

CONFERENCE PROGRAM

ICMME 2024 – Mathematics in Cappadocia in Memory of ALEV ALATLI

03.10.2024 THURSDAY 08.30-10.00	REGISTRATION NEVÜ VALİ ŞİNASI KUŞ CONGRESS AND CULTURE CENTER	
03.10.2024 THURSDAY	DAMAT İBRAHİM PAŞA HALL	
10.00-10.45	OPENING SERAMONI & MATDER LIFETIME SERVICE TO MATHEMATICS HONORARY AWARD CEREMONY	
11.00	EXHIBITION OPENING	
11.15-11.45	Invited Talk Chair: Abdulhamit KÜÇÜKASLAN Invited Speaker: Çetin ELMAS Title: <i>How will Artificial Intelligence Affect the Future?</i>	
<u>12.00</u>	<u>Lunch Break</u>	
13.00-13.30	Invited Talk Chair: Amiran GOGATISHVILI Invited Speaker: Sorina BARZA Title: <i>Norm Estimates of General Matrices Between Lebesgue Spaces</i>	
<u>13.30</u>	<u>Coffee Break</u>	
13.40-15.20		Applied Mathematics
	Chair	Mehmet ÜNVER
	Authors	Title
	Ali Sercan KARAKAŞ Nuri Murat YAĞMURLU	<i>A Fresh Look to Numerical Solution of a Model Problem by Hermite Galerkin Method</i>
	Nihal YOKUŞ Esra KIR ARPAT	<i>On the spectrum of a finite system of Klein-Gordon s-wave equations</i>
	Esra PEKÖNÜR Mutlu AKAR	<i>Exact Solutions of Fractional Biswas-Milovic Equation Using the Sardar Sub-equation Method</i>
	Sevilay ERDOĞAN TUTAM Mutlu AKAR	<i>A Novel Method for Exact Solutions of the Generalized Huxley-Burgers' Family</i>
03.10.2024 THURSDAY	KARAVEZİR HALL	
13.40-15.20		Mathematics Education
	Chair	Solmaz Damla GEDİK ALTUN
	Authors	Title
	Rahmet SAVAŞ Yasemin KAPLAN BENK	<i>The Application of the Computational Sciences on Stem Education</i>
	Tuğba SADAK Atilla ÖZDEMİR	<i>Teacher Perspectives on the Implementation Process of Secondary School Mathematics Curriculum</i>

	Aliye Beyza VERGİSİZ	
	Aliye Beyza VERGİSİZ Atilla ÖZDEMİR Tuğba SADAK	<i>Mathematics Teaching in the Digital Age: Preservice Teachers' Perspectives on Artificial Intelligence and Digital Platforms</i>
	Ayten Öykü YAŞAR Deniz KAYA	<i>The Evaluation of Turkish Century Education Model within Digital Literacy Framework</i>
	Ayten Öykü YAŞAR Deniz KAYA İbrahim ÇETİN	<i>Mathematical Connections: Evaluation of Activities Designed by Preservice Elementary Mathematics Teachers Using Different Themes</i>
03.10.2024 THURSDAY	MUSTAFA HAYRİ HALL	
13.40-15.20		Computer Science & Algebra
	Chair	Sezer SORGUN
	Authors	Title
	Burçak ASAL Saadin OYUCU	<i>Voice Cloning for Turkish Speech: High-Fidelity Voice Synthesis Using Deep Learning Techniques</i>
	Tuğba GÖRESİM TOSKA	<i>The Power of Software in Big Data:Diabetes Analysis and Prediction</i>
	Sibel Şehriban ATAŞ	<i>Optical solutions for Fokas system in optical fiber</i>
	Ceren Sıla GÖMELİ M. Tamer KOŞAN	<i>Dual Nil-Clean, Un and Unit-Regular Elements in Certain Subrings of $M_2(\mathbb{Z})$</i>
	Ali Gökhan ERTAŞ Sezer SORGUN	<i>On Wiener Indices of Circular Graphs</i>
03.10.2024 THURSDAY	GÜLŞEHİRİ HALL	
13.40-15.20		Analysis
	Chair	İsmail EKİNCİOĞLU
	Authors	Title
	Aslan BAHTİYAR Osman ALTINTAŞ	<i>On the Convexity and Starlikeness of Certain Subclasses of Analytic Functions</i>
	Kendal DORAK Fatih DERİNGÖZ Vagif S. GULİYEV	<i>The Riesz Potential in Musielak-Orlicz-Morrey Spaces</i>
	Abdulhamit KÜÇÜKASLAN	<i>Superposition of $(X, X; 1, 1, \infty)$-admissible Hardy-Littlewood Maximal Operator on Generalized Morrey-Banach Spaces</i>
	Rauf AMİROV	<i>On the Inverse Nodal Problems for Sturm-Liouville Operators</i>
	Çağla SEKİN Slava İSMAİLOVA İlham ALİYEV	<i>On the Behavior of Bi-parametric Potential-type Operators in Lebesgue Spaces</i>

