

Noha Sabry ElMalah, BDS, MSc

Alexandria, Egypt - 01004996814 - Nohasabry@adj.aast.edu

Education

MSc in Dental Biomaterials — Alexandria University (2020–2024)

Thesis: Effect of nanomodified 3D printed photopolymerizable resin on flexural strength, color, and antimicrobial efficacy: An in vitro study

BDS — Alexandria University (2013–2019)
| Excellent with Honors | Rank: 20th
IGCSE — Pioneers International School (2011–2013) | 99.5% | Rank: 1st

Research Interests

- Digital workflow integration in restorative dentistry
- Surface finish and wear resistance of CAD/CAM materials
- Additive manufacturing vs. subtractive milling in prosthodontics
- AI-assisted prosthesis design
- Cost-effectiveness of digital restorative workflows

Skills & Competencies

Technical: CAD/CAM (Exocad, 3Shape);
Material testing; 3D printing in dental applications

Research & Analysis: SPSS, R, Microsoft Excel

Soft: Reliability, adaptability, communication, manual dexterity

Professional Profile

Assistant Lecturer in Dental Biomaterials at the Faculty of Dentistry, AAST, ElAlamein, with research expertise in CAD/CAM restorative systems, additive manufacturing, and the surface performance of dental prostheses.

Published in The Journal of Prosthetic Dentistry (Q1 journal). Skilled in integrating digital workflows into dental education and fostering student-centered learning. Committed to advancing evidence-based practice, interdisciplinary research, and innovative material science applications in dentistry.

Academic Appointments

Assistant Lecturer, Dental Biomaterials Department - AAST, ElAlamein, Egypt (July 2024–Present)

- Deliver undergraduate lectures and laboratory instruction in dental biomaterials.
- Integrate CAD/CAM applications into pre-clinical training.
- Supervise research projects focused on restorative materials and digital workflows.

Teaching Assistant, Dental Biomaterials Department - AAST, ElAlamein, Egypt (Oct 2020–Jun 2024)

- Assisted in course delivery and lab

Languages: Arabic — Native; English — Fluent

Awards & Honors

- Class Rank 1st — IGCSE
- Honors Degree — BDS, Alexandria University

supervision.

- Developed assessment tools and supported curriculum design.

Publications

ElMalah, N., et al. (2024). Evaluation of 3D printed nano-modified resin shear bond strength on titanium surfaces (an in-vitro study). The Journal of Prosthetic Dentistry. <https://doi.org/10.1016/j.prosdent.2024.03.036>

ElMalah, N., et al. (2024). Evaluation of 3D printed nano-modified resin shear bond strength on titanium surfaces (an in-vitro study). BMC Oral Health. <https://doi.org/10.1186/s12903-025-06223-8>

Professional Development & Courses

- Advanced Comprehensive Dental Implants Certificate Program
- Posterior Composite & Rubber Dam Isolation — Dr. Abdelrahman Tawfik
- Ceramic Veneers (42nd Course)

Clinical Experience

General Dentist - Dr. Hammada Deyab Clinic, Alexandria (2019)

- Provided restorative and preventive dental care with focus on biomaterial selection.

Trainee Dentist - Dr. Hossam Allam Clinic, Alexandria (2019)

- Assisted in prosthodontic and restorative procedures.

References

Prof. Dawlat Mostafa, Head, Dental
Biomaterials Department, AAST, ElAlamein
— dawlatmostafa@aast.edu