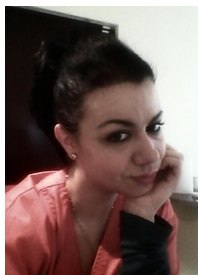


PERSONAL INFORMATION



VELEA-BARTA, Oana-Alexandra

✉ Oana.velea@gmail.com, velea.oana@umft.ro



Date of birth 24/02/1986 | Nationality Romanian

OCCUPATIONAL FIELD/ MAIN RESPONSABILITIES AND ACTIVITIES

- Teaching assistant, Odontotherapy-Endodontics clinic, Dental Medicine, "VICTOR BABEȘ" University of Medicine and Pharmacy, Timișoara
- IVth and Vth year students' Endodontic clinical laboratories
 - coordination of undergraduate thesis
 - scientific research activity

WORK EXPERIENCE

Odontotherapy-Endodontics teaching assistant**2025- Present****Senior Endodontic specialist**

- Odontotherapy-Endodontic clinic, Dental Medicine, "VICTOR BABES" University of Medicine and Pharmacy, Timisoara, Romania
- Eftimie Murgu square, no 2, 300041, Timisoara

2020- 2025**Endodontic specialist**

- Odontotherapy-Endodontic clinic, Dental Medicine, "VICTOR BABES" University of Medicine and Pharmacy, Timisoara, Romania
- Eftimie Murgu square, no 2, 300041, Timisoara

26.05.2015- present**PhD**

- Periodontology clinic, Dental Medicine, "VICTOR BABES" University of Medicine and Pharmacy, Timisoara, Romania
- Eftimie Murgu square, no 2, 300041, Timisoara

2014 – present**Prosthodontic specialist**

- Prosthodontics clinic, Dental Medicine, "VICTOR BABES" University of Medicine and Pharmacy, Timisoara, Romania
- Eftimie Murgu square, no 2, 300041, Timisoara

2011- present**Dentist at ROVEDENT dental practice**

- Martir Remus Tasala street, no 1, sc A, ap 1, Timisoara

EDUCATION AND TRAINING

Teaching activity during the clinical courses of the Odontotherapy and Endodontic clinic

Research activity in the Periodontology clinic

Clinical dental activity in the Odontotherapy and Endodontic clinic

Clinical dental activity in the Prosthodontic clinic

Clinical dental activity in the private practice

01.10.2010- 31.10.2014

Period **Full-time PhD student, Periodontology Department, Dental Medicine, "Victor Babes" University of Medicine and Pharmacy, Timisoara**

Position held Clinical research activity for the PhD thesis
"Victor Babe" university of Medicine and Pharmacy, Eftimie Murgu square no. 2, code 300041, Timisoara

Period **01.10.2004 – 01.10.2010**

Student – Long-term univeristy studies, Dental Medicine, "Victor Babes" University of medicine and Pharmacy, Timisoara

Qualification/ Obtained Diploma **Dentist**

Main studied subjects

- Dental prosthetics tehnology
- Preventive dentistry
- Oro-dental diagnosis and ergonomics
- Dental materials
- Anesthesiology in dental medicine
- Restorative odontotherapy
- Fixed dental prosthetics, mobile dental prosthetics
- Coommunity medicine
- Radiology and dental-maxillary medical imaging
- Occlusology
- Endodontics
- Dento-aleveoloar surgery
- Dento-facial esthetics
- Craniomaxillofacial surgery
- Pedodontics
- Orthodontics
- Prosthetic restorations on implants
- Oral pathology
- Dental microscopy
- Oral health
- Periodontology
- Removable dental prosthetics
- Oral rehabilitation and emergencies in dental medicine
- Cutting-edge surgical techniques in periodontology - alternative therapies

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

German

A1

A2

A1

A1

A2

Communication skills

- good communication skills gained through my experience as teaching assistant

Organisational / managerial skills

- Entrepreneurial and team spirit
- Good experience in managing and organising curricular and extracurricular student activities

