

Leonidas Batas DDS, M.Sc., PhD.



Date of Birth: 30-4-1976

Place of Birth: Michigan, Ann Arbor, USA

Citizenship: Greece -USA

Contact Address: Department of Preventive Dentistry, Periodontology and Implant Biology, Dental School, Aristotle University of Thessaloniki, Greece, 54124

e- mail: batas@dent.auth.gr

POSITION TITLE :

Assistant Professor, Department of Preventive Dentistry, Periodontology and Implant Biology, Dental School, Aristotle University of Thessaloniki, Greece

EDUCATION/TRAINING :

2000: Dental School of Aristotle University of Thessaloniki, Greece.

2002-2005: Certificate in Advanced Clinical Training in Periodontology and Implant Dentistry, University of Minnesota Division of Periodontology Department of Developmental and Surgical Sciences Minneapolis USA

2002-2005: Master of Science in Oral Biology University of Minnesota Graduate School Dental School Minneapolis USA

2016: Ph.D, Department of Preventive Dentistry, Periodontology and Implant Biology, Dental School, Aristotle University of Thessaloniki, Greece

POSITIONS AND EMPLOYMENT:

2007-2022: Scientific associate in the postgraduate program at the department of Preventive Dentistry, Periodontology and Implant Biology, Aristotle University of Thessaloniki, Greece

2019 -2022: Academic Fellow, at the Dental School of the Aristotle University of Thessaloniki, Greece

2022: Post-Doctoral researcher, "RESEARCH-CREATE-INNOVATE" (ESPA 2014-2020)

COURSES, TRAINING AND SUPERVISING ACTIVITIES PROVIDED AT STUDENTS:

- Theoretical and Clinical training in Periodontology of under-graduate students (5th - 10th semesters).
- Theoretical and Clinical training in Periodontology and Implant Biology, of post-graduate students (1st-6th semesters).

SKILLS AND RESEARCH INTERESTS:

The research interest is focused on experimental study in laboratory animals in the field of periodontitis of hard and soft tissue regeneration and the use of autologous growth factors.

- Developed a murine model of periodontal bone loss. (04/2002 - 06/2005)
- Developed a canine model to evaluate growth factors in bone regeneration and implant osseointegration. (2008 - 2016)
- Developed the Double Layer Technique to Enhance Bone Formation in Atrophic Alveolar Ridge: (2014 - 2020)

ADMINISTRATIVE POSITIONS OUTSIDE THE ARISTOTLE UNIVERSITY OF THESSALONIKI :

- Board of directors of the Hellenic Society of Periodontology and implant dentistry (03/2019 - Present)
- Deputy Scientific Publisher of the Journal of the Hellenic Society of Periodontology and implant dentistry (2019 - Present)
- Secretary General of the Board of directors of the Hellenic Society of Hellenic Society of Periodontology and implant dentistry(2021-present)

SCHOLARSHIPS AND AWARDS

- Scholar of the Foundation of State Scholarships (I.K.Y) for conducting postgraduate studies abroad in the field of Periodontics (2002 - 2005)
- Research entitled "TLR-4 Pathway in a Murine Model of Periodontal Bone Loss" competed for the Orbans award at AAP 2005.

MEMBER OF SCIENTIFIC SOCIETIES AND ASSOCIATIONS:

1. Academy of Osseointegration.
2. American Academy of Periodontology.
3. Hellenic Society of Periodontology and implant dentistry
4. European Federation of Periodontology
5. University of Minnesota Alumni School of Dentistry.
6. International College of Dentist.

SCIENTIFIC PUBLICATIONS AND ABSTRACTS :

Scientific publications Abstracts in peer-reviewed International and National Journals
Publications:

1. Effects of Toll-like receptor 4 on Porphyromonas gingivalis-induced bone loss in mice. J Periodontal Res. 2009 Aug;44(4):537-42. Epub 2008 Aug 24 Costalonga M, Batas L, Reich BJ.
2. Tongue piercing and distraction of the lingual wall. Case reports and treatment Stoma 2010; 38:271-280. Batas L"
3. Evaluation of autogenous PRGF+ β -TCP with or without a collagen membrane on bone formation and implant osseointegration in large size bone defects. A preclinical in vivo study." Clin Oral Implants Res. 2016. Batas L, Andreas Stavropoulos, Serafim Papadimitriou, Jens R. Nyengaard⁵ & Antonios Konstantinidis
4. Treatment of Oral Piercing Complications in Periodontal Tissues with the use of Enamel Matrix. Batas L and Lazaros Tsalikis 16, 2018 Biomedical Journal of Scientific & Technical Research (BJSTR)
5. PRGF as adjunct to DBB in maxillary sinus floor augmentation. Histological results of a pilot splitmouth study. Batas, L., Tsalikis L., Stavropoulos A. International Journal of implant dentistry (2019) 5 :14
6. Evaluation of a Double Layer Technique to Enhance Bone Formation in Atrophic Alveolar Ridge: Histologic Results of a Pilot Study. Batas L, Anagnostou E, Vouros I. J Oral Maxillofac Surg . 2020 Dec;78(12):2195-2207.
7. The use of lasers in peri-implant disease treatment and their efficacy in inflammation reduction: a narrative review MK Louvrou, I Fragkioudakis, L **Batas** - Lasers in Dental Science, 2022 - Springer
8. The role of rhFGF-2 in periodontal defect bone fill: A systematic review of the literature. Pouliou MM, Fragkioudakis I, Doufexi AE, **Batas L.** J Periodontal Res. 2023 Aug;58(4):733-744.

Abstracts :

- 1) **Batas L**, Hodges J and Costalonga "TLR-4 pathway in a murine periodontitis model." J. Dent. Res. 2005 Vol. 84 Special Issue A. Abstract # 1130.
- 2) **Batas L**, Stavropoulos A, Papadimitriou S., Nyengaard R. J, Antonios Konstantinidis "Evaluation of PRGF to enhance bone formation and implant osseointegration". 299 European Academy of Osseo integration Athens 2011 Clinical Oral Implants Research Volume 22, Issue 9, pages 882–1104, September 2011
- 3) **Batas, L.**, Koumpias, S, Kostantinidis, A. , Stavropoulos, A. "Histological evaluation of PRGF as adjunct to DBB in maxillary sinus floor augmentation. Preliminary results of a split-mouth study". 394 European Academy of Osseo integration Dublin Ireland 2013 Clinical Oral Implants Research Volume 24, Issue Supplement s9, pages 191–217, October 2013
- 4) **Batas L.**, Zempila,M, Iskas,A, Tsachouridou,I Vouros, I. "Evaluation of a double layer technique (D.L.T.) to enhance bone formation in atrophic maxillary alveolar ridges" International Osteology Symposium April 2016 Monaco.

- 5) **Batas, L., Zempila, M., Iskas, A., Tsachouridou, I., Tsalikis, L.** "Socket preservation using Geistlich Bio-Oss Collagen covered by Geistlich Mucograft Seal or free gingival soft tissue graft. Clinical and radiographical evaluation: Clinical Oral Implants Research E.A.O Paris 2016 EAO Online Library.. Sep 29, 2016; 164658
- 6) Zempila M., Doufexi A.E., **Batas L.**, Konstantinidis A "The role of bone graft material in bone resorption after immediate implant placement". Clinical Oral Implants Research E.A.O Paris 2016.
- 7) Mataftsi, M, Tsiraki, M, Tsachouridou, I, **Batas, L**, Vouros, I. "Hard and soft tissue techniques for successful implant placement in the deficient anterior maxilla. A case series and literature review". 2nd International Symposium-zmk Bern 2016.
- 8) Zempila M., Nalmpantis D, Doufexi A, **Batas L.** "Split-crest technique: review of the literature and case series". Clinical Oral Implants Research E.A.O 2017 Madrid Volume 28, Issue S14 October 2017 Page 498 .
- 9) Tsachouridou I, Bousnaki M, **Batas L**, Vouros I, Michalakis K. "Interdisciplinary treatment of severe bone deficiency in the aesthetic area using implant supported restoration with pink-colored porcelain". Clin Oral Implants Res 2017;28(S14)
- 10) **Batas L.**, Violesti A., Malamoudi G., Tsalikis L. "Treatment of oral piercing complications in periodontal tissues with the use of enamel matrix derivative (EMD)". PC179 EuroPerio9 June 20-23, 2018 in Amsterdam.
- 11) Anoixiadou S, **Batas L.** "Clinical and radiographic evaluation of Bio-Oss collagen as grafting material in indirect maxillary sinus floor augmentation" EAO Sept 2019 Portugal
- 12) **Batas L.**, Vagdouti T. , Xanthopoulou V. "Use of porcine acellular dermal matrix (NovoMatrix™) for hard and soft tissue augmentation". EuroPerio10 June 15-18 2022
- 13) **Batas L.**, Gnigou Maria, Tseleki G." Indirect maxillary sinus floor elevation with Densah® Burs in combination with Bio-Oss® Collagen: A case series". EuroPerio10 June 15-18 2022