The biography

Name: Ghofran Ismail Ibrahim

Date of birth: 12/7/1988

Specialization: Laser applications in dentistry

The job: Dentist

Academic degree: Master's

Date of obtaining the scientific title:7/4/2024

Work address: Ashur University/ Faculty of Dentistry

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First: Academic qualifications

The date	The college	The university	Academic degree
2010	dentistry	Baghdad	Bachelor's
2024	Laser Institute for Postgraduate Studies	Baghdad	Master's

Second: Summary of the service

Period from–to	The side	Workplace
6/2/2012-25/2/2013	Al-Alawiya Specialized dental Center	Periodic resident dentist
7/3/2013-17/5/2015	Mahmoudia Health Center	Dentistgraduate
19/5/2015-14/10/2021	Al-Sulaikh Health Center	Practicing dentist

19/9/2021-18/3/2024	University of Baghdad/Laser Institute for Postgraduate studies	Master's student
1/10/2024-Continuingservice Until now	Ashur university	Teaching assistant

Third: Published scientific research

The year	Scientific Journal	Research name
2024	Iraqi Journal of Laser	In vitro Study the Effect of Laser Photon-Induced Photoacoustic Streaming on the Enterococcus faecalis Biofilm in Complicated Root Canal System
2024	Journal of Clinical and Experimental Dentistry (Scopus Q2)	Eradication of mature biofilm from the isthmus region using Er, Cr: YSGG Laser as an activator of2% chlorhexidine gluconate
2024	BRAZILIAN DENTAL SCIENCE (Scopus Q3)	Antimicrobial activity of Er, Cr: YSGG and Ultrasonic on *E.faecalis* biofilm in the mesial root canal systems of lower Molars
2024	Journal of Dental Research, Dental Clinics, Dental Prospects (Scopus Q3)	Investigating the effect of Er, Cr: YSGG laser agitation of sodium hypochlorite on the removal of mature biofilm in the complex root canal systems by using atomic force microscope

Fourth: Other scientific activities

Activities
Review of article in title "Impact of passive ultrasonic irrigation on the outcome of non-surgical root canal treatment: a meta-analysis of randomized clinical trials" Sent to the solid scientific journal: **Restorative Dentistry & Endodontics Journal** (Clarivate, IF 1.5)
Review of article in title **"**Development and validation of an assessment sheet for all-ceramic crown preparations: A methodological study" Sent to the solid scientific journal: **Journal of Dental Research Dental Clinics Dental Prospects** (Scopus Q3).

Fifth: Thanks letters

The year	A letter of thanks, award or certificate	The donor
2013-2024	Many books of thanks and appreciation	• Iraqi Ministry of Health • Baghdad Health Department, Al-Rusafa • Adhamiya sector
2024	Thanks, and appreciation	Ministry of Higher Education and Scientific Research/Presidency of the University of Baghdad/ Department of Scientific Affairs