Conference Venue (Hybrid)

Faculty of Science (Block B), Akdeniz University + Virtual Room (will be available via "Microsoft Teams")

Important Notes
1) **The Conference will be held as a hybrid event including physical and virtual presentations.**
2) **Time zone for Conference is GTM +3 (Istanbul time).**

November 11, 2021 (Thursday)

10:00 – 10:30	Opening Ceremony **Virtual Room** **Opening Speech of Committee-in-Chief:** Yilmaz Simsek **Title of Talk:** Relations Between A Certain Combinatorial Numbers and Fibonacci numbers
	Invited Speakers Talks **Virtual Room** **Chairman:** Yilmaz Simsek
10:30 – 11:00	**Invited Speaker:** Daeyeoul Kim **Title of Talk:** A note of Arithmetical functions
11:00 – 11:15	**Invited Speaker:** Dmitry Kruchinin **Title of Talk:** On the approach of solving iterative functional equations with generating functions
11:15 – 11:30	**Invited Speaker:** Dmitry Kruchinin **Title of Talk:** Application of the method of compositae to generating functions in three variables (with *Yuriy Shablya* and *Maria Perminova*)
11:30 – 12:30	**Invited Speaker:** Abdelmejid Bayad **Title of Talk:** Extended Eulerian numbers and prime zeta functions type
12:30 – 13:30	**Lunch Break**
	Contributed Talks
	Virtual Room **Chairman:** Abdelmejid Bayad
13:30 – 13:45	**Speaker:** Irem Kucukoglu **Title of Talk:** Some identities derived from the application of the Volkenborn integral to the Abel's binomial theorem
13:45 – 14:00	**Speaker:** Rahime Dere Paçin **Title of Talk:** Pidduck polynomials associated with the Umbral algebra

14:00 – 14:15	**Speaker:** Neslihan Kilar **Title of Talk:** Remarks and Some Formulas on Fubini Type Numbers and Polynomials	
14:15 – 14:30	**Speaker:** Damla Gun **Title of Talk:** Remarks on infinite series representations of the certain family of the combinatorial numbers	
14:30 – 14:45	**Speaker:** Yagmur Cetin **Title of Talk:** On Fibonacci type numbers and polynomials derived from homogeneous linear recurrence relation	
14:45 – 15:00	**Speaker:** Merve Kara **Title of Talk:** Some notes on the curve couple of Bézier curve	
15:00 – 15:15	**Coffee Break**	
	Contributed Talks	
	Virtual Room **Chairman:** Rahime Dere Paçin	
15:15 – 15:30	**Speaker:** Shadi Shaqaqha **Title of Talk:** An analog of Lagrange's theorem for enveloping algebras	
15:30 – 15:45	**Speaker:** Erkan Agyuz **Title of Talk:** Convergence by Szász type Operators Based on Euler Type Polynomials	
15:45 – 16:00	**Speaker:** Mine Menekse Yilmaz **Title of Talk:** Approximation by Szász type Operators Involving Bernoulli Type Polynomials	
16:00 – 16:15	**Speaker:** Ahmed Hersi Matan **Title of Talk:** Highly Accurate Implicit Schemes for the Numerical Computation of Derivatives of the Solution to Heat Equation	
16:15 – 16:30	**Speaker:** Sara Safarzadeh Falahhesar **Title of Talk:** Hybrid Operators for Solving the Weakly Singular Volterra Integral Equations: Theoretical Analysis	
16:30 – 16:45	**Speaker:** Sara Safarzadeh Falahhesar **Title of Talk:** Hybrid Operators for Solving Weakly Singular Volterra Integral Equations: Numerical Analysis	
16:45 – 17:00	**Speaker:** Sören Kraußhar **Title of Talk:** Some fundamental differences between Octonionic analysis and Clifford analysis	

November 12, 2021 (Friday)

	Contributed Talks	
	Virtual Room **Chairman:** Neslihan Kilar	**Virtual Room** **Chairman:** Rahime Dere Paçin
09:00 – 09:15	**Speaker:** Ortaç Öneş **Title of Talk:** On radical ideals associated with an ideal in a commutative ring	**Speaker:** Hudu Dayyabu **Title of Talk:** The conjugacy class graph of some metabelian groups and its energy
09:15 – 09:30	**Speaker:** Mustafa Alkan **Title of Talk:** On the generalized tribonacci sequences	**Speaker:** Kamel Tablennehas **Title of Talk:** About the dot criticality index of a connected domination in P_4 sparse graphs
09:30 – 09:45	**Speaker:** Busra Al **Title of Talk:** On the non-commutative partitions of an integer	**Speaker:** Rachid Lemdani **Title of Talk:** Graphs with their packing chromatic number

