

Published-Research-Department of Operations Research and Intelligent Techniques2023-2024

| Research Title | Researchers' Names | Order of the Researchers | Journal Name | The issue number is mentioned for the publication | Publication Date | Type of Journal |
|--|--|------------------------------------|--|---|------------------|----------------------|
| Investigating Codeswitching in YouTube Influencer's Speech | Zeyad Fadil Hmood Zainab Qusay Ahmed | First Second | Journal of Positive School Psychology | Vol. 6, No. 4 | 3/1/2024 | Local |
| Improving golden jackel optimization algorithm: An application of chemical data classification | Aiedh Mrisi Alharthi Dler Hussein Kadir Abdo Mohammed Al-Fakih Niam Abdulmunim Al-Thanoon | First Second Third fourth | Chemometrics and Intelligent Laboratory Systems | vol.250 | 5/17/2024 | Clarivate and Scopus |
| QSAR modelling of enzyme inhibition toxicity of ionic liquid based on chaotic spotted hyena optimization algorithm | A M Alharthi N A Al-Thanoon A M Al-Fakih Z Y Algamal | First Second Third fourth | SAR AND QSAR IN ENVIRONMENTAL RESEARCH | VOL. 35, NO. 9 | 9/30/2024 | Scopus |
| HWOA-TTA: A New Hybrid Metaheuristic Algorithm for Global Optimization and Engineering Design Applications | Huda Y. Najm Elaf Sulaiman Khaleel Eman T. Hamed Huda I. Ahmed | First Second Third fourth | International Journal of Mathematics and Mathematical Sciences | Volume 2024 | 9/16/2024 | Scopus |
| A better approximation to Sawada-Kotera via differential transform method with hybrid grey Wolf and Cuckoo algorithm | Karam Adel Abed | First | Journal of Interdisciplinary Mathematics | Vol. 27 (2024), No. 6. | 10/7/2024 | Scopus |
| Improving Meta-Heuristic Algorithms for Feature Selection in Multiclass Classification | Niam Abdulmunim Al-Thanoon Zakariya Yahya Algamal Omar Saber Qasim | First Second Third | Springer Nature Switzerland | volume 1138 | 11/22/2024 | clarivate and scopes |

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| Data envelopment analysis models to measure the relative and scale efficiency of educational institutions (Tikrit University as a model | Omar Ibrahim Mohammed Oday Jarjies | First Second | Iraqi Journal of Statistical Sciences | vol. 21, no.1, 2024 | 10/1/2024 | Local |
| A spatio-temporal model for temporal evolution of spatial extremal dependence | Véronique Maume-Deschamps Pierre Ribereau Manal Zeidan | First Second Third | Elsevier Spatial Statistics | 64 | 12/1/2024 | clarivate and scopes |
| Regionalization of the extremal dependence structure using spectral clustering | Véronique Maume-Deschamps Pierre Ribereau Manal Zeidan | First Second Third fourth | Springer stochastic Environmental Research and Risk Assessment | | | clarivate and scopes |
| Nonlinear Autorgressive Model for stability and prediction | Salim M. Ahmad Anas S. Youns Manal S. Hamdi | First Second Third | Journal of Applied Mathematics | | 12/22/2024 | Scopus |
| Electronic circuit and image encryption using a novel simple 4D hyperchaotic system | Karam Adel Abed Saad Fawzi Al-Azzawi Omar Saber Qasim | First Second Third | Physica Scripta | Volume 100, Number 1 | 12/2/2024 | clarivate and scopes |