15.20	Coffee Break	
03.10.2024 THURSDAY	DAMAT İBRAHİM PAŞA HALL	
15.30-16.00	Invited Talk Chair: Ainur TEMİRHANOVA Invited Speaker: Lyoubomira SOFTOVA Title: <i>Higher order elliptic equations in weighted Banach spaces</i>	
16.00	Coffee Break	
16.10-17.50		Applied Mathematics
	Chair	Şenol KARTAL
	Authors	Title
	Hatice KARAKAYA Ercan BALCI	<i>Dynamical Analysis of a Prey-Predator Model Including Fear, Its Carry-Over Effect and Allee Effect with Memory Effect</i>
	Ercan BALCI	<i>A Fractional Prey-Predator Model with Functional Carrying Capacity</i>
	Şerife Müge EGE	<i>Exploring Traveling Wave Solutions: Semi-Analytical Approaches</i>
	Tuğba MERT Mehmet ATÇEKEN	<i>Lorent Para-Kenmotsu Manifolds Admitting η-ricci Bourguignon Solitons</i>
Gamze GÜNGÖR Yasin YAZLIK	<i>Dynamics of a Three-Dimensional System of Difference Equations with Exponents</i>	
03.10.2024 THURSDAY	KARAVEZİR HALL	
16.10-17.50		Computer Science & Algebra
	Chair	Naim TUĞLU
	Authors	Title
	Güliden KAPUSUZ Nurullah YILMAZ Ahmet ŞAHİNER	<i>Smoothing Conjugate Gradient Method Associated with New Generation Techniques to Solve Image Restoration Problems</i>
	Sude Sıla EKİNCİ Naim TUĞLU Miraç Çetin KESKİN	<i>q-Analogues of Some Leonardo Polynomials</i>
	Hüseyin KÜÇÜKERDEM Cemal YILMAZ Vefa MAHARRAMOVA Günay ALİYEVA	<i>Creating a Model for Improving the Effectiveness of Foreign Language Education with Artificial Intelligence</i>
	Sümeyye KARATAŞ Aynur YALÇINER	<i>The Degree of M-ambiguity of the Parikh Matrix</i>
Ayşe GÖRGÜN Feyza DİNÇER	<i>Using Artificial Neural Networks in Evaluating Biometric Data in Paleontology</i>	

03.10.2024 THURSDAY	MUSTAFA HAYRİ HALL	
16.10-17.50		Applied Mathematics
	Chair	Rahmet SAVAŞ
	Authors	Title
	<u>Cahit KÖME</u>	<i>Nonlinear Dynamics of a Discrete Leslie Type Predator-Prey System with Prey Harvesting</i>
	<u>Sure KÖME</u> Eren Volkan DİVARCI	<i>Some Identities of the Generalized Higher Order Fibonacci and Lucas Polynomials</i>
	<u>Oktaç ŞAHİN</u> Seydi Battal Gazi KARAKOÇ	<i>Numerical Investigations of the Gilson-Pickering Equation with Septic B-spline Functions</i>
	<u>Elvan KORMAZ USTA</u> Serdar SOYLU	<i>Optimization of Some Special Curves by Gradient Descent Method</i>
	<u>Hatice MUTİ</u> Hüseyin DEMİR	<i>Application of Laplace Transforms in Cryptographic Technique with Bessel Function</i>
03.10.2024 THURSDAY	GÜLŞEHİRİ HALL	
16.10-17.50		Algebra & Applied Mathematics
	Chair	Saadın OYUCU
	Authors	Title
	<u>Orhan DİŞKAYA</u>	<i>On Iterative Relations in Pell Subscripts</i>
	<u>Şeyhmus TARHAN</u> Ayşe Dilek MADEN	<i>On the spectrum and energy of normalized Seidel Laplacian matrix</i>
	<u>Hasan GÖKBAŞ</u>	<i>A New Member of the Pell Sequences: The Pseudo-Pell Sequence</i>
	<u>Cahit DEDE</u>	<i>Laplacian Spectrum of Some Special Graphs</i>
	<u>Reyyan Nur GÖKTAŞ</u> Güner TOPCU Kemal AYDIN	<i>On the Sensitivity of Schur Stability of Some Discrete-time Mathematical Models</i>
18.00	Dinner	

