

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Prof Dr Banu ÖNAL DDS PhD

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LANGUAGES

Turkish, German and English

EDUCATION

Elementary School: Çavuşoğlu Koleji, İstanbul / Turkey **High schools:**

*1972-1975 Altsprachliches und Humanistisches Gymnasium
Dieburg/Germany.

*1975-1980 Mathematisches, Naturwissenschaftliches und
Neuprarchliches Gymnasium Birkenfeld/Germany.

UNIVERSITY EDUCATION

*1980-1985 Dental Medicine, School of Dentistry, Philipps-University of Marburg
/ Germany.

*1986- State Exam and “Approbation” (D.D.S.) School of Dentistry, Philipps-
University of Marburg/ West Germany.

*1988 Ph.D. in Department of Endodontics and Restorative Dentistry Philipps-
University of Marburg/ Germany.

*1992 “Habilitation” in Ankara Turkey and awarded Associated
Professor in Ege University, İzmir, Turkey.

*1998 Professor for Restorative Dentistry and Endodontics, Ege
University, Izmir, Turkey.

PROFESSIONAL COURSES

*1991” Laser in Medicine” professional course, Laser Medicine Centrum
Berlin/Germany.

*1991 Vitadur Ceramic Inlay course. Vita Laboratories
Bad Saeckingen Germany

*1991 International Professional course CAD/CAM Technology,
University of Zurich **Zurich/Switzerland.**

*1992 Professional Reanimation Course, School of Medicine Free
University **Berlin/Germany**

*1992 SEM and TEM Techniques University of Southern California
Los Angeles/USA

*1996 Application of Computer Techniques. Ege University School of Computer
Techniques İzmir, **Turkey**

*2000 SEM and TEM Techniques Baylor College, Dental School
Dallas/USA

***2000-2013** Interactive Education, Problem Based Learning and Evidence based
Learning. Congresses and Meetings of the Ass. of Dental Education in Europe in
various countries of Europe (**Germany, Greece, United Kingdom, Poland,**
Ireland, Finland, Holland and France)

***2001** Education Skills Ege University School of Medicine
İzmir/Turkey

- *2001 Key Educators Ultradent **Salt Lake City Utah /USA**
- *2002 Problem Based Learning, **Dresden Germany**
- *2004 Composite and Adhesive Techniques Vivadent/Ivoclar **Schaan / Liechtenstein**
- *2004 Inlay Techniques, **Schaumburg Illinois / USA**
- ***2007** Medical Education Ege University School of Medicine Department of Medical Education **İzmir Turkey**
- *2006 E-learning I Cracow / **Poland**
- *2007 E-learning II Trinity College, School of Dentistry **Dublin / Ireland**
- ***2012** Implantology İstanbul / **Turkey**
- ***2013** Hands on Courses at the Laboratories WH in **Salzburg / Austria**

SCHOLARSHIPS

- ***1999 NATO and Tubitak Scholarship** for Research Department. of Molecular Biology, School of Dentistry, Baylor College, **Dallas, USA**
- ***2014 YÖK Scholarship** for Guest Professor University of Illinois School of Dentistry **Chicago USA**

POSITIONS ABROAD

*1991-1992 Freie University School of Dentistry Research Teaching Assistant
Department of Prosthodontics **Berlin/Germany**

*2000 Guest Researcher, Baylor College, School of Dentistry,

Dallas / USA

*2004 Guest Researcher Bisco Laboratories Schaumburg **USA**

Illinois USA

*2006 Guest Professor **University of Illinois, School of Dentistry Chicago**
USA

*2014 Guest Professor **University of Illinois, School of Dentistry Chicago**
USA

BOOKS

* Dental Materials In Restorative Dentistry (**ISBN 975-483-510-1**)

* Dental Materials and Techniques In Conservative Dentistry (**CD**)

*Scanning Electron Microscopic Atlas about Dental Hard Tissues.
(**ISBN 975-483-573-**)

*Dental Materials and Their Applications in Restorative Dentistry
(**ISBN 973-483-582-9**)