09:45 – 10:00	**Speaker:** Hamdullah Başaran **Title of Talk:** Some new inequalities for Berezin radius	**Speaker:** Natália Pacheco Rego **Title of Talk:** On Lie-central derivations and almost inner Lie-derivations of Leibniz algebras
10:00 – 10:15	**Coffee Break**	
	Virtual Room **Chairman:** Ortaç Öneş	**Virtual Room** **Chairman:** Rahime Dere Paçin
10:15 – 10:30	**Speaker:** Nabila Aiane **Title of Talk:** Stochastic Ill-posed Problem with α-mixing errors	**Speaker:** Manuel López-Pellicer **Title of Talk:** Baire-type properties in $c_0(\Omega, X)$
10:30 – 10:45	**Speaker:** Dong Liang **Title of Talk:** Efficient High-Order Block-Centered Compact Difference Schemes for Time-Dependent PDEs	**Speaker:** Benchettah Djaber Chemseddine **Title of Talk:** Sub-solution approach for the Asymptotic Behavior of a Parabolic Variational Inequality Related to American Options Problem
10:45 – 11:00	**Speaker:** Muhammad Aslam Noor **Title of Talk:** Higher order general convex functions and variational inequalities	**Speaker:** Raihanatu Muhammad **Title of Talk:** Analysis of algebraic pattern of a first order and an extended second order Runge–Kutta type methods
11:00 – 11:15	**Speaker:** Rabha Waell Ibrahim **Title of Talk:** A new quantum linear operator defined by the Airy differential formula acting on a normalized analytic function in the open unit disk	**Speaker:** Abdurrahman Abdulhamid **Title of Talk:** An Analytic Solution of Simplified Mathematical Model of Continuity Equation
11:15 – 11:30	**Speaker:** Burcin Simsek **Title of Talk:** On the search for universal laws for protein copy number fluctuations	**Speaker:** Fadila Leslous **Title of Talk:** Application of DCA in the Optimization of a Telecommunications Network
11:30 – 11:45	**Speaker:** Satish Iyengar **Title of Talk:** Joint Model Selection for Hidden Markov Models with Exponential Family Observations	**Speaker:** Kabiru Muhammad **Title of Talk:** On the performance of two modified Broyden methods for solving systems of nonlinear equations
11:45 – 12:00	**Speaker:** Buket Simsek **Title of Talk:** Notes on statistical evaluations of the Bezier curves constructed on deformation hands	**Speaker:** Bassey Echeng Bassey **Title of Talk:** Optimal control for multi-treatment of Dual listeriosis infection
12:00 – 12:15	**Speaker:** Andreea Fulga **Title of Talk:** On contractions iterate at a point	**Speaker:** Abdulkadir Datti **Title of Talk:** A Complete Proof of the Beal Conjecture
12:15 – 12:30	**Speaker:** Veerabadhraiah Lokesha **Title of Talk:** Analysis on copper(I) oxide using ve-degree and ev-degree indices	**Speaker:** Fabrizio Colombo **Title of Talk:** Direct and Inverse Fueter-Sce-Qian Mapping Theorem and Spectral Theories
12:30 – 12:45	**Speaker:** Mohammed Ezzine Djeffal **Title of Talk:** To Be Announced	**Speaker:** Richard Tremblay **Title of Talk:** Some New Summation Formulas obtained with the Christoffeel-Darboux identity for Orthogonal Polynomials and the using of fractional operator $_zO^{\beta}_{\alpha}$
12:45 – 13:00	**Speaker:** Taekyun Kim **Title of Talk:** A visual proof of $e < a < b \Rightarrow e^a\, b^b > a^b\, e^b$	
13:00 – 13:30	**Lunch Break**	

	Invited Speakers Talks **Chairman:** Neslihan Kilar
13:30 – 14:15	**Invited Speaker:** Gradimir V. Milovanović **Title of Talk:** Numerical computation of the two dimensional exponential integrals
14:15 – 15:00	**Invited Speaker:** Helmuth Robert Malonek **Title of Talk:** Using Hypergeometric Functions in Hypercomplex Analysis
15:00 – 15:45	**Invited Speaker:** Wolfgang Sprößig **Title of Talk:** Quaternionic approach for special fluid flow equations in porous media
15:45 – 16:30	**Invited Speaker:** Sabadini Irene Maria **Title of Talk:** An overview on Aharonov-Berry superoscillating functions and their interplay with complex analysis
16:30 – 17:00	**Closing Ceremony**