

Published Research by the Faculty Members of the Mathematics Department for the Year 2023

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
	Local	4816-1815	Al-Rafidain Journal of Computer Sciences and Mathematics	2023	A Sufficient Descent Property for a Different Parameter to Enhance Three Term Method	Samaa Abdul Qader	Ghada Moayid Al-Naemi
	Local	1662-1813	Tikrit Journal of Pure Science	2023	A Sufficient Descent 3-Term Conjugate Gradient Method for Unconstrained Optimization Algorithm	Samaa Abdul Qader	Ghada Moayid Al-Naemi
CiteScore (0.5)	Scopus	0094-243X	AIP Conference Proceedings	2023	On N-pure ring	Sura Abdul Satar Abd	Raida Dawood Mahmood
CiteScore (0.5)	Scopus	0094-243X	AIP Conference Proceedings	2023	Some results on strongly commuting regular rings	Sura Abdul Satar Abd	Raida Dawood Mahmood
/	Local	1815-4816	AL-Rafidain Journal of Computer Sciences and Mathematics	2023	On GAN-injective Rings: A systematic review	Raida Dawood Mahmood	Hazim Talat Hazim
CiteScore (3.1)	Clarivate Scopus	0972-0529	Journal of Discrete Mathematical Sciences and Cryptography	2023	On simple generalized m-flat rings	Raida Dawood Mahmood Farah Hazem Mohammed Zubaida Mohammed Ibraheem	Shaimaa Hatim Ahmed
CiteScore (1.3)	Clarivate Scopus	1307-5543	European Journal of Pure and Applied Mathematics	2023	The Basis Number of Mycielski's Graph for Some Cog-Graphs	Rasha Sallal Hasan Raghad Abdulazeez Mustafa	Barah Mahmood Sulaiman
CiteScore (2.7)	Clarivate Scopus	0972-0502	Journal of Interdisciplinary Mathematics	2023	A New Secant Method for Minima One Variable Problems	Basim Abbas Hassan Ranen Mate Sulaiman	Barah Mahmood Sulaiman
CiteScore	Clarivate	0972-0502	Journal of Interdisciplinary	2023	Micro topological space with	Barah Mahmood	Ekram

(2.7)	Scopus		Mathematics		grill-generalized open sets	Sulaiman Ahmed Amer Mohammedfawze	Abdulkader Saleh
1.3	Q2	1307-5543	European Journal of Pure and Applied Mathematics	2023	The Basis Number of Mycielski's Graph for Some Cog-Graphs	Sulaiman, Barah M Hasan,Rasha S Mustafa, Raghad A.	Sulaiman, Barah M
3.1	Q1	0972-0529	Journal of Discrete Mathematical Sciences and Cryptography	2023	Mn – Polynomials of some special for cog-graphs	Mustafa, R.A Ali, A.M. Khidhir, A.M.	Mustafa, R.A
cite score: 0.5	Scopus	7616-1551	AIP Conference Proceedings	2023	A Novel Simple Saddle-Foci Equilibria 4D Hyperchaotic System	Saad Fawzi Al- Azzawi	Ahmed Khadhr Khashman
IF: 1.6 cite score: 3.4	Scopus	9845-0974	Indian Journal of Physics	2023	Multiple attractors in a novel simple 4D hyperchaotic system with chaotic 2-torus and its circuit implementation	Maryam Aamer Al-Hayali	Saad Fawzi Al-Azzawi
IF: 1.2 cite score: 1.4	Scopus	0445-1993	Applied Mathematics-A Journal of Chinese Universities	2023	Dynamical analysis and anti- synchronization of a new 6D model with self-excited attractors	Ahmed Sadeq Al- Obaidi	Saad Fawzi Al-Azzawi
	IEEE		2nd International Conference on Advanced Computer Applications, ACA 2023	2023	A New Simple 6D Hyperchaotic System with Higher Largest Lyapunov Exponent and Kaplan- York Dimension and its Application	Saad Fawzi Al- Azzawi	Karam Nizar Abdul Karim
cite score: 4.3	Scopus	7421-2788	Iraqi Journal for Computer Science and Mathematics	2023	A New Simple 6D Hyperchaotic System with Hyperbolic Equilibrium and Its Electronic Circuit	Saad Fawzi Al- Azzawi	Zaidoon Sh Al-Talib
	Local		Al-Rafidain Journal of Computer Sciences and Mathematics	2023	Solving Integral Equations via a hybrid method between the Modified Adomian Decomposition Method and Bee Algorithm	Ahmed Entesar	Noor Bassam Taha