Number of citations on SCI/SSCI Publications: 67

DUTIES ABROAD

*Global Delegate of the world Congress of ADEE (Association for Dental Education in Europe) and DentEd 2007 **Dublin /Ireland**

* Cariology Curriculum Workshop 2010 Berlin. European Organisation for Caries Research and Association of Dental Education in Europe **Berlin, Germany**

*2000- Consultant Dentist for German General Consulate in Eagean Region **İzmir/Turkey**

*Nominated as a referee for professorial position Chair of Endodontics, Melbourne Dental School (Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne). **Melbourne, Australia**

*FDI 2020 Vision Working group Kuşadası İzmir 2014 **Kuşadası, Turkey**

HONORS AND AWARDS

*1992 scientific award of Turkish Society of Dentistry and Hacettepe University which was given in memory of Professor Dr. Y.Noras. **Ankara,Turkey**

*1993 European Society of Endodontology London, UK. “Root Canal Preparation with Er: YSGG Laser” was elected as one of the best 5 Papers **London, UK.**

*1999 awarded a grant in scope of the NATO Science Fellowship Programme of the Scientific and Technical Research Council of Turkey at the Dept. of Molecular Biology, School of Dentistry, Baylor College, **Dallas, USA.**

*2004 Poster Award Samsun, Turkey Restorative Dentistry Meeting **Samsun, Turkey**

*1992-2009 Awards for SSC Publications Tübitak and Ebiltem **Ankara, Turkey**

*2014 awarded a grant in scope of the YOK Programme of the Scientific and Technical Research Council of Turkey at the Dept. of Molecular Biology, School of Dentistry, University of Illinois Dental School **Chicago, USA**

INTERNATIONAL CONGRESSES

1. Schmidt, H.F.M.; Basler, H.D.; Önal, B.: Vergleichende Untersuchungen über Gebisszustand, Essgewohnheiten, Mundhygiene und Gesundheitsbewusstsein bei türkischen und deutschen Schulkindern.
6. Jahrestagung der Arbeitsgemeinschaft für Kinderzahnheilkunde und Prophylaxe 18, 19.9.1987, **Düsseldorf, Germany.**
2. Önal, B.; Liesenhoft, T.; Lenz, H.; Siebert, G.: SEM, TEM investigation on root canals after Nd: YAG and Excimerlaser preparation.
Research Session, Congress of the European Society of Endodontology, 4.10.1991, **Cannes, France.**
3. Schüttler - Janikulla, C.; Önal, B. : Marginal Leakage Around Cavities Filled with Glasionomer Cements in vitro International Association for Dental Research (IADR) , 4.7.1992, **Glasgow, UK**
4. Önal, B.; Benthin, H.; Ertl, T.: The Application of Er: YSGG and Excimer Laser Radiation on Root Canals.Congress of European Society of Endodontology, 13 Nov. 1993 **London UK**
5. Benthin, H.; Ertl, T.; Önal, B.; Schründer, S.; Müller, G.: Root Canal Preparation with Er: YSGG Laser. Congress of European Society of Endodontology 11 Nov. 1993, **London UK** Research Prize Session.International Endodontic Journal, 27, 94, April, 111, 1994.
6. Dalat, D.; Önal, B.; Ertl, T.: Apical Leakage of a new glass ionomer root canal sealer. Research Seminar, Congress of American Association of Endodontists 28 April 1994, **Honolulu, Hawaii, U.S.A.**
7. Tuğsel, Z.; Tezel, H.; Önal, B.: The Effects of TiF₄, NaF and Amine Fluorides on Enamel after Topical Applications in vitro: A SEM Study. 1.Balkan Dental Congress, 30 Mart 1996, **Thessaloniki, Greece .**

