Northern Technical University

Curriculum Vitae

Personal Information

Full Name:	Firas Saaduldeen Ahmed Al-Hashimi
Academic Title:	Lecturer
Position:	Rapporteur, Department of Prosthetics and Orthotics Technologies
Department:	Prosthetics and Orthotics Technologies
Branch: —	
E-mail:	firas_saad@ntu.edu.iq

Academic Qualifications

University	Degree	Date of Award	Major	Country
Northern Technical University	B.Sc.	26/07/2007	Electrical Power Engineering Technologies	Iraq
—	Higher Diploma	—	—	—
Middle Technical University	M.Sc.	17/11/2020	Electrical Power Engineering Technologies	Iraq
—	Ph.D.	—	—	—

Teaching Experience

Undergraduate Studies:	Yes
Postgraduate Studies:	No

Research and Scientific Activity

Published Papers:	Several research papers published in peer-reviewed journals.
Conferences and Workshops:	Participated in more than 15 conferences and workshops.

Memberships in Associations and Publishing Platforms:	
Account Academic	
Google Scholar Profile	https://scholar.google.com/citations?hl=ar&user=mYcYrB8AAAAJ
Researcgate Profile	https://www.researchgate.net/profile/Firas-Ahmed-6
Publons Profile	https://publons.com/wos-op/researcher/4641176/firas-saaduldeen-ahmed/
ORCID iD	https://orcid.org/0000-0001-5021-2472
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57216249524

Scientific and Research Interests

Solar Energy Systems, Electrical Machines, Internet of Things (IoT), Wind Energy, Flexible AC Transmission Systems (FACTs).

Awards and Letters of Appreciation

Issuing Authority: Northern Technical University, Middle Technical University

Achievements: Received more than 25 letters of appreciation from institute and college deanships (total 28 acknowledgments).

Recent Research Publications (Last FIVE Years)

1. Performance Enhancement of Speed Control for Induction Motor Using Dolphin Algorithm
   https://iopscience.iop.org/article/10.1088/1742-6596/2312/1/012026

2. Enhancing Performance for Three-Phase Induction Motor by Changing the Magnetic Flux Density and Core Material Using COMSOL
   https://ijece.iaescore.com/index.php/IJECE/article/view/25620
3. Voltage Profile Enhancing Using HVDC for 132 kV Power System: Kurdistan Case Study
   https://www.joe.uobaghdad.edu.iq/index.php/main/article/view/1481
4. Control of Prosthetic Hand by Using Mechanomyography Signals Based on Support-Vector Machine Classifier
   https://ijeecs.iaescore.com/index.php/IJEECS/article/view/25702
5. Benefit Through Vehicles Passing on Highways in Electrical Power Generation
   https://ijeer.forexjournal.co.in/archive/volume-12/ijeer-120118.html
6. Intelligent Battery Management System Using Machine Learning and Dynamic Capacitor Techniques
   https://ieeexplore.ieee.org/document/11064216
7. Enhancing Breast Cancer Detection with Ensemble Machine Learning Models
   https://journal.esrgroups.org/jes/article/view/2585
8. Real Time PV System Fault Detection and Localization Using FPGA-Based WSN
   https://www.iieta.org/journals/jesa/paper/10.18280/jesa.580804