



College of Education for Pure Science

Department of Mathematics

Published Articles in International and Local Journals (2024-2025)

N	Article Title	Authors	Academic Title	Journal	Class
1	Non-associative ultrasemiprime algebras	Ruqayah Nafea Balo Mohammed Thanoon Al-Neima Nadia Adnan Abdalrazaq	Lecturer	AIP Conference Proceeding	Scopus
2	A Comparison Between Estimating The Parameters of The Gaussian Process Regression Model Using The Maximum Likelihood and The Restricted Maximum Likelihood Methods	Amina K. illias Younis H. Ismaeel	Asst. Professor	Journal of Eucation and Science	Local
3	On the reduction and solution of the reverse space-time nonlocal Fokas–Lenells equation	Suhaib T. Alramadani	Lecturer	Partial Differential Equations in Applied Mathematics	Scopus

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4	Generalized α -Closed Sets in Ordinary Topological spaces	Muna Y. Abbas Sabih W. Askandar	Assistant Professor	Journal of Education and Science	local
5	Heat Transfer of Fluid Flow by Conduction and Convection in Inclined Cavities	Hamsa D. Saleem	Lecturer	Al-Rafidain Journal of Computer Sciences and Mathematics	local
6	Comparison Between Different Types of Latin Hypercube Designs Applied to Kriging Models	Zainab Abdulateef Rasheed Younus Al-Taweel Shaymaa M. Younus	Assistant Lecturer Assistant Professor Assistant Lecturer	Advances in Nonlinear Variational Inequalities	Scopus
7	Lower bound for $m_3(2,41)$ from conic and related code	Hanan Maysar Sabih Yahya Nada Yassen Kasm Yahya	Professor	AIP Conf. Proc. 3264, 050072 (2025)	Scopus
8	Application of cultural algorithm and Padé approximants to solve Volterra integral equation	Israa I. M. Sheekhoo Azzam S. Y. Aladool	Lecturer Assistant Professor	AIP Conference Proceeding	Scopus
9	Certain results for the solution of Volterra-Fredholm Integral equation on time scales	Alaa Ismaeel Khalid Akram Hassan Mahmood		AIP Conference Proceedings	Scopus
10	Improving Homotopy Method Using Particle Swarm Optimisation to Solve Fractional Differential Equations	Raghad Mohammed Aziz Kais Ismail Ibraheem	Assistant Lecturer	AIP Conference	Scopus
11	Optimal Interpolation of the Multivariate Spatial Estimation for Groundwater Balance Data with Boundary Conditions	Ghanim Mahmood Dhaher	Assistant Professor	Advances in Nonlinear Variational Inequalities	Scopus
12	Application of Partition Theory to Calculate the Chemical Displacement of the Nuclei of the Carbon 13 Atom of Cyclohexane Derivatives II	S. A. Altaie A. S. Mahmood A. S. Alhyali	Professor	Journal of Education and Science	Local