04.10.2024 FRIDAY	DAMAT İBRAHİM PAŞA HALL	
09.30-10.00	Invited Talk	
	Chair:	Sorina BARZA
	Invited Speaker:	Jehad ALZABUT
	Title:	<i>Existence and Ulam Stability Results of Tempered (κ, ψ)-Hilfer Fractional Differential Problems in Banach Spaces</i>
10.00	Coffee Break	
		Analysis
	Chair	Hüseyin YILDIRIM
	Authors	Title

10.10-11.30	<u>Murat BODUR</u>	<i>Integral Generalization of Brass-Stancu Operators</i>
	<u>Sevil AYKANAT</u> Emre TAŞ	<i>Some Approximation Results for Nonlinear Operators in Modular Space</i>
	<u>Tuba KAYSI</u> Serdar AY Ferihe ATALAN	<i>A Survey on Reproducing Kernel Hilbert spaces</i>
	<u>İsmail EKİNCİOĞLU</u> Cansu KESKİN	<i>On New Estimates for the B-Riesz transform</i>
04.10.2024 FRIDAY	KARAVEZİR HALL	
10.10-11.30		Applied Mathematics
	Chair	Fatma AYZAZ
	Authors	Title
	<u>Aytekin ENVER</u> Fatma AYZAZ	<i>Steady State Solution and Its Stability Analysis of a Reaction-Diffusion Mathematical Model for LDL, Lipoprotein(a), and CRP in Atherosclerosis</i>
	<u>Kübra HEREDAĞ</u> Fatma AYZAZ	<i>Stability and Numerical Analysis of Magnetohydrodynamic (MHD) Flow with Fractional Derivatives in Porous Media</i>
	<u>Osman TOPAN</u> Yasin YAZLIK Sevda ATPINAR	<i>Boundedness and Dynamical Behavior of the Solutions of a Fuzzy Difference Equations System with Higher-Order</i>
	<u>Özlem HAKLI</u> Gülay KORU YÜCEKAYA	<i>On Split Quaternions</i>
04.10.2024 FRIDAY	MUSTAFA HAYRİ HALL	
10.10-11.30		Applied Mathematics
	Chair	Bülent KARAKAŞ
	Authors	Title
	<u>İnci ÇİLİNGİR SÜNGÜ</u> Hüseyin DEMİR İbrahim KELEŞ	<i>Transient Heat Transmission of Functionally Graded Longitudinal Fin Using Lines Approximation Method</i>
	<u>İnci ÇİLİNGİR SÜNGÜ</u> Hüseyin DEMİR İbrahim KELEŞ Hatice MUTİ	<i>Free Convective Flow in a Vertical Cylinder with Constant Mass Transfer And Heat Flux</i>
	<u>Emre AYDIN</u> İnci ÇİLİNGİR SÜNGÜ	<i>On Semi-Analytical Solutions of Variable-Order Nonlinear Volterra and Fredholm Integro-Differential Equations</i>
<u>Funda TÜRK</u> Aslı ALKAN Hasan BULUT	<i>The Novel Study for Solving the Some Nonlinear Fractional Partial Differential Equations</i>	
04.10.2024 FRIDAY	GÜLŞEHRİ HALL	
10.10-11.30		Applied Mathematics
	Chair	Hatice MUTİ
	Authors	Title
	<u>Bahatdin DAŞBAŞI</u>	<i>Analysis of Selected Factors on Construction Finance Index with Artificial Neural Networks and Their ODE Model</i>