8. Özata, F.; Önal, B.; Erdilek, N.; Türkün, Ş.: A comparative study of apical leakage of Apexit, Ketac-Endo and Diaket root canal sealers.
The 8th biennial Congress European Society of Endodontology, June 12- 14, 1997, **Göteborg, Sweden.**
9. Özata, F.; Erdilek, N.; Önal, B.; Türkün Ş.: The penetration of calciumsalicylate and glass ionmer sealers into dentinal tubules: A SEM study.The 8th biennial Congress European Society of Endodontology, June 12- 14, 1997, **Göteborg,Sweden.**
10. Tezel,H., Ergücü,Z., Önal,B.:Effects of Tif₄ , Durapliat and Elmex on Artificial Enamel Lesion Formation in vitro. 2. Balkan Dental Congress, 15.4.2000 **Thessaloniki, Greece.**
11. Pamir T, Önal B: A Clinical study about the Glassionomer Hybrid Restorations. Internatonal Association for Dental Research (IADR) Kongresi Europe Division, 2004, **İstanbul Turkey poster**
- 12.Dalgar H, Önal B: The effect of Biscover LV on Unpolished Composite Surfaces-Tooth brushing test The second Int. Congress on Adhesive Dentistry April 22-24 **Tokyo Japan 2005**
13. Ilgın Akçay, Hande Kemaloğlu, Oğuz Aktener, Banu Önal Comparison of the Fracture Resistance of Fiber Post Systems with Different Shape and Content. (Poster) **13-15 October 2011 CONS Euro İstanbul**
14. Hande Kemaloğlu, Ilgın Akçay, Banu Önal, Oğuz Aktener The effect of polishing procedures and alcohol on the adhesion strength of different glaze materials(Poster) **13-15 October 2011 CONS Euro İstanbul**
15. Zeynep Ergücü, Tijen Pamir, Elif Ercan, Banu Önal: Microleakage of Gum-Colored Resin Composites in Class V Cavities. (Poster) 13-15 October **2011CONS Euro İstanbul**

- 16.** İpek Bölükbaşı, Tijen Pamir, Banu Önal: Fracture strengths of Composite Laminate Veneers Fabricated by different Preparation Techniques (Poster) 13-15 October **2011 CONS EURO İstanbul**
17. Ercan,E., Pamir, T, Ergücü, Z, Önal, B.: The effect of a desensitizing agent in relieving dentin hypersensitivity. **CONS EURO Paris,** 9-11 .05.**2013** (Poster)
- 18.** Atalayın, Ç, Tezel, H, Ergücü, Z., Önal,B., Konyalıoğlu, S, Armağan,G, Keser, A, Dağcı,T: Effect of an Anti-oxidant on Cytotoxicity of Dentin Bonding Agents. **FDI İstanbul,28-31.08. 2013** 19.Peşkersoy, C. Pamir, T, Ergücü, Z., Önal, B.: Microshear Bond Strength Of A Self Adhering Flowable Resin Composite To Dentin. **FDI İstanbul,28-31.08. 2013**
- 20.** Recen,D, Önal,B, Türkün, Ş, Cankurt H.: Comparison of conventional vs spectrophotometric methods of shade selection regarding experience 14-**16.05.2015** **CONS EURO London UK**
21. Peşkersoy, C, Türkün, M, Önal, B.: Comparative Clinical Efficacy of a New Method for Caries Diagnosis and Excavation **IADR- CED Antalya Turkey** 15-17. 10, **2015**
- 22.** Recen,D, Önal,B. Türkün, Ş: Composite Veneers with different techniques **IADR- CED Antalya Turkey** 15-17.**2015**

