

2024 PUBLICATIONS													
Publish	indexing (WOS + SCOPUS/WOS/SCOPUS)	WOS Index type for publication (AHCI/SCI/SCI-E/SSCI/ESCI/CPCI)	Publication Type (Article/Review/Manuscript)	Tag	Title	DOI	APC Yes/No	Impact Factor	Issue Type	WOS Q	Scopus Q	NEU Number of Authors	NEU Author Order
1	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Hassan, A., Aldakhil, M., Banat, A. M., Duwa, B. B., & Ozsahin, I. (2024). Design of endoscopic medical device.	Design of endoscopic medical device.	https://doi.org/10.1016/B978-0-443-14133-1.00013-6						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I.
2	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Edward, D., Cham, D., Idoko, J. B., & Ozsahin, I. (2024). A dual biventricular resynchronized pacemaker with a remote monitoring system.	A dual biventricular resynchronized pacemaker with a remote monitoring system.	https://doi.org/10.1016/B978-0-443-14133-1.00016-1						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
3	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Himaid, A., Emegano, D. I., & Ozsahin, I. (2024). Development of a brain-computer interface device converting brain signals to audio and written words.	Development of a brain-computer interface device converting brain signals to audio and written words.	https://doi.org/10.1016/B978-0-443-14133-1.00021-5						4	Ozsahin, D. U., Duwa, B. B., Emegano, D. I., & Ozsahin, I.
4	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Subedar, W. A. U. R., Edward, D., Barot, J. D., & Ozsahin, I. (2024). 3D Bioprinting of prosthetic legs.	3D Bioprinting of prosthetic legs.	https://doi.org/10.1016/B978-0-443-14133-1.00020-3						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
5	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Skaik, M., Al Obied, M., Abid, O., Duwa, B. B., & Ozsahin, I. (2024). Development of a polymerase chain reaction device.	Development of a polymerase chain reaction device.	https://doi.org/10.1016/B978-0-443-14133-1.00022-7						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I.
6	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Edward, D., Khorzom, L., Hussein, O. H., ... & Ozsahin, I. (2024). Voice-controlled prosthetic hand.	Voice-controlled prosthetic hand.	https://doi.org/10.1016/B978-0-443-14133-1.00024-0						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin,
7	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Tirah, G., Eldasougi, N. E., Naesa, M., ... & Ozsahin, I. (2024). Design considerations for diagnostic radiology department.	Design considerations for diagnostic radiology department.	https://doi.org/10.1016/B978-0-443-14133-1.00003-3						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
8	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Gambu, J., Günasti, C. Y., Yavuz, T., & Ozsahin, I. (2024). Face recognition application in healthcare using computer web camera.	Face recognition application in healthcare using computer web camera.	https://doi.org/10.1016/B978-0-443-14133-1.00002-1						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
9	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Eddin, M. S., & Ozsahin, I. (2024). Detection of retinal blood clots in the eye using laser doppler technology.	Detection of retinal blood clots in the eye using laser doppler technology	https://doi.org/10.1016/B978-0-443-14133-1.00014-8						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
10	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Haider, O., Ibrahim, I., Duwa, B. B., Alayouti, F., & Ozsahin, I. (2024). Construction of a miniaturized Covid-19 medical kit.	Construction of a miniaturized Covid-19 medical kit.	https://doi.org/10.1016/B978-0-443-14133-1.00012-4						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I.
11	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Rwiyeraka, A., Ishimwe, D., Hassan, S., & Ozsahin, I. (2024). Internet of things-based patient well-being monitoring system.	Internet of things-based patient well-being monitoring system.	https://doi.org/10.1016/B978-0-443-14133-1.00009-4						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
12	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Altartoor, S. M., Yousef, M. E. O., Duwa, B. B., & Ozsahin, I. (2024). Electromechanical hand-driven electromyogram signal.	Electromechanical hand-driven electromyogram signal.	https://doi.org/10.1016/B978-0-443-14133-1.00007-0						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I.

13	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Hassan, A., Aldakhil, M., Banat, A. M., Duwa, B. B., & Ozsahin, I. (2024). A speech recognition system using technologies of audio signal processing.	A speech recognition system using technologies of audio signal processing.	https://doi.org/10.1016/B978-0-443-14133-1.00001-X						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I
14	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., Tirah, G., Alchoib, A., Abuedia, A. M., ... & Ozsahin, I. (2024). Design of interactive neural input device for arm prosthesis.	Design of interactive neural input device for arm prosthesis.	https://doi.org/10.1016/B978-0-443-14133-1.00006-9						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
15	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Abuamsha, B. J., Duwa, B. B., & Ozsahin, I. (2024). The design of a noninvasive blood pressure measurement device.	The design of a noninvasive blood pressure measurement device	https://doi.org/10.1016/B978-0-443-14133-1.00004-5						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I
16	SCOPUS		Book Chapter	Ozsahin, D. U., Emegano, D. I., Bader, B. A., Duwa, B. B., & Ozsahin, I. (2024). Blood circuit in hemodialysis.	Blood circuit in hemodialysis.	https://doi.org/10.1016/B978-0-443-14133-1.00010-0						4	Ozsahin, D. U., Emegano, D. I., Duwa, B. B., & Ozsahin, I
17	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Edward, D., Ali, M. I., Idoko, J. B., & Ozsahin, I. (2024). Design and modeling of a novel blood sampling (Phlebotomy) chair.	Design and modeling of a novel blood sampling (Phlebotomy) chair.	https://doi.org/10.1016/B978-0-443-14133-1.00015-X						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
18	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Idoko, B., Aleter, A., Idoko, J. B., & Ozsahin, I. (2024). Sleep apnea detection device.	Sleep apnea detection device.	https://doi.org/10.1016/B978-0-443-14133-1.00008-2						4	Ozsahin, D. U., Duwa, B. B., Idoko, J. B., & Ozsahin, I.
19	SCOPUS		Book Chapter	Ozsahin, D. U., Duwa, B. B., Emegano, D. I., Mustapha, M. T., Usanase, N., Onakpojeruo, E. P., & Ozsahin, I. (2024). Construction of an automated hand sanitizer dispenser used against transmissible diseases.	Construction of an automated hand sanitizer dispenser used against transmissible diseases.	https://doi.org/10.1016/B978-0-443-14133-1.00023-9						7	Ozsahin, D. U., Duwa, B. B., Emegano, D. I., Mustapha, M. T., Usanase, N., Onakpojeruo, E. P., & Ozsahin, I.
20	WOS+SCOPUS	SCIE	Article	Ozsahin, D. U., Jalili, B., Asadi, Z., Shateri, A., Jalili, P., Ganji, D. D., ... & Nofal, T. A. (2024). Investigation of turbine cooling using semi-analytical methods in non-Newtonian fluid flow with porous wall. <i>Case Studies in Thermal Engineering</i> , 53, 103808.	Investigation of turbine cooling using semi-analytical methods in non-Newtonian fluid flow with porous wall	https://doi.org/10.1016/j.csite.2023.103808	6.8	Regular	Q1	Q1	2	Dilber Uzun Ozsahin, Hijaz Ahmad	
21	WOS+SCOPUS	SCIE	Article	Ibrahim, S., Sulaiman, T. A., Yusuf, A., Ozsahin, D. U., & Baleanu, D. (2024). Wave propagation to the doubly dispersive equation and the improved Boussinesq equation. <i>Optical and Quantum Electronics</i> , 56 (1), 20.	Wave propagation to the doubly dispersive equation and the improved Boussinesq equation	https://link.springer.com/article/10.1007/s11082-023-05571-5	3	Issue Type	Q2	Q2	1	Ozsahin, D. U.	
22	WOS+SCOPUS	ESCI	Article	Umar, H., Aliyu, M. R., & Ozsahin, D. U. (2024). Iron Oxide Nanoparticles Synthesized using Mentha spicata Extract and Evaluation of its Antibacterial, Cytotoxicity and Antimigratory Potential on Highly Metastatic Human Breast Cells. <i>Biomedical Physics & Engineering Express</i> .	Iron oxide nanoparticles synthesized using Mentha spicata extract and evaluation of its antibacterial, cytotoxicity and antimigratory potential on highly metastatic human breast cells	https://dx.doi.org/10.1088/2057-1976/ad3646	1.4	Regular	Q3	Q3	2	Huzatifa, U., Ozsahin, D. U.	
23	WOS+SCOPUS	SCIE	Article	Ali, A., Noor-ul-Amin, N.U.A., Ahmad, H., Noor, S., Sultana, S., Umar, H., Ahmad, H., Awwad, F.A. and Ismail, E.A., 2024. Synthesis and characterization of novel iron-modified geopolymer cement from laterite clay as low energy material. <i>AIP Advances</i> , 14(2).	Synthesis and characterization of novel iron-modified geopolymer cement from laterite clay as low energy material	https://doi.org/10.1063/5.0177022	1.6	Regular	Q3	Q3	2	Huzatifa, U., Hijaz Ahmad.	
