

Prof. Dr. Ahmed Nour El-Din Ahmed Habib



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Education (Scientific Qualification)

- **Bachelor of Oral and Dental Medicine:** Cairo University, May 1975.
- **Master Degree** in Biomaterials, June 1982.
- **The degree of Doctor of Philosophy** in Basic Dental Science "Dental Materials", December 1988.

Career Progress:

- Demonstrator in Biomaterial Department from 31/3/1977 till 8/10/1982.
- Assistant Lecturer from 9/10/1982 till 28/3/1989.
- Lecturer from 29/3/1989 till 26/7/1994.
- Assistant Professor from 27/7/1994 till 26/9/2000.
- Professor from 27/9/2000.
- Former Chairman of Biomaterials Department, Faculty of Oral and Dental Medicine, Cairo University, 2006-2007.
- Director of Continuing Dental Education, Faculty of Oral and Dental Medicine, Cairo University, 2007-2008.
- Former Dean, Faculty of Oral and Dental Medicine, Cairo University, 2008-2011.
- Member of the Permanent Scientific Committee for Promoting Lecturers and Associate Professors (Dentistry Section).

Publications:

- Color Differences between Composite Resin Shade Guides and Correlation to Vita Ceramic Shades. 5th Annual Conference of the Society for Color and Appearance in Dentistry (SCAD) Denver, Colorado, USA, Oct 3-5,2013.
- Assessment of anodized titanium implants bioactivity. Clinical oral implants research, July 2012.
- Plasma-grafting of Oxygen-containing functionalities on Polycaprolactone Scaffolds: An Attempt to Enhance Cell Adhesion. Egyptian Dental Journal, Accepted November 2012.
- Evaluation of an Innovated Zirconia Surface Treatment Technique. The Journal of American Science. Accepted November 2012.
- Human Variables Affecting Shade Selection and Reproduction. 4th Annual Conference of the Society for Color and Appearance in Dentistry (SCAD) Chicago, USA, Sep 28-29,2012.
- Zirconia–resin cement bond: An innovative surface treatment technique. *Dental Materials* 2011, 27; e50.
- Gingival microleakage of class II resin composite restorations with fiber inserts. *Operative dentistry journal*, 32, 2007.
- Correlation between water sorption and wear resistance of composite restorative resins. *Egyptian Dental Journal*, July 2000.
- Air-abrasion and acid conditioning of dentin and its effect on the shear bond strength of light cure glass ionomer and composite restorative materials. *Egyptian Dental Journal*, April 2000.
- An assessment of marginal leakage and compressive strength of class II restored by packable and flowable composite resins. *Egyptian Dental Journal*, April 2000.
- The effect of using low viscosity resin liners on the marginal integrity of two composite resin restorative systems. *Egyptian Dental Journal*, January 2000.
- Bond strength study: an evaluation of different induced mechanical interlock design bases of stainless steel orthodontics. November 1999.
- The effect of surface adjustment on the corrosion behavior of non-precious alloys. *Egyptian Dental Journal*, October 1998.
- The effect of external light sources on the degree of conversion of photo-cured composite resins. *Egyptian Dental Journal*, July 1998.
- Effect of casting and recasting on the microhardness and microstructure of some dental casting alloys. *Azhar Dental Journal*.
- Corrosion and metallurgical study of porcelain fused to metal alloys. *Egyptian Medical Journal*, April 1995.

- Evaluation of corrosion behavior and some mechanical properties of silver rich gamma-2 free amalgam. Egyptian Dental Journal, December 1993.
- Scanning electron microscope study for axial and marginal fitness of three different ceramo-metallic alloys. Egyptian Dental Journal, October 1993.
- The effect of the type and technique used for impression making on the accuracy of elastomeric impression materials. Egyptian Dental Journal, October 1993.
- Effect of casting of five different ratios of fresh/used two ceramometallic alloys on bond strength to porcelain. Egyptian Medical Journal, October 1993.
- Evaluation of the solubility of glass polyalkenoate, zinc phosphate and polycarboxylate cements in respect to disintegration and electric conductivity methods. Egyptian Medical Journal, December 1993.
- Effect of talc addition on certain properties of phosphate containing dental porcelain. Egyptian Dental Journal, July 1991.
- Effect of Casting and recasting on the microhardness and microstructure of some dental casting alloys. Azhar Dental Journal.
- Effects of disinfecting solutions on surface texture reproduction of stone die material by elastomeric impression materials. Azhar Dental Journal, July 1991.

