



Faculty Member Academic Biography



Personal data

Name	Omar Badr Mohammed		
Current academic rank	Lecturer		
Workplace	Ninevah University	Academic department	Electronics Engineering
General specialization	Electrical Engineering	Specialization	Solid State Electronics
E-mail	omar.mohammed@uoninevah.edu.iq		

Academic qualifications

Degree	University Name	Country Studied at	Major	Graduation Date
PhD	Texas At Austin	USA	Electrical and Computer Engineering	2019
MSc	Mosul University	Iraq	Solid State Engineering	2011
BSc	Mosul University	Iraq	Electrical Engineering	2007

Academic rank:

Academic rank	Date of Obtaining the rank	Academic rank granting Institution
Lecturer	2020	Ninevah University
Assistant Lecturer	2012	Mosul University

Scientific production (published/accepted for publication):

Research Title	Place of publication	Country of publication	Number	Vol	date of publication
Estimation of Equivalent Series Resistance (ESR) of Supercapacitors Using Charging/Discharging Kinetics	Iraq	Europe			2025
ReS ₂ -based interlayer tunnel field effect transistor	USA	USA	24	122	2017
Design and Fabrication of Narrow Band Infrared Detector	Iraq	Iraq	3	20	2012

Conferences, scientific seminars and workshops in which I participated:

Research Title	Name of conference/seminar/workshop	Venue of the conference/seminar/workshop	Date
Tunnel Barrier Thickness, Interlayer Rotational Alignment, and Top Gating Effects on ReS ₂ /hBN/ReS ₂ Resonant Interlayer Tunnel Field Effect Transistors	DRC	USA	2019
Two Terminal Devices Based on Two-Dimensional Materials	EMC	USA	2019

Courses(s) I have taught:

Course name (subject)	Academic year	University/ Institution
Microelectronics	2020-	Ninevah University
Engineering Mathematics	2022-2024	Ninevah University
Physical Electronics	2020-2022	Ninevah University

Supervising master's or doctoral theses:

Title	Degree	Date
Design and simulation of high power-density supercapacitor	Master	2023-2025

Note: This CV has been updated until 10 / 4 / 2025