24	WOS+SCOPUS	SCIE	Article	Gbadamosi, A., Adamu, H., Usman, J., Usman, A. G., Jibril, M. M., Salami, B. A., ... & Abba, S. I. (2024). New-generation machine learning models as prediction tools for modeling interfacial tension of hydrogen-brine system. <i>International Journal of Hydrogen Energy</i> , 50, 1326-1337.	New-generation machine learning models as prediction tools for modeling interfacial tension of hydrogen-brine system	https://doi.org/10.1016/j.ijhydene.2023.09.170	7.2	Regular	Q1	Q1	1	Usman, A. G.,	
25		SCOPUS	Article	Jibril, M. M., Malami, S. I., Jibrin, H. B., Muhammad, U. J., Duhu, M. A., Usman, A. G., ... & Abba, S. I. (2024). New random intelligent chemometric techniques for sustainable geopolymer concrete: low-energy and carbon-footprint initiatives. <i>Asian Journal of Civil Engineering</i> , 25(2), 2287-2305.	New random intelligent chemometric techniques for sustainable geopolymer concrete: low-energy and carbon-footprint initiatives	https://doi.org/10.1007/s42107-023-00908-7		Regular		Q3	2	Usman, A. G., Ozsahin, D. U.	
26	WOS+SCOPUS	ESCI	Article	Mati, S., Ismael, G. Y., Masoud, S., Hamad, K. Q., Mohammed, A. A., & Hussaini, M. (2024). Revisiting ECOWAS-Eurozone exports in the light of asymmetry. <i>Cogent Economics & Finance</i> , 12(1), 2309812.	Revisiting ECOWAS-Eurozone exports in the light of asymmetry	https://doi.org/10.1080/23322039.2024.2309812		Regular			1	Sagiru Mati	
27	WOS+SCOPUS	SCIE	Article	Sun, X. Q., Awosusi, A. A., Han, Z., Uzun, B., & Öncü, E. (2024). Racing towards environmental sustainability: a synergy between economic complexity, political stability, and energy transition: policy insight from a bootstrap time varying causality approach. <i>International Journal of Sustainable Development & World Ecology</i> , 31(2), 206-221.	Racing towards environmental sustainability: a synergy between economic complexity, political stability, and energy transition: policy insight from a bootstrap time varying causality approach	https://doi.org/10.1080/13504509.2023.2268573	NO	5.6	Regular	Q1	Q1	2	Abraham Ayobamiji Awosusi, Berna Uzun

28	WOS+SCOP US	SCIE	Article	Anser, M. K., Khan, K. A., Umar, M., Awosusi, A. A., & Shamansurova, Z. (2024). Formulating sustainable development policy for a developed nation: exploring the role of renewable energy, natural gas efficiency and oil efficiency towards decarbonization. <i>International Journal of Sustainable Development & World Ecology</i> , 31(3), 247-263.	Formulating sustainable development policy for a developed nation: exploring the role of renewable energy, natural gas efficiency and oil efficiency towards decarbonization	https://doi.org/10.1080/13504509.2023.2268586	NO	5.6	Regular	Q1	Q1	1	Abraham Ayobamiji Awosusi,
			Article	Sancar, N., Okonkwo, M. O. O., Onakpojeruo, E. P., Selma, J. S., Fannoh, J. J., Ibrahim, I., & Abidemi, S. U. (2024, February). A comparative study of statistical models for forecasting Covid-19 cases in Greece. In <i>AIP Conference Proceedings</i> (Vol. 3085, No. 1). AIP Publishing.	A comparative study of statistical models for forecasting Covid-19 cases in Greece.	https://doi.org/10.1063/5.0194723	NO		Regular			2	Onakpojeruo, E. P
29	WOS+SCOP US	SCIE	Article	Ma, X., Khan, M. N., Awosusi, A. A., Uzun, B., & Shamansurova, Z. (2024). Heterogeneous impact of green energy innovation on energy transition in the G7 nations: an aggregated and disintegrated analysis through advanced quantile approach. <i>International Journal of Sustainable Development & World Ecology</i> , 31(3), 264-278.	Heterogeneous impact of green energy innovation on energy transition in the G7 nations: an aggregated and disintegrated analysis through advanced quantile approach	https://doi.org/10.1080/13504509.2023.2277422	No	6.6	Regular	Q1	Q1	2	Abraham Ayobamiji Awosusi, Berna Uzun
30	WOS+SCOP US	SCIE	Article	Zhang, S., Ramzan, M., Awosusi, A. A., Eweade, B. S., & Ojekemi, O. S. (2024). Unraveling causal dynamics: Exploring resource efficiency and biomass utilization in Malaysia's context. <i>Renewable Energy</i> , 120368.	Unraveling causal dynamics: Exploring resource efficiency and biomass utilization in Malaysia's context	https://doi.org/10.1016/j.renene.2024.120368	No	8.7	Regular	Q1	Q1	1	Abraham Ayobamiji Awosusi,
31	WOS+SCOP US	SCIE	Article	Ofem, A. E., Abuchu, J. A., Ugwunnadi, G. C., Nabwey, H. A., Adamu, A., & Narain, O. K. (2024). Double inertial steps extragradient-type methods for solving optimal control and image restoration problems. <i>AIMS Mathematics</i> , 9(5), 12870-12905.	Double inertial steps extragradient-type methods for solving optimal control and image restoration problems	doi: 10.3934/math.2024629	YES	2.2	SI	Q1	Q1	1	Abubakar Adamu
32	WOS+SCOP US	SCIE	Article	Yao, Y., Adamu, A., & Shehu, Y. (2024). Forward–Reflected–Backward Splitting Algorithms with Momentum: Weak, Linear and Strong Convergence Results. <i>Journal of Optimization Theory and Applications</i> , 1-34.	Forward–Reflected–Backward Splitting Algorithms with Momentum: Weak, Linear and Strong Convergence Results	https://doi.org/10.1007/s10957-024-02410-9	NO	1.9	Regular	Q2	Q2	1	Abubakar Adamu
33	WOS+SCOP US	SCIE	Article	Yao, Y., Adamu, A., & Shehu, Y. (2024). Strongly convergent inertial forward-backward-forward algorithm without on-line rule for variational inequalities. <i>Acta Mathematica Scientia</i> , 44(2), 551-566.	Strongly convergent inertial forward-backward-forward algorithm without on-line rule for variational inequalities	https://doi.org/10.1007/s10473-024-0210-3	NO	1	Regular	Q2	Q2	1	Abubakar Adamu
34	WOS+SCOP US	SCIE	Article	Yao, Y., Adamu, A., Shehu, Y., & Yao, J. C. (2024). Simple proximal-type algorithms for equilibrium problems. <i>Journal of Global Optimization</i> , 1-30.	Simple proximal-type algorithms for equilibrium problems	https://doi.org/10.1007/s10898-024-01377-1	NO	1.8	Regular	Q2	Q2	1	Abubakar Adamu
35	WOS+SCOP US	SCIE	Article	D. U. Ozsahin, Z. S. Ameen, A. S. Hassan, and A. S. Mubarak, “Enhancing explainable SARS-CoV-2 vaccine development leveraging bee colony optimised Bi-LSTM, Bi-GRU models and bioinformatic analysis,” <i>Sci. Rep.</i> , vol. 14, no. 1, p. 6737, Mar. 2024,	Enhancing explainable SARS-CoV-2 vaccine development leveraging bee colony optimised Bi-LSTM, Bi-GRU models and bioinformatic analysis	10.1038/s41598-024-55762-7	YES	4.6	Regular	Q1	Q1	2	D. U. Ozsahin, Z. S. Ameen, and A. S. Mubarak
