

## **CURRICULUM VITAE**

**Ayelet Zlotogorski Hurvitz, DMD, PhD**

### **A. EDUCATION**

1993-1994	Faculty of Biology, Tel-Aviv University
1994-2000	School of Dental Medicine, Tel-Aviv University. D.M.D.
2001	D.M.D. Thesis: Histomorphometric Changes in Irradiated Rat Parotid Glands Pre-treated with Pilocarpine. Supervisors: Prof. M. Littner and Prof. M. Vered
2002-2006	Specialty training in Oral Medicine, Department of Oral Pathology and Oral Medicine, School of Dental Medicine, Tel Aviv University
2005	Diploma in Oral Medicine, Faculty of Medicine, Tel-Aviv University
2008	Licensed specialist in Oral Medicine, Ministry of Health, Israel
2021	Doctor of Philosophy, Faculty of Medicine, Tel-Aviv University. Thesis: Salivary exosomes loaded with natural therapeutic agent as a potential treatment modality for oral cancer. Supervisors: Prof. M. Vered and Prof. G. Chaushu

### **C. ACADEMIC AND PROFESSIONAL ACTIVITIES &**

#### **ACHIEVEMENTS**

##### **C1. ACADEMIC EXPERIENCE**

2013-	Director of the course of Oral Medicine for Dental Students, School of Dental Medicine, Tel Aviv University
2013-	Oral examiner of residents in Oral Medicine, Israeli Dental Association, T Aviv
2014	Invited researcher at the Institute of Dentistry, University of Oulu, Oulu, Finland

2016-	Member of the DMD thesis committee, School of Dental Medicine, Tel Aviv University
2017-2020	In charge of the Specialty Program of Oral Medicine, School of Dental Medicine, Tel Aviv University
2019	Teaching the post-graduate course in Clinical Oral Pathology, School of Dental Medicine, Tel Aviv University
2019-	Teaching pre-graduate courses, Sackler Faculty of Medicine, Tel Aviv University
2020-	Member of the committee for the selection of outstanding teachers School of Dental Medicine, Tel Aviv University
2020-	Member of the Committee for the specialty of Oral Pathology of the Israeli Dental Association and Israel Ministry of Health
2020-	Coordinator of the department of Oral Pathology, Oral Medicine and maxillofacial Imaging, School of Dental Medicine, Tel Aviv University
2020	Referee, Grant Applications, Sackler Faculty of Medicine, Tel Aviv University
2021	Teaching in the post-graduate course in Clinical Oral Pathology, School of Dental Medicine, Tel Aviv University
2021	Academic appointment of Lecturer in Oral Medicine, School of Dental Medicine, Tel Aviv University

## **C2. PROFESSIONAL EXPERIENCE**

2001-2004	Dental Practitioner – 29 Beeri, Tel-Aviv
2004-2010	Dental Practitioner – “Binat Ha-Shen”, Kibutz Glil-Yam.
2008-	In charge of the Oral Medicine Clinic, Department of Oral and Maxillofacial Surgery, Rabin Medical Center, Petah – Tikva.
2009-2011	Specialist in Oral Medicine – "Maccabi", Beer-Sheva
2012-2022	Specialist in Oral Medicine – private clinic, 21 De-Vinci, Tel Aviv
2013-	In charge of Oral Medicine Clinic for under and post graduate students, School of Dental Medicine, Tel Aviv University

2014	Oral health and organ transplantation. Seminar for organ transplantation adapters and nurses, on behalf of <i>Novartis</i> , Tel Aviv ( <b>Invited lecture</b> )
2016	Nutraceuticals for the treatment of oral conditions. Meeting of Shila – Clalit Smile Dental Services, Tel Aviv, Israel ( <b>Invited lecture</b> )
2017	Medication-related osteonecrosis of the jaws. Seminar for oncologic nurses, on behalf of <i>MSD</i> , Tel Aviv, Israel ( <b>Invited lecture</b> )
2018	Participation as a dentist and as an oral medicine specialist in a medical delegation on behalf of the Israeli Ministry of Foreign Affairs to Papua New Guinea
2018	Lesions and conditions in the oral cavity in elderly. Meetup on Gerodontology, "Maccabident" Dental Services, Tel Aviv, Israel ( <b>Invited lecture</b> )
2019	Oral management of the solid organ transplant patient. Seminar for organ transplantation department, Rabin Medical Center, Petah Tikva ( <b>Invited lecture</b> )
2019	Lesions and conditions manifested in the oral cavity in elderly. The 2 <sup>nd</sup> National Meeting of "Maccabident", Dental Services, Tel Aviv, Israel ( <b>Invited lecture</b> )
2021	Treasurer, Board of the Israeli Society of Oral Medicine
2021	The Annual Meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel. October 7 <sup>th</sup> -8 <sup>th</sup> , 2021 <b>Head of organizing committee</b>

