

Time (GMT +03:00)	2 JULY 2025											
07:30 - 09:30	REGISTRATION											
09:30 - 10:30	OPENING TALKS											
10:30 - 10:45	☕ COFFEE BREAK											
10:45 - 11:30	CHAIR: IOAN RAȘA			PLENARY SPEAKER: FRANCESCO ALTOMARE, <i>CONVERGENCE PROBLEMS AND POSITIVE APPROXIMATION PROCESSES ON FUNCTION SPACES ON CONVEX SETS (WEIERSTRASS HALL)</i>								
11:30 - 11:40	☕ COFFEE BREAK											
11:40 - 11:55	WEIERSTRASS HALL	Ferenc Weisz	Cross Approximation of Functions of 2 Variables Petr Borodin	BANACH HALL	Erdal Karapınar	Completeness Theorems on the Boundary Alberto Cialdea	HILBERT HALL	Eva Kopecka	Local Fractional Hilbert-type Inequalities Predrag Vuković	GAUSS HALL	Firat Özaraç (zoom)	The Probabilistic Characteristics of Ion-Acoustic Waves in a Randomized Plasma Model with Non-extensive Electrons Abdalla Hussein Zaky Moustafa
11:55 - 12:10			On Some New Perspectives on Hardy-Amalgam Spaces with Variable Exponents Cihan Unal			Modular Fixed Point Framework for Seljuk Knot Motifs: A Topological Study of Karatay Madrasa and Kubadabad Palace Mahpeyker Öztürk			Estimating Covariance in Generalized Least Squares for Frechet Distribution Khemissi Zahia			On Uniform Exhaustiveness and Korovkin-type Theorem Ali Arpacioğlu
12:10 - 12:25			Approximation by Kantorovich Sampling Operators in Weighted Variable Exponent Lebesgue Spaces Borislav R. Draganov			Generalized Split Equality Feasibility Problem in a Hadamard space Bashir Ali			On Modular Equation and Related Distortion Functions Barkat Bhayo			Propagation of Solitons and Nonlinear Behavior in Nonlinear Power Law Fibers Ahmad Muhammad
12:25 - 13:45	🍴 LUNCH											
13:45 - 14:00	WEIERSTRASS HALL	Harun Karlı	On Approximation by Algebraic Version of the Trigonometric Jackson Integrals $G_{k,n}$ in Weighted Integral Metric Teodora Zapryanova	BANACH HALL	Gheorghe Bucur	Convergence Types on Interpolative Metric Spaces Ceylan Yalçın	HILBERT HALL	Predrag Vuković	A Converse of Triangle Inequality: Applications Ileana Bucur	GAUSS HALL	Firat Özaraç (zoom)	A Note on Modified Landau Type Operators Ali Han Avcı
14:00 - 14:15			Convergence in the Variation Seminorm by Generalized Kantorovich-Type Szász-Mirakyan Operators Constructed via Appell Polynomials Gül Emine Canbolat			A New Generalization of the Digital Contraction Principle and Image Compression Applications Aybala Sevd e Özkapu			Development of a New Efficient Algorithm for Multiplication of Large Integers Meltem Uzun			Respecting Cauchy Equivalence Classes Anthony Ripa
14:15 - 14:30			Disjoint F -Transitive Composition Operators on Orlicz Spaces Chung-Chuan Chen			Some Novel Fixed Point Results in the Sense of Interpolative Metric Space Abdurrahman Büyükkaya			Remark on Neumann Problem in the Ring Domain Bahriye Karaca			Approximation Results on Neural Network Operators of Convolution Type Asiye Arif
14:30 - 14:45			A Modification of Bernstein Operators on the Interval $(-1, 1)$ Şule Yüksel Güngör			Fixed Points in Δ -Symmetric Quasi Modular Metric Spaces of Non-Archimedean Type Dilek Karabacak Kesik			On a Two-Layer Conjugation Problem for the Heat-Conduction Equation in a Cylinder Jiayue Wang			Best Proximity Points for Cyclic Operators with Applications in Image Processing Chira Mihaela Ancuta
