4th INTERNATIONAL CONFERENCE ON MATHEMATICS
"An Istanbul Meeting for World Mathematicians"
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This conference is dedicated to 67th birthday of Prof. M. Mursaleen

4th International Conference on Mathematics*
"An Istanbul Meeting for World Mathematicians"

ICOM 2020 Conference Programme
Editor Kenan Yıldırım

***Online conference due to pandemic**

ICOM 2020
ISTANBUL / TURKEY

ICOM 2020 Conference Presentations Programme	
27 OCTOBER 2020-ROOM A/Math and STEM Education, Mathematics in Other Areas, Probability and Statistics	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Saliha Demirbüken**, Extension of Leap Condition in Approximate Stochatic Simulation Algorithms of Biological Networks
13.10-13.20	**Nurşah Çevik**, Authentication and Anomaly Detection System based on Behavioral Biometrics
13.20-13.30	**Ahmet Batal**, Odd dominating sets and parity of their cardinality
13.30-13.40	**Ahmet Batal**, Some results on the Lights out game using the activation numbers of vertices
13.40-13.50	**Bahatdin Daşbaşı**, Stability Analysis of the Fractional-Order SEIR Model with the Different Infected Rates of Individuals as Exposed and Infected
13.50-14.00	**Tuğçe Aydın**, Configurations of SDM Methods Proposed between 1999 and 2012: A Follow-up Study
14.00-14.10	**Anıl Burcu Özyurt Serim**, The Effect of Social Media in the Assesment of Fear Covid19 and Mathematics Anxiety on Undergraduates
14.10-14.20	**Duygu Varol**, Analyzing Divorce in Turkey by Using 2016 TBNA Survey Data
14.20-14.30	**Vilda Purutçuoğlu,** Extension of Leap Condition in Approximate Stochatic Simulation Algorithms of Biological Networks
14.30-14.40	**Hande Günay Akdemir**, An Explicit Order 2 Scheme for the Strong Approximation of Stratonovich Stochastic Differential Equations

	with Scalar Noise
14.40-14.50	**Hasan Bayram**, Applications Of A Pascal Distribution Series On The Certain Subclasses Of Analytic Functions
14.50-15.00	**Hasan Bayram** Class of Multivalent Harmonic Convex Functions Defined by Subordination
15.00-15.10	**Birgul Damla Baber Elbistan**, The Relationship Between Mathematical Problem-Solving and Planning Ability
15.10-15.20	**Birgul Damla Baber Elbistan**, Arithmetic Development in Problem-Solving Among Primary and Secondary School Age Children
15.20-15.30	**Oylum Çavdar**, Determining the Relation Between Reasoning Skills and Critical Thinking Disposition of Pre-Service Science Teachers
15.30-15.40	**Robert Kosova,** Teaching Mathematics through coding and programming. Programming with students during math lessons
15.40-15.50	**Robert Kosova,** Evaluation of family tourism services in the old quarters of Berat, Albania, using AHP and VIKOR
15.50-16.00	**Laxman Saha,** A study on Radio Number of AVL trees
16.00-16.10	**Laxman Saha,** Optimal fault-tolerant resolving set of 4-th power of paths
16.10-16.20	**Safia Leulmi,** Local linear estimation of the conditional quantile for functional and α-mixing data

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM B/Applied Mathematics	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Güler Gürüz,** A Numerical Approach to the Two Different Forms of Modified Kawahara Equation via SSP-RK43-Differential Quadrature Method
13.10-13.20	**Amin Tabatabaei**, Computational modeling of turbulent fluid flow and comparison with experimental data
13.20-13.30	**Seval Işık,** Bifurcation Analysis of a Leslie-Gower Model Including Allee Effect
13.30-13.40	**Ali Sırma,** A Single Step Second Order of Accuracy Difference Scheme for the Nonlocal Boundary Value Schrödinger Problem
13.40-13.50	**Ali Sırma,** Numerical discretization of stochastic oscillators with generalized numerical integrators
13.50-14.00	**Erkan Taşdemir,** Periodic Solutions and Stability of a Fifth Order Difference Equation
14.00-14.10	**Tahir Ceylan,** Different Solution Method for Fuzzy Boundary Value Problem with Fuzzy Parameter
14.10-14.20	**Sergey Borisenok,** Quantum Batteries Driven via Feedback Algorithms
14.20-14.30	**Sergey Borisenok,** Controlled Hodgkin-Huxley Neuron vs Controlled Qubit: Pros and Cons of Their Applications
14.30-14.40	**Neslihan Ozdemir,** On the Approximation of Partial Differential Equations using the Three-Step Wavelet Galerkin Method

