

Amel Desher Hussein

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Assistant Professor

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RESEARCH METRICS

h-index (Scopus)	4
h-index (GS)	4
Citations (Scopus)	178
Citations (GS)	225
Documents (Scopus)	5
Documents (GS)	16

PATENTS

• Fabrication Nanogenerator Produce High Output Voltage of Polymer-Ceramic

RESEARCH INTERESTS

• Manufacture of generators and nanosensitions from environmentally friendly materials used in the medical, military and laboratory fields.

ACADEMIC TITLES

2023-07-11 **Assistant Professor**

TEACHING EXPERIENCE

Lecturer in College of Dentistry
Wasit University- College of Dentistry
2001-01 - 2026-06

ADMINISTRATIVE POSITIONS

2025-10-01 - Present **Decided of oral diagnosis branch**

PUBLICATIONS (16)

1. **Enhancing packaging performance: A thermal study of structural and dielectric behavior in transparent nylon**
AIP Conference Proceedings 3486 (1), 180001, 2026 | 2026 | Cited: 1
2. **Evaluation of Black Powder Formation in Natural Gas Transporting Pipelines Network and Study of Thermal Decomposition Kinetics under Inert Atmosphere**
Journal of Metastable and Nanocrystalline Materials 40, 37-44, 2024 | 2024 | Cited: 2
3. **Synthesis of Nanoparticles Powder from Seeds Extract Clove by Ionic Gelation process**
University of Thi-Qar Journal 19 (1), 2024 | 2024
4. **SYNTHESIS AND CHARACTERIZATION OF NANO ZNO: CS THIN FILMS USING SOLGEL DIPPING TECHNIQUE FOR PHOTOCATALYTIC APPLICATIONS**
International Journal of Applied Sciences and Technology 6 (2), 297-307, 2024 | 2024
5. **Study the Effect of "Di-dodecyl amine" as a Corrosion Inhibitor for Carbon Steel in HCl Medium**
Journal of Wasit for Science and Medicine 17 (1), 11-19, 2024 | 2024 | Cited: 1
6. **Investigation of the effect of clove nanoparticles on antibacterial features and shear bond strength of orthodontic adhesive bonded to human premolars teeth**
Journal of Natural Science, Biology and Medicine 14 (2), 288-298, 2023 | 2023 | Cited: 3
7. **FABRICATION SENSORS BASED ON NANOCOMPOSITES ZnO/PVDF**
International Journal of Applied Sciences and Technology 4 (3), 124-128, 2022 | 2022 | Cited: 3
8. **DATA MODELLING OF LC/MS-BASED METABOLOMIC PROFILING TO COMPARE BETWEEN HUMAN PLASMA AND URINE SAMPLES ASSOCIATED WITH BEETROOT JUICE**
International Journal of Applied Sciences and Technology 4 (4), 86-102, 2022 | 2022
9. **GROWTH POWDER AND SEED LAYERS ZNO ON FOIL ALUMINUM USING HYDROTHERMAL METHOD**
VII. International Scientific Congress of Pure, Applied and Technological ..., 2022 | 2022
10. **PVDF: ZnO/BaTiO3 as high out-put piezoelectric nanogenerator**
Polymer Testing 79, 106001, 2019 | 2019 | Cited: 118
11. **Effect of adding BaTiO3 to PVDF as nano generator**
Journal of Physics: Conference Series 1294 (2), 022012, 2019 | 2019 | Cited: 50

12. **Nanogenerator based on nanocomposites PVDF/ZnO with different concentrations**
Materials Research Express 6 (10), 105549, 2019 | 2019 | Cited: 42

13. **Fabrication of Stretchable PVDF Piezoelectric NanoGenerator.**
Journal of College of Education 1 (1), 17, 2019 | 2019 | Cited: 1

14. **Characterization Of Zno /Cuo Nano Composite Preparation By Thermal Chemical Spray Pyrolysis As Ammonia Gas Sensing**
First International Scientific Conference Al-Kut University College 1, 7, 2017 | 2017

15. **Effect of decomposition temperature on crystallite size and strain of CaO**
Physical Sciences Research International 2 ((4)), pp. 68-76, 2014 | 2014 | Cited: 5

16. **Output Piezoelectric Layers Nanofibers of Nanocomposites PVDF/Ceramic**
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