INTERNATIONAL PUBLICATIONS

1. Schmidt, H.F.M.; Basler, H.D.; Önal, B.: Vergleichende Untersuchung Türkische Kinderzähne Besser Als Deutsche. Zahnärztliche Mitteilungen, 18/79, 2051, 1989.
2. Önal, B.; Ataman, B.; Siebert, G.: Rasterelektronenmikroskopische Untersuchung des Frakturwrierstandes der Frontzähne mit und Ohne Wurzelstifte. Zahnarzt Magazin, 2, 1, 6-7, 1992.
3. Schüttler-Janikulla, C.; Önal, B.; Siebert, G.: Untersuchung zur Randspaltbreite von alternativen Füllungsmaterialien für den Seitenzahnbereich an II-Kavitäten in vitro. Zahnarzt Magazin, 4, 11, 32- 36, 1992.
4. Önal, B.: Vergleichende Untersuchung zur Kariesintensität bei Türkischen Kindern in Deutschland und in der Türkei. Schweizer Monatsschrift für Zahnmedizin, Vol. 102, 11, 1333-1336, 1992
5. Önal, B.; Ertl,T.; Siebert,G.; Müller,G.: Preliminary Report on the Application of Pulsed CO₂ - Laser Radiation on Root Canals with AgCl- Fibers. A Scanning and transmission electron microscopic Study. Journal of Endodontics, 19, 6, 6, 272-276, 1993.
6. Önal, B.; Ertl, T.; Siebert, G.; Müller, G.: Vergleichende Rasterelektronenmikroskopische Untersuchung über die Effektivität von Laser und Ultraschall bei der Wurzelkanalaufbereitung. Zahnärztliche Welt, Zahnärztliche Rundschau (ZWR) 102. Jahrg Nr: 9, 612-615,1993.
7. Dalat, D.; Önal B.: Apical Leakage of a new glass ionomer root canal sealer. Journal of Endodontics 24,3:161-170, 1998.
8. Özata, F.; Önal, B.; Erdilek, N.; Türkün, Ş.: A comperative study of apical leakage of Apexit, KetacEndo and Diaket root canal sealers. Journal of Endodontics. Vol 25, 9, 603-605;1999.

9. Tezel,H.,Ergücü,Z.,Önal,B.:Effects of TiF₄, Duraphat and Elmex on artificial enamel lesion formation in vitro.Quintessenz International., April 2002
10. Kalender A, Önal B, Türkün M, Dalgar H, Kaytan B; Shearbond strengths of three different resin cements to bovine teeth Journal of General Dentistry 53, 1, 38-42:2005
11. Pamir T, Özyazici M, Baloğlu E, Önal B; The efficacy of three desensitizing agents in treatment of dentine hypersensitivity. Journal of Clinical Pharmacy and Therapeutics 30, 73-76;2005
12. Kaytan B, Önal B, Tezel H, Pamir T: Clinical evaluation of indirect resin composite and ceramic onlays over a 24-month period. Journal of General Dentistry; 2005
13. Önal B, Pamir T: Clinical performance of esthetic restorative materials in class V restorations. JADA ; 2005
14. Pamir T, Dalgar H, Önal B:Clinical Evaluation of Three Desensitizing Agents in Relieving Dentin Hypersensitivity Operative Dentistry October-December 2007
- 15. Pamir T, Dalgar H, Önal B: Clinical Evaluation of Three Desensitizing Agents in Relieving Dentin Hypersensitivity Operative Dentistry, 32-6, 544-5; 2007*
16. Atalayın,Ç,Balkıs, M, Tezel , H, Önal, B, Kayrak G: The prevalence and consequences of burnout on a group of preclinical dental students European Journal of Dentistry Vol 9, Number 3, Jul-Sep **2015**
17. *Atalayın C, Armagan G, Konyalioglu S, Kemaloglu H, Tezel H, Ergucu Z, Keser A, Dagci T, Önal B. The Protective Effect of Resveratrol against Dentin Bonding Agents-induced Cytotoxicity. Dental Materials Journal 2015, 34(6), : 766-773*
18. Peşkersoy,C., Önal B; Türkün, M.: Comparative Clinical Evaluation of Efficacy of A New Method For Caries Diagnosis And Excavation Journal of Conservative Dentistry 08/01/16, 1-9, **2015**
19. *Türk, G, Sabuncu M, Ulusoy M, Önal B, Ünal S, Recen D: Comparison of the marginal integrity of direct and indirect composite inlay restorations with Optical Cohrence Tomography. Journal of Applied Oral Science 10.1590/1678-775, 383-390, 2016*
20. *Kemaloğlu,H, Atalayın,C, Ergücü,Z, Önal,B: Follow up flowableresin composites performed with a universal adhesive in non-carious cervical lesions: A randomized, controlled 24- month clinical trial. American Journal of Dentistry 2019*