK</b>	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
		<b>Leyla KALENDER</b>
11:15-11:30		Investigation of load deformation curves of T-joints in steel structures
		<b>Mahmut KILIÇ</b>
11:30-11:45		Growth of Tetracene Single Crystals by Physical Vapor Transport under Different Inert Gas Flow Rates and Their Properties
		<b>Çisem KIRBIYIK KURUKAVAK</b>
11:45-12:00		Application of PCR in detection of severe acute respiratory syndrome coronavirus
		<b>Chenyang ZHANG</b>

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

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

## SECOND DAY 12 December, 2020

09:00-09:15	Chair: Lilliana GURAN	Anti-Invariant Riemannian Submersions From Sasakian Manifolds with Totally Umbilical Fibers
		<b>Gizem KÖPRÜLÜ</b>
09:15-09:30		Some new integral inequalities via general forms of proportional fractional integral operators
		<b>Sinan ASLAN</b>
09:30-09:45		Focal Surface of the Tubular Surface in the Galilean 3-Space $G_3$
		<b>İlim KİŞİ</b>
09:45-10:00		Some Statistical Approximation Theorems
		<b>Faruk ÖZGER</b>
10:00-10:45	<b>Keynote Speaker: Prof. Dr. Claudiu T. SUPURAN (CHAIR: Prof. Ahmet Ocak AKDEMİR)</b>	
11:00-11:15	Chair: Mehmet GÜRSOY	Adsorptive Removal of Bisphenol-A (BPA) using Ionic Liquid Impregnated Silica Supports
		<b>Nilay GİZLİ</b>
11:15-11:30		Fabrication of pH-Responsive Polymer Thin Film Using Plasma Enhanced Chemical Vapor Deposition
		<b>Mehmet GÜRSOY</b>
11:30-11:45		Computing Eccentric Harmonic Index Of Some Complementary Prism Graphs
		<b>Mukaddes ÖKTEN TURACI</b>
11:45-12:00		Use of PCR, RT-RPA-LFD, NS1 in detecting DENV
		<b>Xiangyuan HUANG</b>
12:00-13:00	<b>BREAK</b>	

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

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

<b>THIRD DAY 13 December, 2020</b>		
09:00-09:15	<b>Chair: İrem BAĞLAN</b>	Stability and Hopf Bifurcation Analysis for a Predator - Prey Model <b>İrem ÇAY</b>
09:15-09:30		2- Absorbing $\varphi$ - $\delta$ -Primary Ideals <b>Sanem YAVUZ</b>
09:30-09:45		A NTRU Type Cryptosystem over Companion Matrices <b>Mehmet SEVER</b>
09:45-10:00		Some Relations Between Different Subclasses of Harmonic Univalent Functions Involving Pascal Distribution Series <b>Hasan BAYRAM</b>

10:00-10:15	Chair: Ali YALÇIN	The users' approach to zero waste according to five 'R'
		<b>Sevcan EKMEKÇİOĞLU</b>
10:15-10:30		Game-Based Mathematics Applications Lesson Activity: Rock, Paper, Scissors
		<b>Mertkan ŞİMŞEK</b>
10:30-10:45	Chair: Ali YALÇIN	Industrial engineering researches conducted in Industry 4.0: The investigation of firms and sectors in Turkey
		<b>Nutki Mert AKIN</b>
10:45-11:00		Green Synthesis of Layered Li <sub>1.2</sub> Ni <sub>0.20</sub> Co <sub>0.52</sub> Mn <sub>0.08</sub> O <sub>2</sub> Cathode Materials Using Supercritical CO <sub>2</sub>
		<b>Ali YALÇIN</b>
11:00-11:15	Chair: Ebubekir İNAN	Coefficient Estimates for a Special Subclass of Analytic Functions Defined by New Differential Operator
		<b>Hasan BAYRAM</b>
11:15-11:30		An Example of Approximately Near Ring in Digital Images
		<b>Ebubekir İNAN</b>
11:30-11:45		Stability Notes For Second Order Neutral Differential Equations
	<b>Berrak ÖZGÜR</b>	
11:45-12:00	Chair: Ebubekir İNAN	Estimation of Remaining Charge in Batteries with Kalman Filtering Approaches
		<b>İlker BİLİK</b>
12:00-13:00	<b>BREAK</b>	
13:00-13:15	Chair: Fatma KANCA	On Analysis of Dualization and Dual Quaternionization
		<b>Çiğdem AY</b>
13:15-13:30		On Resonance Eigenvalues of a Schrödinger Operator with a Shifted Potential
		<b>Setenay AKDUMAN</b>
13:30-13:45		Feature Classification and Extraction Using Machine Learning Algorithms From The Anthropometric Measurements and Motor Skills of Children
	<b>Uğur ÖZBALKAN</b>	
13:45-14:00	Chair: Fatma KANCA	Description of a Simple Activity about Non-Euclidean Geometry
		<b>Mertkan ŞİMŞEK</b>