Computer skills

- good command of Microsoft Office™ tools and Photoshop

Other skills

- Hobbies: tennis playing, skiing, ice skating, interior design, reading

Driving licence

- B

ADDITIONAL INFORMATION

- Reviewer at Minerva Dental and Oral Science - Edizioni Minerva Medica

Annex 1

Scientific contribution

The most relevant publications for own professional achievements

1. Mihai Paven, Adrian-George Marinescu, Osama Abuabboud, Laura-Elena Cirligeriu, Luminița-Maria Nica, Bianca Georgiana Cărbăș, Izabella Maria Kovacs, **Oana-Alexandra Velea-Barta**, Roxana Oancea- "Temperature Variations on the External Root Surface During Warm Injectable Gutta-Percha Obturation at Different Thermo-Plasticization Settings: An In Vitro Study", *Medicina*, 2026, 62(6), 1159
2. Luminita-Maria Nica, Osama Abuabboud, Dora-Mădălina Zavolan, AdrianGeorge Marinescu, Andreea-Steluța Hera Cotulbea, **Oana-Alexandra Velea-Barta**, Razvan-Mihai Horhat, Mihai Paven, Laura-Elena Cirligeriu- QUANTITATIVE ASSESSMENT OF THE APICALLY EXTRUDED DEBRIS USING WAVE ONE GOLD AND PROTAPER NEXT IN ROOT CANAL SHAPING. *Romanian Journal of Oral Rehabilitation*, vol 17, No. 1, January-March 2025, DOI : 10.62610/RJOR.2025.1.17.1
3. Monica Simina Mihuta, Corina Paul, Andreea Borlea, Cristina Mihaela Roi, Denisa Pescari, **Oana-Alexandra Velea-Barta**, Ioana Mozos and Dana Stoian- "Connections between serum Trimethylamine N-Oxide (TMAO), a gut-derived metabolite, and vascular biomarkers evaluating arterial stiffness and subclinical atherosclerosis in children with obesity", *Frontiers in Endocrinology*, 2023, Front. Endocrinol. 14:1253584.doi: 10.3389/fendo.2023.1253584. (ISI)
4. Monica Simina Mihuta, Corina Paul , Andreea Borlea , Cristina Mihaela Roi ,**Oana-Alexandra Velea-Barta** , Ioana Mozos and Dana Stoian- Unveiling the Silent Danger of Childhood Obesity: Non-Invasive Biomarkers Such as Carotid Intima-Media Thickness, Arterial Stiffness Surrogate Markers, and Blood Pressure Are Useful in Detecting Early Vascular Alterations in Obese Children. *Biomedicines*, 2023, 11, 1841. <https://doi.org/10.3390/biomedicines11071841> (ISI)
5. Razvan Mihai Horhat, Bogdan Andrei Bumbu, Laura Orel, **Oana Velea-Barta** , Laura Cirligeriu . Gratiana Nicoleta Chicin, Marius Pricop, Mircea Ravis, Stefania Dinu , Delia Ioana Horhat ,Felix Bratosin , Roxana Manuela Fericean , Rodica Anamaria Negrean and Luminita Maria Nica- "Assessing the Sealing Performance and Clinical Outcomes of Endodontic Treatment in Patients with Chronic Apical Periodontitis Using Epoxy Resin and Calcium Salicylate Seals". *Medicina* 2023, 59, 1137. <https://doi.org/10.3390/medicina59061137> (ISI)
6. Monica Simina Mihuta, Dana Stoian , Andreea Borlea , Cristina Mihaela Roi, **Oana-Alexandra Velea-Barta** , Ioana Mozos and Corina Paul, *Evaluating the Arterial Stiffness as a Useful Tool in the Management of Obese Children*. *Children* 2023, 10, 183, <https://doi.org/10.3390/children10020183> (ISI)
7. Laura Orel, **Oana-Alexandra Velea-Barta** , Cosmin Sinescu, Virgil-Florin Duma ,Luminita-Maria Nica , Razvan Mihai Horhat, Raul Dorin Chirila, Anca Tudor ,Dan-Dumitru Vulcănescu and Meda Lavinia Negruțiu- "Comparative Assessment of the Shaping Ability of Reciproc Blue, WaveOne Gold, and ProTaper Gold in Simulated Root Canals". *Materials* 2022, 15, 3028. <https://doi.org/10.3390/ma15093028> (ISI)

