

Published-Research-Department of Operations Research and Intelligent Techniques2022-2023

Research Title	Researchers' Names	Order of the Researchers	Journal Name	The issue number is mentioned for the publication	Publication Date	Type of Journal
Conjugate gradient method for solving unconstrained optimization problems: A new investigation and application	Huda Y. Najm Huda I. Ahmed	First Second	Journal of Interdisciplinary Mathematics	Volume 26,2023	7/15/2023	clarivate and Scopus
An efficient spectral search direction for solving several continuous unconstrained optimization problems.	Hamsa Th. Saeed Huda I. Ahmed Eman T. Hamed Abbas Y. Al-Bayati	First Second Third fourth	AIP, conference		12/4/2023	Scopus
A globally convergent version constrained conjugate gradient algorithm for minimizations	Elaf Sulaiman Khaleel Eman T. Hamed	First Second	Aip conference	3	12/4/2023	Scopus
coefficient of nonlinear conjugate gradient method for minimization	Saja O. T. Mohammad Eman T. Hamed	First Second	Aip conference		7/17/2023	Scopus
A hybridization of the Hestenes-Stiefel and Dai-Yuan Conjugate Gradient Methods	Yoksal Laylani Hisham M. Khudhur Edrees M. Nori Khalil K. Abbo	First Second Third fourth	EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS	Vol. 16, No. 2, 2023, 1059-1067	4/30/2023	Scopus
Quantitative structure-property relationship modelling for predicting retention indices of essential oils based on an improved horse herd optimization algorithm	A.M. Alharthi D.H. Kadir A.M. Al-Fakih N.A. Al-Thanoon.....	First Second Third fourth	SAR and QSAR in Environmental Research	Vol.34 Issue.10	10/27/2023	clarivate and scopes

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Solving linear differentiation equation system using fuzzy logic	Esraa M.B.Alobady Neam H. Alfahady	First Second	Eurasian Journal of Physics, Chemistry and Mathematics (EJPCM)	23	10/6/2023	Scientific Journals
Bifurcation Theory:A review	Salma M. Farris Manal S. Hamdi	First Second	Al- Rafidain of computer sciences Mathematics	17 2	10/2/2023	Local