

CV



1. Personal Details:

Correspondence Name: Batool Eneaze Bandar Al-jumaili

Date & Place of Birth: 06/01/1981 Fallujah, Iraq

Nationality: Iraq

2. Permanent Address:

Department of medical Physics, College of Applied Science, Fallujah University, *Fallujah, Iraq*, Mobile: +07817087293

Position: Associate Professor of Physics

Field of Study: Material Science

Interest: Nano Physics (Nanomaterials for photoelectronic, medical Applications)

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Scopus ID: 57190938715

Researcher ID: F-2867-2019

ORCID: <https://orcid.org/0000-0002-0201-7178>

3. Academic Particulars:

2017: Ph. D., Doctor of Philosophy (Physics) by (Research) Material Science Physics, department of physic, Faculty of science, Universiti Putra Malaysia UPM, Serdang, Malaysia

2009: M. Sc. (Courses+ Thesis) Physics, University of Anbar, Ramadi, Iraq

2002: B. Sc., Physics (4 years) University of Anbar, Ramadi, Iraq

4. Thesis Title:

Ph. D. Thesis titled " Synthesis and characterization of copper oxide/porous silicon composite for photodetector applications (Universiti Putra Malaysia UPM, Published: 2017) (Supervisor: Advisory committee: Chair Advisor, Professor Zainal Abidin Talib, Associate Professor Naser M. Ahmed, Associate Professor Suriati B. Paiman and Assistant Professor Josephine Y. C. Liew)

M. Sc.: Thesis titled " The specific Astronomical Scientific Criteria for monthly lunar Crescent (Supervisor: Professor: *Majeed Jrad*).

B. Sc: Thesis titled " Energy Transfer in organic moleculars (Supervisor: Dr.: *Zaad Adnan*)

5. Internal and External Examiners

I have examined 9 Thesis of M.Sc. in Physics as an internal Examiner

6. Editorial and Review Board:

Materials Science Forum

Materials Today: Proceedings

Annual International Conference on Information and Sciences

International Conference on Computing and Emerging Sciences

International Conference on Materials Engineering & Science

The First Virtual International Conference on Sciences

Baghdad Science Journal

Pharmaceutical Patent Analyst

7. Skills:

Core skills and competencies are as follows:

❖ Well acquainted with analytical skills for XRD, AFM, SEM, UV, FESEM and PL.

❖ Highly computer literate–Word/PowerPoint/Excel and numerous Analytical software as well as scientific program development using SSP, ORIGIN Professional, imageJ, PANalytical X'Pert PRO, MENDELEY and AXIL.

Summary: I am a team player and willing to learn, adapt and contribute to the organization and institutions with my excellent communication skills and ability to coordinate and undertake multiple tasks simultaneously. I have worked with multidisciplinary teams with different cultural background and maintained the mutual respect.

My Career Objective is to be part of a team that develops, implements and monitors effective strategies and solutions to address pressing Physics Education issues, reduce the impact of assorted problems on Physics Education, and improve the provision, and access of Physics solution. I aspire to sustain the welfare of the communities both nationally and globally, and attain professional development in my chosen fields of interest.

8. Full Time Experience

2003-2006, University of Anbar, Administration & economic college, Fallujah Iraq, Teaching Assistant of computer

2009 -2013, University of Anbar, Veterinary college, Fallujah, Iraq, Lecturer of Medical Physics

2018 - 2019, Assist of the Head of Medical physics department, College of Applied Science, University of Fallujah

2019 - 2020, Medical Physics Department, College of Applied Science, University of Fallujah, Associate Professor of Physics

2021 – Up to now, Head of Medical Physics Department, College of Applied Science, University of Fallujah, Associate Professor of Physics

9. Teaching Experiences:

Undergraduate: Mechanics and Vectors, Medical Physics, Nanotechnology, Health Physics, BioPhysics

10. List of Publications

No.	Research Title	Place of Publication	Year
1	A new formula for the probability of sighting the crescent	<i>Journal of university of Anbar for Pure science</i>	2009
2	The probability of sighting the crescent by naked eye	<i>Journal of university of Anbar for Pure science</i>	2011
3	The long period effect of twilight on the ability of seeing crescent	<i>Iraqi journal of science</i>	2012
4	The correlation of blue shift of photoluminescence and morphology of silicon nanoporous	<i>AIP Conference Proceedings</i>	2016
5	Preparation of CuO nanoparticles by laser ablation in liquid	<i>AIP Conference Proceedings</i>	2016
6	Responsivity Dependent Anodization Current Density of Nanoporous Silicon Based MSM Photodetector	<i>Journal of Nanomaterials</i>	2016
7	Photoelectric properties of Metal-Semiconductor Metal Photodetector based on Porous Silicon	<i>Journal of solid state science and technology letters</i>	2016
8	Optical characterization of zinc selenide/ graphene oxide composite synthesized via microwave-assisted hydrothermal method	<i>Optik - International Journal for Light and Electron Optics</i>	2017