	Bahatdin DAŞBAŞI Teslima DAŞBAŞI	<i>Fractional-Order Model with Holling Type-2 Functional Response of the Post-Disaster Period: Study for 2023 Elbistan Earthquake</i>
	Erbil ÇETİN Fercan FİLİZ	<i>Existence of Solutions for a Fractional Derivative Boundary Value Problem with Integral and Multi-point Boundary Conditions</i>
	Ömer AKIN Harun BALDEMİR	<i>Modeling Epidemic Dynamics: Routh-Hurwitz Stability and Bifurcation Analysis in an Asymptomatic Compartmental Model</i>
11.30	Coffee Break	
04.10.2024 FRIDAY	DAMAT İBRAHİM PAŞA HALL	
11.40-12.10	Invited Talk Chair: Lyoubomira SOFTOVA Invited Speaker: Mehmet ATÇEKEN Title: <i>Emergence and Development of Manifold Concept</i>	
12.10	Lunch Break	
13.30-14.00	Invited Talk Chair: Mehmet ŞENOL Invited Speaker: Şafak URAL Title: <i>Solipsism and Mathematics</i>	
14.00	Coffee Break	
14.10-15.50		Analysis & Applied Mathematics
	Chair	Seydi Battal Gazi KARAKOÇ
	Authors	Title
	Sümeyye ERMEYDAN ÇİRİŞ Hüseyin YILDIRIM	<i>Some Special Inequality and Applications for m-Earthquake Convex Function</i>
	Umut BAŞ Hüseyin BUDAK Hüseyin YILDIRIM	<i>Hermite-Hadamard Inequalities for Conformable Fractional Integrals</i>
	Hale BOLAT Abdullah AKKURT Hüseyin YILDIRIM	<i>A Hermite-Hadamard and Ostrowski type Inequalities via (m, n)-Exponential type Convex Functions with Applications</i>
	Mehmet ASLAN Seydi Battal Gazi KARAKOÇ	<i>A Collocation Method for the Numerical Solutions of the Generalized Oskolkov Equation</i>
	Hatice Ceyda TÜRK Mehmet ŞENOL Ulviye DEMİRBİLEK	<i>Analytical Study on a New Conformable (3+1)-dimensional Extended Korteweg-de Vries Equation</i>
04.10.2024 FRIDAY	KARAVEZİR HALL	
		Computer Science & Algebra
	Chair	Nurettin DOĞAN
	Authors	Title

14.10-15.30	<u>Furkan ÜSTÜNŞOY</u> Sadık YILDIZ Hasan Hüseyin SAYAN	<i>Anomaly Detection in Computer Networks with Machine Learning Methods</i>
	<u>Mehmet MERAL</u> Hasan Hüseyin SAYAN	<i>A Blockchain-Based Approach to Enhancing Transparency and Accountability in Cyber Security Incident Response and Digital Forensics</i>
	<u>Orhan ŞAHİN</u> Hasan Hüseyin SAYAN	<i>Biometric Data Systems and Cybersecurity</i>
	<u>Nurettin IRMAK</u>	<i>Writing the Product of Consecutive Lucas Numbers as Repdigits</i>
04.10.2024 FRIDAY	MUSTAFA HAYRİ HALL	
14.10-15.50		Geometry & Topology
	Chair	Beyhan YILMAZ
	Authors	Title
	<u>Aykut HAS</u> Beyhan YILMAZ	<i>Multiplicative Partner Curve in $E_{-}^*^3$</i>
	<u>Mert ÇARBOĞA</u> Yusuf YAYLI	<i>Umbrella Matrices in Galilean Space</i>
	<u>Serdar SOYLU</u> Elvan KORKMAZ USTA	<i>The Application of the Principle of Least Action to the Some Special Curve Types Under the Inverse Motion</i>
	<u>Serdar SOYLU</u> Asiye GENÇ	<i>The Kinematics of Some Curves in Galilean Geometry</i>
<u>Kubilay YAŞAR</u> Zehra GÜZEL ERGÜL	<i>New Kinds of Soft Covering Based Rough Sets via the Concept of Soft Maximal Description</i>	
04.10.2024 FRIDAY	GÜLŞEHRİ HALL	
14.10-15.50		Algebra & Topology
	Chair	Zarife ZARARSIZ
	Authors	Title
	<u>Ahmet KAYA</u> Hayrullah ÖZİMAMOĞLU	<i>Cholesky Factorization of the Pell-Lucas Matrix</i>
	<u>Ahmet KAYA</u> Hayrullah ÖZİMAMOĞLU	<i>A New Generalization of the Gaussian k-Pell Numbers and Their Polynomials</i>
	<u>Ece TÜRKOĞLU</u> Hayrullah ÖZİMAMOĞLU	<i>On Horadam Finite Operator Bicomplex Numbers</i>
<u>Samed ÖZKAN</u>	<i>Separation Properties at p for Interval Spaces</i>	
<u>Samed ÖZKAN</u>	<i>Closed and Strongly Closed Quantale-valued Reflexive Spaces</i>	
15.50	Coffee Break	
04.10.2024 FRIDAY	DAMAT İBRAHİM PAŞA HALL	