8. Andreea-Simona Boscornea-Puşcu, Laura Orel, **Oana-Alexandra Velea-Barta**, Razvan Mihai Horhat, Meda- Lavinia Negruţiu, Luminiţa Maria Nica, Virgil-Florin Duma, Dan Ioan Stoia, Carmen Oprea, Cosmin Sinescu- "*Experimental Study of the Effects of Torsional Loading on Three Types of Nickel-Titanium Endodontic Instruments*", *Appl. Sci.* 2021, 11, 7224. <https://doi.org/10.3390/app11167224> (ISI)
9. Laura Orel, **Oana-Alexandra Velea-Barta**, Luminita-Maria Nica, Andreea-Simona Boscornea-Puşcu, Razvan Mihai Horhat, Roxana-Maria Talpos-Niculescu, Cosmin Sinescu, Virgil-Florin Duma, Dan-Dumitru Vulcanescu, Florin Topala, Meda Lavinia Negrutiu- "*Evaluation of the shaping ability of three thermally treated nickel-titanium endodontic instruments on standardized 3D-printed dental replicas using cone-beam computed tomography*", *Medicina* 2021, 57(9), 901; <https://doi.org/10.3390/medicina57090901> (ISI)
10. Marius Boariu, Luminita-Maria Nica, Adrian Marinescu, Ecaterina Valentina Ganea, **Oana Velea**, Daniela Maria Pop, Ioana Delia Bretean, Laura Elena Gîrligeriu- "*Efficiency of Eucayptol as Organic Solvent in Removal of Gutta-percha from Root Canal Fillings*" *Chemistry Magazine*, Bucuresti, 66, No.6, 2015, p. 907-910 (ISI)
11. **Oana A. Velea**, Cosmin Sinescu, Corneliu Zeicu, Paul Cornel Freiman, Puiu Iulian Velea, Doina Onisei, Virgil Florin Duma- "*Evaluation of Periodontal Pockets using Different Biomaterials. A preliminary study*", *Chemistry Magazine*, Bucuresti, 65, No. 9, 2014 (ISI)
12. **Oana A.Velea**, Dan Onisei, Doina Onisei, Andreea Pogan, Corrado Paganelli, Iulian P. Velea- "*Microbiological Aspects in Periodontal Disease and Diabetes Mellitus*", *Romanian Journal of Diabetes, Nutrition and Metabolic Disease*, ISSN: 2068- 8245 (Print) ISSN: 2284-6417 (Online), p. 151-163, vol 21, No. 2, 2014 (BDI)
13. **Oana A. Velea**, Caroline Kralev, Dan Onisei, Doina Onisei, Luminita M. Nica, Iulian P. Velea- "*Diabetes Mellitus and Periodontal Disease- a two-way road. Current concepts and future considerations. A literature Review*", *European Scientific Journal*, ISSN: 1857 - 7881 (Print) ISSN: 1857 - 7431 (Online), p.61-79, vol 9, no 9, 2013, (BDI)
14. **Oana Alexandra Velea**, Dan Onisei, Caroline Kralev, Doina Onisei – „*Odonto-periodontal manifestations in calcium and vitamin D prolonged deficiency*”, *Medicine in Evolution*, ISSN 2065-376X, p 391-401, volume XVIII, Nr. 2, 2012, Timișoara, Romania (B+).
15. Velea P.I., Corina Paul, Tămășan I., **O.A. Velea**, E. Gai – "*Prospectiv study concerning the humoral immunity and metabolic markers in the infantile population with diabetogenic risk*". *Pediatric Diabetes* (ISSN: 1399-543X), 2011; vol. 10 (Suppl 15), p. 112.
16. Corina Paul, Iulian Velea, Ionela Tamasan, **Oana Alexandra Velea** – "*Puberty as precipitating factor of type 2 diabetes. Prospective 5 years clinical and biological study*", *Hormone Research in paediatrics* (ISSN: 1663-2818), 2011, 76, Suppl 2, 321-322.
17. P.I. Velea, Corina Paul, E.Gai, V. Paunescu, I. Tamasan, **O.A. Velea** – „*Study concerning the genetic background in the infantile population with type 1 diabetes mellitus*" *Pediatric Diabetes*, (ISSN: 1393-543X), pg.82-83, vol 10, suppl. 11, sept. 2009.

