

# ICMRS 2022 CONFERENCE PROGRAMME

FIRST DAY 28 October 2022				
28.10.2022 FRIDAY	HALL 1	HALL 2		
09.30-10.00	<b>OPENING CEREMONY</b>			
10.00-10.15	<b>COCKTAIL</b>			
10.15-10.55	<b>HALL 1 Keynote Speaker: Prof. Dr. Maria Alessandra RAGUSA (CHAIR: Prof. Dr. Ahmet Ocak AKDEMİR)</b> Recent developments in elliptic variational problems with nonstandard growth conditions			
11.00-11.40	<b>HALL 1 Keynote Speaker: Prof. Dr. Thabet ABDELJAWAD (CHAIR: Prof. Dr. Miodrag SPALEVIC)</b> Some Recent developments in discrete fractional calculus			
12.00-13.30	<b>LUNCH</b>			
13.30-13.45	Chair: Miodrag SPALEVIC	Explicit formula for functions in the Selberg class and its applications <b>Kajtz BLLACA</b>	Chair: Mehmet Zeki SARIKAYA	Analysis of a TB mathematical model via fractional operator <b>Tuba OĞUR</b>
13.45-14.00		Internality of averaged quadratures for rational modifications of Jacobi measures <b>Dusan DJUKIC</b>		Investigation of the effects of social studies and science teachers' social and social media anxiety on various variables <b>Mehmet Akif HAŞILOĞLU</b>
14.00-14.15		The error bounds of Gaussian quadratures for some rational modification of Chebyshev measures <b>Rada Mutavdzic DJUKIC</b>		The transformation of widely used lactation model, wood model, into biologically meaningful parameterized model <b>Mehmet KORKMAZ</b>
14.15-14.30		Error bounds of Gaussian quadrature formulae with Legendre weight function for analytic integrands <b>Aleksandar PEJCEV</b>		Some sum formulas for Hyperbolic Pell and Hperbolic Pell-Lucas numbers <b>Sait TAŞ</b>
14.30-14.45	<b>BREAK</b>			
14.45-15.25	<b>HALL 1 Keynote Speaker: Prof. Dr. Miodrag SPALEVIC (Chair: Prof. Dr. Maria Alessandra RAGUSA)</b> Computation of generalized averaged Gaussian quadrature rules			
15.30-15.45	Chair: Çetin YILDIZ	Midpoint type inequalities based on conformable fractional integrals for s-convex mappings <b>Gözde BAYRAK</b>	Chair: Fuad KITTANEH	Dufort-Frankel difference method for fractional order Pseudo-parabolic differential equation defined by Atangana-Baleanu Caputo derivative <b>Sadeq Taha ABDELAZEEZ</b>
15.45-16.00		Conformable fractional trapezoid type inequalities via s-convex functions <b>Gözde BAYRAK</b>		Some new inequalities for exponentially quasi-convex functions on the coordinates and related Hadamard type inequalities <b>Sinan ASLAN</b>
16.00-16.15		On new versions of Bullen-type inequalities based on conformable fractional integrals <b>Hasan KARA</b>		New integral inequalities involving the Proportional Caputo-Hybrid operators for s-convex functions <b>Barış ÇELİK</b>
16.15-16.30		Refinements of Hermite-Hadamard inequalities for conformable fractional integrals <b>Hasan KARA</b>		The method for defining the coefficient of Hydraulic resistance on different parts of lifting pipe in discrete case <b>Nazile HAJIYEVA</b>
16.30-16.45	<b>BREAK</b>			
16.45-17.00	Chair: Thabet ABDELJAWAD	On weighted fractional calculus with Sonine kernels <b>Mohammed Al-REFAI</b>	Chair: Jehad Al-JARADEN	Finite groups in which every subgroup of the Sylow p-subgroup satisfies certain nearly S-permutability condition <b>Khaled Al-SHARO</b>
17.00-17.15		Norm and numerical radius inequalities for operator matrices <b>Fuad KITTANEH</b>		Analytical-numerical solutions for linear systems of second order differential equations by using reproducing kernel Hilbert space method <b>Ali ATEIWI</b>
17.15-17.30		Monotonicity analysis of discrete Liouville-Caputo operators defined using exponential kernels <b>Pshtiwan MOHAMMED</b>		Application of fractional Gamma three-parameters probability distribution <b>Ma'mon Abu HAMMAD</b>
17.30-17.45		New algebraic insights to the Goldbach conjecture <b>Aliaa BURQAN</b>		Fixed point results in bicomplex valued b-metric spaces <b>Faisal ALKASASBEH</b>

