



**OANA-ELENA
BURLACU-
VĂTĂMANU**

EXPERIENȚĂ PROFESIONALĂ

Medic dentist

Practică privată – Sept 2021 – Prezent

ISTORIC EDUCAȚIONAL

Student doctorand

Universitatea de Medicină și Farmacie "Carol Davila"

01/10/2022 – Prezent București, Romania

Medic specialist-stomatologie generală

Spitalul clinic de urgență "Sf. Pantelimon"

01/01/2022 – 31/07/2025 București, România

Diplomă de licență-medicină dentară

Universitatea de Medicină și Farmacie "Carol Davila",

Facultatea de Medicină Dentară

01/10/2015 – 15/09/2021 București, Romania

Diplomă de licență- Tehnică dentară

Universitatea de Medicină și Farmacie "Carol Davila",

Facultatea de Moașe și Asistență medicală

01/10/2013 – 15/09/2016 București, Romania

Diploma de Bacalaureat

Colegiul Național "Ferdinand I"

01/09/2009 – 30/06/2013 Bacău, Romania

CERTIFICĂRI

GOOD CLINICAL PRACTICE COURSE

NIDA Clinical Trials Network, Bucharest

11/2024

STAGIU DE CERCETARE

OMFS-IMPATh Research Group, Faculty of Medicine, KU
Leuven

01/03/2024 – 31/08/2024 Leuven, Belgium



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PUBLICAȚII

Evaluation of Four 3D Facial Scanning Technologies: From Photogrammetry to Structured-Light Systems in Clinical Dentistry.

Burlacu Vatamanu OE, Cristache CM, Drafta S, Nimigean VR. Dent J (Basel). 2026 Feb 14

A Hybrid Workflow for Auricular Epithesis: Proof of Concept Integrating Mold Design and the Virtual Patient

Tarba CI, Dragomir I, Baci IM, **Burlacu Vatamanu OE (autor corespondent)**, Ghionea IG, Cristache. Prosthesis. 2025

What is the role of AI-driven automation in static surgical guide design? A scoping review.

Andrade-Bortoletto MFS, Du X, Dawood EA, **Burlacu Vatamanu OE**, Tarce M, Fontenele RC, Freitas DQ, Jacobs R. J Dent. 2025 Dec

Clear aligner therapy for minimally invasive dentistry: A scoping review.

Vatamanu, Oana Elena Burlacu, Zaid Alzyoud, Bahaaeldeen M. Elgarba, Rocharles Cavalcante Fontenele, Corina Marilena Cristache, and Reinhilde Jacobs. Journal of Dentistry (2025)

Automated orofacial virtual patient creation: A proof of concept.

Jindanil, Thanatchaporn, **Oana-Elena Burlacu-Vatamanu**, Joeri Meyns, Jeroen Meewis, Rocharles Cavalcante Fontenele, Maria Cadenas de Llano Perula, and Reinhilde Jacobs. Journal of Dentistry 150 (2025)

Advancements in digital workflows for 3D-printed maxillofacial soft prostheses: Exploring design and materials in direct additive manufacturing: A scoping review.

Tarba, Cristian Ioan, Mircea Alexandru Cristache, Ioana Medeea Baci, Corina Marilena Cristache, **Oana Elena Burlacu Vatamanu**, and Luminita Oancea. Applied Sience 2025

Predictable Full Digital Workflow Using Stackable Surgical Templates for Complete Dental Arch Rehabilitation with Implant-Supported Fixed Restorations—Case Series and Proof of Concept

Cristache, C.M., **Burlacu Vatamanu, O.E.**, Butnarasu, C.C., Mihut, T. and Sgiea, E.D. Dentistry Journal 2024

Automated orofacial virtual patient creation: A proof of concep

Jindanil, Thanatchaporn; **Burlacu-Vatamanu, Oana-Elena**; Meyns, Joeri ; Meewis, Jeroen ; Fontenele, Rocharles Cavalcante ; de Llano Perula, Maria Cadenas; Jacobs, Reinhilde
Journal of Dentistry-2024

Predictable Full Digital Workflow Using Stackable Surgical Templates for Complete Dental Arch Rehabilitation with Implant Supported Fixed Restorations-Case Series and Proof of Concep

Cristache, Corina Marilena; **Vatamanu Oana Elena Burlacu**; Butnarasu, Cristian Corneliu ; Mihut, Tamara ; Sgiea, Eliza Denisa-2024



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The Virtual Patient: A Promising Artificial Intelligence Application in Dentistry

Burlacu Vatamanu OE, Drafta S, Babiuc I, David M, Cristache CM, dentalTarget-2023

A Finite Element Analysis of a Tooth-Supported 3D-Printed Surgical Guide without Metallic Sleeves for Dental Implant Insertion

Ionut Gabriel Ghionea; **Oana Elena Burlacu Vatamanu**; Ana Maria Cristescu; Mihai David; Izabela Cristina Stancu; Cristian Butnarusu; Corina Marilena Cristache. 2023, Applied Sciences 13, no. 17: 9975. Indexată în WOS

Digital versus analog in fixed prosthetic restorations on dental implants

Alecu ME, **Burlacu Vatamanu OE**, Tanase G, Cristache CM, Digital versus analog in fixed prosthetic restorations on dental implants, dentalTarget, may2021, Vol. 16 Issue 2 (59)

Intraoral scanning in dentistry, a viable alternative to conventional impression?

Burlacu-Vatamanu, OE; Tanase, G; Burlibaşa, M; Cristache, CM, dentalTarget, mar2021, Vol. 16

Digital versus analog în dental medicine

Cristache C.M., Eftimie-Totu E., Mihuţ T., Iorgulescu G., Pintilie I., **Vatamanu Burlacu O.E.**, Burlibaşa M., Dental Target. March 2020;

Is guided surgery a predictable option for dental implants insertion?

Book chapter

Burlacu Vatamanu OE, Tanase G, Cristache CM, Costea R, Ionescu I, Burlibasa M, Tendinţe moderne în ştiinţele biomedicale, Vol. XXV.

PREMII

Automated Orofacial Virtual Patient Creation Using MSCT Versus CBCT

CED-IADR Annual Meeting, Barcelona, Spain 2025

Ultimate dentAI

Best Team Effort- Hackathon4Health 2024

Teeth Tech: Artificial Intelligence's Sharp Eye for Detecting Alveolar Bone Levels in Panoramic Radiographs(ID833)

Premiul I-Young Researchers Session – Dentistry Carol Davila University of Medicine and Pharmacy Congress (12th Edition), Bucureşti, October 24-26, 2024.

Menţiune - International Congress for Students and Young Doctors stuDENT 2017

"CAD-CAM Technologies for dentures



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COMPETENȚE LINGVISTICE

Limbă	Înțelegere	Exprimare	Sciere
Română	Maternă	Maternă	Maternă
Engleză	C2	C2	C2
Neerlandeză	A2	A2	A2

Data,
28.05.2026