Book chapters

1. Iulian Velea, **Oana Alexandra Velea-Barta**- "*Integrative evaluation of children and adolescence with obesity*" in Prof. Dr. Iulian Velea (editor)- "*Current events in the multidisciplinary approach to pediatric obesity*", Ed. Mirton, ISBN 978-973-52-2204-8, Timisoara 2026
2. Iulian Velea, Monia Simina Mihuta and **Oana-Alexandra Velea-Barta**- "*The brain and diabetes in children*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors) - "*Current Trends in Pediatric Endocrinology and Diabetes*, Ed. Mirton, ISBN 978-973-52-2111-9, Timisoara 2024
3. Monica Simina Mihuta, Corina Paul, **Oana-Alexandra Velea-Barta** and Dana Stoian- "*The role of gut microbiota in childhood obesity*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors) - "*Current Trends in Pediatric Endocrinology and Diabetes*, Ed. Mirton, ISBN 978-973-52-2111-9, Timisoara 2024
4. Iulian Velea, **Oana Alexandra Velea-Barta**, Monica Simina Mihuta- "*The use of CGMS in children with diabetes mellitus type 1: between challenges and benefits*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors) - "*Pediatric Endocrinology and Diabetes - 2023 Update*", Ed. Mirton, ISBN 978-973-52-2069-3, Timisoara, 2023
5. Iulian P. Velea, **Oana-Alexandra Velea-Barta** - "*Physical exercise as a therapeutic element in children with Type 1 Diabetes Mellitus*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors) - "*Pediatric Endocrinology and Diabetes - 2022 Update*", Ed. Mirton, ISBN 978-973-52-2033-4, Timisoara, 2022
6. **Oana Alexandra Velea-Barta**, Iulian P. Velea- "*Bone health in childhood and adolescence*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors) - "*Pediatric Endocrinology and Diabetes - 2021 Update*", Ed. Mirton, ISBN 978-973-52-1987-1, Timisoara 2021
7. Iulian P. Velea, Corina Paul, **Oana Alexandra-Velea Barta** "*Partial remission in type 1 diabetes*" in Iulian P. Velea, Corina Paul, Stuart J. Brink (editors)- "*Pediatric Endocrinology and Diabetes- 2020 Update*", Ed. Mirton ISBN 978-973-52-1942-0, Timisoara, 2020
8. Iulian P. Velea, Corina Paul, **Oana A. Barta-Velea** "*Cognitive function in child's diabetes*" in Iulian Velea, Corina Paul, Stuart J. Brink (editors) - "*Pediatric Endocrinology and Diabetes - 2019 Update*", Ed. Mirton, ISBN 978-973-52-1853-9, Timisoara, 2019
9. **Oana Alexandra Barta-Velea** "*Patologia buco-dentara la copilul cu diabet zaharat*" in Iulian P. Velea (editor)- "*Boli metabolice la copil*" - tratat-, Ed. Mirton, ISBN 978-973-52-1800-3, Timisoara 2018
10. Iulian P. Velea, Corina Paul, **Oana A. Velea** "*Therapeutic nutrition in the case of type 1 diabetes in children*" in Iulian Velea, Corina Paul, Stuart J. Brink (editors) - "*Pediatric Endocrinology and Diabetes - 2016 Updates*", Ed. Mirton, ISBN 978-973-52-1633-7, Timisoara 2016
11. Iulian P. Velea, Corina Paul, **Oana A. Velea** "*Education of the child with Diabetes Mellitus Type 1*" in: Iulian Velea, Corina Paul, Stuart J. Brink (editor) – "*Update in Pediatric Endocrinology and Diabetes*"- Ed. Mirton, ISBN 978-973-52-1530-9, Timisoara, 2015
12. Iulian P. Velea, Marilena Lazarescu, **Oana Alexandra Velea** "*Vitamin D- Diabetes Mellitus Relationship*" in: Iulian Velea, Corina Paul, Stuart J. Brink (editors) – „*Theoretical and Practical Update in Pediatric Endocrinology and Diabetes*"- Ed. Mirton, ISBN 978-973-52- 1441-8, Timisoara, 2014