9	Impact of ablation time on Cu oxide nanoparticle green synthesis via pulsed laser ablation in liquid media	<i>Applied physics A:Materials science & processing</i>	2018
10	The evaluation of Temperature effect on Peak-to-Peak Line Width (ΔH_{pp}) of conjugating polymer Polypyrrole (Ppy)	<i>IOP Conf. Series: Journal of Physics: Conf. Series</i>	2019
11	Effect of Sodium Hydroxide Concentration in Synthesizing Zinc Selenide/Graphene Oxide Composite via Microwave-Assisted Hydrothermal Method	<i>Materials</i>	2019
12	Nanoparticles of CuO thin films for room temperature NO ₂ gas detection:Annealing time effect	<i>Materials Today: Proceedings</i>	2021
13	In-Depth Thermal, Microstructural and Photoluminescence Analysis of Mesoporous ZnO/ZnAl ₂ O ₄ -MMO: The Effect of Molar Ratio	<i>ECS Journal of solid state science and technology</i>	2021
14	Fabrication and photoresponsive characteristics of ZnO film for ultraviolet ZnO/porous Si photodetector: The effect of post-processing treatment	<i>Optical Materials</i>	2022

11. Awards and Certificates of Appreciation:

No.	Name of Awards and Certificates	Donor	Year
1	Letter of thanks from Dean of the College	University of Anbar / College of Science	2009
2	Letter of thanks from Dean of the College	University of Anbar / Veterinary college	2011
3	Letter of thanks from Dean of the College	University of Anbar / Administration & economics	2012
4	Letter of thanks from Dean of the College	University of Anbar / Veterinary college	2012
5	Letter of thanks from Dean of the College	University of Anbar / Veterinary college	2013
6	Appreciate Certificate	UPM	2014
7	Appreciate Certificate	UPM	2014
8	Appreciate Certificate	UPM IRAQI CLUB	2014
9	Appreciate Certificate	UPM	2015
10	Appreciate Certificate	UITM	2015
11	Letter of thanks from University's president	University of Fallujah	2018
12	Letter of thanks from Dean of the College	College of Applied Science	2018
13	Letter of thanks from Dean of the College	College of Science\ Baghdad university	2018
14	Letter of thanks from University's president	University of Fallujah	2019
15	Letter of thanks from Dean of the College	College of Applied Science	2019

12. Contributions in Conferences:

No.	Conferences Title	Year	Place	Type of Participation
1	1 st Scientific Conference in pure Sciences	2009	University of Anbar, Iraq	Paper
2	The Regional Fundamental Science Congress(FSC2014)	2014	UPM, Malaysia	Paper
3	International Conference on Solid State Science and Technology (ICSSST)	2015	Langkawi, Malaysia	Paper

4	The IC-NET International Conference on Nano-Electronic Technology Devices and Materials.	2015	UITM Shah Alam, Malaysia	Paper
5	The Regional Fundamental Science Congress (FSC2015)	2015	UPM, Malaysia	Presenter
6	1 st Annual International Conference on Information and Sciences (AiCIS'18)	2018	University of Fallujah, Iraq	National Organizing Committee
7	4 th Conference for low dimensional materials and its Applications (CLDMA 2018)	2018	University of Baghdad, Iraq	Participant
8	The 3 rd international conference on materials engineering and science (IConMEAS 2020)	2020	Kuala Lumpur, Malaysia	Paper
9	The 2 nd Annual International Conference on Information and Sciences (AIC 2020)	2020	University of Fallujah Iraq	National Organizing Committee
10	International Conference on Earth Science and Applied Physics (ICESAP)	2021	Chengdu \ China	Technical Program Committee
11	The First Virtual International Conference of Sciences (VICIS2021)	2021	University of Anbar, Iraq	Reviewer
12	5th International Conference on Materials Engineering & Science	2022	Istanbul, Turkey	Reviewer
12	9th Annual International Conference on Network and Information Systems for Computers [ICNISC 2023]	2023	Wuhan, China	Technical Program Committee

13. Scientific Activities:

No.	Activities
1	Laboratory safety course 2014
2	Workshop on SPSS 2014
3	X-ray diffraction workshop 2014
4	Operation Training of PerkinElmer LS55 Fluorescence Spectrometer 2014
5	Workshop on X-ray diffraction 2015
6	Workshop on Advance X-Ray Technique: Rietveld Refinement 2015
7	Photoluminescence spectroscopy workshop 2015
8	UV-VIS-NIR Spectroscopy Workshop 2015
9	Operation Training of Bruker Dimension Edge Atomic Force Microscope (AFM) 2017
10	IC ³ -internet and computing Core Certification
11	TOEFL ITP

Assoc. Prof. Dr. Batool Eneaze Bandar

Date: 12-04-2023