14:45 - 15:00			Boundary Integral Equations of the First Kind: Solvability and Applications Vita Leonessa			Fixed Point Theory in Graphical Modular Metric Spaces: A Unified Approach via Banach, Kannan, and Reich-Type Contractions Elif Özbay Azap			Robust numerical method for the singularly perturbed problem with a nonlocal condition Zelal Temel			Surface Pencil along a Common Spatial Geodesic according to Positional Adapted Frame in Euclidean 3-Space Bilge Karahan
15:00 - 15:15	☕ COFFEE BREAK											
15:15 - 16:00	CHAIR: ANDREEA FULGA			PLENARY SPEAKER: ERDAL KARAPINAR, <i>PRIMARY INDISPENSABLE REMARKS ON SOME RECENT RESULTS IN METRIC FIXED POINT THEORY (WEIERSTRASS HALL)</i>								
16:00 - 16:15	☕ COFFEE BREAK											
16:15 - 16:30	WEIERSTRASS HALL	Borislav R. Draganov	Generalized Gamma-type Operators Mirella Cappelletti Montano	BANACH HALL	Mahpeyker Öztürk	Result for Multivalued Contractions on Ultrametric Spaces Tuğçe Delen	HILBERT HALL	Vita Leonessa	Geometry of Curves as a way Establish Connections Between Integrable Nonlinear Equations Gulgassyl Nugmanova	GAUSS HALL	Firat Özaraç (zoom)	On Close to Convexity of a Class of Bounded Harmonic Mappings Oya Mert Coşkun
16:30 - 16:45			Quantitative Convergence and Multivariate Extensions of Activated Convolution Operators via Positive Linear Methods Seda Karateke			Compactness Result in the Set of Measures Gheorghe Bucur			A Theoretical Approach to Superfluous Parameters in Constrained Multivariate Linear Models Melek Eriş Büyükkaya			On Groups and Vector Spaces with Easy Direct Limits Emilia Halušková
16:45 - 17:00			Approximation of Continuous Functions by Goodman-Sharma Type Modifications of the Bernstein Operator and the Baskakov Operator Rumen Uluchev			New Fixed Point Theorem for Rational F -Contractions Eşref Erdoğan			Analysis of the mKdV Equation in Magnetohydrodynamics for Exploring Solitons and Nonlinear Dynamics Muhammad Abubakar Isah			Some Fixed Point Theorems in Modular b -Metric-Like Spaces Banu Pazar Varol
17:00 - 17:15			On the Convergence of Generalized Szász-Mirakjan Operators in the Variation Seminorm Sare Yumruçalı			Fixed Point Results for Generalized Cyclic $\alpha - \alpha_{\text{FTT}}$ -contractions Abderrahmane Boudraa			Solvability of a System Arising in Nonlinear Ultrasonic Heating Imen Benabbas			Resolvent Approaches to Elliptic Regularity in Stationary Fokker–Planck Equations Haesung Lee
17:15 - 17:30												Adjoint Curve Using Conformable Derivative Burçin Saltık Baek
17:30 - 17:45	SOCIAL EVENT: OTTOMAN MEHTER SHOW / CAMPUS MAIN SQUARE / 17:30											
17:45 - 18:00												Extended G-Menger Space Oumertou Lahcen

Time (GMT +03:00)	3 JULY 2025											
09:00 - 09:45	CHAIR: TUNCER ACAR			PLENARY SPEAKER: IOAN RAŞA, SEQUENCES OF POSITIVE LINEAR OPERATORS AND THEIR LIMITS (WEIERSTRASS HALL)								
09:45 - 10:00	☕ COFFEE BREAK											
10:00 - 10:15	WEIERSTRASS HALL	Laura Angeloni	On Von Neumann Approximation Theorem Ileana Bucur	BANACH HALL	Cristina Pacurar	Mappings Contracting Perimeter of Triangles in Perturbed Metric Spaces Mirela Adriana Tarnoveanu	HILBERT HALL	Flavia Lanzara	Variable-Order Hadamard-type Fractional Calculus with respect to Function Ibrahim Abdullahi Saleh	GAUSS HALL	Firat Özsarac (zoom)	Non-parametric Estimation for Doubly Geometric Process Gültaç Eroğlu İnan