14:00-14:15	Chair: Evin ERİŞ	Findings and Solutions on Behavior Differences in Blockchain Platforms in a Token Based Real-time System
		<b>Okan CELEP</b>
14:15-14:30		An algorithmic application of Brownian motion model and regression analysis in simulation of a measurement setup for concentration of liquids
		<b>Ahmet CEZAYİRLİ</b>
14:30-14:45		A Method to Share Sensitive Data among Competitive Data Using Authority
	<b>Okan CELEP</b>	
14:45-15:00		A Thermodynamic Engine Cycle Study on Benefits of Flexible Valve Actuation and Stroke Volume Modulation Methods
		<b>Barış DOĞRU</b>
15:00-15:15	Chair: Günay ÖZTÜRK	Efficient Selection of Floating-Point Units for Maximize a FPGA Based System Throughput
		<b>Vecdi Emre LEVENT</b>
15:15-15:30		End to End Performance Monitoring and Distributed Tracing between Microservices Applications
		<b>Serkan COŞTU</b>
15:30-15:45		Independent Deployment Process of Nested React.js Web Applications on Complex Parent User Interfaces
	<b>Serkan COŞTU</b>	
15:45-16:00		Complex Solutions for the (3+1)-Dimensional Constant Coefficients KdV-Equation
		<b>Serbay DURAN</b>



16:00-16:45	<b>Keynote Speaker: Prof. Dr. Khalid JAVED (CHAIR: Prof. Ahmet Ocak AKDEMİR)</b>	
16:45-17:00	<b>Chair: Serkan KAPUCU</b>	An inverse coefficient problem for quasilinear pseudo-parabolic of heat conduction of Poly(methyl methacrylate) (PMMA)
		<b>İrem BAĞLAN</b>
17:00-17:15		Inverse problems for a conformable fractional Diffusion operator
		<b>Abdullah ERGÜN</b>
17:15-17:30		Gifted Students' Problem Solving Abilities with GeoGebra: River Problem
		<b>Serkan KAPUCU</b>
17:30-17:45		The Effect of Argumentation-Based Learning Approach on Students' Argumentation Levels in the Subject of Astronomy
		<b>Serkan KAPUCU</b>

**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=Z29TbWZZWFpEVFJHZGFJTWd4YzIRQT09>

**Meeting ID: 988 853 8161 Passcode: icoles**

**Second Day-12.12.2020:** <https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzIRQT09>

**Meeting ID: 988 853 8161 Passcode: icoles**

**Third Day- 13.12.2020:** <https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzIRQT09>

**Meeting ID: 988 853 8161 Passcode: icoles**

**TEST MEETING-10.12.2020-16:00:** <https://us02web.zoom.us/j/9888538161?pwd=Z29TbWZZWFpEVFJHZGFJTWd4YzIRQT09>

**Meeting ID: 988 853 8161 Passcode: icoles**