14.40-14.50	**Esma Ateş,** Exact Solutions of Perturbed Gerdjikov-Ivanov Equation
14.50-15.00	**Mahmut Modanlı,** Exact and Numerical solution for Pseudo- Parabolic Differential Equation Defined by Atangana-Baleanu Fracional Derivative
15.0015.10	**Mahmut Modanlı,** Laplace Transform Collocation Method for Fractional order Pseudo-Hyperbolic Differential Equation
15.10-15.20	**Yeşim Sağlam Özkan**, An investigation of exact traveling wave solutions of the nonlinear partial differential equation arising in plasma physics using two different methods
15.20-15.30	**Fulya Yoruk Deren,** Analysis of Fractional Differential Equations with Integral Boundary Conditions
15.30-15.40	**Leonard Bezati,** Effects of water waves. Study of water wave breaking through equations and experiments
15.40-15.50	**Aurora Simoni**, An Evaluatıon Of The Albanıan Electrıcıty Market Through Optımızatıon Models
15.50-16.00	**Selçuk Meriç Köstekçi**, A New Approximate Stochastic Simulation Algorithm for Biochemical Systems

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM C/Applied Mathematics	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Hayriye Bozburun,** Solution of Linear Volterra Integral Equations of Second Kind Using Shehu Transform
13.10-13.20	**Hayriye Bozburun,** Solution of Linear Volterra Integro-Differential Equations of Second Kind Using Shehu Transform
13.20-13.30	**Burcu Gürbüz,** A Numerical Approach to Solution of Nonlinear Riccati Differential Equation
13.30-13.40	**Burcu Gürbüz,** A Numerical Investigation on A Neural Field Model
13.40-13.50	**Seda Igret Araz,** Numerical simulation for some chaotic attractors with fractional differential operators
13.50-14.00	**İbrahim Adalar** , Ambarzumyan's theorem with eigenparameter in the boundary conditions on closed sets
14.00-14.10	**Saoudi Ahmed**, A variation of uncertainty principles for the Weinstein operator
14.10-14.20	**Seda Göktepe Körpeoğlu,** On the Optimal Control of An Isotropic Beam
14.20-14.30	**Mahmoud Behroozifar**, Numerical investigation of fractional sine-Gordon equation
14.30-14.40	**Musa Kasım Ağca**, The solution of Linear First Order Stiff Differential Equations by applying haar Wavelet Collocation Method
14.40-14.50	**Gülnaz Boruzanlı**, Ekinci On the Reliability of Some Regular Graphs
14.50-15.00	**Mehtap Lafcı Büyükkahraman,** On Oscillation

	of Nonlinear Impulsive Differential Equations System with Piecewise Constant Mixed Arguments
15.0015.10	**Hazal Yüksekkaya**, Local Existence of Solutions for a p-Laplacian Type Equation with Delay Term and Logarithmic Nonlinearity
15.10-15.20	**Hazal Yüksekkaya**, Blow up of Solution for a Viscoelastic Wave Equation with m-Laplacian and Delay Terms
15.20-15.30	**Mehmet Fatih Karaaslan,** A stability and existence-uniqueness results for the system of fractional order mathematical model of COVID-19 disease
15.30-15.40	**Elif Başkaya,** On the Gaps of Neumann Eigenvalues for Hill' s Equation with Symmetric Double Well Potential
15.40-15.50	**Elif Başkaya,** The Bounds for the Length Between Dirichlet and the Semi-Periodic Eigenvalues of Hill's Equation with Symmetric Single Well Potential
15.50-16.00	**Gülden Gün Polat,** Prelle-Singer Procedure for the Mathematical Model of HIV Transmission

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM D/Applied Mathematics	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Ulviye Demirbilek,** New Exact Solutions For Conformable Fractional Equations Via IBSEFM
13.10-13.20	**Ulviye Demirbilek,** Asymptotic Formulas of Eigenvalues and Eigenfunctions of a Boundary Value Problem

13.20-13.30	**Marwan Alquran**, New shock-wave and periodic-wave solutions for some physical models: Vakhnenko-Parkes, GEWB and GRLW equations
13.30-13.40	**Markela Muca** Comparing the efficiency of hierarchical cluster algorithms
13.40-13.50	**Besiana Çobani**, Evaluation on the parameters of PSO algorithm using analytic tools.
13.50-14.00	**Shkelqim Hajrulla**, Mathematical description and approximation for the water wave equation
14.00-14.10	**Imane Boulmerka**, Global existence of the wave equation with polynomial source and damping terms
14.10-14.20	**Fayçal Bouchelaghem**, Exponential stability for second-order dynamic equations
14.20-14.30	**Kamel Ali Khelil**, Positive periodic solutions of second-order delay dynamic equations
14.30-14.40	**Kamel Ali Khelil**, Stability of integro-dynamic equations with multiple functional delays on time scales
14.40-14.50	**Plamen Koev**, Accurate Eigenvectors of Symmetric Tridiagonal Matrices
14.50-15.00	**Octavio Paulo Vera Villagran**, Laminated Timoshenko beams with interfacial slip and infinite memories
15.0015.10	**Ibikunle Albert Idowu**, Mathematical Analysis of Simple Supported Euler-Bernoulli Beam on a Variable Elastic Foundation Under a Partially Distributed Moving Load
15.10-15.20	**David Natroshvili,** Dynamical mixed boundary-transmission problems for layered elastic structures containing interfacial cracks