16.00-16.30	Invited Talk Chair: Hasan Hüseyin SAYAN Invited Speaker: Veli TOPTAŞ Title: <i>Türkiye Century Education Model and Primary School Mathematics Curriculum</i>	
16.30	Coffee Break	
16.40-18.20		Geometry & Mathematics Education
	Chair	Gülay KORU YÜCEKAYA
	Authors	Title
	<u>Bülent KARAKAŞ</u> Şenay BAYDAŞ	<i>Agnesi Curve in Lorentz Minkowski Plane</i>
	<u>Vildan ÖZDEMİR</u> Gülay KORU YÜCEKAYA	<i>Computation and Visualization of Involute and Evolute Curves in Euclidean Space Using Python</i>
	<u>Fatmagül SAKLAVCI</u>	<i>Geometry and Mathematics in Traditional Turkish Handicrafts</i>
	<u>Beyhan ŞENER ÖZTÜRK</u>	<i>The Importance of the Philosophical Justification of Mathematical Equality for Mathematics Education: A Study on the Philosophy of Mathematics Education</i>
	<u>Şenay BAYDAŞ</u> Bülent KARAKAŞ	<i>Agnesi Surfaces</i>
04.10.2024 FRIDAY	KARAVEZİR HALL	
16.40-18.20		Applied Mathematics & Mathematics Education
	Chair	İnci ÇİLİNGİR SÜNGÜ
	Authors	Title
	<u>Nilüfer TOPSAKAL</u> Figen KANGALGİL	<i>Stability and Bifurcation Analysis of Discrete Time Predator-Prey Population Model</i>
	<u>Belma TÜRKER BİBER</u>	<i>A Review of the Literature on Dyscalculia in Turkey</i>
	<u>Sıla Selenay KOÇ</u> Ayhan AYDIN	<i>A Mass Conservation Numerical Method for the Nonlinear Cubic Schrodinger Equation</i>
	<u>Hasan BULUT</u> Esin İLHAN Tolga AKTÜRK	<i>Analysis of the Travelling Wave Solutions of the Estevez-Mansfield-Clarkson Equation</i>
	<u>Emine FAZLI</u> Bekir FAZLI Hasan ÜNAL	<i>Classroom Reflections on Implementing the New Mathematics Curriculum: Opportunities and Challenges</i>
04.10.2024 FRIDAY	MUSTAFA HAYRİ HALL	
16.40-18.20		Mathematics Education
	Chair	Nihal YOKUŞ
	Authors	Title
	<u>Hasan TEMEL</u> Enes Fatih EGE	<i>Trends in Studies Conducted in Out-of-School Learning Environments in Mathematics Education: A Systematic Compilation Study</i>

	Yusuf CAN Esra AKSOY Serkan NARLI	<i>Educational Mathematics Mobile Applications (EMMA): Mathematics Teachers' Opinions After the TUBITAK 4005</i>
	Esra AKSOY Mehmet Akif AKSOY	<i>A Fuzzy Multi-Criteria Decision-Making Method Application: The Case of an Educational Mobile Mathematics Application</i>
	İpek Deveci KOCAKOÇ Mehmet Akif AKSOY	<i>System Dynamics Approach in Predicting Students' Mathematics Achievement: The Case of PISA</i>
	Tuğba GÖRESİM TOSKA	<i>Software Approaches To Mathematics</i>
04.10.2024 FRIDAY	GÜLŞEHİRİ HALL	
		Mathematics Education
	Chair	Deniz KAYA
	Authors	Title
16.40-18.00	Gülşah Saltık AYHANÖZ Solmaz Damla GEDİK ALTUN	<i>Student Opinions on the Digital Story Preparation Process</i>
	Kamil SARIKAYA Çiğdem İNCİ KUZU Ayça EMNİYET	<i>The Effect of Schematic Representation Formed Problem Solving Activities Conducted with Primary School Second Grade Students on Their Problem Solving Skills</i>
	Funda SARIKAYA Çiğdem İNCİ KUZU Ayça EMNİYET Kamil SARIKAYA	<i>A Research on the Basis of Mathematics Anxiety of Middle School Students</i>
	Zekiye MORKOYUNLU	<i>Investigation of Mathematical Reasoning Self-Efficacy and Geometric Thinking Habits of Middle School Mathematics Teacher Candidates</i>
18.00	<u>Dinner</u>	