36	WOS+SCOP US	SCIE	Article	H. Abubakar, F. Al-Turjman, Z. S. Ameen, A. S. Mubarak, and C. Alturjman, “A hybridized feature extraction for COVID-19 multi-class classification on computed tomography images,” <i>Heliyon</i> , p. e26939.	A hybridized feature extraction for COVID-19 multi-class classification on computed tomography images	10.1016/j.heliyon.2024.e26939	YES	4	Regular	Q1	Q1	1	Z. S. Ameen, and A. S. Mubarak
37	WOS+SCOP US	SCIE	Article	A. S. Mubarak, S. Serte, F. Al Turjman, Z. Sa', and I. Ameen, “Data augmentation and denoising of computed tomography scan images in training deep learning models for rapid COVID-19 detection,” <i>Int. J. Bus. Intell. Data Min.</i> , vol. 24, no. 2, pp. 203–216, 2024	Data augmentation and denoising of computed tomography scan images in training deep learning models for rapid COVID-19 detection	10.1504/IJBIDM.2024.136438	NO	0.96	Regular	Q4	Q4	2	A. S. Mubarak and Z. S. Ameen
38	WOS+SCOP US	SCIE	Article	Vubangsi, M., Mubarak, A. S., & Al-Turjman, F. (2024). Enhancing predictive modeling of photovoltaic materials' solar power conversion efficiency using explainable AI. <i>Energy Reports</i> , 11, 3824-3835.	Enhancing predictive modeling of photovoltaic materials' solar power conversion efficiency using explainable AI	10.1016/j.egy.2024.03.035.	YES	5.2	Regular	Q1	Q1	1	Auwalu Saleh Mubarak
39	WOS+SCOP US	SCIE	Article	D. U. Ozsahin, Z. S. Ameen, A. S. Hassan, and A. S. Mubarak, “Enhancing explainable SARS-CoV-2 vaccine development leveraging bee colony optimised Bi-LSTM, Bi-GRU models and bioinformatic analysis,” <i>Sci. Rep.</i> , vol. 14, no. 1, p. 6737, Mar. 2024,	Enhancing explainable SARS-CoV-2 vaccine development leveraging bee colony optimised Bi-LSTM, Bi-GRU models and bioinformatic analysis	10.1038/s41598-024-55762-7	YES	4.6	Regular	Q1	Q1	3	D. U. Ozsahin, Z. S. Ameen, and A. S. Mubarak
40	WOS+SCOP US	SCIE	Article	H. Abubakar, F. Al-Turjman, Z. S. Ameen, A. S. Mubarak, and C. Alturjman, “A hybridized feature extraction for COVID-19 multi-class classification on computed tomography images,” <i>Heliyon</i> , p. e26939, Feb. 2024,	A hybridized feature extraction for COVID-19 multi-class classification on computed tomography images	10.1016/j.heliyon.2024.e26939	YES	4	Regular	Q1	Q1	2	Z. S. Ameen, and A. S. Mubarak
41	WOS+SCOP US	SCIE	Article	. S. Mubarak, S. Serte, F. Al Turjman, Z. Sa', and I. Ameen, “Data augmentation and denoising of computed tomography scan images in training deep learning models for rapid COVID-19 detection,” <i>Int. J. Bus. Intell. Data Min.</i> , vol. 24, no. 2, pp. 203–216, 2024	Data augmentation and denoising of computed tomography scan images in training deep learning models for rapid COVID-19 detection	10.1504/IJBIDM.2024.136438	NO	0.96	Regular	Q4	Q4	1	A. S. Mubarak and Z. S. Ameen
42	SCOPUS		Article	M. Vubangsi, T. R. Mangai, A. Olukayode, A. S. Mubarak, and F. Al-Turjman, “BERT-IDS: an intrusion detection system based on bidirectional encoder representations from transformers,” in <i>Computational Intelligence and Blockchain in Complex Systems</i> , Elsevier, 2024, pp. 147–155	BERT-IDS: an intrusion detection system based on bidirectional encoder representations from transformers	10.1016/B978-0-443-13268-1.00021-2	NO		Proceeding			1	A. S. Mubarak
43	SCOPUS		Book Chapter	I. Ozsahin, B.Uzun, M. T. Mustapha, N.Usanase, M. Yuvali, D. U. Ozsahin. (2024) BI-RADS-based classification of breast cancer mammogram dataset using six stand-alone machine learning algorithms	BI-RADS-based classification of breast cancer mammogram dataset using six stand-alone machine learning algorithms	10.1016/B978-0-323-95462-4.00008-X	NO					6	I. Ozsahin, B.Uzun, M. T. Mustapha, N.Usanase, M. Yuvali, D. U. Ozsahin.

44	SCOPUS		Book Chapter	I. Ozsahin, N. Usanase, B. Uzun, D. U.Ozsahin, M. T. Mustapha. (2024)A mathematical resolution in selecting suitable magnetic field-based breast cancer imaging modality: a comparative study on seven diagnostic techniques	A mathematical resolution in selecting suitable magnetic field-based breast cancer imaging modality: a comparative study on seven diagnostic techniques	10.1016/B978-0-323-95462-4.00007-8	NO						5	I. Ozsahin, N. Usanase, B. Uzun, D. U. Ozsahin, M. T. Mustapha.
	SCOPUS		Book Chapter	Uzun Ozsahin, D. et al. (2024) 'Design Considerations for Diagnostic Radiology Department', Practical Design and Applications of Medical Devices, pp. 161–178..	Design Considerations for Diagnostic Radiology Department', Practical Design and Applications of Medical Devices	10.1016/b978-0-443-14133-1.00003-3	NO						9	Dilber Uzun Ozsahin, Basil Duwa, John Idoko, Galaya Tirah, Nosaiba Elhassan Eldasougi, Mohamad Naesa, Mubarak Taiwo Mubarak, Saleem Attili, Ilker Ozsahin
	SCOPUS		Book Chapter	Mustapha, M.T., Ozsahin, I. and Ozsahin, D.U. (2024) 'Introduction to machine learning and artificial intelligence', Artificial Intelligence and Image Processing in Medical Imaging, pp. 1–19.	Introduction to machine learning and artificial intelligence', Artificial Intelligence and Image Processing in Medical Imaging	10.1016/b978-0-323-95462-4.00001-7.	NO						3	Mubarak Taiwo Mubarak, Ilker Ozsahin, Dilber Uzun Ozsahin
	SCOPUS		Book Chapter	Mustapha, M.T., Ozsahin, I. and Ozsahin, D.U. (2024a) 'Convolution Neural Network and deep learning', Artificial Intelligence and Image Processing in Medical Imaging, pp. 21–50.	Convolution Neural Network and deep learning', Artificial Intelligence and Image Processing in Medical Imaging,	10.1016/b978-0-323-95462-4.00002-9.	YES						3	Mustapha, M.T., Ozsahin, I. and Ozsahin, D.U
	SCOPUS/ SCIE		Article	Moustafa, I.M., Ozsahin, D.U., Mustapha, M.T. et al. Utilizing machine learning to predict post-treatment outcomes in chronic non-specific neck pain patients undergoing cervical extension traction. Sci Rep 14, 11781 (2024).	Utilizing machine learning to predict post-treatment outcomes in chronic non-specific neck pain patients undergoing cervical extension traction	10.1038/s41598-024-62812-7	YES							Ozsahin, D.U., Mustapha, M.T.