15.20-15.30	**Ahmad Fino,** Blow-up rates for higher-order semilinear parabolic equations with nonlinear memory term
15.30-15.40	**Ramil Nasibullin**, Hardy inequalities with remainders and parametric Lamb equation
15.40-15.50	**Bahlali Khaled**, Quadratic Backward SDEs and Applications to QuadraticPDEs
15.50-16.00	**Mehmet Emir Köksal**, Commutativity Associated with Confluent Hypergeometric Differential Equation
16.00-16.10	**Mehmet Emir Köksal**, A Note on the Commutativity of Riemann Differential Equation
16.10-16.20	**Esen Hanaç,** Phase Plane Analysıs Of A Selected Form Of Burgers Huxley Equatıon

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM E/Analysis	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Osman Hamza,** Truncated normed vector lattices
13.10-13.20	**Gökhan Mutlu,** Spectral Analysis of Non-selfadjoint Matrix Schrödinger Operator on the Half-line with General Boundary Conditions at Origin
13.20-13.30	**Meryem Yıldız,** Bounds for a new subclass of bi-univalent functions with respect to symmetric conjugate points related to Fibonacci numbers
13.30-13.40	**Gamze Özkardaş,** A Multipurpose Filled Function Method for Unconstrained

	Optimization Problems
13.40-13.50	**Barış Akay,** An invariant subspace theorem for positive almost L-weakly compact operators
13.50-14.00	**Şaziye Ece Özdemir,** Unbounded Convergence and Compactness
14.00-14.10	**Sevilay Demir Sağlam,** Optimal Control of Higher Order Differential Inequalities
14.10-14.20	**Alpgiray Tekin**, Some Counterexamples of Real Analysis
14.20-14.30	**Arzu Akgül,** On Some Inequalities for a General Class of Analytic and Bi-univalent Functions
14.30-14. 40	**Arzu Akgül,** A new subclass of bi-univalent analytic functions introduced by the q -analogue of Noor integral operator and Fibonacci numbers
14.40-14.50	**Zeynep Şanlı,** Simpson Type Inequalities
14.50-15.00	**Ömer Kişi,** Rough Statistical Convergence of Double Sequences of Fuzzy Numbers
15.0015.10	**Ömer Kişi,** Lacunary Statistical Convergence of Sequences in Neutrosophic Normed Spaces
15.10-15.20	**Eriola Sila**, (F,H) Cone Upper Class On Fıxed Poınt Results In Quası–Cone Metrıc Space For Generalızed A−Ψ Contractıve Mappıngs Usıng Dıameter Of Orbıts
15.20-15.30	**Fabiana Muharremi**, Gamma semigroups are concrete
15.30-15.40	**Biljana Vujošević**, The notion of continuous additive units of product systems of Hilbert modules
15.40-15.50	**Zid Sohir**, Some results about the λ-aluthge transform
15.50-16.00	**Elgues Anissa**, Some results of the class of D-

	normal operators

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM F/Topology and Geometry	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Gamze Aytekin Arıcı,** A note on generalized crossed modules
13.10-13.20	**Burcu Sünbül Ayhan,** Regularity and Normality via e*theta-open Sets
13.20-13.30	**Ayşe Borat,** The Effect of Adjacency Relations to the Digital Homotopic Distance
13.30-13.40	**Hakan Sahin,** New Fixed Point Theorems on Vector Metric Spaces with w-distance
13.40-13.50	**M. Nesibe Kesicioğlu,** Some Properties of The Pre-orders Obtained by Some Topological Closure Operators
13.50-14.00	**M. Nesibe Kesicioğlu,** Equivalence Classes of Implications on Bounded Lattices
14.00-14.10	**Raid Abdulhadi Abdulquader Abdullah,** Best Proximity Point Results via Bianchini-Grandolfi Gauge Functions on Partial Metric Spaces
14.10-14.20	**Miroslava Antić**, Three-dimensional CR subanifolds of the nearly Kähler sphere S6(1) that admit foliation by S2(1)
14.20-14.30	**Muhsin İncesu,** On the open B-spline curves
14.30-14.40	**İnan Ünal** On The Geometry of Para-Kenmotsu Space Forms
14.40-14.50	**İnan Ünal,** Some Semi-Symmetry Conditions On Para-Kenmotsu Manifolds Admitting A Type Of Semi- Symmetric Metric Connection
14.50-15.00	**Ramazan Sarı,** On Semi- Invariant