13. Iulian Velea, Corina Paul, **Oana Velea** "Growth in the child with diabetes mellitus" in: Iulian Velea, Corina Paul, Stuart J. Brink (editors) – „Clinical issues in pediatric endocrinology” - Ed. Miron, ISBN 978-973-52-1231-5, Timisoara, 2012

Publications in volumes of international scientific events

1. **Oana Alexandra Velea**, Andreea Pogan, Doina Onisei, Dan Onisei, Puiu Iulian Velea- "Immunological aspects in patients with type 2 Diabetes Mellitus and Periodontal Disease"- Congresul International EUROPERIO 8- 8th Conference of the European Federation of Periodontology, iunie 3-6, 2015, Londra
2. **Oana A. Velea**, Andreea Pogan, Doina Onisei, Onisei Dan, Velea Iulian- "Microbiology in Periodontal Diabetic Patients"- XIX MICHAL KLOPOTOWSKI SCIENTIFIC DENTAL STUDENT CONFERENCE, 28 Martie 2014, Lodz, Polonia
3. D. Onisei, I. Feier, **O. Velea**, D. Onisei – „To use or not to use DOXYCYCLINE in periodontal therapy? “ - Congresul International EUROPERIO 7- 7th Conference of the European Federation of Periodontology, iunie 6-9 , 2012 Viena
4. I. Feier, D. Onisei, D. Onisei, **O. Velea** – „A comparative study about the effects of three different ultrasonic scalers on the enamel surface profile” - Congresul international EUROPERIO 7- 7th Conference of the European Federation of Periodontology, iunie 6-9 , 2012 Viena

Scientific papers communicated at national scientific events with international participation

1. Velea Iulian, Popa Ioan, Corina Paul, **Velea Oana**, Miha Luminita, Lebu Oana – „Educatia element terapeutic in managementul diabetului zaharat tip 1 la copil”. Congres International de pediatrie Sibiu, vol rez. pg. 485, 2007.
2. Velea Iulian, Popa Ioan, Corina Paul, Lopatita Ionela, **Velea Oana** – „Terapia prin pompa de insulina la copilul cu diabet zaharat tip 1” - Congres International de pediatrie Sibiu, vol rez. pg. 486, 2007.
3. Velea I., Popa I., Corina Paul, Onet D., **Velea Oana Alexandra**, Lebu Oana – „Relatia echilibru glicemic – mineralizare osoasa in diabetul zaharat tip 1 cu debut in copilărie”. Timisoara Medical Journal, ISSN 1583-5251, pp. 99-100, vol 55, suppl. 1, 2005 (CNCSIS 367, B)

