



## College of Education for Pure Science

### Department of Mathematics

#### Published Articles in International and Local Journals (2023-2024)

N	Article Title	Authors	Academic Title	Journal	Class
1	New Examples in Coding Theory for Construction Optimal linear codes related with weight distribution	Aiad Mohammed Khalaf Nada Yassen Kasm Yahya	Professor	AIP Conf. Proc. 2845, 050043 (2023), <a href="https://doi.org/10.1063/5.0170590">https://doi.org/10.1063/5.0170590</a>	Scopus
2	Employing a modified Sumudu with a modified iteration method to solve the system of nonlinear partial differential equations	Junaid idress Mustafa	Lecturer	Computational and Mathematical Methods	Scopus
3	Soft Penta Continuity in Soft Penta Topological Spaces	Sabih W Askandar Ruqayah N Balo	Assistant Professor Lecturer	Aip Conference Proceedings	Scopus
4	Numerical solution to the problem of fluid flow and heat transfer by conduction and convection in a porous medium	Muna Manaf Alaa Hammodat	Professor	AIP ADVANCES	Scopus
5	Approximate solutions of a certain initial value problem	Ahmed A. Fawzi Lamia H. Saadoon	Lecturer Assistant Professor	Journal of Interdisciplinary Mathematics	Scopus

6	Hopf Galois Structures on Nonnormal Extensions of Degree $pq$	Braa Muthana Ali A. Bilal	زينة فالح صالح Assistant Professor	AIP Conference Proceedings	Scopus
7	The Essential Conditions for Soliton Solution of the Non-local Manakov System	Beyda S Abdullah Sabih W Askandar	Lecturer	AIP Conference Proceedings	Scopus
8	New results for construction codes arised from $K$ – Span in $PG(3,17)$	Dakheel Abdulqader Elias Nada Yassen Kasm Yahya	Professor	AIP Conference Proceedings	Scopus
9	Adding Rows in Main e-Abacus Diagrams	Ammar S. Mahmood Jwan K. Khaleel	Professor	Iraqi J. of Science	Scopus
10	Lower Bound for Complete $(k,n)$ -arc in $PG(3,23)$	Mohamed Juma'a Abd Nada Yassen Kasm Yahya	Professor	BIO Web of Conferences 97, 00117 (2024)	Scopus
11	Lower bound for $mr(2,41)$ and related code	Hanan Maysar Sabih Yahya Nada Yassen Kasm Yahya	Professor	BIO Web of Conferences 97, 00159 (2024)	Scopus
12	Soft Generalized $\alpha$ -Closed Sets in Soft Topological Spaces	Aveen B. Dawod Sabih W. Askandar	Assistant Professor	Bio web of conferences	Scopus
13	Construction of $Q$ – $Ary(n, M, d)$ – Codes in $PG(2,9)$	Dunya Fareeq Fendi Nada Yassen Kasm Yahya	Professor	Journal of Electrical Systems	Scopus
14	APPLICATIONS OF THE $PG(2,8)$ IN CODING THEORY	Marwa Hussein Rajab Hussein Nada Yassen Kasm Yahya	Professor	O&G Forum 2024; 34-3s: 1524-1526	Scopus
15	On an integrodifferential equation in three variables on time scales	Khalid Shwesh Akram H. Mahmood	Professor	AIP Conference Proceedings	Scopus

N	Article Title	Authors	Academic Title	Journal	Class
16	A New Investigation for Conjugate Gradient Methods to Solve large problems in Unconstrained Optimization	Aseel M. Qassim	Assistant Professor	International Journal of Mathematical and Computational Methods.	International
17	Using diverse thinking in teaching science and measurement and its impact on the achievement of second-year intermediate students	Hussein Samir Koborlu Enas Younis Al-Azzo	Professor	European Journal of Pure And Applied Mathematics	International
18	Soft Semi Totally Continuity in Soft Topological Spaces	Sabih W. Askandar	Assistant Professor	Journal of Education and Science	local
19	New Codes Arising from Complete $(k, n)$ - arcs in $PG(3,17)$	Dakheel Abdulqader Elias Nada Yassen Kasm Yahya	Professor	Al-Rafidain Journal of Computer Sciences and Mathematics (RJCM), Vol. 17, No. 2, 2023 (63-77)	Local
20	The Equivalence Between Ultrasemiprime and Ultraprime Under Certain Conditions	Mohammed Al-Neima Ruqayah Balo Nadia Abdalrazaq	Lecturer Lecturer Lecturer	Al-Rafidain Journal of Computer Sciences and Mathematics (RJCM)	local
21	A Field Study Using Some Properties and Applications of Soft $i$ -open Sets	Aveen B. Dawod Sabih W. Askandar	Assistant Professor	Journal of Education and Science	local
22	Application of Coding Theory in Field 5	Hajir Hayder Hayder Nada Yassen Kasm Yahya Noor Hussain Abdullah	Professor	Al-Kitab Journal for Pure Sciences	local