	SCOPUS/SCI E		Article	Rao, S. et al. (2024) 'Advanced computational methods for radiation dose optimization in CT', Diagnostics, 14(9), p. 921.	Advanced computational methods for radiation dose optimization in CT', Diagnostics	10.3390/diagnostics14090921.	YES							Mustapha, M.T., Ozsahin, D.U
	SCOPUS		Book Chapter	Mustapha, M.T. and Ozsahin, D.U. (2024) 'Class imbalance and its impact on predictive models for binary classification of disease: A comparative analysis', Artificial Intelligence and Image Processing in Medical Imaging, pp. 389–408.	Class imbalance and its impact on predictive models for binary classification of disease: A comparative analysis', Artificial Intelligence and Image Processing in Medical Imaging	doi:10.1016/b978-0-323-95462-4.00014-5.	YES						2	Mubarak Taiwo Mubarak, Dilber Uzun Ozsahin
45	WOS+SCOPUS		Article	Obiora, S. C., Bamisile, O., Hu, Y., Ozsahin, D. U., & Adun, H. (2024). Assessing the decarbonization of electricity generation in major emitting countries by 2030 and 2050: Transition to a high share renewable energy mix. Heliyon, 10(8).	Assessing the decarbonization of electricity generation in major emitting countries by 2030 and 2050: Transition to a high share renewable energy mix	10.1016/j.heliyon.2024.e28770	YES	4	Regular	Q1	Q1	2	Humphrey Adun, Dilber Uzun	
46	WOS+SCOPUS		Article	Adun, H., Ampah, J. D., Bamisile, O., Ozsahin, D. U., & Staffell, I. (2024). Sustainability implications of different carbon dioxide removal technologies in the context of Europe's climate neutrality goal. Sustainable Production and Consumption.	Sustainability implications of different carbon dioxide removal technologies in the context of Europe's climate neutrality goal	https://doi.org/10.1016/j.spc.2024.04.003	NO	12.1	Regular	Q1	Q1	2	Humphrey Adun, Dilber Uzun	
47	WOS+SCOPUS	SCIE	Article	Samour, A., Musah, M., Mati, S., & Amri, F. (2024). Testing the impact of environmental taxation and IFRS adoption on consumption-based carbon in European countries. Environmental Science and Pollution Research, 1-14.	Testing the impact of environmental taxation and IFRS adoption on consumption-based carbon in European countries	https://doi.org/10.1007/s11356-024-33481-w	NO	5.8	Regular	Q1	Q1	1	Sagiru Mati	
48	WOS		Conference	Mati, S., Danbatta, S. J., Varol, A., Nasab, A., Usman, A. G., Uzun, B., & Muhammad, A. (2024, April). Econometric and AI-Based Modelling of Nigeria's Interest Rates Based on Fisher Equation. In 2024 12th International Symposium on Digital Forensics and Security (ISDFS) (pp. 1-6). IEEE.	Econometric and AI-Based Modelling of Nigeria's Interest Rates Based on Fisher Equation	https://doi.org/10.1109/ISDFS60797.2024.10527285	YES					3	Sagiru Mati, Abdullahi Garba Usman, Berna Uzun	
49	WOS		Conference Paper	Mati, S., Civicir, I., Danbatta, S. J., Varol, A., Nasab, A., Muhammad, A., & Abba, S. I. (2024, April). Demystifying Knitr Package: Essential Recipes and Easy Steps for Adding Knit-Engines in R. In 2024 12th International Symposium on Digital Forensics and Security (ISDFS) (pp. 01-06). IEEE.	Demystifying Knitr Package: Essential Recipes and Easy Steps for Adding Knit-Engines in R	https://doi.org/10.1109/ISDFS60797.2024.10527232	YES					1	Sagiru Mati	
50	WOS	SCIE	Article	Yassin, M. A., Abba, S. I., Shah, S. M. H., Usman, A. G., Egbueri, J. C., Agbasi, J. C., ... & Scholz, M. (2024). Toward Decontamination in Coastal Regions: Groundwater Quality, Fluoride, Nitrate, and Human Health Risk Assessments within Multi-Aquifer Al-Hassa, Saudi Arabia. Water, 16(10), 1401.	Toward Decontamination in Coastal Regions: Groundwater Quality, Fluoride, Nitrate, and Human Health Risk Assessments within Multi-Aquifer Al-Hassa, Saudi Arabia	https://doi.org/10.3390/w16101401	YES	3.5	Regular	Q2	Q1	1	Abdullahi Garba Usman	
51	WOS	SCIE	Article	Abba, S. I., Usman, J., Abdulazeez, I., Yogarathinam, L. T., Usman, A. G., Lawal, D., ... & Aljundi, I. H. (2024). Enhancing Li+ recovery in brine mining: integrating next-gen emotional AI and explainable ML to predict adsorption energy in crown ether-based hierarchical nanomaterials. RSC advances, 14(21). 15129-15142.	Enhancing Li+ recovery in brine mining: integrating next-gen emotional AI and explainable ML to predict adsorption energy in crown ether-based hierarchical nanomaterials	Enhancing Li+ recovery in brine mining: integrating next-gen emotional AI and explainable ML to predict adsorption energy in crown ether-based hierarchical nanomaterials	YES	3.9	Regular	Q2	Q1	1	Abdullahi Garba Usman	

52	WOS+SCOP US	SCIE	Article	Uzun Ozsahin, D., Duwa, B. B., Ozsahin, I., & Uzun, B. (2024). Quantitative Forecasting of Malaria Parasite Using Machine Learning Models: MLR, ANN, ANFIS and Random Forest. <i>Diagnostics</i> , 14(4), 385.	Quantitative Forecasting of Malaria Parasite Using Machine Learning Models: MLR, ANN, ANFIS and Random Forest.	https://doi.org/10.3390/diagnostics14040385	YES	3.6	Regular	Q2	Q2	4	Uzun Ozsahin, D., Duwa, B. B., Ozsahin, I., & Uzun, B.
53	WOS+SCOP US	SCIE	Article	Ozsahin, D. U., Duwa, B. B., Uzun, B., Musa, M. S., & Ozsahin, I. (2024). Evaluation of new scintillation crystals with MCDM methods for brain PET. <i>Journal of Instrumentation</i> , 19(04), C04062.	Evaluation of new scintillation crystals with MCDM methods for brain PET	DOI 10.1088/1748-0221/19/04/C04062	YES	1.3	Regular	Q4	Q4	4	Uzun Ozsahin, D., Duwa, B. B., Ozsahin, I., & Uzun, B.
54	WOS+SCOP US	SCIE	Article	Ozsahin, D. U., Duwa, B. B., Uzun, B., Musa, M. S., & Ozsahin, I. (2024). Evaluation of new scintillation crystals with MCDM methods for brain PET. <i>Journal of Instrumentation</i> , 19(04), C04062.	Evaluation of new scintillation crystals with MCDM methods for brain PET	DOI 10.1088/1748-0221/19/04/C04063	YES	1.3	Regular	Q5	Q5	4	Uzun Ozsahin, D., Duwa, B. B., Ozsahin, I., & Uzun, B.
55	WOS+SCOP US	SCIE	Article	Baber, M.Z., Abbas, G., Saeed, I., Sulaiman, T.A., Ahmed, N., Ahmad, H., Yusuf, A., Ozsahin, D.U. (2024). Optical solitons for 2D-NLSE in multimode fiber with Kerr nonlinearity and its modulation instability. <i>Modern Physics Letters B</i> . 245034.	Optical solitons for 2D-NLSE in multimode fiber with Kerr nonlinearity and its modulation instability	https://doi.org/10.1142/S021798492450341X	NO	1.9	Regular	Q2	Q2	4	Sulaiman, T.A., Ahmad, H., Yusuf, A., Ozsahin, D.U.
56	WOS+SCOP US	SCIE	Article	Kumari, P.V., Gangadhar, K., Ganteda, C.K., Sulaiman, T.A. (2024). Multiple slips on Darcy–Forchheimer unsteady flow manifested with Cattaneo–Christov heat flux over a stretching sheet. <i>Modern Physics Letters B</i> . 2450304.	Multiple slips on Darcy–Forchheimer unsteady flow manifested with Cattaneo–Christov heat flux over a stretching sheet	https://doi.org/10.1142/S0217984924503044	NO	1.9	Regular	Q2	Q2	1	Sulaiman, T.A.
57	WOS+SCOP US	SCIE	Article	Shahzad, T., Baber, M.Z., Qasim, M., Sulaiman, T.A., Yasin, M.W., Ahmed, N. (2024). Explicit solitary wave profiles and stability analysis of biomembranes and nerves. <i>Modern Physics Letters B</i> . 2450305.	Explicit solitary wave profiles and stability analysis of biomembranes and nerves	https://doi.org/10.1142/S0217984924503056	NO	1.9	Regular	Q2	Q2	1	Sulaiman, T.A.
58	WOS+SCOP US	SCIE	Article	Younas, U., Yao, F., Ismael, H.F., Sulaiman, T.A., Murad, M.A.S. (2024). Sensitivity analysis and propagation of optical solitons in dual-core fiber optics. <i>Optical and Quantum Electronics</i> . 56(4), 548.	Sensitivity analysis and propagation of optical solitons in dual-core fiber optics	https://doi.org/10.1007/s11082-023-06220-7	NO	3	Regular	Q2	Q2	1	Sulaiman, T.A.
59	WOS+SCOP US	SCIE	Article	Murad, M.A.S., Ismael, H.F., Sulaiman, T.A., Bulut, H. (2024). Analysis of optical solutions of higher-order nonlinear Schrödinger equation by the new Kudryashov and Bernoulli's equation approaches. <i>Optical and Quantum Electronics</i> . 56(1), 76.	Analysis of optical solutions of higher-order nonlinear Schrödinger equation by the new Kudryashov and Bernoulli's equation approaches	https://doi.org/10.1007/s11082-023-05612-z	NO	3	Regular	Q2	Q2	1	Sulaiman, T.A.
60	WOS+SCOP US	SCIE	Article	Shahzad, T., Baber, M.Z., Sulaiman, T.A., Ahmad, M.O., Yasin, M. W. (2024). Optical wave profiles for the higher order cubic-quartic Bragg-gratings with anti-cubic nonlinear form. <i>Optical and Quantum Electronics</i> . 56(1), 67.	Optical wave profiles for the higher order cubic-quartic Bragg-gratings with anti-cubic nonlinear form	https://doi.org/10.1007/s11082-023-05615-w	NO	3	Regular	Q2	Q2	1	Sulaiman, T.A.
61	WOS+SCOP US	SCIE	Article	Shahzad, T., Baber, M.Z., Sulaiman, T.A., Ahmad, M.O., Ahmed, N. (2024). Extraction of optical solitons for nonlinear Biswas–Milovic equation in magneto-optic waveguide. <i>Optical and Quantum Electronics</i> . 56(1), 64.	Extraction of optical solitons for nonlinear Biswas–Milovic equation in magneto-optic waveguide	https://doi.org/10.1007/s11082-023-05531-z	NO	3	Regular	Q2	Q2	1	Sulaiman, T.A.
