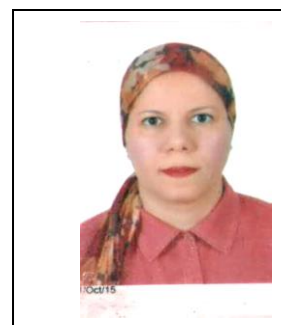


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CV

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Education

- 1990** (BSc) Faculty of Dentistry, Cairo University, Egypt
- 2000** (MSc) Faculty of Dentistry, Cairo University, Egypt
- 2007** (PhD) College of Dentistry, Cairo University, Egypt
- 2021** Postgraduate Diploma in Healthcare Quality Excellence, AUC 2021 American University
- 2021** Crisis Management Course (AUC)
Personal Brand Course (AUC)
Design Thinking Course (AUC)

Professional Expertise

- 2023- 2024 Vice Dean of the College for Graduate Studies and Scientific Research
- 2022-2024 Head of Department of Operative Dentistry Ahram Canadian University.
- 2022-2024 Associate Editor of Ahram Canadian Dental Journal.
- 2021 -2022 Director of Quality and Accreditation Unit at College of Dentistry, Deraya
- 2020-2022 Professor; College of Dentistry, The University of Deraya, Egypt
- 2019-2019 Professor; College of Dentistry, The University of MUST, Egypt
- 2015-2019 Head of Department of Operative Dentistry MUST University, Egypt
- 2013-2018 Associate Professor; College of Dentistry, The University of MUST, Egypt
- 2011-2015 Associate Professor; College of Dentistry, Qassim University, Saudi Arabia
- 2013-2013 Chairman for oral and poster presentation at adhesive session in IADR general session in Washington state, Seattle, in March 2013
- 2007-2013 Lecturer; College of Dentistry, The University of MUST, Egypt
- 2001-2007 Assistant Lecture; College of Dentistry, The University of MUST, Egypt
- 2008-2024 Participation in many international scientific societies, International association for Dental research (IADR), American association for dental research (AADR) and Canadian association for dental research (CADR)

Research Interests

Nanotechnology has ascended to become one of the most favorable technologies, and one which will change the application of materials in different fields. The quality of dental biomaterials has been improved by the emergence of nanotechnology. This technology

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manufactures materials with much better properties or by improving the properties of existing materials.

Artificial intelligence (AI) is a technology that utilizes machines to mimic intelligent human behavior. To appreciate human-technology interaction in the clinical setting, augmented intelligence has been proposed as a cognitive extension of AI in health care, emphasizing its assistive and supplementary role to medical professionals.

Selected Publications/ Conferences

- 1- S Abd El Halim, Amal Sakr and D Zaki. Fracture Toughness, Flexural Strength and Wear of Nano-clustered Composite. Egyptian Dental Journal; Vol. 56, 1:15, January, 2010

Paper Presented as a Poster and discussion in IADR General Session in Miami, Florida. April 1-4,2009.

- 2- S Abd El Halim and D Zaki. Comparative Evaluation of Microleakage Among Three Different Glass Ionomer Types. **Operative Dentistry**.2011;36(1): 36-42

Paper Presented as a Poster and discussion in IADR General Session in Barcelona, Spain. July 14-17,2010.

- 3- ***Attending IADR/AADR/CADR General Session (San Diego, California) 2011***

- 4- Dalia Yehia Ibrahim Zaki, Esmat Mahmoud Aly Hamzawy, Sahar Abd El Halim, Mohamed Ahmad Amer. Effect of Simulated Gastric Juice on Surface Characteristics of Direct Esthetic Restorations. Australian Journal of Basic and Applied Sciences, 2012;6(3): 686-694

- 5- Mohammad Almohaimeed and Sahar Abd El Halim. Diode Laser De-Bonding of Pre-Coated Ceramic Brackets. Journal of American Science 2013;9(5s)