10:15 - 10:30			Quantitative Estimates for Wavelet Type Extension of Generalized Kantorovich Operators Gülen Başcanbaz-Tunca			On Some Properties and Compactness Criteria of Variable Exponent Fofana's Space İsmail Aydın			Structural Modeling of Covariate-Driven Misclassification Risk: A Likelihood-Based Approach Sümeyra Sert			On Af-Statistical Convergence of Sequences of Sets Basil Elşibli
10:30 - 10:45			Sampling type Operators Versus AI in Medical Image Processing Lucrezia Rineili			An Approximation Study with Mellin Integral Operators Cem Topuz			Hardy-type inequality associated with a class of generalized Hypergroup in n-dimensional spaces, $n \leq 1$ Miloud Assal			A New Generalization of the Frank Matrix Efruz Özlem Mersin
10:45 - 11:00			Approximation by a Generalization of the Szász-Baskakov Operators Verda Karadaş			A Generalized Approach to the Definition of Baskakov-Durrmeyer Operators Gülşüm Ulusoy Ada			Robust Estimation of Paremers in Simple Linear Regression Model Ömer Bayraktar			Characteristically Near Groups in Complex Plane Vector Fields Tane Vergili
11:00 - 11:15	☕ COFFEE BREAK											
11:15 - 11:30	WEIERSTRASS HALL	Rosario Corso	New Generalization of Sampling type Series and Applications to Image Processing Metin Turgay	BANACH HALL	Alberto Cialdea	Mappings Contracting Triangles Cristina Pacurar	HILBERT HALL	Coşkun Kuş	On the Generic Configurations of Two Dimensional Strongly Competing Systems Flavia Lanzara	GAUSS HALL	Firat Özsarac (zoom)	On Controlled Interpolative Metric Spaces Ekber Girgin
11:30 - 11:45			Rational Approximations of Fractional Elliptic Operators Svetozar Margenov			Quasi-Metric Spaces and Related Fixed Point Results Andreea Fulga			Neimark-Sacker Bifurcation and Control of Chaos in Prey-Predator System Subject to Harvesting Effect on Prey Özlem Ak Gümüş			Sensitivity Approach for the Evaluation of Statistical Test Batteries Elena Almaraz Luengo
11:45 - 12:00			Preserving Non-Negativity in Rational Approximation of Fractional Diffusion Problems Stanislav Harizanov			Approximation Properties of Szász Mirakyan Durrmeyer Operators Preserving Exponential Functions Gülşüm Ulusoy Ada			Convergence of Remote Projections onto Convex Sets Eva Kopecka			Generalizations of Certain Classes of Single-Valued Mappings to Multivalued Cases Emirhan Hacıoğlu
12:00 - 12:15			Modified Exponential Sampling Series in Logarithmic Weighted Spaces of Functions Sadettin Kırşun			Minimum Hellingger Distance Estimate for a Periodic Fractional Autoregressive Model Karima Belaïde			Trees Families with Algebraic Connectivity Greater than or Equal to $2(1-\cos(\pi/9))$ Emre Can Erdem			Commutator of Anisotropic Maximal Operator on Total Anisotropic Morrey Spaces Süleyman Çelik
12:15 - 13:45	🍽️ LUNCH											
13:45 - 14:30	CHAIR: HARUN KARSLI			PLENARY SPEAKER: XIAOMING WANG, CONSTRUCTION OF TRANSITION LAYERS ASSOCIATED WITH A FEW FLUID MODELS (WEIERSTRASS HALL)								
14:30 - 14:45	☕ COFFEE BREAK											