### C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

2002	Annual meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel. <u>Zlotogorski A</u> , Vered M, Marshak G, Littner M Histomorphometric changes in irradiated rat parotid glands pre-treated with pilocarpine. ( <b>Oral presentation</b> ) Abstract: <i>Journal of Dental Research</i> 82 (special issue C): C-373 (abstract no. 15) 2003
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- 2004 Annual meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Zlotogorski A, Vered M, Marshak G, Littner M  
 A preliminary study for administration of pilocarpine in drinking water and weekly head and neck irradiations – a new rat model.  
**(Poster presentation)**
- 2004 Annual meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Zlotogorski A, Vered M, Marshak G, Littner M  
 Histomorphometric changes in irradiated rat parotid glands pre-treated with pilocarpine.  
**(Poster presentation, Won the best presentation award)**
- 2004 Meeting of the Israeli Society of Dentistry for Children, Jerusalem, Israel.  
Zlotogorski A, Ashkenazi M, Garty B-Z, Gorsky M  
 Oral manifestations of hyper IgE syndrome.  
**(Oral presentation)**
- 2005 Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel.  
Zlotogorski A, Buchner A, Kaffe I, Schwartz-Arad D  
 Radiological features of central haemangioma of the jaws.  
**(Oral presentation)**
- 2012 Annual meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
 Schaiderman-Shapiro A, Zlotogorski A, Dayan D, Vered M  
 Origin of cancer-associated fibroblasts in the tumor microenvironment of mobile tongue cancer.  
**(Poster presentation)**
- 2013 International Academy of Oral Oncology, Rhodes Island, Greece.  
Zlotogorski A, Vered M, Chaushu G, Dayan D  
 Exosomes isolated from saliva of cancer patients differ from those of healthy individuals.  
**(Oral presentation)**
- 2013 The Fifth Annual Meeting of the Israeli Society of Cancer Research, Beer-Sheva, Israel.  
 Vered M, Zlotogorski A, Lamprecht S, Salo T, Dayan D  
 Epigenetic changes in the microenvironment of tongue cancer are significantly associated with poor prognosis.  
**(Poster presentation)**
- 2013 Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel.  
Zlotogorski A, Salo T, Lehtonen M, Dayan D, Vered M  
 Caveolin-1 in tongue cancer is associated with poor prognosis.  
**(Poster presentation)**
- 2013 Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel.  
 Vered M, Zlotogorski A, Lamprecht S, Salo T, Dayan D  
 Global DNA methylation: significant association with poor prognosis in tongue cancer.  
**(Poster presentation)**

- 2013 Annual Meeting of the Israeli Division of the International Association for Dental Research, Tel Aviv, Israel.  
Schaiderman-Shapiro A, Zlotogorski A, Dayan D, Salo T, Vered M  
Do cancer-associated fibroblasts in tongue cancer originate from stem cells?  
**(Poster presentation)**
- 2013 1<sup>st</sup> Cell Death Research Congress, Izmir, Turkey.  
"Nutraceuticals in combat of oral cancer".  
**(Invited plenary lecture)**
- 2013 The Goldschleger Forum for Dental Research of the School of Dental Medicine, Tel Aviv University, Tel Aviv, Israel.  
"Exosomes isolated from saliva of oral cancer patients differ from exosomes of healthy individuals".  
**(Invited lecture)**
- 2014 The American Academy of Oral Medicine, Orlando, Florida, USA.  
Vered M, Zlotogorski-Hurvitz A, Chaushu G, Salo T, Dayan D  
Salivary exosomes: comparison between methods of isolation.  
**(Poster presentation)**
- 2014 The Sixth Annual Meeting of the Israeli Society of Cancer Research, Haifa, Israel.  
Zlotogorski-Hurvitz A, Vered M, Chaushu G, Salo T, Dayan D  
Salivary exosomes in oral cancer patients: characterization and comparison to Hsc-3 tongue cell line media-isolated exosomes.  
**(Poster presentation)**
- 2014 The 23<sup>rd</sup> Biennial Congress of the European Association for Cancer Research, Munich, Germany.  
Zlotogorski-Hurvitz A, Dayan D, Chaushu G, Salo T, Vered M  
Salivary exosomes of oral cancer patients may serve as a diagnostic tool since they differ from those found in the saliva of healthy individuals.  
**(Poster presentation)**
- 2015 Joint Annual Meeting of the American Academy of Oral and Maxillofacial Pathology and the American Academy of Oral Medicine, San Diego, USA.  
Vered M, Schnaiderman-Shapiro A, Salo Tuula, Pasanen A, Väyrynen E, Bello I, Zlotogorski-Hurvitz A, Dayan D  
Factors associated with collagen metabolism in the lymph node pre-metastatic niche in oral cancer.  
**(Poster presentation)**
- 2015 Joint Annual Meeting of the American Academy of Oral and Maxillofacial Pathology and the American Academy of Oral Medicine, San Diego, USA.  
Zlotogorski-Hurvitz A, Dayan D, Chaushu G, Salo T, Vered M  
Salivary exosomes from oral cancer patients differ in size but not in their numbers from those of healthy individuals.  
**(Poster presentation)**
- 2015 Joint Annual Meeting of the American Academy of Oral and Maxillofacial Pathology and the American Academy of Oral Medicine, San Diego, USA.  
Kaplan I, Winocur-Arias O, Zlotogorski-Hurvitz A, Chaushu G, Allon DM  
The profile of hyperplastic candidiasis: a clinico-pathological study.

