

Published Research by the Faculty Members of the Mathematics Department for the Year 2024

impact factor or cite score of journal	Journal classification	ISSN for Journal	Full name of the Journal	Publication Year	Research title	Names of participating researchers	Name of the sole author or the first author
Cite Score (0.5)	Scopus	0094-243X	AIP Conference Proceedings	2024	On pre- h -Open Sets in Topological Spaces	Raida Dawood Mahmood Barah Mahmood Sulaiman	Obaida Abd-Almonem Ahmed
Cite Score (0.1)	Scopus	1092-910X	Advances in Nonlinear Variational Inequalities	2024	On Strongly Y -Clean Rings	Zubaida Mohammed Ibraheem Shahla Moayad Khalil	Raida Dawood Mahmood
/	Local	1815-4816	AL-Rafidain Journal of Computer Sciences and Mathematics	2024	On Types of Invo-Clean Rings : Review	Raida Dawood Mahmood	Mohammed Thanoon Al-Neima
/	Local	2789-1089	NTU Journal of Pure Sciences	2024	Some Results on AWN-Injective Rings	Shaimaa Hatim Ahmed Raida Dawood Mahmood	Hazim Talat Hazim
/	Local	<u>1815-4816</u>	AL-Rafidain Journal of Computer Sciences and Mathematics	2024	<i>Semi-h</i> -Open Sets and <i>Semi-h</i> -Continuity in Topological Spaces	/	Barah Mahmood Sulaiman
CiteScore (0.5)	Scopus	0094-243X	AIP Conference Proceedings	2024	On pre- h -Open Sets in Topological Spaces	Raida Dawood Mahmood Barah Mahmood Sulaiman	Obaida Abd-Almonem Ahmed

			BIO Web of Conferences 97, 00143 (2024) ISCKU	2024	The modification conjugate coefficient for conjugate gradient method to solving unconstrained optimization problems	Hamsa Th. Saeed	Abd hassan
			JOURNAL OF EDUCATION AND SCIENCE 33(2):123-133	2024	Enhancing Conjugate Gradient Method Through a Novel Investigation Parameter For Unconstrained Minimization	Hamsa Th. Saeed	Abd hassan Hamsa Th. Saeed
		ISSN 1307-5543– www.ejpam.com	EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS PRE-PUBLICATION SUBMISSION DOCUMENT	2024	A New Scalar of Conjugate Gradient Methods for Solving Unconstrained Minimization	Hamsa Th. Saeed T.1, Rana Z. Al-Kawaz	Saja O. Mohammad
			AIP Conference Proceedings	2024	An efficient spectral search direction for solving several continuous unconstrained optimization problems	Huda I.Ahmed Eman T.Hamed Abbas Y.AL–Bayati	Hamsa Th. Saeed
cite score: 1.1	Scopus	1763-1225	Communications of the Korean Mathematical Society	2024	UTILIZING COUPLING STRATEGY TO GENERATE A NEW SIMPLE 7D HYPERCHAOTIC SYSTEM AND ITS CIRCUIT APPLICATION		Saad Fawzi Jasim Al- Azzawi
cite score: 9.0	Scopus	1013-2587	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2024	A NOVEL SIMPLE 5D HYPERCHAOTIC SYSTEM DERIVED FROM THE 3D SPROTT C SYSTEM	Ahmed Dhnoon Sheet	Saad Fawzi Jasim Al- Azzawi
IF: 1.2 cite score: 4.2	Scopus	2384-1230	Archives of Control Sciences	2024	Dynamical behavior of a new jerk system inspired from chaotic memory oscillators		Saad Fawzi Jasim Al- Azzawi
cite score: 1.2	Scopus	6473-2164	Journal of Applied Nonlinear Dynamics	2024	A New 4-D Conservative System with Hyperchaos and Two Saddle- Focus Hyperbolic Equilibria Points	Anmar Mohammed Shaker	Saad Fawzi Jasim Al- Azzawi
1.1	Scopus	0554-2046	International Journal of Computational Methods and Experimental Measurements	2024	Enhanced Unsupervised Feature Selection Method Using Crow Search Algorithm and Calinski-	Talal F. Hussein Hanadi D. Saleem Omar S. Qasim	Fatima M. Hasan

					Harabasz		
	Local	1812-125X	Journal of Education and Science	2024	Finding the Exact Solution of the Dynamic Model for the Spread of Computer Viruses Using the Homogeneous Balance Method	Ahmed Entesar	Sadoon Haji Osif
0.5	Q4	0094-243X	AIP Conference Proceedings	2024	Enhancing Banach' s contraction method using the particle swarm optimization to solve the system Drinfeld-Sokolov-Wilson	Ahmed Entesar	Amina Ruslan Yahya