14:45 - 15:00	WEIERSTRASS HALL	Gianluca Vinti	On Some Families of Exponential type Polynomials Laura Angeloni	BANACH HALL	Gülşüm Ulusoy Ada	On Some Direct Estimates Results of the Rate Approximation by the Kantorovich Operator in Weighted Grand Lebesgue Spaces İsmail Aydın	HILBERT HALL	Marta Dmytryshyn	A Novel Inflated Mixture Distribution with Exponential and Unit Lindley Components Erdem Cankut	GAUSS HALL	Firat Özsarac (zoom)	Geometric Evolution of Space Curves according to Positional Adapted Frame in Euclidean 3-Space Gökhan Türk
15:00 - 15:15			Approximation with Nonlinear Lototsky-Durrmeyer type operators Hüseyin Erhan Altın			A restart derivative-free algorithm for solving pseudomonotone equations Auwal Bala Abubakar			An Inverse Source Problem for Time-Fractional Pseudoparabolic Equations with Memory Term Khompysy Khonabek			Normal Structure and Contractions which Diminish Radius in Metric and Banach Spaces Redjel Najah
15:15 - 15:30			Recent Results on Sampling Kantorovich Operators of the Max-Product type in Functional spaces Lorenzo Boccali			Convergence of a Family of Mellin-Steklov Type Exponential Sampling Operators Dilek Özer			Estimation of a Finite Population Mean under Random Non-response Using Improved Nadaraya-Watson Kernel Weights Nelson Kiprono Bii			Further Properties of Laplace Transform for the Anti-causal System Defined on Isolated Times Scales Hurije Dag
15:30 - 15:45			Properties of Hyperbolic Convolution on the Unit Disc Margit Pap						On Parabolic Class Number of a Special Subgroup of the Modular Group Seda Öztürk			Controlling Periodic Limit Cycles of Math Anxiety Sara Sony
15:45 - 16:00	☕ COFFEE BREAK											

Time (GMT +03:00)	3 JULY 2025												
16:00 - 16:45	CHAIR: GIANLUCA VINTI			PLENARY SPEAKER: FERENC WEISZ, <i>LEBESGUE POINTS AND SUMMABILITY OF HIGHER DIMENSIONAL FOURIER SERIES</i> (WEIERSTRASS HALL)									
16:45 - 17:00	☕ COFFEE BREAK												
17:00 - 17:15	WEIERSTRASS HALL Stanislav Harizanov	Power Series Statistical Relative Uniform Convergence of a Double Sequence of Functions at a Point and Approximation Results Sevda Yıldız		BANACH HALL POSTER SESSION	Evaluation of Lebesgue Constant with Admissible Meshes over Balls and Simplices Mateusz Suder			HILBERT HALL			GAUSS HALL Fırat Özsarac (zoom)	Exploring State-Measure Dynamics in Algebraic Logic Structures İbrahim Şentürk	
17:15 - 17:30		Approximation Properties of Neural Network and Sampling Kantorovich Operators in terms of Image Reconstruction Arianna Travaglini			Benchmarking Iterative Processes on Contractive Mappings with Numerical Applications Halil İbrahim Karaboğa							On the Complete Controllability of Fractional-Order Integrodifferential System Involving Generalized Conformable Derivatives Rola Masri	
17:30 - 17:45		Application of Wavelet Decomposition in Analyzing Railway Track Profile Irregularities Erdem Balcı			Julia Sets – Geometric and Potential-Theoretic Insights Przemysław Sprus							Commutator of Sharp Maximal Operator on Total Morrey Spaces Hamit Çağlar Çalışgan	
17:45 - 18:00					A Comparative Stability Analysis of Fixed Point Iterations Rümeysa Karaboğa							Non-instantaneous Impulsive Differential Equations with a Caputo Fractional Derivative with respect to Other Functions and Strict Stability Snezhana Hristova	