62	WOS+SCOP US	SCIE	Article	Ibrahim, S., Sulaiman, T.A., Yusuf, A., Ozsahin, D.U., Baleanu, D. (2024). Wave propagation to the doubly dispersive equation and the improved Boussinesq equation. <i>Optical and Quantum Electronics</i> . 56(1), 20.	Wave propagation to the doubly dispersive equation and the improved Boussinesq equation	https://doi.org/10.1007/s11082-023-05571-5	NO	3	Regular	Q2	Q2	3	Sulaiman, T.A., Yusuf, A., Ozsahin, D.U.
63	WOS+SCOP US	SCIE	Article	Younas, U., Ismael, H.F., Sulaiman, T.A., Yusuf, A. (2024). Dynamics of M-truncated optical solitons in fiber optics governed by fractional dynamical system. <i>Optical and Quantum Electronics</i> . 56(1), 25.	Dynamics of M-truncated optical solitons in fiber optics governed by fractional dynamical system	https://doi.org/10.1007/s11082-023-05619-6	NO	3	Regular	Q2	Q2	2	Sulaiman, T.A., Yusuf, A.
64	WOS+SCOP US	SCIE	Article	Abdel-Gawad, H.I., Sulaiman, T.A., Ismael, H.F. (2024). Bright–dark envelope-optical solitons in space-time reverse generalized Fokas–Lenells equation: Modulated wave gain. <i>Modern Physics Letters B</i> . 2450377.	Bright–dark envelope-optical solitons in space-time reverse generalized Fokas–Lenells equation: Modulated wave gain	https://doi.org/10.1142/S0217984924503779	NO	1.9	Regular	Q2	Q2	1	Sulaiman, T.A.
65	WOS+SCOP US	SCIE	Article	Younas, U., Muhammad, J., Ismael, H.F., Murad, M.A.S., Sulaiman, T.A. (2024). Optical fractional solitonic structures to decoupled nonlinear Schrödinger equation arising in dual-core optical fibers. <i>Modern Physics Letters B</i> . 2450378.	Optical fractional solitonic structures to decoupled nonlinear Schrödinger equation arising in dual-core optical fibers	https://doi.org/10.1142/S0217984924503780	NO	1.9	Regular	Q2	Q2	1	Sulaiman, T.A.
66	WOS+SCOP US	SCIE	Article	Baber, M.Z., Ahmed, N., Xu, C., Iqbal, M.S., Sulaiman, T.A. (2024). A computational scheme and its comparison with optical soliton solutions for the stochastic Chen–Lee–Liu equation with sensitivity analysis. <i>Modern Physics Letters B</i> . 2450376.	A computational scheme and its comparison with optical soliton solutions for the stochastic Chen–Lee–Liu equation with sensitivity analysis	https://doi.org/10.1142/S0217984924503767	NO	1.9	Regular	Q2	Q2	1	Sulaiman, T.A.
67	WOS+SCOP US	SCIE	Article	Muhammad Tariq, Sotiris K. Ntouyas, Hijaz Ahmad, Asif Ali Shaikh, Bandar Almohsen, Evren Hincal. A comprehensive review of Grüss-type fractional integral inequality[J]. <i>AIMS Mathematics</i> , 2024, 9(1): 2244-2281. doi: 10.3934/math.2024112	A comprehensive review of Grüss-type fractional integral inequality	https://doi.org/10.3934/math.2024112	Yes	2.2	Regular	Q1	Q1	1	Hijaz Ahmad
68	WOS+SCOP US	SCIE	Article	Ahmad H., Nasir J., Tariq M., Suleman M., Ntouyas S. K., Tariboon J., Fractional Mercer's Hermite–Hadamard type inequalities in the frame of interval analysis and its applications to matrix. <i>J Math Comput SCI-JM</i> . (2024); 33(4):352–367	Fractional Mercer's Hermite–Hadamard type inequalities in the frame of interval analysis and its applications to matrix	https://dx.doi.org/10.22436/jmcs.033.04.03	Yes	2.5	Regular	Q1	Q1	1	Hijaz Ahmad
69	WOS+SCOP US	SCIE	Article	Sharief Basha S, Ramesh O, Tarakaramu N, Ahmad H, Askar S, Sivajothi R. An assessment of fertilizer spraying drones based on hesitancy fuzzy similarity measures for sustainable green development. <i>AIP Advances</i> . 2024 Jan 1;14(1).	An assessment of fertilizer spraying drones based on hesitancy fuzzy similarity measures for sustainable green development	https://doi.org/10.1063/5.0177649	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad

70	WOS+SCOP US	SCIE	Article	Zulqarnain, R. M., Khalil, H., Siddique, I., Ahmad, H., Askar, S. et al. (2024). Einstein Hybrid Structure of q-Rung Orthopair Fuzzy Soft Set and Its Application for Diagnosis of Waterborne Infectious Disease. CMES-Computer Modeling in Engineering & Sciences, 139(2), 1863–1892.	Einstein Hybrid Structure of q-Rung Orthopair Fuzzy Soft Set and Its Application for Diagnosis of Waterborne Infectious Disease	https://doi.org/10.32604/cmescs.2023.031480	Yes	2.4	Regular	Q3	Q2	1	Hijaz Ahmad
71	WOS+SCOP US	SCIE	Article	Ahmad H, Alnahdi AS, Bilal M, Daher Albalwi M, Faqih AA. Energy and mass transmission through hybrid nanofluid flow passing over a spinning sphere with magnetic effect and heat source/sink. Nanotechnology Reviews. 2024 Jan 29;13(1):20230194.	Energy and mass transmission through hybrid nanofluid flow passing over a spinning sphere with magnetic effect and heat source/sink	https://doi.org/10.1515/ntrev-2023-0194	Yes	7.4	Regular	Q1	Q1	1	Hijaz Ahmad
72	WOS+SCOP US	SCIE	Article	Iqbal K, Muslim Raza SM, Butt MM, Ahmad H, Askar S. On exploring the generalized mixture estimators under simple random sampling and application in health and finance sector. AIP Advances. 2024 Jan 1;14(1).	On exploring the generalized mixture estimators under simple random sampling and application in health and finance sector	https://doi.org/10.1063/5.0176945	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
73	WOS+SCOP US	SCIE	Article	Alnahdi AS, Khan A, Gul T, Ahmad H. Stagnation Point Nanofluid Flow in a Variable Darcy Space Subject to Thermal Convection Using Artificial Neural Network Technique. Arabian Journal for Science and Engineering. 2024 Jan 29:1-8.	Stagnation Point Nanofluid Flow in a Variable Darcy Space Subject to Thermal Convection Using Artificial Neural Network Technique	https://doi.org/10.1007/s13369-023-08697-6	No	2.9	Regular	Q2	Q1	1	Hijaz Ahmad
74	WOS+SCOP US	SCIE	Article	Khan MS, Gul B, Benabdellah G, Ahmad B, Karim MR, Alnaser IA, Ahmad H. First-principles study of the electronic structure, optical, thermodynamic, and thermoelectric nature in MgACu3Se4 (A= Sc, Y) semiconductors. Optical and Quantum Electronics. 2024 Feb 1;56(4): 609.	First-principles study of the electronic structure, optical, thermodynamic, and thermoelectric nature in MgACu3Se4 (A= Sc, Y) semiconductors	https://doi.org/10.1007/s11082-023-06264-9	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
75	WOS+SCOP US	SCIE	Article	Khan MS, Gul B, Benabdellah G, Khan G, Ahmad B, Wabaidur SM, Tighezza AM, Ahmad H. The enhanced optoelectronic, and thermoelectric nature of novel KXCuS3 (X= Zr, Hf) semiconductors: An inclusive ab-initio study. Optik. 2024 Feb 2:171660.	The enhanced optoelectronic, and thermoelectric nature of novel KXCuS3 (X= Zr, Hf) semiconductors: An inclusive ab-initio study	https://doi.org/10.1016/j.jlelo.2024.171660	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
76	WOS+SCOP US	SCIE	Article	Ali KK, Zafar A, Razzaq W, Ahmad H, Awwad FA, Ismail EA. The kink solitary wave and numerical solutions for conformable non-linear space–time fractional differential equations. Results in Physics. 2024 Feb 8:107423.	The kink solitary wave and numerical solutions for conformable non-linear space–time fractional differential equations.	https://doi.org/10.1016/j.rinp.2024.107423	Yes	5.3	Regular	Q2	Q1	1	Hijaz Ahmad
