Name:Sameerah Hasan Abdullah

Academic Degree: PhD in Laser Therapy

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Academic Profile:

I hold a Bachelor's degree in Medical Technologies from the Radiology Department, where I gained a solid foundation in diagnostic imaging and radiological techniques. I completed my Master's degree in Medical Physics with a specialization in diagnostic and radiation therapy, focusing on advanced methods of radiation detection, dosimetry, and clinical applications in oncology. I also hold a PhD in Medical Physics with a research specialization in laser therapy and biological treatment applications, with an emphasis on exploring laser–tissue interactions, therapeutic laser modalities, and the development of innovative bio-medical treatment approaches. My academic and research interests include diagnostic imaging, radiotherapy, laser-based medical applications, and the advancement of modern medical physics in clinical practice and scientific research.

The scientific title: Lecturer

Workplace: Community Health Technologies Department/ Kirkuk, Northern Technical University.

PhD Thesis Title: The effect of low level laser therapy in radiodermatitis ulcer using injection of platelet-rich plasma and growth factors-rich plasma: Model of guinea pig radiodermatitis.

Courses & Training: I have actively participated in and led numerous training programs in various medical fields, and also in advanced scientific research and academic writing.

Conferences: I have participated in numerous medical conferences, with the most recent being(The first international conference on Applications of Laser in Medicine and Surgery .31-10 to 1-11/2025.

Publications:

1- Laser Photobiomodulation of Human Dermal Fibroblasts Combined With Plasma Rich in Growth Factors and Platelet-Rich Plasma: A Comparative In Vitro Analysis.

2-loosing or damaging occur in x-ray films and its effects on patients health.

3-The ability of green silver nanoparticles to prevent negative effects of X-ray on some physiological parameters in albino male rats.

4- Effects of Infrared Radiation on Escherichia coli Isolated from Appendectomy.

5-Effects of Different Doses of Gamma Rays and Ascorbic Acid Concentration on Human RBCs for Conservation purpose

6-Effects of infrared radiation and microwave diathermy in treatment of sever neck and upper back muscle spasm

7- Potential effect of green zinc oxide nanoparticles against X-ray on kidneys of albino male rats

8- Radionuclides concentrations in soils of Al-Hawija Technical Institute - Kirkuk Governate

9- Effects of Low-Level Gallium-Aluminum-Arsenide Laser Therapy on Human Dermal Fibroblast Proliferation, ATP, and ROS Levels.

10- Biophysical effects of continuous x-ray on the level of serum thyroxin in hyperthyroidism patients.