

Curriculum Vitae

OMAR SALEH ALAGEEL



Riyadh, Saudi Arabia



+966503127702



oalageel@gmail.com/ oalageel@ksu.edu.sa



Omar Alageel

@omaralageel



EDUCATION

- PhD in Craniofacial Health Sciences, Faculty of Dentistry, McGill University (Montreal, QC, Canada); from 2014-2019, GPA 4.0/4.0.
- MSc in Dental Sciences, Faculty of Dentistry, McGill University (Montreal, QC, Canada); graduated in 2014.
- BSc in Dental Technology program; Collage of Applied Medical Science, King Saud University (Riyadh, Saudi Arabia), GPA of 4.18 / 5; graduated in 2008.

WORK EXPERIENCES

12/2023- now: Associate Professor, College of Applied Medical Sciences, Department of Dental Health; King Saud University (Riyadh, Saudi Arabia).

1/2023- 1-2025: Department Head, Department of Dental Health; College of Applied Medical Sciences, King Saud University (Riyadh, Saudi Arabia).

11/2019- 12/2034: Assistant Professor, College of Applied Medical Sciences, Department of Dental Health; King Saud University (Riyadh, Saudi Arabia).

10/2017-10/2019: Lecturer, College of Applied Medical Sciences, Department of Dental Health; King Saud University (Riyadh, Saudi Arabia).

1/2016-7/2016: Part-time; Teaching Assistant for Tooth Loss Course; Faculty of Dentistry, McGill University (Montreal, QC, Canada).

1/2015-7/2015: Part-time; Teaching Assistant for Tooth Loss Course; Faculty of Dentistry, McGill University (Montreal, QC, Canada).

1/2009 - 4/2010: Full-time Teaching Assistant position at College of Applied Medical Sciences, Department of dental health; King Saud University (Riyadh, Saudi Arabia).

9/2006-12/2007: Clinical Training at the dental laboratory of Alyamama Hospital (Riyadh, Saudi Arabia).

1/2008-1/2009: Internship at the dental laboratory of King Fahd Hospital for National Guard (Riyadh, Saudi Arabia).

6/2007-9/2007: Summer job at SMSA Inc.; Administration and Human Resources Center (Riyadh, Saudi Arabia).

AWARDS

2019: King Saud University for Scientific Excellence Award (2019)

2018: Best Research Award from Faculty of Dentistry, McGill University (Montreal, QC, Canada).

2017: Graduate Research Enhancement and Travel (GREAT) Award by McGill University.

2016: Selected to represent Canada in the Unilever Hatton Competition, South Korea.

2016: Travel Award by Canadian Association for Dental Research (CADR).

2015: 1st place in the senior/clinical Science category of the CADR-NCOHR Student Research Award.

2015: Unilever Hatton Competitor representing Canada in the International Association for Dental Research (IADR).

2016, 2014, 2011: Excellence Awards from the Saudi Arabian Cultural Bureau (SACB) in Canada.

2014-2019: Scholarship from King Saud University (Riyadh, Saudi Arabia) for PhD program.

2013: Research grant from Ministry of Higher Education in Saudi Arabia.

2011-2013: Scholarship from King Saud University (Riyadh, Saudi Arabia) for MSc program.

PATENTS

1. Caron E, Tamimi Marino F, Alageel O, Alsheghri A, Song J; Computer-aided design and manufacturing of removable partial denture frameworks with enhanced biomechanical properties, 2021 (US20180042708A1).
2. Tamimi F, Cerruti M, Abdallah MN, Alageel O, Le XT, Luo ZY, Retrouvey JM. Bonding between metals and polymers (US 61 739 102).

