Research of the Department of Optics Techniques (2025-2026)

No.	Name	Academic Title	Academic Department	Research Title	Research Link	Publication Date	Research Type			
							Scopus	Clarivate	International	Local
1	Mustafa Khalil Ibrahim	Assistant Lecturer	Optics Techniques	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			
2	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	Improving VPN Security Using FFNN-Based Cybersecurity Models	Improving VPN Security Using FFNN-Based Cybersecurity Models | Proceedings of the 2026 2nd International Conference on Computing and Emerging Sciences	2026	1			
3	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	AI-Augmented Adaptive Learning Systems in Education for Enhancing Student Engagement Through Personalized Content Recommendation	AI-Augmented Adaptive Learning Systems in Education for Enhancing Student Engagement Through Personalized Content Recommendation | IEEE Conference Publication | IEEE Xplore	2026	1			
4	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	AI-Enabled Predictive Analytics in Sports Science for Injury Prevention and Performance Optimization of Elite Athletes	AI-Enabled Predictive Analytics in Sports Science for Injury Prevention and Performance Optimization of Elite Athletes | IEEE Conference Publication | IEEE Xplore	2026	1			
5	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	Real-Time Motion Analysis and Technique Refinement Using Computer Vision in Sports Training Environments	Real-Time Motion Analysis and Technique Refinement Using Computer Vision in Sports Training Environments | IEEE Conference Publication | IEEE Xplore	2026	1			
6	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	AI-Powered Chatbots as Virtual Teaching Assistants in Online Education Using Natural Language Processing for Student Support	AI-Powered Chatbots as Virtual Teaching Assistants in Online Education Using Natural Language Processing for Student Support | IEEE Conference Publication | IEEE Xplore	2026	1			
7	Mohammed Ajmi Abd	Assistant Professor	Optics Techniques	Water Desalination and Power Generation Using a New and Innovative Single-slope Double-basin System	Water Desalination and Power Generation Using a New and Innovative Single-slope Double-basin System	2026	1			
8	Mais Qasem Mohammed	Lecturer	Optics Techniques	Inhibitory effect of silver oxide nanoparticles and Saccharomyces cerevisiae on Escherichia coli and Staphylococcus aureus bacteria	Inhibitory effect of silver oxide nanoparticles and Saccharomyces cerevisiae on Escherichia coli and Staphylococcus aureus bacteria | Experimental and Theoretical NANOTECHNOLOGY	2025	1			
9	Haider Subhi Faisal	Assistant Lecturer	Optics Techniques	Enhancement of thermal and electrical properties of graphene-based hybrid nanomaterials for solar cell applications	Enhancement of thermal and electrical properties of graphene-based hybrid nanomaterials for solar cell applications | Experimental and Theoretical NANOTECHNOLOGY	2025	1			
	Mais Qasem Mohammed	Assistant Lecturer								
10	Abeer Talib Abdulqadir	Assistant Professor	Optics Techniques	$AgZnFe_2O_3$ 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			
	Mustafa Khalil Ibrahim	Assistant Lecturer				2025	1			

10	Dr. Abeer Talib Abdulqadir	Assistant Professor	Optics Techniques	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			
11	Mais Qasem Mohammed	Assistant Lecturer	Optics Techniques	The Inhibitory Effect of Biological Products of Trichormus variabilis against some Species of Drug-Resistant Bacteria which Isolated from Different Source of Infection	Scopus preview - Mohammed, Mais Qasem - Author details - Scopus	2025	1			
12	Mais Qasem Mohammed	Assistant Lecturer	Optics Techniques	Effect of the phytase enzyme extracted from Saccharomyces cerevisiae on biofilm formation by pathogenic bacteria		2025	1			
13	Sulaiman Musari Kareem	Assistant Lecturer	Optics Techniques	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			
	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques							
14	Mustafa Talib Salim	Assistant Lecturer	Optics Techniques	Investigating the Relationship between Types of Pain and Inflammatory Factors: A Retrospective Cohort	Investigating the Relationship between Types of Pain and Inflammatory Factors: A Retrospective Cohort | Archives of Anesthesia and Critical Care	2026	1			
15	Sulaiman Musari Kareem	Assistant Lecturer	Optics Techniques	Secure Hashing Algorithm Using Lightweight Cryptography for IoT Edge Devices	Retracted: Secure Hashing Algorithm Using Lightweight Cryptography for IoT Edge Devices | IEEE Conference Publication | IEEE Xplore	2026	1			
16	Sulaiman Musari Kareem	Assistant Lecturer	Optics Techniques	Automated Sleep Stage Classification Using Multi-Channel EEG Time-Frequency Features and CNN-BiLSTM Hybrid Networks	Automated Sleep Stage Classification Using Multi-Channel EEG Time-Frequency Features and CNN-BiLSTM Hybrid Networks | IEEE Conference Publication | IEEE Xplore	2025	1			
17	Sulaiman Musari Kareem	Assistant Lecturer	Optics Techniques	Development of a Computer Vision System for Diabetic Foot Detection Using Deep Learning Techniques	Development of a Computer Vision System for Diabetic Foot Detection Using Deep Learning Techniques | IEEE Conference Publication | IEEE Xplore	2025	1			
18	Ahmed Siddiq Bakr	Assistant Lecturer	Optics Techniques	Zero-Trust Architecture for Securing IoT Edge Networks Against Advanced Persistent Threats	Zero-Trust Architecture for Securing IoT Edge Networks Against Advanced Persistent Threats | Al-Noor Journal of Engineering Management and Computer Science	2026				1
19	Faiz Ali Ahmed	Assistant Lecturer	Optics Techniques	The Overlap between Sustainable Development and Genetics Laboratorial Techniques-Narrative Review	The Overlap between Sustainable Development and Genetics Laboratorial Techniques-Narrative Review | SAR Publication	2026			1	
20	Mustafa Talib Salim	Assistant Lecturer	Optics Techniques	Understanding Cancer and Tumor Patterns: Statistical Insights into Treatment, Infection, and Control Measures	sjmh.samipubco.com/article_238020_43d5e2b7573127deefa7009c85b8f2aa.pdf	2026			1	
	Mustafa Khalil Ibrahim	Assistant Lecturer	Optics Techniques							

21	Dr. Shaimaa Ibrahim Taha	Assistant Professor	Optics Techniques	الحماية الجنائية للأمن الفكري في نطاق الجامعات	sjh.univsul.edu.iq/SmartJournal_Uploads_sjh/1/articles/1322/D_70260110040627.pdf	2025				1
22	Dr. Shaimaa Ibrahim Taha	Assistant Professor	Optics Techniques	التحديات القانونية للذكاء الاصطناعي وحماية الحق في الخصوصية الرقمية وسرية البيانات	منصة الباحث - Article	2025				1
23	Dr. Shaimaa Ibrahim Taha	Assistant Professor	Optics Techniques	التنمية المستدامة بين الشريعة والقانون (رؤية لتحقيق التعايش السلمي)		2025				1
24	Bilal Saker Abdullah	Assistant Lecturer	Optics Techniques	الحدس الريادي كمدخل لتعزيز المرونة الاستراتيجية في الجامعات الأهلية في العراق	مارك: الحدس الريادي كمدخل لتعزيز المرونة الاستراتيجية في الجامعات الأهلية في العراق	2025				1
25	Bilal Saker Abdullah	Assistant Lecturer	Optics Techniques	أثر التحول الرقمي على إعادة هندسة العمليات الإدارية: دراسة تحليلية في الجامعة التقنية الشمالية	الباحث العلمي من Bilal Saker Abdullah - Google	2025				1