- (Poster presentation)**
- 2015 The Research Day of the School of Dental Medicine, Tel Aviv University, Tel Aviv, Israel.  
"Salivary nano-particles as a potential modality for diagnosis and treatment of oral cancer".  
**(Invited lecture)**
- 2015 The 7th Annual Meeting of the Israeli Society for Cancer Research, Tel Aviv University, Tel Aviv, Israel.  
Vered M, Zlotogorski-Hurvitz A, Schnaiderman-Shapiro A, Salo T, Dayan D  
The different phenotype of cancer-associated fibroblasts as a cell state in the tumor microenvironment of tongue carcinoma.  
**(Poster presentation)**
- 2015 The Annual Meeting of the Israeli Division of the International Association of Dental Research (IADR), Tel Aviv, Israel.  
Kaplan I, Winocur-Arias O, Zlotogorski-Hurvitz A, Chaushu G, Allon DM  
Hyperplastic candidiasis: a clinico-pathological comparison with leukoplakia.  
**(Poster presentation)**
- 2015 The Annual Meeting of the Israeli Division of the International Association of Dental Research (IADR), Tel Aviv, Israel.  
Pessing A, Shani T, Yarom N, Zlotogorski-Hurvitz A, Kaplan I, Trakhtenbrot L, Hirshberg A  
Aneuploidy – an early event in the malignant transformation process of oral lichen planus. A molecular cytogenetic study.  
**(Poster presentation)**
- 2015 The 7th International Conference on Tumor Microenvironment, Tel Aviv University, Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Dayan D, Chaushu G, Salo T, Vered M  
Oral fluids-derived exosomes from oral cancer patients as delivering vehicles of natural anti-cancer substances to the tumor microenvironment.  
**(Poster presentation)**
- 2015 The Annual meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Zlotogorski-Hurvitz A  
"Use of plant-derived natural products in oral medicine".  
**(Invited lecture)**
- 2016 The 8th Annual Meeting of the Israeli Society for Cancer Research, the Weizmann Institute of Science, Rehovot, Israel.  
Vered M, Schnaiderman-Shapiro A, Zlotogorski-Hurvitz A, Schiby G, Salo T, Dayan D  
Markers for pre-metastatic niche in oral cancer.  
**(Poster presentation)**
- 2016 The 13th Biennial Congress of European Association of Oral Medicine, Turin, Italy.  
Zlotogorski-Hurvitz A, Dayan D, Chaushu G, Salo T, Vered M  
Extracellular Microvesicles confer oral fluids the potential to retain curcumin.  
**(Poster presentation)**

- 2016 The 8th International Association for Dental Research/Pan European Regional Congress (IADR/PER Congress), Jerusalem, Israel.  
Vered M, Dayan D, Chaushu G, Salo T, Zlotogorski-Hurvitz A  
Saliva depends on presence of exosomes for retaining Curcumin.  
**(Poster presentation)**
- 2016 The Annual meeting of the Israel Dental Association, Tel-Aviv, Israel.  
Zlotogorski-Hurvitz A  
Exosomes as a non-invasive tool for the diagnosis of diseases  
**(Oral presentation)**
- 2016 The International Conference of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Shkolnik I, Ratson T, Zlotogorski-Hurvitz A, Peretz B, Vered M  
Lacrimo-Auriculo-Dento-Digital Syndrome: a possible cause for childhood hyposalivation.  
**(Poster presentation)**
- 2016 The International Conference of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Georgy I, Vered M  
Expression of tetraspanins in oral lichen planus: in-between normal to dysplasia and carcinoma.  
**(Poster presentation)**
- 2016 The International Conference of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Vered M, Schnaiderman-Shapiro A, Zlotogorski-Hurvitz A, Salo T, Dayan D  
"Cell state" of cancer-associated fibroblasts in the tumor microenvironment of tongue carcinoma.  
**(Poster presentation)**
- 2017 The 12th Sackler Faculty of Medicine Research Day, Tel Aviv University, Israel.  
Vered M, Graizel D, Zlotogorski-Hurvitz A, Rosen E, Tsisis I  
The prognostic significance of cancer-associated fibroblasts in oral cancer: a systematic review of the literature and meta-analysis.  
**(Poster presentation)**
- 2017 The Annual Meeting of the Israeli Division of the International Association of Dental Research (IADR), Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Dayan D, Chaushu G, Salo T, Vered M  
The key role of salivary exosomes in the accessibility of curcumin to oral cancer cells.  
**(Oral presentation)**
- 2017 The Annual Meeting of the Israeli Division of the International Association of Dental Research (IADR), Tel Aviv, Israel.  
Vered M, Schnaiderman-Shapiro A, Schiby G, Zlotogorski-Hurvitz A, Yahalom R  
Markers of the pre-metastatic niche in metastasis-free cervical lymph nodes of patients with oral cancer.  
**(Poster presentation)**