77	WOS+SCOP US	SCIE	Article	Islam T, Fayz-Al-Asad M, Khatun MA, Parveen N, Ahmed H, Askar S. Natural convection heat transport performance of nanofluids under the influence of inclined magnetic field. Results in Physics. 2024 Feb 9:107365.	Natural convection heat transport performance of nanofluids under the influence of inclined magnetic field	https://doi.org/10.1016/j.rinp.2024.107365	Yes	5.3	Regular	Q2	Q1	1	Hijaz Ahmad
78	WOS+SCOP US	SCIE	Article	Khan MS, Gul B, Ahmad B, Ullah Z, Khan G, Ifseisi AA, Ahmad H. First-principles investigation of InAgAsSe4 (A= Ge, Sn) quaternary chalcogenides: Unveiling electronic, optical, and thermoelectric features. Chemical Physics Letters. 2024 Feb 9:141133.	First-principles investigation of InAgAsSe4 (A= Ge, Sn) quaternary chalcogenides: Unveiling electronic, optical, and thermoelectric features	https://doi.org/10.1016/j.cplett.2024.141133	No	2.8	Regular	Q3	Q2	1	Hijaz Ahmad
79	WOS+SCOP US	SCIE	Article	Ali A, Noor-ul-Amin NU, Ahmad H, Noor S, Sultana S, Umar H, Ahmad H, Awwad FA, Ismail EA. Synthesis and characterization of novel iron-modified geopolymer cement from laterite clay as low energy material. AIP Advances. 2024 Feb 1:14(2).	Synthesis and characterization of novel iron-modified geopolymer cement from laterite clay as low energy material	https://doi.org/10.1063/5.0177022	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
80	WOS+SCOP US	SCIE	Article	Ullah K, Ishaq M, Naz MA, Rahaman M, Soomar AM, Ahmad H, Alam MN. Design of dual loop controller for boost converter based on PI controller. AIP Advances. 2024 Feb 15:14(2).	Design of dual loop controller for boost converter based on PI controller	https://doi.org/10.1063/5.0191079	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
81	WOS+SCOP US	SCIE	Article	Jalili P, Asadi Z, Shateri A, Jalili B, Ahmad H, Albalwi MD, Ganji DD. Thermal analysis of nanofluid magnetic flow on a rotating disk in the presence of radiation considering response surface method. Modern Physics Letters B. 2024 Feb 15:2450217.	Thermal analysis of nanofluid magnetic flow on a rotating disk in the presence of radiation considering response surface method	https://doi.org/10.1142/S0217984924502178	No	1.9	Regular	Q3	Q2	1	Hijaz Ahmad
82	WOS+SCOP US	SCIE	Article	Sharma R, Chaudhary AR, Mehta R, Tomar RS, Ozsahin DU, Askar S, Ahmad H. Power characteristics of a high-performance helix traveling wave tube. Case Studies in Thermal Engineering. 2024 Mar 1:104199.	Power characteristics of a high-performance helix traveling wave tube	https://doi.org/10.1016/j.csite.2024.104199	Yes	6.8	Regular	Q1	Q1	2	Dilber Uzun Ozsahin, Hijaz Ahmad
83	WOS+SCOP US	SCIE	Article	Anjapuli Panneer Selvam, Venkatesan Govindaraj, Hijaz Ahmad, Examining reachability criteria for fractional dynamical systems with mixed delays in control utilizing ψ -Hilfer pseudo-fractional derivative, Chaos, Solitons & Fractals,181,2024,114702.	Examining reachability criteria for fractional dynamical systems with mixed delays in control utilizing ψ -Hilfer pseudo-fractional derivative	https://doi.org/10.1016/j.chaos.2024.114702	No	7.8	Regular	Q1	Q1	1	Hijaz Ahmad
84	WOS+SCOP US	SCIE	Article	Shahzad MH, Nadeem S, Ahmad H, Hussein M, Awan AU, Alroobaea R, Allahyani SA. Entropy-based analysis of hemodynamics in elliptical arterial flows with non-Newtonian Rabinowitsch fluid. Modern Physics Letters B. 2024 Mar 12:2450276.	Entropy-based analysis of hemodynamics in elliptical arterial flows with non-Newtonian Rabinowitsch fluid	https://doi.org/10.1142/S0217984924502762	No	1.9	Regular	Q3	Q2	1	Hijaz Ahmad
85	WOS+SCOP US	SCIE	Article	us Salam, W., Tariq, H., Rafeeq, R. et al. New solitary wave solutions to Biswas–Milovic and resonant nonlinear Schrödinger equations. Opt Quant Electron 56, 744 (2024).	New solitary wave solutions to Biswas–Milovic and resonant nonlinear Schrödinger equations	https://doi.org/10.1007/s11082-024-06286-x	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
86	WOS+SCOP US	SCIE	Article	Ahmad H, Qousini M, Rahman RU. An enormous diversity of fractional-soliton solutions with sensitive prodigy to the $\$Tzitzacute\{e\}$ ica $\$S$ –Dodd–Bullough equation. Optical and Quantum Electronics. 2024 May;56(5):1-22.	An enormous diversity of fractional-soliton solutions with sensitive prodigy to the $\$Tzitzacute\{e\}$ ica $\$S$ –Dodd–Bullough equation	https://doi.org/10.1007/s11082-023-06222-5	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
87	WOS+SCOP US	SCIE	Article	Ahmad A, Farooq QM, Ahmad H, Ozsahin DU, Tchier F, Ghaffar A, Mustafa G. Study on symptomatic and asymptomatic transmissions of COVID-19 including flip bifurcation. International Journal of Biomathematics. 2024 Jan 19.	Study on symptomatic and asymptomatic transmissions of COVID-19 including flip bifurcation	https://doi.org/10.1142/S1793524524500025	No	2.2	Regular	Q3	Q1	2	Dilber Uzun Ozsahin, Hijaz Ahmad

88	WOS+SCOP US	SCIE	Article	Mohamed J. Saadh, Ammar kh. Hammad, Nada Othman Kattab, Saad khudhur Mohammed, Hijaz Ahmad, Gaber E. Eldesoky, Salim B. Alsaadi, Ahmed Read Al-Tameemi & Ahmed Elawady (2024) Theoretical investigation of formaldehyde recognition by aluminum nitride nanoclusters(AI12N12): a DFT approach, Molecular Physics, DOI: 10.1080/00268976.2024.2329211	Theoretical investigation of formaldehyde recognition by aluminum nitride nanoclusters(AI12N12): a DFT approach	https://doi.org/10.1080/00268976.2024.2329211	No	1.7	Regular	Q4	Q2	1	Hijaz Ahmad
89	WOS+SCOP US	SCIE	Article	Hussain M, Zaman Q, Khan L, Metawa AE, Awwad FA, Ismail EA, Wasim D, Ahmad H. Improved exponential type mean estimators for non-response case using two concomitant variables in simple random sampling. Heliyon. 2024 Mar 30;10(6).	Improved exponential type mean estimators for non-response case using two concomitant variables in simple random sampling	https://doi.org/10.1016/j.heliyon.2024.e27535	Yes	4	Regular	Q2	Q1	1	Hijaz Ahmad
90	WOS+SCOP US	SCIE	Article	Tighezza AM, Khan MS, Gul B, Khan G, Ahmad B, Ahmad H. Computational analysis of AIXSnSe4 (X= Ag and Cu) quaternary compounds: Uncovering first-principles insights into electronic structure, optical, and thermoelectric nature. Chemical Physics Letters. 2024 Apr 16;841:141198.	Computational analysis of AIXSnSe4 (X= Ag and Cu) quaternary compounds: Uncovering first-principles insights into electronic structure, optical, and thermoelectric nature	https://doi.org/10.1016/j.cplett.2024.141198	No	2.8	Regular	Q3	Q2	1	Hijaz Ahmad
91	WOS+SCOP US	SCIE	Article	Ali R, Zhang Z, Ahmad H. Exploring soliton solutions in nonlinear spatiotemporal fractional quantum mechanics equations: an analytical study. Optical and Quantum Electronics. 2024 May;56(5):1-31.	Exploring soliton solutions in nonlinear spatiotemporal fractional quantum mechanics equations: an analytical study	https://doi.org/10.1007/s11082-024-06370-2	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
92	WOS+SCOP US	SCIE	Article	Alnahdi AS, Khan Z, Gul T, Ahmad H. The Flow of Jeffrey Nanofluid through Cone-Disk Gap for Thermal Applications using Artificial Neural Networks. Journal of Applied and Computational Mechanics. 2024 Mar 19.	The Flow of Jeffrey Nanofluid through Cone-Disk Gap for Thermal Applications using Artificial Neural Networks	https://doi.org/10.22055/jaem.2024.45278.4345	No	3.1	Regular	Q1	Q1	1	Hijaz Ahmad
