



Faculty Member Academic Biography



Personal data

Name	Muhammed Abduljaleel Ibrahim		
Current academic rank	Assistant Professor		
Workplace	Ninevah University	Academic department	Department of Systems & Control Eng.
General specialization	Electrical Engineering	Specialization	Control Engineering
E-mail	muhammed.ibrahim@uoninevah.edu.iq		
Mobile	07518442159		

Academic qualifications

Degree	University Name	Country Studied at	Major	Graduation Date
B.Sc., a degree	Northern Technical University	Iraq	Electrical Engineering	2011
M.Sc., degree	University of Mosul	Iraq	Electrical Engineering	2013
Ph.D. degree	University of Mosul	Iraq	Electrical Engineering	2023

Academic rank:

Academic rank	Date of Obtaining the rank	Academic rank granting Institution
Assistant Lecturer	26/12/2026	Ninevah University
Lecturer	28/7/2020	Ninevah University
Assistant Professor	2/1/2024	Ninevah University

Practical experiences:

Time period		Employer	Job Title
from	to		
2014	2016	Steel Field Company	Design Engineer
2016	Up until now'	Ninevah University	Lecturer

Scientific production (published/accepted for publication):

Research Title	Place of publication	Country of publication	Number	Vol	date of publication
Comparison of PID, GA and Fuzzy Logic Controllers for Cruise Control System	International Journal of Computing and Digital Systems	Bahrain	7	5	2018
Optimal PID controller of a brushless DC motor using genetic algorithm	International Journal of Power Electronics and Drive Systems	Indonesia	10	2	2019
Modeling and simulation of SEPIC controlled converter using PID controller	International Journal of Power Electronics and Drive Systems	Indonesia	11	2	2020
Performance evaluation of PI controller for positive output Luo converter	International Journal of Power Electronics and Drive Systems	Indonesia	11	4	2020
Solar-Wind Hybrid Power System Analysis Using Homer for Duhok, Iraq	PRZEGLĄD ELEKTROTECHNICZNY	Poland	1	9	2021
Modelling and Analysis of SA-SPV System with bi-directional inverter for lighting load	PRZEGLĄD ELEKTROTECHNICZNY	Poland	98	5	2022
Switched Reluctance Motor Drives Speed Control Using Optimized PID Controller	PRZEGLĄD ELEKTROTECHNICZNY	Poland	98	11	2022
Design of fuzzy-ACO based controller for Cuk converter in electric vehicles	Journal Européen des Systèmes Automatisés	France	56	3	2023
Review and Performance Analysis of Nonlinear Model Predictive Control-- Current Prospects, Challenges and Future	Journal Européen des Systèmes Automatisés	France	56	4	2023

Directions					
Adaptive PID Control for 8/6 Switched Reluctance Motor Drive Based on BFO	Journal Européen des Systèmes Automatisés	France	56	4	2023
Switched Reluctance Motor Drive Challenges-A review	Al-Iraqia Journal for Scientific Engineering Research	Iraq	2	4	2023
Reduction of Torque Ripple in Switched Reluctance Motor Drives Through Optimum Commutation Angles Control	Journal Européen des Systèmes Automatisés	France	56	6	2023
Hydrogen solar pump in nocturnal irrigation: A sustainable solution for arid environments	Energy Conversion and Management	United Kingdom	304		2024
PID Controller for A Bearing Angle Control in Self-Driving Vehicles	Journal of Robotics and Control (JRC)	Indonesia	5	3	2024
Optimizing wind power plants: comparative enhancement in low wind speed environments	Informatyka, Automatyka, Pomiary w Gospodarce i Ochronie Srodowiskaopen access	Poland	14	4	2024

Conferences, scientific seminars and workshops in which I participated:

Research Title	Name of conference/seminar/workshop	Venue of the conference/seminar/workshop	Date
Hybrid Genetic Algorithm/Bacterial Foraging Techniques Based Single Phase Induction Motor Speed Control	2nd Scientific Engineering Conference	Iraq	2013
Optimized PID Controller for a Self-lift Positive Output Luo-Converter	IMDC-SDSP 2020: Proceedings of the 1st International Multi-Disciplinary Conference	Turkey	2020
The Optimum PV Panels Slope Angle for Standalone System: Case Study in Duhok, Iraq	IOP Conference Series: Materials Science and Engineering 2nd International Scientific Conference of Engineering Sciences (ISCES 2020)	Iraq	2021
Maximum Torque per Ampere Technique for Switched Reluctance Motor Drive	IOP Conference Series: Materials Science and Engineering International Conference on Intelligent and Sustainable Power and Energy Systems (ICISPES 2023)	India	2023
Dynamic Modelling and Current Control for Switched Reluctance Motor Drives in Electric Vehicles	IOP Conference Series: Materials Science and Engineering International Conference on Intelligent and Sustainable Power and Energy Systems (ICISPES 2023)	India	2023

Awards obtained:

Name of the award	The award granting institution	Date
The Best Paper Award	Dayananda Sagar College Of Engineering	2023
Students Award	Iraqi Engineers Union	2013

Courses(s) I have taught:

Course name (subject)	Academic year	University/ Institution
Digital Electronics	2017/2016	Ninevah University
Mathematics	2017/2018	Ninevah University
Electrical circuits	2018/2019	Ninevah University
Signals and Systems	2018/2019	Ninevah University
DC machines	2019/2020	Ninevah University
AC machines	2019/2020	Ninevah University
DC machines	2020/2021	Ninevah University
Digital Control	2020/2021	Ninevah University
Digital Control	2021/2022	Ninevah University
AC machines	2021/2022	Ninevah University
DC machines	2022/2023	Ninevah University
AC machines	2022/2023	Ninevah University
DC machines	2024/2023	Ninevah University
AC machines	2024/2023	Ninevah University
Mathematics	2024/2025	Ninevah University
Control System	2024/2025	Ninevah University

Note: This CV has been updated until 1 /2 / 2025