Research of the Department of Physical Therapy Techniques (2025-2026)

No.	Name	Academic Title	Academic Department	Research Title	Research Link	Publication Date	Research Type			
							Scopus	Clarivate	International	Local
1	Dr. Maqsood Adil Mahmoud	Assistant Professor	Physical Therapy	Metal oxide nanoparticles: A promising solution for combating antibiotic resistance and enhancing antimicrobial therapy	Metal oxide nanoparticles: A promising solution for combating antibiotic resistance and enhancing antimicrobial therapy - ScienceDirect	2026	1			
	Dr. Asaad Taha Hameed	Assistant Professor								
2	Omar Tariq Khattab	Assistant Lecturer	Physical Therapy	A Comprehensive Review: The Evolving Cat-and-Mouse Game in Network Intrusion Detection Systems Leveraging Machine Learning	A Comprehensive Review: The Evolving Cat-and-Mouse Game in Network Intrusion Detection Systems Leveraging Machine Learning	2026	1			
3	Simaa Amer Ghannam	Assistant Lecturer	Physical Therapy	An Empirical Study on The Effect of Mixing Liquid Asphalt Materials into Saturated Gypsum Soil in The Presence of Seismic Activity	inass.org/wp-content/uploads/2026/03/2026063024-2.pdf	2026	1			
4	Dr. Asaad Taha Hameed	Assistant Professor	Physical Therapy	Nanostructured Magnesium Oxide for Swiss Mice Tissue Application: Synthesis, Characterization, and Analysis	Nanostructured Magnesium Oxide for Swiss Mice Tissue Application: Synthesis, Characterization, and Analysis - Al-Douri - 2025 - Engineering Reports - Wiley Online Library	2025	1			
	Dr. Maqsood Adil Mahmoud	Assistant Professor								
	Dr. Ahmed Musa Khalaf	Assistant Professor								
	Zeina Idris Khalaf	Assistant Lecturer								
	Sama Amer Abbas	Lecturer								
5	Nada Wahab Ahmed	Assistant Lecturer	Physical Therapy	Estimation of antioxidant levels and some productive traits of grapes treated with copper disperse under cold storage conditions	Estimation of antioxidant levels and some productive traits of grapes treated with copper disperse under cold storage conditions	2026	1			
6	Dr. Muhannad Imad Majeed	Lecturer	Physical Therapy	Immune-Endocrine crosstalk in hypertensive overweight men: Dysregulation of IL-17 and IL-40-mediated inflammatory pathways	Immune-Endocrine crosstalk in hypertensive overweight men: Dysregulation of IL-17 and IL-40-mediated inflammatory pathways - PubMed	2026	1			
	Dr. Asaad Taha Hameed	Assistant Professor								

7	Simaa Amer Ghannam	Assistant Lecturer	Physical Therapy							
	Aya Abdullatif Izzat	Assistant Lecturer								
	Dr. Maqsood Adil Mahmoud	Assistant Professor								
8	Dr. Ahmed Musa Khalaf	Assistant Professor	Physical Therapy	Adsorption Desulfurization of Liquid Fuel Using a Blend of Date Stones and Walnut Shells by Box-Behnken Design.	Adsorption Desulfurization of Liquid Fuel Using a Blend of Date Stones and Walnut Shells by Box–Behnken Design - Alyawer - 2026 - Asia-Pacific Journal of Chemical Engineering - Wiley Online Library	2025	1			
9	Dr. Ahmed Musa Khalaf	Assistant Professor	Physical Therapy	Response Surface Methodology Optimization of Co-solvent-assisted Transesterification of Waste Cooking Oil to Biodiesel using Eggshell-derived Li2O-K2O/CaO Nanocatalyst	Response Surface Methodology Optimization of Cosolvent-Assisted Transesterification of Waste Cooking Oil to Biodiesel using Eggshell-Derived Li2O–K2O/CaO Nanocatalyst | Doklady Chemistry | Springer Nature Link	2025	1			
10	Dr. Asaad Taha Hameed	Assistant Professor	Physical Therapy	$AgZnFe_2O_3$ quaternary alloy: Synthesis, analysis and characterization for potential antibacterial application	$AgZnFe_2O_3$ quaternary alloy: Synthesis, analysis and characterization for potential antibacterial application | Experimental and Theoretical NANOTECHNOLOGY	2025	1			
	Alaa Ahmed Dakhil	Assistant Lecturer								
	Dr. Luay Manaa Ibrahim	Assistant Professor								
	Dr. Maqsood Adil Mahmoud	Assistant Professor								
11	Dr. Asaad Taha Hameed	Assistant Professor	Physical Therapy	Eco-friendly synthesis and characterization of silver nanoparticles using turmeric extract and study anticancer activity	Eco-friendly synthesis and characterization of silver nanoparticles using turmeric extract and study anticancer activity | Experimental and Theoretical NANOTECHNOLOGY	2026	1			
12	Dr. Maqsood Adil Mahmoud	Assistant Professor	Physical Therapy	Biological activity of nickel oxide nanoparticles against Leishmania tropica in vitro	Biological activity of nickel oxide nanoparticles against Leishmania tropica in vitro | Experimental and Theoretical NANOTECHNOLOGY	2025	1			
	Dr. Asaad Taha Hameed	Assistant Professor								
	Dr. Luay Manaa Ibrahim	Assistant Professor								