93	WOS+SCOP US	SCIE	Article	Abu-Shady M, Ahmad H, Alotaibi H, Ali AR. Investigating the fractional wave function and the impact of topological defects with anisotropic plasma on the dissociation of bottomonium in the fractional non-relativistic quark model. AIP Advances. 2024 Apr 1;14 (4).	Investigating the fractional wave function and the impact of topological defects with anisotropic plasma on the dissociation of bottomonium in the fractional non-relativistic quark model	https://doi.org/10.1063/5.0179489	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
94	WOS+SCOP US	SCIE	Article	Ahmad S, Adichwal NK, Aamir M, Shabbir J, Alsadat N, Elgarhy M, Ahmad H. An enhanced estimator of finite population variance using two auxiliary variables under simple random sampling. Scientific Reports. 2023 Dec 5;13(1):21444.	An enhanced estimator of finite population variance using two auxiliary variables under simple random sampling	https://doi.org/10.1038/s41598-023-44169-5	Yes	4.6	Regular	Q1	Q1	1	Hijaz Ahmad
95	WOS+SCOP US	SCIE	Article	Zahran EH, Ahmad H, Rahaman M, Ibrahim RA. Soliton solutions in (2+ 1)-dimensional integrable spin systems: an investigation of the Myrzakulov–Lakshmanan equation-II. Optical and Quantum Electronics. 2024 Apr 8;56(5):895.	Soliton solutions in (2+ 1)-dimensional integrable spin systems: an investigation of the Myrzakulov–Lakshmanan equation-II	https://doi.org/10.1007/s11082-024-06602-5	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
96	WOS+SCOP US	SCIE	Article	Byeon H., Abisha M., Sherine V. R., Xavier G. B. A., Prema S., Govindan V., Ahmad H., Priadarshani D., El-Morsy S., Discrete version of fundamental theorems of fractional order integration for nabla operator. J Math Comput SCI-JM. (2024); 34(4):381–393	Discrete version of fundamental theorems of fractional order integration for nabla operator	https://dx.doi.org/10.22436/jmcs.034.04.05	Yes	2.5	Regular	Q1	Q1	1	Hijaz Ahmad
97	WOS+SCOP US	SCIE	Article	Ozsahin DU, Khan NA, Aqeel A, Ahmad H, Alotaibi MF, Ayaz M. Mathematical modeling and dynamics of immunological exhaustion caused by measles transmissibility interaction with HIV host. Plos one. 2024 Apr 18;19(4):e0297476.	Mathematical modeling and dynamics of immunological exhaustion caused by measles transmissibility interaction with HIV hos	https://doi.org/10.1371/journal.pone.0297476	Yes	3.7	Regular	Q2	Q1	2	Dilber Uzun Ozsahin, Hijaz Ahmad
98	WOS+SCOP US	SCIE	Article	Vishnukumar KS, Sivalingam SM, Ahmad H, Govindaraj V. Controllability of the time-varying fractional dynamical systems with a single delay in control. Nonlinear Dynamics. 2024 Mar 28:1-7.	Controllability of the time-varying fractional dynamical systems with a single delay in control	https://doi.org/10.1007/s11071-024-09411-3	No	5.6	Regular	Q1	Q1	1	Hijaz Ahmad
99	WOS+SCOP US	SCIE	Article	Jan A, Shah RA, Ahmad H, Bilal H, Almohsen B. Dynamic behavior of enzyme kinetics cooperative chemical reactions. AIP Advances. 2024 Mar 1;14(3).	Dynamic behavior of enzyme kinetics cooperative chemical reactions	https://doi.org/10.1063/5.0186841	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
100	WOS+SCOP US	SCIE	Article	Li S, Leng Y, Atta G, Ahmad S, Ali K, Idris SA, Ahmad H. Thermal Attributes of Sodium Alginate (Na. C6H7O6) based Binary and Ternary Hybrid Nanofluids under Activation Energy and Induced Magnetic Field Environment. Case Studies in Thermal Engineering. 2024 Apr 27:104449.	Thermal Attributes of Sodium Alginate (Na. C6H7O6) based Binary and Ternary Hybrid Nanofluids under Activation Energy and Induced Magnetic Field Environment	https://doi.org/10.1016/j.csite.2024.104449	Yes	6.8	Regular	Q1	Q1	1	Hijaz Ahmad
101	WOS+SCOP US	SCIE	Article	Ozsahin DU, Ceesay B, Baber MZ, Ahmed N, Raza A, Rafiq M, Ahmad H, Awwad FA, Ismail EA. Multiwaves, breathers, lump and other solutions for the Heimbürg model in biomembranes and nerves. Scientific Reports. 2024 May 3;14(1):10180.	Multiwaves, breathers, lump and other solutions for the Heimbürg model in biomembranes and nerves	https://doi.org/10.1038/s41598-024-60689-0	Yes	4.6	Regular	Q1	Q1	2	Dilber Uzun Ozsahin, Hijaz Ahmad
102	WOS+SCOP US	SCIE	Article	Gupta V, Barak MS, Ahmad H, Das S, Almohsen B. Response of Moisture and Temperature Diffusivity on an Orthotropic Hygro-thermo-piezo-elastic Medium. Journal of Nonlinear Mathematical Physics. 2024 Dec;31(1):1-26.	Response of Moisture and Temperature Diffusivity on an Orthotropic Hygro-thermo-piezo-elastic Medium	https://doi.org/10.1007/s44198-024-00187-z	No	0.7	Regular	Q4	Q3	1	Hijaz Ahmad
103	WOS+SCOP US	SCIE	Article	Zahran EH, Ahmad H. New Perceptions for the Soliton Solutions to the Complex Wave Patterns Model Against its Numerical Solutions. International Journal of Theoretical Physics. 2024 May 3;63(5):115.	New Perceptions for the Soliton Solutions to the Complex Wave Patterns Model Against its Numerical Solutions	https://doi.org/10.1007/s10773-024-05631-w	No	1.4	Regular	Q3	Q2	1	Hijaz Ahmad
104	WOS+SCOP US	SCIE	Article	Ullah, A.Z., Azam, S., Aamer, M. et al. Effect of Eu Concentration on the Optical Properties of BaMgSiO4 Long Persisting Phosphorous Material. Silicon (2024).	Effect of Eu Concentration on the Optical Properties of BaMgSiO4 Long Persisting Phosphorous Material	https://doi.org/10.1007/s12633-024-02957-2	No	3.4	Regular	Q3	Q1	1	Hijaz Ahmad
105	WOS+SCOP US	SCIE	Article	Rashid T, Jaradat MM, Yolacan E, Ahmad H. On Prime Counting Functions Using Odd \$ K \$-Almost Primes. European Journal of Pure and Applied Mathematics. 2024 Apr 30;17(2):1146-54.	On Prime Counting Functions Using Odd \$ K \$-Almost Primes	https://doi.org/10.29020/nybg.ejpam.v17i2.4961	Yes	0.7	Regular	Q3	Q3	1	Hijaz Ahmad

106	WOS+SCOP US	SCIE	Article	Khader MM, Ahmad H, Adel M, Megahed AM. Numerical analysis of the MHD Williamson nanofluid flow over a nonlinear stretching sheet through a Darcy porous medium: Modeling and simulation. Open Physics. 2024 May 4;22(1):20240016.	Numerical analysis of the MHD Williamson nanofluid flow over a nonlinear stretching sheet through a Darcy porous medium: Modeling and simulation	https://doi.org/10.1515/phys-2024-0016	Yes	1.9	Regular	Q3	Q3	1	Hijaz Ahmad
107	WOS+SCOP US	SCIE	Article	Bacha AA, Suhail M, Awwad FA, Ismail EA, Ahmad H. Role of dietary fiber and lifestyle modification in gut health and sleep quality. Frontiers in Nutrition. 2024 Apr 3;11:1324793.	Role of dietary fiber and lifestyle modification in gut health and sleep quality	https://doi.org/10.3389/fnut.2024.1324793	Yes	5	Regular	Q2	Q1	1	Hijaz Ahmad
108	WOS+SCOP US	SCIE	Article	Ahmad H, Farooq M, Khan I, Nawaz R, Fewster-Young N, Askar S. Analysis of nonlinear fractional-order Fisher equation using two reliable techniques. Open Physics. 2024 May 11;22(1):20230185.	Analysis of nonlinear fractional-order Fisher equation using two reliable techniques	https://doi.org/10.1515/phys-2023-0185	Yes	1.9	Regular	Q3	Q3	1	Hijaz Ahmad
109	WOS+SCOP US	SCIE	Article	Ali R, Zhang Z, Ahmad H, Alam MM. The analytical study of soliton dynamics in fractional coupled Higgs system using the generalized Khater method. Optical and Quantum Electronics. 2024 May 10;56(6):1067.	The analytical study of soliton dynamics in fractional coupled Higgs system using the generalized Khater method	https://doi.org/10.1007/s11082-024-06924-4	No	3	Regular	Q2	Q2	1	Hijaz Ahmad