- 2017 The Annual Meeting of the Israeli Division of the International Association of Dental Research (IADR), Tel Aviv, Israel.  
Georgy I, Zlotogorski-Hurvitz A, Katz L, Grinstein Koren O, Reiter S, Vered M  
Tetraspanins as potential diagnostic markers in different oral epithelial lesions.  
**(Poster presentation)**
- 2017 The joint conference of the Israeli association of oral rehabilitation and the Israeli association of oral medicine, Tel Aviv, Israel.  
Vered M, Graizel D, Zlotogorski-Hurvitz A, Rosen E, Tsesis I  
Cancer associated fibroblasts in oral cancer: systematic review of the literature and meta- analysis.  
**(Poster presentation)**
- 2017 The joint conference of the Israeli association of oral rehabilitation and the Israeli association of oral medicine, Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Vered M  
Bilateral neck swelling after administration of iodinated contrast media.  
**(Poster presentation)**
- 2018 2nd Comprehensive Fanconi Anemia Conference, Petah-Tikva, Israel.  
Zlotogorski-Hurvitz A  
Dental surveillance in Fanconi Anemia.  
**(Invited lecture)**
- 2018 The 25th Biennial Congress of the European Association for Cancer Research, Amsterdam, Holland.  
Zlotogorski-Hurvitz A, Dekel BZ, Malonek D, Yahalom R, Vered M  
Salivary extracellular vesicles from oral cancer patients: exclusive signature of the infrared spectrum.  
**(Poster presentation)**  
ESMO Open Jul 2018, 3 (Suppl 2) A258; DOI: 10.1136/esmoopen-2018-EACR25.610
- 2018 The American Academy of Oral and Maxillofacial Pathology (AAOMP) / The International Association of Oral Pathologists (IAOP) Joint Meeting, Vancouver, Canada.  
Vered M, Georgy I, Amer S, Buchner A, Zlotogorski-Hurvitz  
Down-expression of tetraspanin CD9 is a sensitive marker for identifying pre-malignant changes in the oral epithelium.  
**(Poster presentation)**
- 2018 The 14th Biennial Congress of European Association of Oral Medicine, Gothenburg, Sweden.  
Zlotogorski-Hurvitz A, Zadik Y, Gillman L, Platner O, Shani T, Goldman Y, Chaushu G, Kaplan I, Vered M  
The enigmatic nature of palatal erythematous lesions with histological psoriasiform pattern.  
**(Poster presentation)**
- 2018 The 14th Biennial Congress of European Association of Oral Medicine, Gothenburg, Sweden.  
Raz E, Vered M, Kashkush H, Nama N, Brauner T, Littner D, Reiter S, Zlotogorski-Hurvitz A



- Idiopathic oral ulceration with bone sequestration – a rare entity.  
**(Poster presentation)**
- 2018 The 14th Biennial Congress of European Association of Oral Medicine, Gothenburg, Sweden.  
Pessing Shabo A, Vered M, Zlotogorski-Hurvitz A  
The equivocal diagnosis of oral lichenoid lesions appearing after rituximab administration.  
**(Poster presentation)**
- 2018 The 14th Biennial Congress of European Association of Oral Medicine, Gothenburg, Sweden.  
Nama N, Vered M, Grinstein Koren O, Katz L, Zlotogorski-Hurvitz A  
Steroid-based inhalers are remarkably associated with occurrence of oral hairy leukoplakia in HIV-negative patients.  
**(Poster presentation)**
- 2018 The EACR-AACR-ISCR Conference: The Cutting Edge of Contemporary Cancer Research, Jerusalem, Israel.  
Zlotogorski-Hurvitz A, Dekel BZ, Malonek D, Yahalom R, Vered M  
Infrared spectrum signature of salivary extracellular vesicles from oral cancer patients – a new potential diagnostic tool.  
**(Poster presentation)**
- 2018 The International Conference of Israel Society of the Oral Medicine in collaboration with the Multinational Association of Supportive Care in Cancer and the International Society of Oral Oncology (MASCC/ISOO), Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Georgy I, Amer S, Vered M  
Tetraspanin CD9 is a sensitive marker for identifying dysplastic changes in the oral epithelium.  
**(Poster presentation)**
- 2018 The International Conference of Israel Society of the Oral Medicine in collaboration with the Multinational Association of Supportive Care in Cancer and the International Society of Oral Oncology (MASCC/ISOO), Tel Aviv, Israel.  
Reiter S, Manor Y, Zlotogorski-Hurvitz A, Katz L, Yarom N  
Imaging Misinterpretation in oncologic patients with orofacial complaints: clinical- radiological correlation. A case series.  
**(Poster presentation)**
- 2018 The International Conference of Israel Society of the Oral Medicine in collaboration with the Multinational Association of Supportive Care in Cancer and the International Society of Oral Oncology (MASCC/ISOO), Tel Aviv, Israel.  
Katz L, Zlotogorski-Hurvitz A, Vered M  
A preliminary study on the influence of authority on decision-making in the diagnosis process in maxillofacial radiology.  
**(Poster presentation)**
- 2019 The Annual Meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Grinstein-Koren O, Zlotogorski-Hurvitz A, Zelig-Amira K, Kashkush H,