Paper Presented as a Poster and discussion in IADR General Session in Washington State Convention Center in Seattle, Washington in March 2013

- 6- Mohammad Almohaimeed and Sahar Abd El Halim. Influence of Polishing Procedures on Properties of Nano-Composite Resins. Life Science Journal 2014;11(3s)

- 7- ***Oral presenter in IADR general session in March 2015 Boston***

- 8- Effects of Different Collagen Cross-Linking Agents on Dentin Bond Strength. Egyptian Dental Journal; Vol. 61, 4275:4281, October, 2015

- 9- Micro Leakage at Resin Composite-Tooth Interface Utilizing Unicem Cement, Various Adhesive Systems and A Recent Resin composite (In-Vitro Study). Egyptian Dental Journal; Vol. 62, 4451:4460, October, 2016

- 10- Sahar Abd El Halim ,Rasha Raafat and Amr El Ganzory. ESEM Analysis of Enamel Surface Morphology Etched with ER, CR: YSGG Laser and Phosphoric Acid: In vitro Study. Egyptian Dental Journal ; Vol. 63, 223:229, January, 2017

- 11- Effect of different polishing systems on properties of contemporary composite resins. Egyptian Dental Journal vol.63 (2):547-557, April, 2017

- 12- Chemical and Morphological Analysis of Human Demineralized Enamel Surface by Acid and Laser Etching Following Remineralization by MI Paste Plus. Egyptian Dental Journal; Vol. 63, 1425:1433, October, 2017

- 13- S Abd El Halim. The Effects of Tricalcium Phosphate and Novamin Remineralizing Agents on Microhardness of Bleached Enamel with 35% Hydrogen Peroxide-An In vitro Study. Egyptian Dental Journal; Vol. 64, 251:258, January, 2018

- 13- Effect of Laser Etching on Bonding and Debonding of Orthodontic Brackets. Egyptian Dental Journal; Vol. 64, 71:78, January, 2020

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- 14- S Abd El Halim. Comparative Evaluation of Shear Bond Strength of a Bioactive Composite and Nano-composite: An in vitro study. Egyptian Dental Journal; Vol. 64, 519 :525, April, 2021
- 15-Comparative evaluation of micro-hardness and surface roughness of different composites resins and polishing system (an in vitro study). Ahram Canadian Dental Journal;vol.2, 24:36, April, 2023
- 16-Chairperson for Esthetic Session in Wednesday,June5, 2024 at Africa Health ExCon

Training course:

- Attending the workshop EKB ACU Publication Ethics and Research Misconduct
- Attending the workshop EKB ACU Grant proposal drafting
- Attending the workshop EKB ACU workshop: Research Funding: Grant proposal drafting
- Attending the workshop EKB ACU workshop: From papers to patents: Innovation Roadmap for universities
- Training course in Research Ethics from Faculty and Leadership Development Center, Cairo University.
- Training course in Conference Organization from Faculty and Leadership Development Center, Cairo University.
- The use of technology in teaching.
- International publication.
- Examination systems and student assessment.
- International publication of scientific research.
- Communication skills in different pattern of education.
- Problem base learning course in Qassim University.
- Problem base learning: Advanced Course in Qassim University.
- CAD / CAM course
- Quality Assurance in Higher Education.
- Basic life support course and workshop.
- Financial and legal aspects in university work.
- University Management
- Crisis Management Course(AUC)
- Personal Brand Course(AUC)
- Design Thinking Course(AUC)

Work Experiences:

Female Director of Research Center on Qassim University Saudi Arabia (2012-2015)
Responsible for Continuing Education for Female on Qassim University Saudi Arabia (2011-2015)
Director Management of internship Female students (2014-2015)
Reviewer for scientific articles of Saudi conferences affiliated to the Saudi Ministry of Higher Education (2013-2015)
Former responsible for the university book for Faculty of Dentistry in MUST University

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