





Faculty Member Academic Biography

Personal data

Name	Dr. Ahmed Mahfoodh Taha Hayali		
Current academic	Lecturer		
Workplace	Collage of IT	Academic department	Department of Computer Networks and the Internet
General specialization	Electrical & Electronics Engineering/	Specialization	Microelectroni cs
E-mail	ahmed.hayali@uoninevah.edu.iq		
201	4 (WW)	-400	

Academic qualifications VAH UNIVERSITV

Degree	University Name	Country		Graduation
		Studied at Major		Date
BSc.	Mosul	Iraq	Electronics Engineering	2011
MSc.	Newcastle	UK	Microelectronics	2016
PhD	Canterbury	New Zealand	Microelectronics	2022

Academic rank:

Academic rank	Date of Obtaining the rank	Academic rank granting Institution
Lecturer	2023	Ninevah University



Practical experiences:

Time	period	Employer	Lob Titlo	
from	to	Employer	JOD THE	
2012	2014	Electronics Engineering	Teaching Assistant	
2017	2019	Electronics Engineering	assistant lecturer	
2022	until now	College of IT	lecturer	

Ninevah University

Scientific production (published/accepted for publication): 2014 1435

Research Title	Place of publication	Country of publication	Number	Vol	date of publication
High efficiency perovskite solar cells using DC sputtered compact TiO2 electron transport layer	EPJ Photovoltaics	France	12	8	2021
Solvent engineering of FK209 Cobalt and Lithium for high- efficiency perovskite solar cells	IEEE 48th Photovoltaic Specialists Conference (PVSC)	USA	-	2253-2259	2021
Wavelength Selective Solar Cells Using Triple Cation Perovskite.	Nanomaterials MDPI	Switzerland	12(19)	3299	2022
Influence of FK209 Cobalt Doped Electron Transport Layer in Cesium Based Perovskite Solar Cells	Applied Sciences	Switzerland	12(18)	19	2022
Improving Charge Transport in Perovskite Solar Cells Using Solvent Additive Technique	Inorganics	Switzerland	12(8)	12	2024

Conferences, scientific seminars and workshops in which I participated:

Research Title	Name of conference/seminar/workshop	Venue of the conference/seminar/workshop	Date
Influence of " cobalt FK209 doped electron transport layer in cesium based perovskite solar cells	th ⁸ International Conference, on Advanced Engineering and Technology May 20-22, 2022. Incheon National University Convention Center, Incheon, South Korea (ICAET) 2022. IOP Publishing	Incheon, South Korea	2021
Multilayers cesium based perovskite/perovsk ite tandem solar cells	MIT Applied Energy symposium MIT A+B Co-organized with Harvard, July 5-8, 2022 MIT,	CAMBRIDGE, USA	2022
Wavelength Selective Perovskite Solar Cells and Potential Applications	th International Conference on 4 " Emerging Advanced Nanomaterials ICEAN 2022, The NEX, Newcastle, Australia October 17-21, 2022	Newcastle, Australia	2022
Improving Charge Transport in Perovskite Solar Cells Using Solvent Additive Technique	International Conference on Condensed Matter Physics (ICCMP- 2024) Paris, France March 28-30, 2024	Paris, France	2024

2014 1435 Ninevah University

Published books

Published books			
Book Title	Publishing Institution	Year of Publication	Number of pages

Awards obtained:

Name of the award	The award granting institution	Date
Golden student	Newcastle University/UK	2015
Best motivate student	Newcastle University/UK	2016
Best postgraduate Student (Valedictorian-pounamu toki)	University of Canterbury /New Zealand	2022

Patent:

Patent title	Registration Institution	Date

Courses(s) I have taught:

Course name (subject)	Academic year	University/ Institution
Signal and system	2018	Electronics Engineering
Digital signal processing DSP	2018	Electronics Engineering
Microelectronics	2019	Electronics Engineering
Principles of logic and logic design	2022- 2023-2024	IT
	62	

Supervising master's or doctoral theses:

Title	Degree	Date

Experience in the field of local community service:

Post name	Post type	Date

Note: This CV has been updated until / / 2024