Articles or studies published in the volumes of national scientific events

1. **Oana Alexandra Velea**, Dan Onisei, Caroline Kralea, Doina Onisei – „Periodontal Disease and Diabetes Mellitus. Clinical and Immunological Correlations.”- POSDRU Sesiune de Comunicari Iasi, Simpozionul Doctoranzilor, 26 noiembrie 2012, prezentare poster
2. **Oana Alexandra Velea**, Doina Onisei, Dan Onisei, Ioana Feier, Velea I. „Clinical and Therapeutical correlations between diabetes mellitus and periodontal disease” - Al 37-lea Congres National al Societatii Romane de Diabet, Nutritie si Boli Metabolice, Roumanian Journal of Diabetes Nutrition and Metabolic Disease (ISSN 1583-8609), vol 18 (2011), no. 2 (suppl. 1) p. 147 - 148.
3. Velea I., Popa I., Corina Paul, Ilie C., Păunescu V., **Oana Velea**. – „Studiu prospectiv privind imunitatea umorala si markerii metabolici la populatia infantilă cu risc diabetogen”. Al 33-lea Congrs National al Societatii Romane de diabet, nutritie si boli metabolice, 16 – 19 mai, Bucuresti, Acta Diabetologica Romăna, vol 33, pg. 323, 2007.
4. Velea I., Popa I., Corina Paul, L.Todorescu – Negru, **Oana Velea** – „Studiu clinico-biologic privind boala autoimuna tiroidiana la copilul si adolescentul cu diabet zaharat tip 1”. Al 32-lea Congrs National al Societatii Romane de diabet, nutritie si boli metabolice, 16 – 19 iunie, Baile Felix, Acta Diabetologica, vol 32, nr.1, pg. 84, 2006.
5. Velea I., Popa I., Paul C., Onet D., Tanasescu-Negru L., **Velea O.** – „Chronic complication in diabetes mellitus in children and adolescent. Clinical biological study”. Al 11-lea Simpozion National Diabetul Zaharat al Copilului si Adolescentului, 9-11 aprilie 2006, Buzias, vol. Rez. pg. 84-85, 2006.
6. Velea I., Popa I., Corina Paul, **Oana Velea**. – „Asocierea diabet zaharat – boala autoimuna tiroidiana la copil. Studiu clinico-biologic”. A XXXV-a Conferinta Nationala de Imunologie, 2-4 iunie 2005, Timisoara, Vol Rez. p.93.
7. Velea I., Popa I., Corina Paul, Onet D., **Velea Oana Alexandra**, Lebu Oana – „Relatia echilibru glicemic – mineralizare osoasa in diabetul zaharat tip 1 cu debut in copilărie”. Timisoara Medical Journal, ISSN 1583-5251, pp. 99-100, vol 55, suppl. 1, 2005 (Cod CNCSIS 367, B)

Award-winning scientific work

1. Simina Lugoian, Dan Onisei, **Velea Oana**, Doina Onisei. "Rolul diabetului in etiologia si evolutia bolii parodontale", Premiul III la Congresul International pentru studenti si tineri medici „DenTim” 2013.
2. **Oana Velea**, Andreea Pogan, Doina Onisei. „Factorii de risc si prognosticul bolii parodontale – mit sau realitate ?”, Premiul Special la Congresul International pentru studenti si tineri medici „DenTim” 2010.
3. **Oana Velea**, Simona Hategan, Bogdan Baldea, Anca Valceanu - „Estetica intre realitate si ideal”, premiul I la Congresul International pentru studenti si tineri medici „DenTim” 2008.
4. Velea I., Popa I., Paul C., Onet D., **Velea O.A.**, Lebu O.- „Relatia echilibru glicemic – mineralizare osoasa in diabetul zaharat tip 1 cu debut in copilărie” - Premiul I la sesiunea Postere „Agora Diabetologica” organizata la Al 31-lea Congres National al Societății Române de Diabet, Nutritie si Boli Metabolice, Timisoara, 24-27 Mai 2005