- Altman M, Bellaiche Y, Abdalla W, Vered M  
The influence of cognitive state and physical abilities on oral health and oral health-related quality of life among Israeli elderly people.  
**(Poster presentation)**
- 2019 The Annual Meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.  
Zlotogorski-Hurvitz A, Grinstein-Koren O, Kashkush H, Zelig-Amira K, Abdalla W, Bellaiche Y, Altman M, Vered M  
Socioeconomic disparities: associations with oral health status and oral health-related quality of life among Israeli community-dwelling elderly people.  
**(Poster presentation. Won the best presentation award)**
- 2020 International Association of Oral & Maxillofacial Pathologists, London, UK.  
Zlotogorski-Hurvitz A, Vered M, Dobriyan A, Yahalom R, Kaplan I  
From a non-specific inflammatory-like gingival lesion to a rapidly progressing oral squamous cell carcinoma: a case of deceptive presentation of oral cancer.  
**(Accepted for poster presentation, eventually conference has been cancelled)**
- 2021 The American Academy of Oral Medicine 2021 Virtual Annual Conference Oral Medicine: The New Era. April 15th-17th, 2021.  
Zlotogorski Hurvitz A, Vered M, Dobriyan A, Yahalom R, Kaplan I  
From a non-specific inflammatory-like gingival lesion to a rapidly progressing oral squamous cell carcinoma: a case of deceptive presentation of oral cancer.  
**(Poster presentation)**
- 2021 The Online Meeting of the International Association of Oral and Maxillofacial Pathologists (IAOP) and the British Society for Oral and Maxillofacial Pathology (BSOMP). June 21th-25th, 2021.  
Zlotogorski-Hurvitz A, Vered M, Dobriyan A, Yahalom R, Kaplan I  
From a non-specific inflammatory-like gingival lesion to a rapidly progressing oral squamous cell carcinoma: a case of deceptive presentation of oral cancer.  
**(Poster presentation)**
- 2021 The Israeli Division of the IADR. Jerusalem, Israel. June 25th, 2021.  
Zlotogorski-Hurvitz A, Chaushu G, Vered M  
The effect of curcumin-loaded salivary exosomes on oral cancer cells.  
**(Poster presentation)**
- 2021 The Israeli Division of the IADR. Jerusalem, Israel. June 25th, 2021.  
Erel L, Zlotogorski-Hurvitz A, Kaplan I  
The rate of malignant transformation of oral potentially malignant disorders – a single center study.  
**(Poster presentation)**
- 2021 EAOM 2021 E-Congress:15th Biennial Congress European Association of Oral Medicine. September 24th-25th, 2021.  
Zlotogorski-Hurvitz A, Grinstein-Koren O, Amira K, Kashkush H, Abdalla W, Altman M, Bellaiche Y, Vered M  
The prevalence of oral mucosal lesions among Israeli elderly population of different socioeconomic status.  
**(Poster presentation)**

- 2021 | EAOM 2021 E-Congress: 15th Biennial Congress European Association of Oral Medicine. September 24th-25th, 2021.  
Grinstein-Koren O, Zlotogorski-Hurvitz A, Zelig-Amira K, Kashkush, Bellaiche Y, Altman M, Abdalla W, Vered M  
The influence of cognitive state and physical abilities on dental status among Israeli community-dwelling elderly people.  
**(Poster presentation)**
- 2021 | The Annual Meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel. October 7th-8th, 2021.  
Zlotogorski-Hurvitz A, Erel L, Vered M, Grinstein-Koren O, Winocur-Arias O, Kaplan I  
Israeli-population based data on malignant transformation rate of oral potentially malignant disorders.  
**(Poster presentation)**
- 2022 | The Research Day of the School of Dental Medicine, Tel Aviv University, Tel Aviv.  
Oral cancer: how salivary nano-particles can help to diagnose this disease.  
**(Invited lecture)**

#### C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 2001- IDA - Israeli Dental Association
- 2002- The Israeli Society of Oral Medicine
- 2012- The European Association of Oral Medicine
- 2013-2021 The Israeli Society of Cancer Research
- 2014-2021 The European Association for Cancer Research
- 2018- The International Association for Dental Research

#### D. DOCTORAL STUDENTS MENTORED BY CANDIDATE

- 2014-2017 | Student: Daniela Griezel, Tel Aviv University  
Co-Supervisor: Prof. Marilena Vered  
Thesis: The clinico-pathological and prognostic significance of cancer associated fibroblasts in oral cancer: A review of the literature.  
**The thesis received the Dr. Daniel Sarnat Award for distinguished D.M.D. thesis, May 2016**
- 2015-2017 | Student: Ido Georgy, Tel Aviv University  
Co-Supervisor: Prof. Marilena Vered  
Thesis: The immunohistochemical expression of exosomal markers oral lichen planus.  
**The thesis received the Dr. Daniel Sarnat Award for distinguished D.M.D. thesis, May 2018**

