المعلومات الشخصية:

Full Name	Mahmood T. Alkhayyat /M.T. Alkhayyat
Scientific title	Assist Professor
Position	Postgraduate Rapporteur
department	Electrical Technology Engineering
email	m.t.alkhayyat@ntu.edu.iq
mobile	07507514475

Qualifications:

country	Specilization	date	qualify	University
Iraq	Power engineering	2018	PhD	Mosul University
Iraq	Power & Machines	1998	MSc	Mosul University
Iraq	Power & Machines	1994	BSc	Mosul University

Academic experience:

Undergraduate	19 years/ Iraq
Undergraduate	3 years/ Libya
Postgraduate	5 years/ Iraq

Engineering experience:

Developing electrical designs for a large number of college buildings, in addition to supervision direct on all electrical works

Administration experience:

Work for the period between 2014 - 2016 in the Department of construction and the Finance Division of the University / Baghdad.

Member of the examination committee 2020-2023

Member of the Promotions Subcommittee 2022-2023
Postgraduate Scientific Coordinator 2021-2023

Researches activity:

- [x] Power flow control in parallel transmission lines based on UPFC
- [x] High impedance fault detection in radial distribution network using discrete wavelet transform technique
- [x] A New Survey for Optimum Power Flow with Facts Devices
- [x] PQ & DQ Based Shunt Active Power Filter with PWM & Hysteresis Techniques.
- [x] Neuro Fuzzy based SSSC for Active and Reactive Power Control in AC Lines with Reduced Oscillation
- [x] Adaptive neuro-fuzzy controller based STATCOM for reactive power compensator in distribution grid
- [x] Reduce the Impact of Voltage Sag with Phase Jumping in AC Line Using Unified Power Quality Conditione UPQC and Open UPQC
- [x] A Review on PQ Theory Based Shunt Active Power Filter

  Discrimination Between Inrush and Internal Fault Currents in Protection Based Power Transformer using D
- [x] Performance improvement of stand-alone induction generator using distribution SSC for wind power applic
- [x] Shunt Active Power Filter Implementation Using PQ Theory With LabView
- [x] Power Quality improvement in Mosul city using shunt active power filter
- [x] Online Loss Minimization in Distribution System Incorporating SSSC with Particle Swarm Optimization
- [x] Adaptive Control for Power Management Based on Renewable Energy.
- [x] Voltage Sag Enhancement By DVR Based On PQ Theory Using LabView
- [x] Dynamic Voltage Restorer Using (PQ) Theory with LabView
- [x] Voltage Sag Enhancement By DVR Based On PQ Theory Using LabView
- [x] Dynamic Voltage Restorer-Photovoltaic Based PQ Theory

Published papers	22
Conferences and seminars	10
Membership in scientific and professional societies, publishers, and journals	Membership in the Iraqi Engineers Syndicate 1994 Scientific reviewer at: Journals of Northern Technical University IET Generation, Transmission & Distribution Journal of Engineering and Sustainable Development International Journal of Emerging Electric Power Systems Electric Power Components and Systems IET Electric Power Applications International Journal of Electrical Engineering Education Iraqi Journal for Electrical And Electronic Engineering IET Power Electronics Indonesian Journal of Electrical Engineering and Computer Science
Researcher Links	
Google Scholar Profile	https://scholar.google.com/citations?user=zYkjm9oAAAAJ&hl=en
Researcgate Profile	https://www.researchgate.net/profile/Mahmood-Alkhayyat-2/research
Publons Profile	https://www.webofscience.com/wos/author/record/2289940?state=%7B%7D
ORCID iD	https://orcid.org/my-orcid?orcid=0000-0001-6119-7845
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57216767504

Scientific and researches interesting

Power system optimization, renewable energy, power system protection, power quality, Artificial intelligence