	Submanifolds of para Kenmotsu manifold with a Semi Symmetric Metric Connection
15.0015.10	**Ramazan Sarı,** On Generic Submanifolds of Lorentzian β-Kenmotsu Manifold
15.10-15.20	**Gözde Özkan Tükel,** Relaxed Elastic Lie Reductions
15.20-15.30	**Gözde Özkan Tükel,** A New Characterization of Dual Helices
15.30-15.40	**Omar Barkat**, Characterization of compatibility in terms of traces
15.40-15.50	**Omar Barkat,** Basic properties of standard single valued neutrosophic metric space
15.50-16.00	**Muhsin İncesu,** R(3,1) Semi-Riemannian Manifoldların Birasyonel Kobordizm İnvaryantları Üzerine

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM G/Geometry	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Gökhan Özcan,** Metriplectic, GENERIC and Couplings
13.10-13.20	**Oğul Esen,** Kinetic Moments of Vlasov Dynamics: A Matched Pair Analysis
13.20-13.30	**Hanife Kübra Kaya,** On Lie Groupoids, Lie Algebroids and Equations of Motion under Mutual Actions
13.30-13.40	**Begüm Ateşli,** On Matched Pair Hamiltonian Analysis of the Compartmental Models

13.40-13.50	**Gülsüm Yüca,** Quaternion-based Kinematics Using Dual Transformations
13.50-14.00	**Tunahan Turhan,** Inextensible Flow of Non-Null Curves with Type-3 Bishop Frame in Lorentz 3-space
14.00-14.10	**Tunahan Turhan,** On Non-null Rational Bézier Curves on 2-dimensional de Sitter Space S_1^2
14.10-14.20	**Erhan Güler,** On Fourth Fundamental Form of the Translation Hypersurface
14.20-14.30	**Erhan Güler,** Curvatures of the Translation Hypersurface in 4-Space
14.30-14.40	**FatmaBulut**, Slant Helices of (k ,m)-type according to the ED-frame of second kind in Minkowski 4-space
14.40-14.50	**Fatma Bulut,** Slant Helices of (k ,m)-type according to the ED-frame of first kind in Minkowski 4-space
14.50-15.00	**Ayse Yılmaz Ceylan**, A Characterization of the Involute Curves of Bézier Curves
15.0015.10	**Halil İbrahim Yoldaş,** On Kenmotsu Manifold Admitting Yamabe Soliton
15.10-15.20	**Halil İbrahim Yoldaş,** Some Characterizations of Super Quasi-Einstein Manifold Admitting Ricci Soliton
15.20-15.30	**Gül Uğur Kaymanlı,** Timelike Harmonic Evolute Surfaces of Quasi Binormal Surfaces
15.30-15.40	**Gül Uğur Kaymanlı,** Structures of Timelike Canal Surfaces using Quasi Frame

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020- ROOM M/Algebra, Number Theory,	
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13.00-13.10	**Nusret Karaaslan**, On Gaussian (s,t)-modified Pell Sequence and Its Matrix Representation
13.10-13.20	**Nusret Karaaslan**, On Modified Pell Polynomials
13.20-13.30	**Emrah Korkmaz**, The Number of m-potent Elements in Subset of Catalan Monoid
13.30-13.40	**Emrah Korkmaz** Ranks of Nilpotent Subsemigroup of the Catalan Monoid
13.40-13.50	**Erkan Taşdemir** , Sum Formulas For Gaussian Generalized Tribonacci Numbers: Closed Form Formulas of the Sums
13.50-14.00	**Betül Erdal,**A Note on Soft Radicals in Ordered Semigroups
14.00-14.10	**Eda Yıldız,** A Generalization of Zariski Topology
14.10-14.20	**Altan Erdoğan**, A P-adic Analytic Proof of Reflectivity of Twisted Finite Sums of Powers
14.20-14.30	**Altan Erdoğan**, P-adic Apostol-Bernoulli Measures
14.30-14.40	**Zeynep Şanlı,** Some Combinatorial Properties for the Congruence Subgroup Γ_(0,N) (n)
14.40-14.50	**Nazan Akdoğan,** An Approach to Symmetric Polynomials
14.50-15.00	**Ugur Duran,** Miscellaneous Properties of the Gamma Distribution Polynomials
15.0015.10	**Ugur Duran,** Extended q-Daehee Polynomials and Its Applications via Mahler Expansion

