

List of Reviewers
(as per the published articles)
Year: 2025

Asian Journal of Pure and Applied Mathematics

2025 - Volume 7 [Issue 1]

A Markov Chain Model for the Analysis, Prediction and Comparison of Stock Exchange Markets
DOI: 10.56557/ajpam/2025/v7i1179

Reviewers:

- (1) Fatemeh Soleyman, K. N. Toosi University of Technology, Iran.
- (2) Remalli Anthony, Anand Agricultural University, India.

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- (1) A. Bernick Raj, B. S. Abdur Rahman Crescent Institute of Science and Technology, India.
- (2) V. Ragamalika, KL University, India.

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A Brief Review of Various Meta-Heuristic Optimization Algorithms for Scheduling Issues
DOI: 10.56557/ajpam/2025/v7i1180

Reviewers:

- (1) Manish Chhabra, Vardhaman College of Engineering, India.
- (2) Gagan Kumar, D.A.V. Institute of Engineering & Technology, India.

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- (3) Mehrdad Rezaie, Malayer University, Iran.

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Almost Sure Exponential Stabilization of Stochastic Non-Linear Optimal Control Delay Integro -Differential Equations
DOI: 10.56557/ajpam/2025/v7i1181

Reviewers:

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Analytic Error Estimates in Semi-Discretization of the Stochastic Cahn-Hilliard Equation
DOI: 10.56557/ajpam/2025/v7i1182

Reviewers:

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Unique Common Fixed Point Theorem for Weakly Compatible Mappings of Type (P) in Menger Space
DOI: 10.56557/ajpam/2025/v7i1183

Reviewers:

- (1) B. Revathy, Sri Sarada College for Women (Autonomous), India.
- (2) Shoyeb Ali Sayyed, Malwanchal University, India.
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Study on "Coincidence Points" Results of "W-D- Mappings of Type - (A)" in CM- Spaces
DOI: 10.56557/ajpam/2025/v7i1184

Reviewers:

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- (4) Samira Hadi Bonab, Islamic Azad University, Iran.

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Stochastic Approach Using Statistical Distribution to Expected Lifetime of Hypertension Patients
DOI: 10.56557/ajpam/2025/v7i1185**Reviewers:**

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Mathematical Modelling of Poverty, Cybercrime, and Prostitution Dynamics in South-South, Nigeria
DOI: 10.56557/ajpam/2025/v7i1186**Reviewers:**

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Mathematical Analysis of Malnutrition in Creche
DOI: 10.56557/ajpam/2025/v7i1187**Reviewers:**

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- (2) Arpita Dutta, West Bengal State University, Kanyashree University, India.

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An Extension of Tymoczko Codes to Row Strict Young Tableaux
DOI: 10.56557/ajpam/2025/v7i1188**Reviewers:**

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Construction of Non-homogeneous Solution to Fractional Differential Equations using Laplace Transform Method
DOI: 10.56557/ajpam/2025/v7i1189**Reviewers:**

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On $W\pi GR$ - continuous Functions in Topological Spaces: A Mathematical Approach
DOI: 10.56557/ajpam/2025/v7i1190

Reviewers:

- (1) M Suresh Babu, JNTUA, India.
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A Study of Square Functional Equations on Group Structures
DOI: 10.56557/ajpam/2025/v7i1191

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Linear Programming for Resource Allocation and Profit Maximization in Furniture Production
DOI: 10.56557/ajpam/2025/v7i1192

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Stochastic Model on Share Price Movements in Finite State with Asymptotic Null Controllability Properties
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Numerical Analysis of Magnetohydrodynamics Casson Nanofluid Flow Over a Rotating Disk from Mathematical Physics Perspective
DOI: 10.56557/ajpam/2025/v7i1194

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Deep Learning Advances in Conversational AI for Business: Contextual Understanding and Evolution
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Closed-Form Solutions for Dynamic Finite Deformation of Vulcanised Rubber Cylinders
DOI: 10.56557/ajpam/2025/v7i1196

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- (1) Venkata Rama Gautham Devarakonda, USA.
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Solution of Certain System of Ordinary Differential Equations Using “Saxena & Gupta Transform”
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Advanced Fixed Point Theorems Using Non-standard Distance Functions with Applications in Optimization and Stability
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Indices of Line Graph of R(G)
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A Transformative Geometric Framework for Dihedral Groups: The Symmetry Density Index in Three-Dimensional Space
DOI: 10.56557/ajpam/2025/v7i1200

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Anomaly Detection in Time Series Data for Cyber Security: Integrating Supervised, Semi-supervised and Unsupervised Methods
DOI: 10.56557/ajpam/2025/v7i1201

Reviewers:

- (1) Bashar I. Hameed, Al-Imam Al-Adham University College, Iraq.
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Completion Problem of Weakly Sign Symmetric PO-Matrices for Digraphs of Order 5 with 4 or 5 Arcs and a Positionally Symmetric Cycle
DOI: 10.56557/ajpam/2025/v7i1202

Reviewers:

- (1) H. Mary Henrietta, Saveetha Engineering College (Autonomous), India.
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Application of Non-linear Stochastic Systems on Asset Pricing Returns for Stock Market Prices

DOI: 10.56557/ajpam/2025/v7i1203

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Mathematical Modelling and Analysis of Cholera Epidemic in the Presence of the Disease Progression Dynamics and Intervention Strategies

DOI: 10.56557/ajpam/2025/v7i1204

Reviewers:

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Ensemble Methods for Time Series Forecasting in Nigeria: Predicting Agricultural Yields Using Advanced Machine Learning Approaches

DOI: 10.56557/ajpam/2025/v7i1205

Reviewers:

- (1) T. Jai Sankar, Bharathidasan University, India.
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- (1) Fidelis Tanko, Federal University of Technology Minna, Nigeria.