2016-2019	Student: Sara Amer, Tel Aviv University Co-Supervisor: Prof. Marilena Vered Thesis: The immunohistochemical expression of exosomal markers in oral premalignant lesions.
2017-2021	Student: Yair Zinger, Tel Aviv University Co-Supervisor: Prof. Marilena Vered Thesis: The demographic, clinical and radiological changes expected in the ameloblastoma group of tumors following the classification of unicystic ameloblastoma, mural type, as part of the solid/multicystic ameloblastoma.
2017-2020	Student: Waffa Abdalla, Tel Aviv University Co-Supervisor: Prof. Marilena Vered Thesis: The impact of socio-economic status on the prevalence of oral mucosal lesions among elderly population who reside in elderly / sheltering housing.
2019-2021	Student: Leandro Erel, Tel Aviv University Co-Supervisor: Prof. Ilana Kaplan Thesis: Investigation of the rate of malignant transformation in lesions of potentially malignant disorders of oral mucosa. <b><u>The thesis received the Dr. Daniel Sarnat award for distinguished D.M.D. thesis, May 2022</u></b>
2020-	Student: Ilatov Ron, Tel Aviv University Co-Supervisor: Prof. Marilena Vered Thesis: The immunohistochemical expression of proteins involved in the infection of SARS-CoV2 in different oral pathological lesions.
2020-	Student: Guetta Emma, Tel Aviv University Co-Supervisor: Dr. Sigalit Blumer Thesis: The effectiveness of the available techniques of disinfection and sterilization in dentistry related to SARS-CoV-2 based on a review of the literature.
2021-	Student: Mariel Gurtin, Tel Aviv University Co-Supervisor: Prof. Marilena Vered Thesis: The correlation between clinical diagnosis and histopathological diagnosis of Oral Lichen Planus.
2021-	Student: Taubin Doron, Tel Aviv University Co-Supervisor: Prof. Ilana Kaplan Thesis: Characterization of benign hyperplastic oral lesions presenting with koilocytosis.
2021-	Student: Hanufa Matan, Tel Aviv University Co-Supervisor: Dr. Gal Avishai Thesis: The clinico-pathological correlation of irritation fibroma in the oral mucosa.

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| 2021- | Student: Groner Uriel, Tel Aviv University<br>Co-Supervisor: Prof. Meir Gorski<br>Thesis: Oral and maxillofacial findings associated with the Covid 19 pandemic – Literature review. |
| 2021- | Student: Chen Iskevitch, Tel Aviv University<br>Co-Supervisor: Prof. Marilena Vered, Dr. Einav Raz<br>Thesis: Systematic review of oral lichen planus in children.                   |

## SUPERVISION OF BASIC SCIENCE PROJECTS OF POST GRADUATE STUDENTS

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| 2016-2017 | Dr. Noa Barer<br>Co-Supervisor: Prof. Marilena Vered<br>The correlation between the clinical presentation and the histopathology findings in cases that were clinically diagnosed as oral lichen planus.   |
| 2017      | Dr. Andrey Fynkelstein<br>Co-Supervisor: Prof. Marilena Vered<br>The expression of senescence markers in oral lichen planus.   |
| 2019-     | Dr. Hanan Kashkush<br>Co-Supervisor: Prof. Marilena Vered<br>The impact of socio-economic status and cognitive state on the prevalence of oral mucosal lesions among elderly population who live in the community or in sheltered houses.                                      |
| 2020-     | Dr. Naama Najwa<br>Co-Supervisor: Prof. Marilena Vered and Prof. Ilana Kaplan<br>The association between hyposalivation and socio-economic class, general health, cognitive state and dental status among Israeli elderly population who reside in elderly/sheltering housing. |

## G. ACADEMIC AND PROFESSIONAL AWARDS

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| 2004 | <b><u>“Sarnat Reward” for Excellent D.M.D. Thesis.</u></b><br><br>The Maurice and Gabriela Goldschleger Research Forum, School of Dental Medicine, Tel-Aviv University. |
| 2004 | <b><u>Best presentation award in The Annual Meeting of the Israeli Association of Oral Medicine, Tel Aviv, Israel.</u></b>  |

	Histomorphometric changes in irradiated rat parotid glands pre-treated with pilocarpine.
2004	<u>International Association for Dental Research - Israeli Division Grant for Research, Istanbul, Turkey (1000 NIS).</u> Oral manifestations of hyper-IgE syndrome.
2013	<u>Tel-Aviv University Cancer Biology Research Center – Grant for Research, Rhodes Island, Greece (380 €).</u> Exosomes isolated from saliva of cancer patients differ from those of healthy individuals.
2015	<b><u>Reward for Excellency in PhD studies.</u></b>  The Maurice and Gabriela Goldschleger Research Forum, School of Dental Medicine, Tel-Aviv University (2000 NIS).
2016	<u>The Lefcoe Fund for Dental Research, Tel Aviv University (6,500 NIS).</u> (co- investigator Prof. Vered M, Dept. of Oral Pathology) The expression of exosomal markers in white, red and ulcerative lesions in the oral cavity.
2016	<u>The Ernest and Tova Turnheim Clinical Research Fund in Dentistry (4,400 NIS).</u> (co- investigator Prof. Vered M, Dept. of Oral Pathology) Salivary exosomes as vehicles for curcumin – an antineoplastic nutraceutical.
2019	<b><u>Rector's Awards for Excellence in Teaching</u></b>
2020	<u>The Dave and Sarah Babish Research Fund in Oral Pathology and Oral Medicine (4,248 NIS).</u> (co- investigator Dr. Osnat Koren, Dept. of Oral Medicine) The association between social economic status, physical ability, general health and cognitive state and dental and oral health among Israeli elderly people.