Scientific Conferences Presentations:

1. Human variables affecting shade selection and reproduction, Society for Color and Appearance in Dentistry, USA 2012.
2. PF-plasma Deposition of PEO-like coatings on PCL scaffolds: An Approach to Guide Cell Colonization, High Tech Plasma Processes Conference, Italy, June 2012.
3. An innovative method to induce cell ingrowth through 3D porous scaffold by poor cell adhesive coatings. Societa Italiana Biomateriali (SIB) Italy, June 2012.
4. Zirconia–resin cement bond: An innovative surface treatment technique. Annual meeting of Academy of Dental Materials (ADM), Brazil, October 2011.
5. PE-CVD of 3D Polycaprolactone scaffolds for tissue engineering, AUCPT workshop and training program in Plasma Technology Applications in Industry, Enviromental and Medicine, Cairo Egypt November 2011.
6. Plasma Deposition of PEO-like coatings on 3D scaffolds. Societa Italiana Biomateriali (SIB) Italy, May 2011.
7. A Study on Shade Selection and Duplication, International Association of Dental Research (IADR), Spain 2010.
8. Micro-tensile bond strength of single-bottle adhesives in class II restorations, Annual meeting of academy of dental materials (ADM) 2007.
9. Degree of conversion and shrinkage stress of silorane composite. International Association of Dental Research (IADR) 2007.

Supervisions:

1. Zirconia-resin cement bond: an innovated surface treatment technique 2010-2012.
2. A study on shade selection and duplication 2007-2009.
3. Anti-bacterial activity and nano-leakage of new antibacterial adhesive systems and resin modified glass ionomer liners 2004-2008.
4. An assessment of noval low-shrinkage resin composite restoratives 2004-2008.
5. Reinforced composite as substitutes for porcelain veneering materials 2004-2008.
6. The effect of different surface treatments on dentin and adhesive permeability 2005-2008.
7. The shear bond strength and microleakage of self adhesive resin cement in bonding ceramic substrate to dentin 2007.
8. The efficacy of total etch versus self etch technique on the bond strength of resin composite to normal and sclerotic dentin.
9. The effect of rotational speed on the cyclic fatigue of nickel-titanium rotary endodontic instrument 2004.
10. A study on experimental formulations for development dental cements 2006.
11. Gingival microleakage of class II resin composite restorations with fiber inserts: an in-vitro study 2004.
12. Evaluation of some properties of different types of provisional restorative materials.
13. Correlation between the polymerization shrinkage of composite materials and their bond strength to dentin 1999.
14. The effect of composition and hydrolytic degradation of light activated composite resins on their wear and fracture toughness 1997-1999.
15. The effect of some methods of surface treatment of base metal alloys used in resin bonded retainers on their corrosion behavior and bond strength 1994.
16. Phase transformation, corrosion and creep of high copper and palladium enriched amalgam alloys 1990-1994.
17. The effect of sagging on the marginal fit of long span fixed partial dentures with both cast and solder joints 1991-1993.
18. Effect of water immersion on the bond strength between some hard and resilient reline materials and acrylic resin 1992-1993.
19. The effect of the technique of application and thickness of die spacer on the accuracy of seating of three quarter crowns 1990-1992.
20. Comparative sealing ability of certain retrograde filling materials: an in-vitro study 1991-1992.
21. A study on the accuracy of vinyl polysiloxane and polyether elastomeric impression materials 1990-1992.
22. An investigation into the chemically set and light cured calcium hydroxide materials 1989-1992.
23. Some variables affecting the bond strength between composite resin and glass polyalkenoate 1989-1991.

Scientific Reviewing:

1. Mechanical assessment of restored compromised enamel 2008.
2. Preparation of Biodegradable scaffold for dental and medical tissue engineering 2007.
3. Preparation and evaluation of phosphate bonded investment from Egyptian raw materials 2006.
4. Laboratory and clinical evaluation of the gold electroformed restorations compared to all ceramic and metal ceramic systems 2006.
5. Development of tissue engineering scaffold utilizing bioactive glass having nano meso scale 3D porosity 2005.
6. Evaluating scientific dental materials researches for lecturers and assistant Professors.
7. Effect of Argon Laser activation on some properties of dental composite resins 1998.

Books:

- Notes on Dental Materials 2002-2004.
- Essentials of Dental Materials 2007-2008.

Patents:

- An innovated Zirconia Surface Treatment for Dental Appliance:
-Patent Cooperation Treaty (PCT): PCT/EG2011/000014, Date of application: 14/6/2011, Date of Publishing: 20 December 2012.
- Ministry of Scientific Research, Academy of Scientific Research and Technology: No. 2011/1069, Date of application: 22/06/2011.

Others:

- Board Member and Director of Continuing Education of the Egyptian Dental Association.
- Active Member of the Society of Color and Appearance, SCAD, USA.
- Member of the Academy of Dental Materials.
- Lecturer and Workshop Demonstrator in Aesthetic build up of teeth.
- Accredited Continuing Education provider (ADA) for aesthetic build up of teeth.
- Associate Editor of the Journal of Advanced Research (Official Journal of Cairo University).
- Reviewer in the journal of Restorative dentistry.

Personal Data:

- **Gender:** Male
- **Date of Birth:** 17/07/1952
- **Place of Birth:** Alexandria, Egypt
- **Nationality:** Egyptian
- **Marital Status:** Married