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Solving Stiff and Oscillating Problems with a Trigonometric-Fitted One-step Three Points Hybrid Block Method

DOI: 10.56557/ajpam/2025/v7i1206

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- (2) Yeak Su Hoe, Universiti Teknologi Malaysia, Malaysia.

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A Study on Extention of the Pythagorean Theorem from R_2 to R_3 Using the Pythagorean Triples

DOI: 10.56557/ajpam/2025/v7i1207

Reviewers:

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A Comparison of SARIMA and Holt-winters Models in Forecasting Motor Insurance Claims: A Case Study of Kenya
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An Optimized Approach for Minimizing Transportation Costs through the Lens of Triangular Fuzzy Neutrosophic Theory
DOI: 10.56557/ajpam/2025/v7i1209

Reviewers:

- (1) A. Rajkumar, Bharathidasan University, India.
- (2) N. Ramya, Kongu Engineering College, India.
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Fractional Order Fredholm Integro-Differential Equations: A Numerical Solution Applying Collocation Points
DOI: 10.56557/ajpam/2025/v7i1210

Reviewers:

- (1) Najmuddin Ahmad, Integral University Lucknow, India.
- (2) Prabakaran Raghavendran, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, India.

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A Matrix Approach in Predicting Stock Market Prices with Regularly Varying Perturbations
DOI: 10.56557/ajpam/2025/v7i1211

Reviewers:

- (1) R. Manimaran, SRM Institute of Science and Technology, India.
- (2) Gaurav Kumar, KL University, India.

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Monotonicity Analysis of the Rank-Shapley Value for Super-Additive Games
DOI: 10.56557/ajpam/2025/v7i1212

Reviewers:

- (1) Saurabh Kumar, USA.
- (2) Waffo Kemgne Martin, La Rochelle University, France.
- (3) Mehdi Badrian, Islamic Azad University, Iran.

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Numerical Solution of Fractional Order Integro Differential with Dirichlet Boundary Conditions Using Shifted Legendre Collocation Method
DOI: 10.56557/ajpam/2025/v7i1213

Reviewers:

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- (1) Hossein Jafari, University of Mazandaran, Iran.

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Crank-Nicolson Analysis of Black-scholes Equation and Effects of Covariance Properties for Stock Market Prices
DOI: 10.56557/ajpam/2025/v7i1214

Reviewers:

- (1) Greg Sterijevski, CommodityVol.com, USA.
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- (4) Priya Karen S, Nirmala College for Women, India.
- (5) Nurul Raihen, University of Toledo, USA.

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On Bishop's Property of n-Square Metrically Equivalent Operators

DOI: 10.56557/ajpam/2025/v7i1215

Reviewers:

- (1) Edith Warue Nyaga, Chuka University, Kenya.
- (2) S. Mahendran, Bharathidasan University/ Government Arts College (Autonomous), India.
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- (2) Shivam Kumar Singh, Netaji Subhas University of Technology, India.

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Robust Numerical Approaches for Time-Fractional Advection-dispersion Equations: Stability and Convergence of Implicit-explicit Schemes with Variable Coefficients

DOI: 10.56557/ajpam/2025/v7i1216

Reviewers:

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- (2) Brijendra Kumar Chaurasiya, India.

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Divisibility Properties of the Sequence $10^n + 1$ with Shared Prime Factors Where $n \in \mathbb{Z}^+$

DOI: 10.56557/ajpam/2025/v7i1218

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Numerical Analysis of Euler and Milstein Schemes with Applications to Multi-Asset Heston Models and Exotic Option Pricing

DOI: 10.56557/ajpam/2025/v7i1219

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On Generalized Posi-class (Q) Operators

DOI: 10.56557/ajpam/2025/v7i1220

Reviewers:

- (1) Manu Mitra, University of Bridgeport, USA.
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- (1) Ritu Arora, Gurukul Kangri Deemed to be University, India.
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- (3) Srikanth Raghavendran, SASTRA University, India.

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Implicit Iterative Schemes for Semigroups of Lipschitzian Hemicontractive-Type Operators: A Novel Adaptive Paradigm
DOI: 10.56557/ajpam/2025/v7i1221**Reviewers:**

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- (3) Simon Joseph, University of Bahr El-Ghazal, Republic of South Sudan.

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On (n,m) -Square Metrically Equivalent Operators
DOI: 10.56557/ajpam/2025/v7i1222**Reviewers:**

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- (2) Arikewuyo, Debo Sulaimon, National Open University Of Nigeria, Nigeria.
- (3) B. Revathy, Sri Sarada College for Women (Autonomous), India.
- (4) Bernard Mutuku Nzimbi, University of Nairobi, Kenya.
- (5) Pabitra Kumar Jena, Berhampur University, India.

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Combined Effects of Arrhenius Chemical Reaction, Internal Heat Generation and Viscous Dissipation on the Heat and Mass Transfer of Natural Convection Flow Over a Vertical Plate with Convective Surface Boundary Condition
DOI: 10.56557/ajpam/2025/v7i1223**Reviewers:**

- (1) Sachin Shaw, Botswana International University of Science and Technology, Botswana.
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