15.10-15.20	**Nazmiye Yilmaz**, Iterated Binomial Transforms of the Balancing and Lucas-Balancing Polynomials
15.20-15.30	**Bilel Selikh**, ECC in special ring and cryptographic application
15.30-15.40	**Gül Karadeniz Gözeri,** Some results on the sequence of K balancing numbers

ICOM 2020 Conference Oral Presentations Programme	
27 OCTOBER 2020-S ROOM N/Special Session	
Time	**Presenter and Title of Presentation**
13.00-13.10	**Mehmet Öner Şakar,** A General Theorem Involving Quasi Power Increasing Sequences
13.10-13.20	**Mehmet Öner Şakar,** Applications of Almost Increasing Sequences to Infinite Series
13.20-13.30	**Hacer Bilgin Ellidokuzoğlu,** A Note on Euler Totient Paranormed Sequence Spaces
13.30-13.40	**Seher Sultan Yeşilkaya,** On Fixed Point Theorems of Some Multivalued Mappings
13.40-13.50	**Seher Sultan Yeşilkaya,** Some Fixed Point Theorems in Partially Ordered Metric Spaces
13.50-14.00	**Ahmet Hamdi Avsar,** A Study On The Trigonometric Approximation in Morrey Spaces Using Matrix Methods
14.00-14.10	**Ahmet Hamdi Avsar,** A Study On The Trigonometric Approximation In Weighted Orlicz Spaces Using Sub-Matrix Methods
14.10-14.20	**Faruk Özger,** Approximation Properties of Some Bernstein Type Operators
14.20-14.30	**Daniela Halidini Qendraj,** Ranking the dimensions and attributes of SERVQUAL model

	for hotel satisfactory customers in Albania : A fuzzy AHP method.
14.30-14.40	**Daniela Halidini Qendraj**,The evaluation of online teaching performance in high education using Google Classroom platform : A Fuzzy AHP method.
14.40-14.50	**Evgjeni Xhafaj,** Integration of TAM model in Students Acceptance of Google Classroom context Using Partial Least Squares -Structural Equation Model.
14.50-15.00	**Evgjeni Xhafaj** ,Using Factor Analysis and Cluster Analysis as tools for studying the service quality. An evidence from the field of hospitality in Albania.
15.0015.10	**Rajani Saini**,Various fixed points results of picard sequence in complete G-metric space
15.10-15.20	**Ajit Gupta**,On Nonempty Intersection Properties in Metric Spaces
15.20-15.30	**Mohd Qasim**, Approximation by Generalized Lupas Operators Based on q-Integers

ICOM 2020 Conference Presentations Programme	
28 October 2020-Room A	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Snezhana Hristova**, Consensus of Discrete-time Multi-agent Systems with Nonlinear Dynamics via Long Lasting Impulsive Protocols
13.10-13.20	**Chanika Chawong**, A Study Of Statıstıcal Reasonıng Abılıtıes Usıng Cooperatıve Learnıng For Mathayomsuksa Iv Students
13.20-13.30	**Besma Bennour,** Studies On Reliability Of Circular Multi-State Consecutive-K-Out-Of-N System Under A Shock Model
13.30-13.40	**Vishal Gupta**, Fixed Point Results Using Compatibility İn Complex Valued Gb-Metric Space
13.40-13.50	**Mohd. Ahasan**, Generalized Szász-Mirakjan Type Operators Via Q-Calculus And Approximation Properties
13.50-14.00	**Shiva Eshaghi**, Lyapunov Direct Method For Stability Analysis Of Nonlinear Generalized Fractional Systems
14.00-14.10	**Taja Yaying**, On New Sequence Spaces Defined By Q-Pascal Matrix
14.00-14.10	**Sahar Altaf Ahmed**, Approximate Analysis Of Two Dimensional Fractional Partial Differential Equations
14.10- 14.20	**Asifa Tassaddiq**, A New Representation Of Fox-Wright Function
14.20-14.30	**Megraoui Fatıma Zohra,** Reliability Bounds Of Dependent Linear Consecutive K-Out-Of-N:G Systems
14.30-14.40	**Punam Gupta,** Semisymmetric (N(K),\Xi)