Analysis of Approximation Processes for Fuzzy Numbers via Truncated Max-Product Operators Sevilay Kirci Serenbay					Anti-Periodic Boundary Value Problems for Singular Fractional p -Laplacian Equations Mahir Hasansoy								
Comparison of Various Types of Inverse Soft Covering Upper Approximations Zehra Güzel Ergül					A Constructive Definition of the Riemann Integral on a Separable Banach Space Timothy Myers Timothy								
Calculation of Two-Center Coulomb Integrals over STOs in Nonlined-up Coordinate System Arif Aykin					Highly Efficient Computational Technique for Equal Width Equation Modelling Dispersive Waves Mehmet Ali Mersin								
					Existence and Monotonicity of Principal Eigenvalues for a Class of Fractional Boundary Value Problems Yulong Li								
18:00 - 18:15												A Study on (p, q) -Bernstein-Chlodowsky-Durrmeyer Operators: One and Two Variables Approximation Properties Ümit Karabyık	
				Hermite-Hadamard Inequality for (h, m) -Convex Functions via Variable Order Fractional Integrals: Theoretical Developments and Applications Abdüllatif Yalçın									
18:15 - 18:30													
18:30 - 18:45													
18:45 - 19:00													
19:00 - 19:15													
19:15 - 19:30													

Time (GMT +03:00)	4 JULY 2025											
09:00 - 09:45	CHAIR: FRANCESCO ALTOMARE			PLENARY SPEAKER: GIANLUCA VINTI, APPROXIMATION RESULTS FOR A GENERAL FAMILY OF NONLINEAR OPERATORS AND APPLICATIONS: A UNIFYING APPROACH (WEIERSTRASS HALL)								
09:45 - 10:00	☕ COFFEE BREAK											
10:00 - 10:15	WEIERSTRASS HALL	Roman Dmytryshyn	Hermite-type Sampling Operator Rosario Corso	BANACH HALL	Barkat Bhayo	$d(d^{-1})$ -Continuous Multi-valued Mappings and Some Fixed Point Results İrem Eroğlu	HILBERT HALL	Murat Bodur	An Inverse Problem for Pseudoparabolic Equation with Memory Term and Damping Aidos Shakir	GAUSS HALL	Firat Özarsaç (zoom)	Spectrum of the Operator $H(r, s, t, u, v)$ Defined on the Sequence Spaces l and bv_p Mustafa Cemil Bişgin
10:15 - 10:30			Generalized k -Lauricella Functions Yahya Çin			Optimal Recovery of Mappings based on Linear Information with the help of T-Splines in Banach Spaces Nataliia Parfinovych			A New Proof of the Girard-Fermat Theorem Seda Öztürk			Approximation Theorems via Statistical ψ -Convergence on $H_\infty(K)$ Selin Çınar
10:30 - 10:45			Fake Nodes Approach and Some Applications Stefano De Marchi			Integration of Modified Durrmayer-type Sampling Operators into Orlicz Spaces Osman Alagöz			On Three-Layer Conjugation Problem for the Heat Conduction Equation in a Rectangle Yue Congcong Yue			Convergence Properties for a New Version of the Mellin-Gauss-Weierstrass Operators Firat Özarsaç
10:45 - 11:00			Zero Divisors of Pythagorean Triples Raymond Calvin Ochieng			Solving Sequential Linear Fractional Differential Equations Using α -Trigonometric Functions Mussa Mohamed			Extended Semi-Parallel Tensor Product Surfaces in E_2^4 Aziz Yazla			Nonlinear Reduced Modeling for FitzHugh-Nagumo Equation: A Comparison of Kernel Functions Yusuf Çakır