05.10.2024 tarihindeki bildiri sunumları Kapadokya Üniversitesi Mustafapaşa Yerleşkesi Oktay Sinanoğlu Binası Zemin Katında gerçekleştirilecektir.

Presentations on **05.10.2024** will be held at the Cappadocia University Mustafapaşa Campus Oktay Sinanoğlu Building Ground Floor.

05.10.2024 SATURDAY	OKTAY SİNANOĞLU CONFERENCE HALL	
09.30-10.00	Invited Talk	
	Chair: Ömer AKIN Invited Speaker: İlhan ÖZTÜRK Title: <i>Alev Alıtlı and Mathematics</i>	
10.00	<u>Coffee Break</u>	
05.10.2024 SATURDAY	CEMİL MERİÇ HALL	
		Analysis

10.10-11.50	Chair	Osman ALTINTAŞ
	Authors	Title
	Zeynep YÜCEDAĞ Yasemin BAŞCI	<i>Mohand Transform and Hyers-Ulam Stability of Fractional Linear Differential Equation Involving Riemann-Liouville Fractional Derivative</i>
	Esra KAYA Canay AYKOL	<i>B-fractional Maximal Operator in the B-local Morrey-Lorentz Spaces</i>
	<u>Esra YOLAÇAN</u>	<i>Convergence Theorems of New Iterative Scheme for Nonexpansive Mappings in Banach Space</i>
	<u>Azhar ABEK</u>	<i>On Optimal Embedding of the Space of Seneralized Fractional-Maximal Functions in Rearrangement-Invariant Spaces</i>
<u>Azhar ABEK</u> Amiran GOGATISHVILI Tuğçe ÜNVER	<i>On the Characterization of Weighted Inequalities for Some Quasilinear Operators</i>	
05.10.2024 SATURDAY	KEMAL TAHİR HALL	
10.10-12.10		Computer Science & Analysis
	Chair	Hasan BULUT
	Authors	Title
	<u>Büşra MENİZ</u> Deniz ALTUN	<i>Evaluating the Video Communication Platforms with Fuzzy Linguistic based Mathematical Analysis</i>
	<u>Deniz ALTUN</u> Büşra MENİZ	<i>Comparative Analysis of Interpolation Methods</i>
	<u>Nazerke ZHANGABERGE OVA</u> Ainur TEMİRHANOVA	<i>Weighted Inequalities for Bilinear Discrete Hardy Operator with a Matrix</i>
	R. OİNAROV <u>Ainur TEMİRHANOVA</u> A. BESZHANOVA	<i>Weighted Norm Inequalities for Matrix Operators with $1 < q < p < \infty$</i>
	<u>Akbota ABYLAYEVA</u> Alisher OTEGEN	<i>Compactness of the Weyl type operator for $p \leq q$</i>
<u>Madi MURATBEKOV</u> Mussakan MURATBEKOV	<i>Estimates of Approximation Numbers and Completeness of Root Vectors of a Singular Operator Generated by the linear Part of the Korteweg-de Vries Operator</i>	
05.10.2024 SATURDAY	ŞEVKET SÜREYYA AYDEMİR HALL	
		Topology & Geometry
Chair	Şenay BAYDAŞ	
Authors	Title	
<u>Ayşe Nur TUNÇ</u> Sena ÖZEN YILDIRIM	<i>Some Set Operators in terms of Local Closure Function and The Operator Ψ_Γ</i>	