	Manifolds
14.40-14.50	**Rebiha Benterki,** The Limit Cycles Of Discontinuous Piecewise Linear Differential Systems Formed By Two Different Families And Separated By İrreducible Cubic Curves
14.50-15.00	**Lachit Bora** Euler Characteristic Of Selmer Group For Certain P-Adic Lie Extension
15.00-15.10	**Rebiha Benterki** The Limit Cycles Of Discontinuous Piecewise Linear Differential Systems Formed By Two Different Families And Separated By Reducible Cubic Curves
15.10-15.20	**Ataouia Bakhtaoui** The Nonparametric Estimation Of The Robust Regression By The Local Linear Method.
15.20-15.30	**Giorgio Saracco** The İsoperimetric Problem With A Double Density
15.30-15.40	**Saoudi Ahmed** A Variation Of Uncertainty Principles For The Weinstein Operator
15.40-15.50	**Redouane Douaifia** Numerical Simulations Of A Coupled Two Cell Activator-İnhibitor Reaction-Diffusion System By A Scheme Which Preserves Positivity Of The Solution
15.50-16.00	**Meriem Saker** Global Existence And General Decay Of Solution For A Linear Thermo-Visco-Elastic System With Density Function
16.00-16.10	**Seda Okumuş,** Determining the Relation Between Reasoning Skills and Critical Thinking Disposition of Pre-Service Science Teachers
16.10-16.20	**Ahsène Lanani** Analysis Of The Effects Of Certain Parameters On Heat Transfer And The Correlation Of Nusselt Numbers

ICOM 2020 Conference Oral Presentations Programme	
28 October 2020- Room B	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Zhor Chergui** Topsıs Nadir New Methods For Multicriteria Decision Making
13.10-13.20	**Tayfun Abut,** Controller Design of Haptic-Teleoperation System using PID and FLC methods to Compensate for Uncertain Dynamics
13.20-13.30	**Khaoula Aidi** A Generalization Of Fréchet Distribution For Modeling Extreme Values
13.30-13.40	**Khaoula Aidi** A New Extension Of The Fréchet Distribution: Properties, Regression,Modeling Extreme Values Data
13.40-13.50	**Dellal Abdelkader** Existence Of Solutions For P(X)-Solitons Type Equations İn Several Space Dimensions
13.50-14.00	**Mahvish Ali** Explicit Representations Of Some Generalized And Mixed Relatives Of The Bessel Functions
14.00-14.10	**Sıhem Gherıeb** Radiation And Heat Transfer Effects On Mhd Boundary Layer Flow Over A Flat- Plate
14.10-14.20	**Laghzal Mohamed** A Robın Eıgenvalue Problem Drıven By The $P(·)$-Bıharmonıc Operator
14.20-14.30	**Manel Belksier** Asympthotic Comparison Of Orthogonal Eigenvalues For (G,E)-Wishart Fractional
14.30-14.40	**M'hamdi Mohammed Salah**, Pseudo Almost Automorphic Functions And İts Application To A New Recurrent Neural Networks Model With

	Several Delays
14.40-14.50	**Madi Meriem** Complete Seconde Order Moment Convergence Of Kernel Density Estimator
14.50-15.00	**Mohamed Salah Toualbia** Stabilization Of The Schrödinger Equation With A Delay Term İn Boundary Feedback And Memory
15.0015.10	**Bakht Saida** Mathematical Study Of A Class Of Reaction-Diffusion System Resulting From Chemical Kinetics : Non-Linear Parabolic Systems
15.10-15.20	**Nawel Abdesselam** Stabilization Of The Schrödinger Equation With A Delay Term İn Boundary Feedback And Memory.
15.20-15.30	**Layan El Hajj** On The Univalence Of Bi-Analytic Mappings
15.30-15.40	**Nawel Abdesselam** Stabilization Of The Schrödinger Equations With Memory And Fractional Boundary
15.40-15.50	**Bakht Saida Dynamics** Of A Class Of Viral İnfection Models With Diffusion
15.50-16.00	**Javid Ali** Approximating Fixed Points For Generalized Non-Expansive Mappings With An Application

ICOM 2020 Conference Oral Presentations Programme	
28 October 2020- Room C	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Idrissi Fatmi Nadia**, Pitting Corrosion Of C-Mn Steels Used İn The Petroleum İndustry : Modeling And Mathematical Analysis

13.10-13.20	**Benkhettou Nadia** On Fractional Integro-Differential Equations With State-Dependent Delay And Non-Instantaneous Impulses
13.20-13.30	**Dahmane Achour** Strongly (P; Q; W) Sequences And Their Operators
13.30-13.40	**Meghnafi Mustapha** Multiplicity Results For Stationnary Elliptic Kirchhoff Type Problems With Critical Growth
13.40-13.50	**Benmansour Safia** Two Solutions For An Elliptic Nonlocal Problem With Critical Nonlinearity
13.50-14.00	**Adil Al-Rammahi** Fast Subharmonic And Homoclinic Solutions For A Class Of Second-Order Differential Equation
14.00-14.10	**Hamaidi Brahim** Mathematical Methods Safety Barrier Performance Assessment
14.10-14.20	**Aouachria Zeroual** How To Plan The Interaction Of The Road Network And The Residential Space İn Urban Environment: Caise Of Batna City
14.20-14.30	**Benyoucef Merah** Naturally Harmonic Maps Between Tangent Bundles
14.30-14.40	**Lahmar Lahbib** Arıma Modeling To Temperature Data İn Arid Region (Kenadsa) South West Of Algeria.
14.40-14.50	**Soheyb Milles** The Lattice Of Fuzzy Topologies Generated By Fuzzy Relations
14.50-15.00	**Swaroop Nandan** Bora Elastic Bottom Effect On Water Wave Scattering By A Pair Of Submerged Vertical Porous Barriers
15.0015.10	**Buhari Auwalu Ibrahim** New Vulnerabılıtıes In Rsa Prıme Power Modulus $N=P^rq$
15.10-15.20	**Aminu Al Haci Ibrahim** Generalızatıon Of Bunder And Nıtaj's Attack Usıng Rsa Prıme Power