## **SCIENTIFIC PUBLICATIONS**

### **B1. ORIGINAL ARTICLES**

#### **Articles Published**

- 1 **Zlotogorski A**, Buchner A, Kaffe I, Schwartz-Arad D.  
Radiological features of central haemangioma of the jaws.  
*Dentomaxillofac Radiol* 2005; 34:292-6.

- (Times cited: 19, 2019: IF 1.796, Dentistry - Q3, Radiology – Q3)
- 2 **Zlotogorski-Hurvitz A**, Dayan D, Chaushu G, Korvala J, Salo T, Sormunen R, Vered M.  
Human saliva-derived exosomes: comparing methods of isolation.  
*J Histochem Cytochem* 2015; 63:181-9. doi:10.1369/0022155414564219  
(Times cited: 57, 2019: IF 2.187, Cell Biology – Q4)
  - 3 Vered M, Lehtonen M, Hotakainen L, Pirilä E, Teppo S, Nyberg P, Sormunen R, **Zlotogorski-Hurvitz A**, Salo T, Dayan D.  
Caveolin-1 accumulation in the tongue cancer tumor microenvironment significantly associated with poor prognosis: an *in-vivo* and *in-vitro* study.  
*BMC Cancer* 2015; 15:25. doi:10.1186/s12885-015-1030-6.  
(Times cited: 25, 2019: IF 3.15, Oncology - Q3)
  - 4 **Zlotogorski-Hurvitz A**, Dayan D, Chaushu G, Salo T, Vered M.  
Morphological and molecular features of oral fluids-derived exosomes: oral cancer patients versus healthy individuals.  
*J Cancer Res Clin Oncol* 2016; 142:101-10. doi:10.1007/s00432-015-2005-3.  
(Times cited: 33, 2019: IF 3.656, Oncology - Q2)
  - 5 Hoornstra D, Vesterlin J, Pärnänen P, Al-Samadi A, **Zlotogorski-Hurvitz A**, Vered M, Salo T.  
Fermented lingonberry juice inhibits oral tongue squamous cell carcinoma invasion *in vitro* similarly to curcumin.  
*In Vivo* 2018; 32:1089-95. doi:10.21873/invivo.11350.  
(Times cited: 4, 2019: IF 1.541, Medicine – Q4)
  - 6 **Zlotogorski-Hurvitz A**, Dekel BZ, Malonek D, Yahalom R, Vered M.  
FTIR-based spectrum of salivary exosomes coupled with computational-aided discriminating analysis in the diagnosis of oral cancer.  
*J Cancer Res Clin Oncol* 2019; 145:685-94. doi:10.1007/s00432-018-02827-6.  
(Times cited: 13, 2019: IF 3.656, Oncology - Q2)
  - 7 Kats L, Vered M, **Zlotogorski-Hurvitz A**, Harpaz I.  
Atherosclerotic carotid plaque on panoramic radiographs: neural network detection.  
*Int J Comput Dent* 2019; 22:163-9.  
(Times cited: 1, 2018: IF 1.714, Dentistry- Q3)
  - 8 Vered M, Shnaiderman-Shapiro A, **Zlotogorski-Hurvitz A**, Salo T, Yahalom R.  
Cancer-associated fibroblasts in the tumor microenvironment of tongue carcinoma is a heterogeneous cell population.  
*Acta Histochemica* 2019; 121:151446. doi: 10.1016/j.acthis.2019.151446.  
(Times cited: 1, 2019: IF 2.107, Cell Biology – Q4)
  - 9 Vered M, Shnaiderman-Shapiro A, Schiby G, **Zlotogorski-Hurvitz A**, Salo T, Yahalom R.  
Markers of the pre-metastatic niche "knock on the door" of metastasis-free cervical lymph nodes in patients with oral cancer.

- Acta Histochemica* 2019; 121:151447. doi: 10.1016/j.acthis.2019.151447.  
(Times cited: 0, 2019: IF 2.107, Cell Biology – Q4)
- 10 **Graizel D, Zlotogorski-Hurvitz A**, Tsesis I, Rosen E, Kedem R, Vered M.  
Oral cancer-associated fibroblasts predict poor survival: systematic review and meta-analysis.  
*Oral Dis* 2020; 26: 733-44. doi: 10.1111/odi.13140.  
(Times cited: 0, 2019: IF 2.613, Dentistry - Q1)
  - 11 Chacham M, Almoznino G, **Zlotogorski-Hurvitz A**, Buchner A, Vered M  
Expression of stem cell markers in stroma of odontogenic cysts and tumors.  
*J Oral Pathol Med.* 2020;49:1068-1077. doi: 10.1111/jop.13102.
  - 12 **Zlotogorski-Hurvitz A**, Soluk Tekkeşin M, Passador-Santos F, Martins Montalli VA, Salo T, Mauramo M, Kats L, Buchner A, Vered M  
Conceptual changes in ameloblastoma: Suggested re-classification of a "veteran" tumor.  
*Oral Dis.* 2021 Jan 6. doi: 10.1111/odi.13770.
  - 13 Abofoul S, **Hurvitz Zlotogorski A**, Grienstein OK, Shuster A, Vered M, Edel J, Kaplan I  
Peripheral giant cell granuloma associated with dental implants: Case-series.  
*Clin Implant Dent Relat Res.* 2022 Jan 4. doi: 10.1111/cid.13063. Online ahead of print.
  - 14 Avishai G, Muchnik D, Masri D, **Zlotogorski-Hurvitz A**, Chaushu L.  
Minimizing MRONJ after tooth extraction in cancer patients receiving bone-modifying agents.  
*J Clin Med.* 2022; 11:1807. doi.org/10.3390/jcm11071807
  - 15 Alkan U, Bachar G, Nachalon Y, **Zlotogorski A**, Levin EG, Kaplan I.  
Proliferative verrucous leukoplakia: a clinicopathological comparative study. *Int J Oral Maxillofac Surg.* 2022 Jan 19;S0901-5027(22)00004-2. doi: 10.1016/j.ijom.2022.01.002. Online ahead of print.

