



Riyam Adnan Hammudi

ريام عدنان حمودي محمد امين العنزي

Associate Professor

ACADEMIC TITLES

2025-10-01 Associate Professor

TEACHING EXPERIENCE

Lecturer
College of Medicine
2023-02 - Present

ADMINISTRATIVE POSITIONS

2025-02-05 - Present Branch Rapporteur of Family and Community Medicine

PUBLICATIONS (17)

1. **Biological Activity of Titania Nanopowder using Atmospheric Pressure Plasma Jet Technique**
Physical Sciences, Life Science and Engineering | 2025
2. **Healing for Chronic Diabetic Foot Ulcers using Cold Atmospheric Plasma**
Medical Forum Monthly 36 (7), 2025 | 2025
3. **Study on Exploring Metal Nanoparticles (MNPs) in Pharmacology and their Future Role in the Diagnosis and Treatment of Cancer**
Advanced Physical Research | 2025
4. **Preparation and characterization of polyurethane composite coatings reinforced with carbon waste**
Polymers for Advanced Technologies 36 (7), e70240, 2025 | 2025 | Cited: 2
5. **Study the effect of relationship between heat treatment and mechanical characteristic behavior of aluminum–boron carbide composite prepared use powder metallurgy technique**
Advan Physical Res 17 (1), 102-10, 2025 | 2025 | Cited: 2
6. **The important role of cold atmospheric plasma in wounds healing: A literature review**
International Academic Journal of Science and Engineering 11 (1), 91-97, 2024 | 2024 | Cited: 3
7. **Spectroscopic, Diagnostics, and Surface Modification of Stainless Steel Doped with Ti Plasma Produced by DC Magnetron Sputtering and Used in Biomedical Applications**
Tribology in Industry 46 (4), 736-745, 2024 | 2024 | Cited: 4
8. **Plasma in dentistry**
Malaysian Journal of Fundamental and Applied Sciences 19 (3), 332-336, 2023 | 2023 | Cited: 7
9. **Effect of radiation exposure on function human body by CBC parameter for workers in nuclear medicine field**
Journal of Physics: Conference Series 2432 (1), 012002, 2023 | 2023 | Cited: 5
10. **The antimicrobial activity of (DBD) homemade plasma jet against Staphylococcus aureus using different gases**
Advanced Engineering Science 54 (3), 2022 | 2022 | Cited: 4
11. **Synchronization in Chaotic Systems with optical feedback induced by Bias current**
Gongcheng Kexue Yu Jishu/Advanced Engineering Science 54 (02), 1179-1184, 2022 | 2022

CONTACT

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EDUCATION

دكتوراه (01-11-2020)
Medical Physics
Wasit University

RESEARCH METRICS

h-index (Scopus)	3
h-index (GS)	4
Citations (Scopus)	19
Citations (GS)	66
Documents (Scopus)	9
Documents (GS)	18

AWARDS

• International Scientific Medal

PATENTS

- Construction of a plasma system of dielectric barrier Discharge with two electrodes and its use in inhibiting oral fungi Candida albicans
- Design of an intelligent prosthesis using a single actuator for five fingers with the ACTO system.



12. **Studying The Non-Thermal Characteristics Of Mixed Gases Plasma Jet**
NVEO – Natural Volatiles & Essential Oils 8 (6), 4131-4145, 2021 | 2021
13. **Argon Characteristics of an AC Driven Atmospheric Pressure Non-Thermal Plasma Jet using Two Electrodes**
India J of Natur Scien. 9 (53), 2019 | 2019 | Cited: 1
14. **Construction of the Non-Thermal Helium Plasma Jet using Two Electrodes and studying its Characteristics**
International Journal of Science and Research (IJSR) 8 (5), 1372-1378, 2019 | 2019 | Cited: 3
15. **<https://www.recentscientific.com/new-dental-treatment-technique#:~:text=The%20new%20dental%20treatment%20technique>**
International Journal of Recent Scientific Research 11 (5), 2021-2023, 2014 | 2014
16. **Structural and optical properties of CuO thin films prepared via RF magnetron sputtering**
Int. J. Appl. Innov. Eng. Manag 3 (7), 1-7, 2014 | 2014 | Cited: 35
17. **Effect of the Cold Atmospheric Plasma Technology for Treatment the Cancer Diseases in the Human: A literature Review**
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