	Modulus N=P^{r}q
15.20-15.30	**Hadjer Zerimeche** Modified Projective Synchronization Of Fractional-Order Chaotic Systems Using Adaptive Control
15.30-15.40	**Khedidja Bey** New Estimate On The Constant Of Strongly Lipschitz P-Nuclear Operators
15.40-15.50	**Boukhatem Ghania** The Usefulness Of Mathematical Sciences İn Geotechnical Calculation
15.50-16.00	**Faiza Zaamoune** Study Hidden Bifurcation Routes To Multiscroll Chaotic (1-D Scroll Chen's System)

ICOM 2020 Conference Oral Presentations Programme	
28 October 2020- Room D/Applied Mathematics	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Mezerdi Mohamed Amine** On The Convergence Of Carathéodory Numerical Scheme For A Class Of Nonlinear Mckean-Vlasov Stochastic Differential Equations
13.10-13.20	**Bahlali Khaled** Quadratic Backward Sdes And Applications To Quadraticpdes
13.20-13.30	**Mahmoud Behroozifar** Numerical İnvestigation Of Fractional Sine-Gordon Equation
13.30-13.40	**Djamila Beldjerd** New Results On The Asymptotic Stability, Boundedness And Square Integrability Of Some Third Order Neutral Differential Equations
13.40-13.50	**Roubi Abdallah** A Maximum Principle For İnfinite Horizon Delay Equations Of Mean-Field Type
13.50-14.00	**Mohammad Kamarujjama** On Certain

	Integral Transforms And Extended Voigt Functions
14.00-14.10	**Tayeb Blouhi**, Existence Results Systems Coupled Impulsive Neutral Functional Differential Equations Driven By A Fractional Brownian Motion And Wiener Process
14.10-14.20	**Mohamed Ferhat** Existence Results Systems Coupled Impulsive Neutral Functional Differential Equations Driven By A Fractional Brownian Motion And Wiener Process
14.20-14.30	**Aissani Khalida** Impulsive Stochastic Fractional Integro-Differential Inclusions With State-Dependent Delay
14.30-14.40	**Meghnafi Mustapha** Controllability Of Impulsive Stochastic Fractional Integro-Differential Equations With Infinite Delay
14.40-14.50	**Aissani Khalida** Impulsive Stochastic Fractional Integro-Differential Inclusions With State-Dependent Delay
14.50-15.00	**Ramdane Rahal**, Genetic Algorithms Models For Time Series
15.0015.10	**Bouzir Habib** Kahlerian Golden Manifolds
15.10-15.20	**Bouzir Habib** Eta-Kahlerian Manifolds
15.20-15.30	**Saadi Abdelkader** Some Existence And Stability Results Of Generalized Sturm-Liouville And Langevin Equations With Hadamard Fractional Derivatives
15.30-15.40	**Grine Razika** Estimation Of Parameters And Reliability Function Of Poisson Quasi Lindley Distribution For Progressive Typeıı Censored Data
15.40-15.50	**Massoun Youssouf**, The Homotopy Analysis

	Method For Solving Fourth-Order Boundary Value Problems
15.50-16.00	**Zegga Kaddour**, Sasakian Structures On Products Of Real Line And Kahlerian Manifold

ICOM 2020 Conference Oral Presentations Programme	
28 October 2020- Room E/Analysis	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Zine Raoudha** Probability Distributions On Symmetric Cones
13.10-13.20	**Kpop Moses Joseph** Suction/Injection Effects On Unsteady Magneto - Hydrodynamics (Mhd) Oscillatory Flow Of A Couple Stress Fluid İn An Asymmetric Tapered Channel With Heat And Mass Transfer
13.20-13.30	**Djeridi Zohra** Bayesian Sequential Stopping Rule For Multi-Stages Experimental Trials.
13.30-13.40	**Yusuf Dauda Jikantoro** Statistical Study Of The Effect Of Temperature On The Deterioration Of A Polluted Mechanical Contact (Elastohydrodynamics)
13.40-13.50	**Aliyu Ishaku Ma'ali** The Differential Variant And Its Error Estimate For The Class Of Non-Overdetermined Third Order Ordinary Differential Equations
13.50-14.00	**Boulbaba Ghanmi** On The Practical H-Stability Of Nonlinear İmpulsive Systems Of Differential Equations
14.00-14.10	**Saurabh Kapoor** Stability Of Double Diffusive Convection Of A Couple Stress Fluid Filled