110	WOS+SCOP US	SCIE	Article	Mohamed Atheeqe A., Sharief Basha S., Nune Pratyusha, C. Raghavendra Reddy, Md Nur Alam, Hijaz Ahmad, Nainaru Tarakaramu, Sreenivasulu K.: The application of cosine similarity measures with Laplacian energy to q-rung orthopair fuzzy graphs in decision-making problems. AIP Advances 1 May 2024; 14 (5): 055132.	The application of cosine similarity measures with Laplacian energy to q-rung orthopair fuzzy graphs in decision-making problems	https://doi.org/10.1063/5.0202907	Yes	1.6	Regular	Q3	Q3	1	Hijaz Ahmad
111	WOS+SCOP US	SCIE	Article	Hussain M, Zaman Q, Ahmad H, Albalawi O, Iftikhar S. Improved exponential type variance estimators for population utilizing supplementary information. Heliyon. 2024 May 18.	Improved exponential type variance estimators for population utilizing supplementary information	https://doi.org/10.1016/j.heliyon.2024.e31529	Yes	4	Regular	Q1	Q1	1	Hijaz Ahmad
112	WOS+SCOP US	SCIE	Article	Hassan AS, Alsadat N, Elgarhy M, Ahmad H, Nagy HF. On Estimating Multi-Stress Strength Reliability for Inverted Kumaraswamy Under Ranked Set Sampling with Application in Engineering. Journal of Nonlinear Mathematical Physics. 2024 May 21;31(1):30.	On Estimating Multi-Stress Strength Reliability for Inverted Kumaraswamy Under Ranked Set Sampling with Application in Engineering	https://doi.org/10.1007/s44198-024-00196-y	Yes	0.7	Regular	Q3	Q3	1	Hijaz Ahmad
113	WOS+SCOP US	SCIE	Article	Kumar M, Kaswan P, Kumari M, Ahmad H, Askar S. Cattano Christov Double Diffusion Model for Third Grade Nanofluid Flow over a Stretching Riga Plate with Entropy Generation Analysis. Heliyon. 2024 May 6.	Cattano Christov Double Diffusion Model for Third Grade Nanofluid Flow over a Stretching Riga Plate with Entropy Generation Analysis	https://doi.org/10.1016/j.heliyon.2024.e30188	Yes	4	Regular	Q1	Q1	1	Hijaz Ahmad
114	WOS+SCOP US	SCIE	Article	M. Benaafi, S. I. Abba, M. Opeyemi Oyedeji, A. S. Mubarak, J. Usman, and I. H. Aljundi	Experimental-based groundwater salinization from the carbonate aquifer of eastern Saudi Arabia: Insight into machine learning coupled with meta-heuristic algorithms	10.1038/s41598-024-59291-1	Yes	3.9	Regular	Q1	Q1	1	Auwalu Saleh Mubarak
115	WOS+SCOP US	SCIE	Article	A. S. Mubarak, Z. S. Ameen, A. S. Hassan, and D. U. Ozsahin	Enhancing tuberculosis vaccine development: a deconvolution neural network approach for multi-epitope prediction.	10.1038/s41598-024-59291-1	Yes	4.6	Regular	Q1	Q2	3	A. S. Mubarak, Z. S. Ameen, and D. U. Ozsahin
116	WOS+SCOP US	SCIE	Article	Onakpojeruo, E. P., Mustapha, M. T., Ozsahin, D. U., & Ozsahin, I. (2024). A Comparative Analysis of the Novel Conditional Deep Convolutional Neural Network Model, Using Conditional Deep Convolutional Generative Adversarial Network-Generated Synthetic and Augmented Brain Tumor Datasets for Image Classification. Brain Sciences, 14(6), 559.	A Comparative Analysis of the Novel Conditional Deep Convolutional Neural Network Model, Using Conditional Deep Convolutional Generative Adversarial Network-Generated Synthetic and Augmented Brain Tumor Datasets for Image Classification.	https://doi.org/10.3390/brainsci14060559	Yes	3.6	Regular	Q1	Q1	4	Onakpojeruo, E. P., Mustapha, M. T., Ozsahin, D. U., & Ozsahin, I.
117	WOS+SCOP US	SCIE	Article	Ozgocmen, C., Balcioglu, O., Uzun, B., & Uzun Ozsahin, D. (2024). Inotrope Analysis for Acute and Chronic Reduced-EF Heart Failure Using Fuzzy Multi-Criteria Decision Analysis. Applied Sciences, 14 (11), 4431.	Inotrope Analysis for Acute and Chronic Reduced-EF Heart Failure Using Fuzzy Multi-Criteria Decision Analysis.	https://doi.org/10.3390/app14114431	Yes	4.5	Regular	Q2	Q2	3	Balcioglu, O., Uzun, B., & Uzun Ozsahin, D.
118		SCOPUS	Article	Ozsahin, I., Zhou, L., Wang, X., Garetti, J., Jamison, K., Xi, K., ... & Butler, T. A. (2024). Diffusion Tensor Imaging Along Perivascular Spaces (DTI-ALPS) to Assess Effects of Age, Sex, and Head Size on Interstitial Fluid Dynamics in Healthy Subjects. Journal of Alzheimer's Disease Reports, 8(1), 355.	Diffusion Tensor Imaging Along Perivascular Spaces (DTI-ALPS) to Assess Effects of Age, Sex, and Head Size on Interstitial Fluid Dynamics in Healthy Subjects	https://doi.org/10.3233%2FADR-230143	Yes	3.2	Regular	Q2	Q2	1	Ozsahin, I
119	WOS+SCOP US	SCIE	Article	Abdulrahman, M. D., Usman, A. G., Ozsahin, D. U., Ibrahim, A. U., & Abba, S. I. (2024). Novel Ensemble Machine Learning Paradigms for the Prediction of Antioxidant Activity of Bryophyllum pinnatum (Lam.) Oken. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, 1-13.	Novel Ensemble Machine Learning Paradigms for the Prediction of Antioxidant Activity of Bryophyllum pinnatum (Lam.) Oken.	https://link.springer.com/article/10.1007/s40011-024-01619-y	Yes	0.9	Regular	Q3	Q3	2	Usman, A. G., Ozsahin, D. U
120	WOS + SCOPUS	ESCI	Article	David, L. R., Elshami, W., Lawal, O., Panakkal, N., Visakh, T., Abuzaid, M., ... & Yuvali, M. (2024). Evolving radiographic practice: Identifying possible skill requirements for future radiographers practicing in the United Arab Emirates (UAE). Journal of Medical Imaging and Radiation Sciences, 55(3), 101393.	Evolving radiographic practice: Identifying possible skill requirements for future radiographers practicing in the United Arab Emirates (UAE)	https://doi.org/10.1016/j.jmir.2024.02.018	No	1.8	Regular	Q3	Q3	1	Yuvali, M.
121	WOS+SCOP US	SCIE	Article	Adun, H., Abid, M., Kavaz, D., Hu, Y., & Zaini, J. H. (2024). Exploring the density characteristics of a novel Al2O3-ZnO-Fe3O4 ternary hybrid nanofluid through experimental research and constructing a predictive machine learning framework. Heliyon.	Exploring the density characteristics of a novel Al2O3-ZnO-Fe3O4 ternary hybrid nanofluid through experimental research and constructing a predictive machine learning framework.	https://doi.org/10.1016/j.heliyon.2024.e32728	YES	4	Regular	Q2	Q2	2	Humphrey Adun, Dilber Uzun Ozsahin
122	WOS+SCOP US	SCIE	Article	Ampah, J. D., Afrane, S., Adun, H. H., Dioda, M., Agyekum, E. B., Yusuf, A. A., ... & Bamisile, O. (2024). Carbon dioxide removal and net zero emissions in Africa: An integrated assessment modelling based on three different land-based negative emission solutions. Environmental Research Letters.	Carbon dioxide removal and net zero emissions in Africa: An integrated assessment modelling based on three different land-based negative emission solutions	10.1088/1748-9326/ad5dcf	YES	5.8	Regular	Q1	Q1	1	Humphrey Adun

123	WOS+SCOP US	SCIE	Article	Acen, C., Bamsiile, O., Cai, D., Ukwuoma, C. C., Obiora, S., Huang, Q., ... & Adun, H. (2024). The complementary role of carbon dioxide removal: A catalyst for advancing the COP28 pledges towards the 1.5° C Paris Agreement target. Science of The Total Environment, 174302.	<u>The complementary role of carbon dioxide removal: A catalyst for advancing the COP28 pledges towards the 1.5° C Paris Agreement target</u>	https://doi.org/10.1016/j.scitotenv.2024.174302 Get rights and content	NO	8.2	Regular	Q2	Q2	2	Humphrey Adun, Dilber Uzun Ozsahin
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