10.10-11.50	<u>Şule ŞAHİN</u> Safure BULUT	<i>Exploration of Misconceptions of Mathematics Major Students About the Topological Space Concept</i>
	<u>Nazlı Makbule POLAT ÖZ</u> Burcu NİŞANCI TÜRKMEN	<i>Zariski Topology on S-n-Hyperideals</i>
	<u>Yaren MÜNÜSOĞLU</u> Ferhan ŞOLA ERDURAN Sümeyye ÇELİK	<i>Topological Approach in Different Branches of Science</i>
05.10.2024 SATURDAY	VECİHİ HÜRKUŞ HALL	
10.10-11.50		Applied Mathematics & Analysis
	Chair	Abdulhamit KÜÇÜKASLAN
	Authors	Title
	<u>Gamze KIRATLI</u> Mutlu AKAR	<i>Exact Solutions of the Fractional Benjamin-Ono Equation Using Jacobi Elliptic Functions</i>
	<u>Tuğçe ÖZÇELİK</u> Yasemin BAŞCI	<i>Research Results Dinesh Verma Transform and Hyers-Ulam Stability of Fractional Linear Differential Equation Involving Caputo Fractional Derivative</i>
	<u>Agnur KAIRATKYZY</u> Lyailya ZHAPSARBAYEVA	<i>Analysis of Some Partial Differential Equation as a Model of Nonlinear Oscillation</i>
	<u>Amiran GOGATISHVILI</u>	<i>New Results for the Weighted Hardy Inequality Inequalities Involving Weak Riesz-Fischer Functionals</i>
<u>Farah Alissa BINTI MISLAR</u> Lyoubomira SOFTOVA Paola CAVALIERE	<i>The Some Classical Operators on Vanishing Morrey Spaces with Mixed Homogeneity</i>	
05.10.2024 SATURDAY	ERTUĞRUL ŞEHİTLERİ AND TORAJİRO YAMADA HALL	
10.10-12.10		Algebra & Applied Mathematics & Mathematics Education
	Chair	Zekiye MORKOYUNLU
	Authors	Title
	<u>Aladdin J. NAJI</u> (Online)	<i>Article Tripartite Number Set (Space Numbers): Birth of New Number Set/ New concept to Infinity & Math Limits</i>
	<u>Robiatul ADAWIYAH</u> Leny Anggraini WĪJAYA Arif FATAHILLAH <u>Arika Indah KRISTIANA</u> Saddam HUSSEN	<i>The Analysis of Effectiveness and Practicality of Exponential Function Learning Media Assisted by Desmos Integrated with TPACK</i>

	<u>Susi SETIAWANI</u> Rafiantika Megahnia PRIHANDINI	<i>Analysis of the Implementation of the Independent Learning Curriculum (MBKM) on Improving Creativity and Problem-Solving Skills of Mathematics Education Students</i>
	<u>Susi SETIAWANI</u> Rafiantika Megahnia PRIHANDINI Aulia Azizah MAHARANI	<i>Analysis of Students' Computational Thinking Ability Using "Smart Fraction" Learning Media</i>
	<u>Bagyzhan BAGYMKYZY</u> Lyailya ZHAPSARBAYEVA	<i>Analytical and Numerical Solutions of Nonlinear Differential Equations Based on Power-Law Model</i>
	<u>Merve TAŞTAN TEKİN</u>	<i>Gaussian-Hybrid Numbers Obtained from Padovan and Jacobsthal-Padovan Numbers</i>
05.10.2024 SATURDAY	FUAT SEZGİN HALL	
10.10-12.10		Applied Mathematics & Analysis
	Chair	Nilüfer TOPSAKAL
	Authors	Title
	<u>Sanjeev KUMAR</u> Rashmi SHARMA	<i>A Rigorous Mathematical Analysis to Explore the Density of Tumour Cells and Immune Response (TNF)</i>
	<u>Assia SENOUCI</u> Sarrah SENOUCI	<i>The Stability and Modified Projective Synchronization of a Novel 5D Hyper-Chaotic System's of Fractional Order</i>
	<u>Erkebulan MOLDAGALI</u> Kordan OSpanov	<i>On the Smoothness of Solutions to Fourth-Order Singular Differential Equation</i>
	<u>Raya AKMETKALIYEVA</u>	<i>Coercive Solvability of the Fifth Order Singular Differential Equation</i>
	<u>Sabina H. KASUMOVA</u> (online)	<i>Boundedness B-fractional Maximal Operator in the Local Complementary Generalized B-Morrey Spaces</i>
	<u>Carmen-Adina OANCEA</u> Onorita Elena BUICAN (online)	<i>Examples of Good Practices in Teaching Mathematics for Middle School Performance and Competitions</i>
12.00	EVALUATIONS & CLOSING &	

	<p>LUNCH BREAK & TOUR</p>
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