	With Nanofluid
14.10-14.20	**Khachnaoui Khaled** Fast Subharmonic And Homoclinic Solutions For A Class Of Second-Order Differential Equation
14.20-14.30	**Madi Meriem** Complete Seconde Order Moment Convergence Of Kernel Density Estimator
14.30-14. 40	**Saidu Isah Abubakar** Diophantine Attack On Prime Power Modulus N = P^R Q
14.40-14.50	**Mohammed Mechee** A Study Of General Sumudu Transform For Solving Of General Quasi-Linear Differential Equations İn Domain With M-Variables
14.50-15.00	**Gbolahan Bolarin** A Mathematical Modelling Of Tuberculosis Infection Dynamics With Effects Of Case Detection And Drug Resistance
15.0015.10	**Abdelmadjid Recioui** Capacity Optimization Of Mımo Systems Involving Conformal Antenna Arrays Using A Search Group Algorithm
15.10-15.20	**Sanjeev Kumar** A Model Based On Fuzzy İnference System To Analyze The Trends Of Financial Market
15.20-15.30	**Ahlem Nemer** Estimation Of Parameters And Reliability Function Of Poisson Quasi Lindley Distribution For Progressive Typeıı Censored Data
15.30-15.40	**Madani Moussai** Some Nontrivial Functions İn Realized Homogeneous Besov Spaces
15.40-15.50	**Fatma Zohra Dekhandji** Design Optimization Of Pmu Anti-Aliasing Filters Using Taguchi Method
15.50-16.00	

ICOM 2020 Conference Oral Presentations Programme	
28 October 2020- Room F/Topology And Geometry	
Time	**Presenter And Title Of Presentation**
13.00-13.10	**Hamaizia Taieb** Some Fixed Point Theorems Via C-Class Functions İn B-Metric Spaces
13.10-13.20	**Draifia Ala Eddine** Galerkin Method For The Higher Dimension Boussinesq Equation Non Linear With İntegral Condition
13.20-13.30	**Abd Elkader El Moumen** Confidence Ellipses For Simple Regression Parameters With Highly - Alpha-Mixing Errorconfidence Ellipses For Simple Regression Parameters With Highly - Alpha-Mixing Error
13.30-13.40	**Abdulkadir Datti**, A Proposed Proof Of The Beal Conjecture
13.40-13.50	**Beldjilali Gherici** Golden Para-Sasakian Manifold
13.50-14.00	**Hichem El Hendi** On The Geometry Of The Tangent Bundle With Vertical Rescaled Generalized Cheeger-Gromoll Metric
14.00-14.10	**Tahmi Nabil** On Certain Multiple Dirichlet Seriers Of Completely Multiplicative Function
14.10-14.20	**Rezzoug Imad**, Study Of Null-Controllability Using The Sentinel Method As A Tool
14.20-14.30	**Khaldi Nassima** Stability Of Essential Spectra Of Closed Operators Under T-Compact Equivalence And Applications
14.30-14.40	**Medjadj Imene** Measure Of Noncompactness And Partial Functional Differential Equations With State-Dependent Delay
14.40-14.50	**Abdelhamid Rehouma** Asymptotic Properties Of Lp Extremal Polynomials Primitives On

	Contour
14.50-15.00	**Gokul Kc** Mathematical Model For Temperature Distribution İn Laser-Assisted İn Situ Keratomileusis (Lasık)
15.0015.10	**Javid Iqbal** A New Resolvent Operator Approach For Solving A Govip İnvolving Xor Operation With Convergence
15.10-15.20	**Fatima Zohra Mostefai** Weak Solutions For Nonlinear Fractional Differential Equations With Integral Boundary Conditions İn Banach Spaces
15.20-15.30	**Mezabia Mohammed El Hadi** Asymptotic Analysis Of The Signorini Problem With Coulomb Friction Law For Piezoelectric Shallow Shells
15.30-15.40	**Rachid Boukoucha** Invariant Algebraic Curves And Limit Cycles For A Class Of Polynomial Differential Systems
15.40-15.50	**Ghezzar Mohammed Amine** Influence Of Discretization Step On The Positivity Of A 2d Continuous-Discrete Linear System Described On The Roesser Model.
15.50-16.00	**Rezzoug Imad** Study Of Null-Controllability Using The Sentinel Method As A Tool