## B.2. CASE REPORTS

### Case Reports Articles Published

**Zlotogorski Hurvitz A**, Zadik Y, Gillman L, Platner O, **Shani T**, **Goldman Y**, Chaushu G, Kaplan I, Barzilai A, Astman N, Reiter S, Vered M  
Palatal erythema with histological psoriasiform pattern: an enigmatic oral finding shared by a range of conditions.  
*Head Neck Pathol.* 2020 Jan 27. doi: 10.1007/s12105-020-01127-1. [Online ahead of print]

## B.3. REVIEW ARTICLES



## Review Articles Published

- 1 **Zlotogorski A**, Dayan A, Dayan D, Chaushu G, Salo T, Vered M.  
Nutraceuticals as new treatment approaches for oral cancer - I: Curcumin.  
*Oral Oncol* 2013; 49:187-91. doi:10.1016/j.oraloncology.2012.09.015.  
(Times cited: 42, 2019: IF 3.979, Dentistry - Q1, Oncology – Q2)
- 2 **Zlotogorski A**, Dayan A, Dayan D, Chaushu G, Salo T, Vered M.  
Nutraceuticals as new treatment approaches for oral cancer: II. Green tea  
extracts and resveratrol.  
*Oral Oncol* 2013; 49: 502-6. doi:10.1016/j.oraloncology.2013.02.011.  
(Times cited: 22, 2019: IF 3.979, Dentistry - Q1, Oncology – Q2)
- 3 Salo T, Vered M, Bello IO, Nyberg P, Bitu CC, **Zlotogorski Hurvitz A**, Dayan  
D.  
Insights into the role of components of the tumor microenvironment in oral  
carcinoma call for new therapeutic approaches.  
*Exp Cell Res* 2014;15;325:58-64. doi:10.1016/j.yexcr.2013.12.029.  
(Times cited: 27, 2019: IF 3.383, Oncology - Q2, Cell Biology – Q3)

## C. CHAPTERS IN BOOKS

Dayan D, **Zlotogorski-Hurvitz A**, Dayan A, Salo T, Vered M.  
Curcumin as a potential new therapeutic approach against oral cancer.  
In: Curcumin: synthesis, emerging role in pain management and health  
implications.  
Pouliquen DL (ed.) Nova Science pp. 471-87.

## G. OTHER PUBLICATIONS

1. **Zlotogorski Hurvitz A**, Littner M.  
Potential risks, adverse effects and drug interactions associated with herbal  
medicine in dental patients.  
*Refuat Hapeh Vehashinayim* (1993) 2004; 21:25-41, 97.
2. **Zlotogorski A**, Dayan A, Dayan D, Chaushu G, Salo T, Vered M.  
Nutraceuticals in the combat against oral cancer.  
*Refuat Hapeh Vehashinayim* (1993) 2014; 31:8-11.
3. Vered M, **Zlotogorski-Hurvitz A**.  
Biopsy from the oral cavity: Why, when, how and especially what not.  
*Refuat Hapeh Vehashinayim* (1993) 2016; 33:17-22, 79.
4. Vered M, **Zlotogorski-Hurvitz A**.  
Manifestation of zoster in the oral cavity.  
*Refuat Hapeh Vehashinayim* (1993) 2016; 33:28-31, 62.
5. Barer N, **Zlotogorski-Hurvitz A**.

Foreign material in the gingival tissues admixed with a clinical picture of mucous membrane pemphigoid: a coincidence or inter-related conditions?  
*Refuat Hapeh Vehashinayim (1993) 2017.*

6. Fynkelstein A, Kaplan I, Zlotogorski-Hurvitz A.  
Symmetrical white/red lesions in the oral buccal mucosa - diagnosis, thoughts and risks.  
*Refuat Hapeh Vehashinayim (1993) 2017.*
7. Shmuli T, Chaushu G, Zlotogorski-Hurvitz A.  
Rare and acute oral manifestation of drug induced neutropenia.  
*Refuat Hapeh Vehashinayim (1993) 2018; 35:29-34, 53.*

## **H. MEMBER OF EDITORIAL BOARD/ REVIEWER**

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