## SECOND DAY 29 October 2022

29.10.2022 SATURDAY		HALL 1		HALL 2
09.30-09.45	Chair: Maria Alessandra RAGUSA	Conformable triple Sumudu transform with applications  <b>Gharib Mousa GHARIB</b>	Chair: Kamel AL KHALED	Factors influencing higher-education students' satisfaction toward online education during COVID-19 pandemic in developing countries: An empirical investigation Using Mixed Method Research  <b>Tarek Taha AHMAD</b>
09.45-10.00		The influence of c-subnormality of subgroups on the structure of finite groups  <b>Jehad Al JARADEN</b>		EHD stability of an oscillating streaming fluid cylinder  <b>Alfaisal HASAN</b>
10.00-10.15		A condition for the supersolvability of finite groups  <b>Rashad Abu SALLIK</b>		A study of numerical solutions for a family of multi-term fractional-order integro-differential equations  <b>Shameseddin ALSHORM</b>
10.15-10.30		Second order iterative dynamic boundary value problems involving mixed derivative operators and demonstrated by physical applications  <b>Jehad ALZABUT</b>		Some results for f-minimal hypersurfaces in manifolds with density  <b>Abdelmalek MOHAMMED</b>
10.30-10.45	BREAK			
10.45-11.25	<b>HALL 1 Keynote Speaker: Prof. Dr. Zlatko PAVIC (CHAIR: Prof. Dr. Jehad AL-JARADEN)</b> <b>The Jensen and Hermite-Hadamard inequalities</b>			
11.30-11.45	Chair: Erhan SET	An investigation into new inequalities for modified h-convex functions  <b>Çetin YILDIZ</b>	Chair: Gharib Mousa GHARIB	Forecast COVID-19 time series data of Jordan  <b>Ahmad M. AWAJAN</b>
11.45-12.00		Some new inequalities for exponentially P-functions on the co-ordinates  <b>Sinan ASLAN</b>		Solutions for fractional shallow water equations  <b>Kamel AL KHALED</b>
12.00-12.15		On Simpson's type inequalities for quasi-convex functions via Atangana-Baleanu integral operators  <b>Ahmet Ocak AKDEMİR</b>		Normal holonomy along transnormal curves in R4  <b>Kamal AL BANAWI</b>
12.15-12.30		Steffensen type generalizations for convex functions  <b>Alper EKİNCİ</b>		On semi-tangent bundle  <b>Furkan YILDIRIM</b>
12.30-14.00	LUNCH			
14.00-14.15	Chair: Mustafa GÜRBÜZ	Hermite-Hadamard type inequalities via Atangana-Baleanu fractional integral operators for twice differentiable convex and (s,m)-Godunova-Levin functions  <b>Abdüllatif YALÇIN</b>	Chair: Abdullah ÇAĞMAN	Analytic functions defined by Ruscheweyh derivative  <b>Meaad ALBDAREEN</b>
14.15-14.30		A new generalization of convexity and some new integral inequalities via generalized fractional integral operators  <b>Abdüllatif YALÇIN</b>		Analytical solution of the Schrödinger equation for the linear combination of the Eckart and the Yukawa potential  <b>Nargiz HUSEYNOVA</b>
14.30-14.45		New fractional integral inequalities for different types of convex functions  <b>Coşkun YALÇINKAYA</b>		Limit cycle of the discontinuous piecewise system formed by Nilpotent Saddles separated by a straight Line  <b>Imane BENABDALLAH</b>
14.45-15.00		Some fractional integral inequalities obtained with the help of Proportional Caputo Hybrid operator  <b>Coşkun YALÇINKAYA</b>		Analytical solution of the Schrödinger equation for the linear combination of the Eckart and the Yukawa potential  <b>Hikmat AHMADOV</b>
15.00-15.15	BREAK			
15.15-15.30	Chair: Mehmet KORKMAZ	On generalizations of some integral inequalities with the help of AB-fractional integral operators and s-convex functions  <b>Erhan SET</b>		
15.30-15.45		Midpoint inequalities for superquadratic functions  <b>Mehmet Zeki SARIKAYA</b>		
15.45-16.00		Structural properties and fault tolerance assessment of a cubic graph family: Generalized Pappus graphs  <b>Gülnaz BORUZANLI EKİNCİ</b>		
16.00-16.15		New approached for differentiable s-convex functions in the fourth sense via fractional integral operators  <b>Merve NAZİK</b>		

## THIRD DAY 30 October 2022

30.10.2022 SUNDAY		HALL 1		HALL 2
09.00-09.15	Chair: Ahmet Ocak AKDEMİR	Some reduction algorithm analyses for $C_6$ groups  <b>Abdullah ÇAĞMAN</b>		
09.15-09.30		Some new local fractional integral inequalities of Maclaurin type obtain with the help of $s$ -convex functions  <b>Mustafa GÜRBÜZ</b>		
09.30-09.45		New Extensions of $q_a$ -Hermite-Hadamard Inequality and $q^b$ -Hermite-Hadamard Inequality  <b>Hüseyin BUDAK</b>		
09.45-10.00		The solution of the extended 16th Hilbert problem for a class of discontinuous piecewise differential systems separated by a straight line  <b>Meriem BARKAT</b>		
10.00-10.15	BREAK			
10.15-10.55	<b>HALL 1 Keynote Speaker: Prof. Dr. Özkan ÖCALAN (CHAIR: Prof. Dr. Mehmet Zeki SARIKAYA)</b> <b>Oscillatory solutions for first order delay differential equations</b>			
11.00-11.15	Chair: Özkan ÖCALAN	Oscillatory behavior of a type of Caputo fractional differential equations with forcing and damping terms  <b>Mustafa Kemal YILDIZ</b>		
11.15-11.30		A new method for finding efficient set of multi-objective stochastic linear integer program  <b>Sarra KENTACHE</b>		
11.30-11.45		Some combinatorial interpretations refer to the partial Bell polynomials  <b>Meriem TIACHACHAT</b>		
11.45-12.00		Bound state solution of the Klein–Fock–Gordon equation for the linear combination of the Hulthén and the type of Yukawa potentials  <b>Tarana ALIYEVA</b>		
12.00-13.30				
13.30-13.45	Chair: Alper EKİNCİ	Behavior of the combination of CD and BA methods for unconstrained optimization  <b>Sabrina Ben HANACHI</b>		
13.45-14.00		Limit cycles generated by piecewise linear Hamiltonian systems without equilibria with three pieces  <b>Louiza BAYMOUT</b>		
14.00-14.15		Approximation in linear differential equation  <b>Khalissa ZERAIBI</b>		
14.15-14.30		Reduction to an integral equation of the boundary value problem for a half-ordered integro-differential equation  <b>Vusal OSMANOV</b>		
14.30-15.00	HALL 1		CLOSING CEREMONY	