11:00 - 11:15			A Numerical Approach Based on a Dimensionality Reduction Procedure for Approximating Multiple Integrals Mohamed Rahal			Solution of Split Equality Fixed Point Problem for finite family of Demigeneralized mappings Murtala Haruna Harbau			On Some Results Related to Positive Definite Matrices by means of Cauchy-Schwarz Inequality Mahmut Furkan Meniz			Parameter Estimation for Doubly Geometric Process with the Inverse Gaussian Distribution Gültaç Eroğlu İnan
11:15 - 11:25	☕ COFFEE BREAK											
11:25 - 12:10	CHAIR: STEFANO DE MARCHI			PLENARY SPEAKER: HARUN KARSLI, WAVELET-BASED APPROXIMATION OPERATORS:APPLICATIONS TO BIVARIATE FUNCTIONS AND DIGITAL IMAGE PROCESSING (WEIERSTRASS HALL)								
12:10 - 13:45	🍽️ LUNCH											
13:45 - 14:00	WEIERSTRASS HALL	Hüseyin Erhan Altın	Recent Advancements on Semi-discrete Sampling Operators in Sobolev-Orlicz Spaces Michele Piconi	BANACH HALL	Khompyskh Khonatbek	Approximation by Bivariate Modified Generalized Sampling Operators Samet Değil	HILBERT HALL	Yue Congcong Yue	Local Laplacian Equienergetic Graphs Cahit Dede	GAUSS HALL	Firat Özarsaç (zoom)	Commutator of Anisotropic Sharp Maximal Operator on Lorentz Spaces Necati Uyar
14:00 - 14:15			Convergence of Steklov Type Neural Network Operators Şerife Nur Karaman			On the Two-Layer Adjoint Problem for the Heat Conduction Equation in a Rectangle Ajaheer Gemingnuer			On the Least Squares and Weighted Least Squares Estimation Based on Ranked Set Sampling Tenzile Erbayram			Numerical Study and Convergence of a Finite Element Method for the Kazhikhov-Smagulov-Korteweg Pollution System Zongzo Gafarou
14:15 - 14:30			Squared Basis Operators Related to Modified Bessel Functions Monika Herzog			Continued Fractions in Solving Congruences and Diophantine Equations Büşra Karaca			Design Construction and Model Selection for Small Mixture-Process Variable Experiments with High-Dimensional Model Terms Chang-Yun Lin			An Alternative Method for Associated Curves in a Modified Orthogonal Frame Nurdan Ögraş
14:30 - 14:45			On the Approximation of the Lauricella-Saran's Hypergeometric Functions F_k and Their Ratios by Branched Continued Fractions Roman Dmytryshyn						S-index for the Burr X-Perks Distribution with Applications Şule Sağlam			Construction of New Curves on n -th Degree Polynomial-Type Curves Using the Fric Frame Esra Damar
14:45 - 15:00			Approximation Properties of a New Generalization of Brass-Stancu Operators in L_p -Spaces Murat Bodur						Some Basic Results of Eccentricity Sombor Index Havva Kirgiz			Commutator of Sharp Maximal Operator on Lorentz Spaces Sezgin Girginol
15:00 - 15:15									An Insight into Effects of Geography and Topography on the Urban Roadway Network Development of the Istanbul through Fractal Analysis Recep Bilal Sıkar			A Study of Fixed Points in Soft S -Metric Spaces via Hybrid-Interpolative Reich-Istratescu Type Mappings Hande Poşul
15:15 - 15:30												Korovkin Type Approximation Theorem via Statistical Relative Quasi Uniform Convergence Burçak Kolay
15:30 - 15:45												Spectral Analysis of the Impulsive Sturm-Liouville Equation with Quadratic Spectral Parameters and Matrix Coefficients Güler Başak Öznur
15:45 - 16:00												Stability and Solution of i -f-Hom-Der on Triple Banach Algebras Vahid Keshavarz
	SOCIAL EVENT: CITY TOUR-WHIRLING DERVISH PERFORMANCE-GALA DINNER / 15:30 (Dept. & Arriv. from/to Faculty of Science)											