	Amna Muhannad Abdulrahman	Assistant Lecturer								
13	Shaimaa Fadhil Weshah	Assistant Lecturer	Physical Therapy	Innovative Methods: Banana Peel Powder to Enhance Nutritional, Microbial, and Sensory Quality of Bakery Products	(PDF) Innovative methods: Banana peel powder to enhance nutritional, microbial, and sensory quality of bakery products	2026	1			
14	Dr. Muhannad Imad Majeed	Lecturer	Physical Therapy	Estimation of Proinflammatory and Hormonal Biomarkers in Patients with Kidney Stones in Samarra City, Iraq	Estimation of Proinflammatory and Hormonal Biomarkers in Patients with Kidney Stones in Samarra City, Iraq - Article&Book-Science Hub – Free Research Papers | Academic Community	2026	1			
15	Shaimaa Tariq Mahmoud	Assistant Lecturer	Physical Therapy	Prevalence of Sputum-Positive Tuberculosis and Its Association with Demographic Factors in Salah Al-Deen Governorate, Iraq	Prevalence of Sputum-Positive Tuberculosis and Its Association with Demographic Factors in Salah Al-Deen Governorate, Iraq | Semantic Scholar	2025	1			
16	Omar Tariq Khattab	Assistant Lecturer	Physical Therapy	A Vision Transformer (ViT) Based Approach for Real-Time Indoor Fire, Smoke, and Human Detection	A Vision Transformer (ViT) Based Approach for Real-Time Indoor Fire, Smoke, and Human Detection | Springer Nature Link	2025	1			
17	Omar Tariq Khattab	Assistant Lecturer	Physical Therapy	Applying deep learning models as a tool for Alzheimer's diagnosis: an analysis using (MRI)	Applying deep learning models as a tool for Alzheimer's diagnosis: An analysis using (MRI) | AIP Conference Proceedings | AIP Publishing	2025	1			
	Aya Abdullatif Izzat	Assistant Lecturer	Physical Therapy							
18	Dr. Luay Manaa Ibrahim	Assistant Professor	Physical Therapy	YbFeTi2O7 Nanoparticles as Magnetically Separable Photocatalyst for Degradation of Methylene Blue under Visible Light Irradiation	YbFeTi2O7 Nanoparticles as Magnetically Separable Photocatalyst for Degradation of Methylene Blue under Visible Light Irradiation	2025	1			
	Dr. Ghassan Jasim Hadi	Assistant Professor	Physical Therapy							
19	Shaimaa Tariq Mahmoud	Assistant Lecturer	Physical Therapy	Evaluation of the Role of Galanin Hormone and Biochemical Markers in Individuals with Hair Loss	thescipub.com/ajbb/ajbbsp.2025.437.444.pdf	2026	1			
20	Mazin Nazir Farhan	Assistant Professor	Physical Therapy	Diagnosis of Ischemic Heart Disease Using Machine Learning Algorithms techniques	(PDF) Diagnosis of Chronic Ischemic Heart Disease Using Machine Learning Techniques	2026	1			
21	Shaimaa Fadhil Weshah	Assistant Lecturer	Physical Therapy	تأثير وزن الجسم والتغذية وبعض العوامل الاجتماعية على مستوى فيتامين ج لدى المدخنين في محافظة صلاح الدين	Shaimaa Fadhil Weshah - Publications	2025				1
22	Shaimaa Fadhil Weshah	Assistant Lecturer	Physical Therapy	Incorporation of Chia Seeds into Scones: Effects on Nutritional Composition, Fatty Acids, and Sensory traits	agriculturaljournals.com/archives/2025/vol7issue12/PartI/7-12-49-340.pdf	2026			1	

23	Shaimaa Fadhil Weshah	Assistant Lecturer	Physical Therapy	Identification of Bioactive Compounds in Cordia Myxa Extract for Extending Shelf Life of Refrigerated Meat	Identification of bioactive compounds in Cordia myxa L. extract to extend the shelf life of refrigerated beef | Identificación de compuestos bioactivos en el extracto de Cordia myxa L. para prolongar la vida útil de la carne de res refrigerada	2025	1			
24	Simaa Amer Ghannam	Assistant Lecturer	Physical Therapy	The Impact of Nanotechnology Applications on the Performance of Civil Engineering Projects: A Field Study in Iraq	The Impact of Nanotechnology Applications on the Performance of Civil Engineering Projects: A Field Study in Iraq | Request PDF	2025	1			
25	Mazin Nazir Farhan	Assistant Professor	Physical Therapy	Normalized Deep Learning Model for ClassifyingWhite Blood Cell	joig.net/2026/JOIG-V14N2-259.pdf	2025	1			