



## Curriculum Vitae

Personal information **Olga Polydorou**

Work experience

---

15/10/2010 – CURRENT – Freiburg, Germany

**SENIOR DENTIST IN THE DEPARTMENT OF OPERATIVE DENTISTRY AND PERIODONTOLOGY – UNIVERSITY MEDICAL**

CENTER FREIBURG, DEPARTMENT OF OPERATIVE DENTISTRY AND PERIODONTOLOGY

- Teaching of students in restorative materials and clinical dentistry.
- Research on the field of dental materials, evaluating their properties and their biocompatibility
- Head of the Section "Restorative and Preventive Dentistry" in the Department of Operative Dentistry and
- Periodontology"
- Leader of the research group: Dental biomaterials and their impact on human health"
- Clinical work as a dentist with main occupation on "Restorative and Preventive Dentistry"

15/01/2005 – 15/10/2010 – Freiburg, Germany

**ASSISTANT PROFESSOR IN THE DEPARTMENT OF OPERATIVE DENTISTRY AND PERIODONTOLOGY – UNIVERSITY**

MEDICAL CENTER FREIBURG, DEPARTMENT OF OPERATIVE DENTISTRY AND PERIODONTOLOGY

- Teaching of students in restorative materials and clinical dentistry.
- Research on the field of dental materials, evaluating their properties and their biocompatibility
- Clinical work as a dentist with main occupation on "Restorative and Preventive Dentistry"

15/01/2006 – 14/01/2007 – Freiburg, Germany

**RESEARCH ASSOCIATE AT THE INSTITUTE FOR ENVIRONMENTAL MEDICINE AND HOSPITAL HYGIENE (50%**

**POSITION) – UNIVERSITY MEDICAL CENTER FREIBURG, INSTITUTE FOR ENVIRONMENTAL MEDICINE AND HOSPITAL HYGIENE**

Research on the release of substance from dental composite materials (analytical methods HPLC/MS/MS)

09/2002 – 14/01/2005 – Freiburg, Germany

**VISITING ASSISTANT PROFESSOR – UNIVERSITY MEDICAL CENTER FREIBURG, DEPARTMENT OF OPERATIVE DENTISTRY AND PERIODONTOLOGY**

- Teaching of students in restorative materials and clinical dentistry.
- Research on the field of dental materials, evaluating their properties and their biocompatibility
- Clinical work as a dentist with main occupation on "Restorative and Preventive Dentistry"

## Education and training

---

2013 – Freiburg, Germany

**TITLE OF (ADJUNKT) PROFESSOR** – University Medical Center Freiburg, Medical Faculty

2010 – Freiburg, Germany

**HABILITATION** – University Medical Center Freiburg, Medical Faculty

2004 – Freiburg, Germany

**RESEARCH DOCTORAL DEGREE (DR. MED. DENT)** – University Medical Center Freiburg, Medical Faculty

2003 – Stuttgart, Germany

**GERMAN LICENSE TO PRACTICE THE PROFESSION OF DENTIST** –  
Regierungspräsidium Stuttgart

2001 – Kifissias Avenue 125, Athens, Greece

**GREEK LICENSE TO PRACTICE THE PROFESSION OF DENTIST** – Department of Health Services, Prefecture of Athens-Central Section, Hellenic Republic

2001 – Athens, Greece

**UNDERGRADUATE STUDIES IN DENTISTRY, DOCTOR OF DENTAL SURGERY DEGREE (DDS)** – National and Kapodistrian University of Athens, Faculty of Dentistry

## Additional information

---

### Publications

**Cytotoxic and inflammatory response of human lung epithelial cells A549 to particles released from dental restorative materials during dry and wet grinding.**  
Jiang Y, et al. *Dent Mater.* 2022 Dec;38(12):1886-1899. doi: 10.1016/j.dental.2022.09.018.

**Response of human gingival keratinocytes to hybrid CAD/CAM material eluates.**  
Jennes ME, et al. *Dent Mater.* 2022 Sep;38(9):1532-1546. doi: 10.1016/j.dental.2022.07.006.

**Cytotoxicity and estrogenicity in simulated dental wastewater after grinding of resin-based materials.**  
Reidelbach C, et al. *Dent Mater.* 2021 Oct;37(10):1486-1497. doi: 10.1016/j.dental.2021.07.003.

**N-Acetylcysteine modulates the effects of composites on human gingival keratinocytes.**  
Siemer K, et al. *Dent Mater.* 2021 Apr;37(4):597-611. doi: 10.1016/j.dental.2021.01.011.

**Detection of Bisphenol A in dental wastewater after grinding of dental resin composites**  
Polydorou et al., *Dent Mater.* 2020;36(8):1009-1018. doi: 10.1016/j.dental.2020.04.025.  
<https://pubmed.ncbi.nlm.nih.gov/32507540/> – 2020

**Prosthodontic Rehabilitation with Fixed Monolithic Translucent Zirconia Restorations: A Case History Report**  
Rabel et al., *Int J Prosthodont.* 2019;32(6):544-548. doi: 10.11607/ijp.6194.  
<https://pubmed.ncbi.nlm.nih.gov/31664273/> – 2019

**Modulation of gingival cell response towards dental composites**  
Jerg et al., *Dent Mater.* 2018;34(3):412-426. doi: 10.1016/j.dental.2017.11.025.  
<https://pubmed.ncbi.nlm.nih.gov/29306486/> – 2018

**The effect of long-term use of tooth bleaching products on the human enamel surface**  
Polydorou et al, *Odontology.* 2018;106(1):64-72. doi: 10.1007/s10266-017-0308-3.

<https://pubmed.ncbi.nlm.nih.gov/28547569/> – 2018

**Effects of low-dose Bisphenol A on calcium ion influx and on genes of proliferation and differentiation in**

**immortalized human gingival cells in vitro: The role of estrogen receptor beta**

Ehrenmann et al., Dent Mater. 2017;33(9):1021-1032. doi: 10.1016/j.dental.2017.06.011.

<https://pubmed.ncbi.nlm.nih.gov/28701262/> – 2017

## Projects

**Memberships** 2018 – CURRENT

**Member of Working Groups of ISO TC 106 Dentistry**

Since 2018 I am member of different working groups of the ISO TC 106 Dentistry, working on different ISO Standards

concerning restorative materials and their biocompatibility

2017 – CURRENT

**Member of the 014 DIN Standards Committee Dental (NADENT), 014-00-20 AA "Biological and clinical materials testing"**

2015 – CURRENT

**Member of the standardization association NA 014 DIN Standards Committee Dental (NADENT), 014-00-02**

**"Polymeric prosthetic materials"**

2014 – CURRENT

**Member of the 014 DIN Standards Committee Dental (NADENT), 014-00-01 AA "Filling materials"**

2014 – CURRENT

**Member of "The Academy of Dental Materials"**

2012 – CURRENT

**Member of the "International Association for Dental Research" (IADR)**

2012 – CURRENT

**Member of the "Working Group for Basic Research" (Arbeitsgemeinschaft für Grundlagenforschung; AfG)**

2006 – CURRENT

**Reviewer for international journals**

Dental Materials, Clinical Oral Investigations, Journal of American Dental Association, Journal of Materials Science,

Materials in Medicine, Odontology, European Journal of Oral Sciences

2004 – CURRENT

**Member of the German Society for Dental, Oral and Maxillofacial Medicine (DGZMK) and the German Society of Conservative Dentistry (DGZ)**

## Other Relevant Information