PUBLICATIONS

1. S Palaniyappan, NK Sivakumar, G Annamalai, M Bodaghi, **O Alageel**. Mechanical and tribological behaviour of three-dimensional printed almond shell particles reinforced polylactic acid bio-composites. Proceedings of the Institution of Mechanical Engineers, Part L. 2025
2. Sivakumar, N, Palaniyappan, S, SM, M., Kothandaraman, L., Basavarajappa, S., **Alageel, O.**, Hashem, M. I. Study on the bending and dimensional behavior of honeycomb latticed ONYX composite material. Journal of Materials: Design and Applications, 2024
3. **O Alageel**, N Alfrisany, A Aldosari, S Qashish, MM Alsarani, AY AlFaify. Impact of Density Variations and Growth Direction in 3D-Printed Titanium Alloys on Surface Topography and Bonding Performance with Dental Resins
4. Crystals 14 (8), 712. 2024
5. A Di Fiore, E Stellini, **O Alageel**, A Alhotan. Comparison of mechanical and surface properties of two 3D printed composite resins for definitive restoration. The Journal of Prosthetic Dentistry. 2024
6. O Alsadon, H Alayadi, **O Alageel**, S Vellappally, H Almansour, M Alsarani. Knowledge, Attitude, and Practices toward the Novel Coronavirus Infection in Dental Laboratories in the Kingdom of Saudi Arabia: Cross-Sectional Study
7. Journal of Pharmacy and Bioallied Sciences 16 (Suppl 2), S1505-S1509. 2024
8. P Kashid, SN Mathad, MR Shedam, A Somya, AZ Ansari, M Hashem, **O Alageel**. Facile fabrication and grain-size depended on structural behavior of Cadmium-Substituted nano Co-Ni ferrites by chemical method. Ain Shams Engineering Journal 15 (3), 102549. 2024
9. MM Alsarani, O Alsadon, **O Alageel**, N Alfrisany, Z Almutairi. The Effect of Femtosecond Laser Surface Patterns on the Effectiveness of Resin Composite to Zirconia Bonding. Journal of Functional Biomaterials 14 (10), 508. 2024
10. **O Alageel**, S Alhijji, O Alsadon, M Alsarani, AA Gomawi, A Alhotan. Trueness, flexural strength, and surface properties of various three-dimensional (3D) printed interim restorative materials after accelerated aging. Polymers 15 (14), 3040. 2023
11. D Bangalore, AM Alshehri, O Alsadon, SM Alaqeel, **O Alageel**. Coffee staining and simulated brushing induced color changes and surface roughness of 3D-printed orthodontic retainer material. Polymers 15 (9), 2164. 2023
12. **O Alageel**. Characterization of Temporary Dental Crown Materials Prepared by Different Digital Technologies. Proceedings of the 9 th World Congress on Electrical Engineering and Computer Systems and Sciences (EECSS'23) 2023
13. O Alsadon, R Moorehead, H Almansour, D Bangalore, **O Alageel**, D Wood. Surface Characteristics and Adhesion of Veneering Composite Resin to PAEK-Based Substructure Restorative Materials. Journal of Prosthodontics 32 (2), 147-153, 2023
14. **Alageel O**, Alsadon O. Evaluation of the Accuracy of Transferring Copings for Dental Implants Using Different Impression Techniques. J Dent Oral Health 10: 1-8. 2023
15. **Alageel O**, Alhijji S, Alsadon O, Alsarani M, Gomawi AA, Alhotan A. Trueness, Flexural Strength, and Surface Properties of Various Three-Dimensional (3D) Printed Interim Restorative Materials after Accelerated Aging. Polymers 15 (14), 3040. 2023.
16. Bangalore D, Alshehri AM, Alsadon O, Alaqeel SM, **Alageel O**. Coffee Staining and Simulated Brushing Induced Color Changes and Surface Roughness of 3D-Printed Orthodontic Retainer Material. Polymers 15 (9), 2164. 2023
17. **Alageel O**, Alsadon O, Almansour H, Alshehri A, Alhabbad F, Alsarani M. Assessment of effect of accelerated aging on interim fixed dental materials using digital technologies. The Journal of Advanced Prosthodontics 14 (6), 360. 2022
18. **Alageel O**, Three-Dimensional Printing Technologies for Dental Prosthesis: A Review, Rapid Prototyping Journal. 2022
19. Alsadon O, Moorhead R, Almansour H, Bangalore D, **Alageel O**, Wood D. Surface characteristics and adhesion of veneering composite resin to PAEK based substructure restorative materials. Journal of Prosthodontics, 2022.
20. Anil S., **Alageel O.**, Alsadon O., Alaqeel S. M., Alsarani M. M., Hashem M., ... & Javaid, M. Topographical changes and bactericidal efficacy of antimicrobial photodynamic therapy on titanium implant surface. Photodiagnosis and Photodynamic Therapy. 2022.
21. Vellappally S, Mahmoud MH, Alaqeel SM, Alotaibi RN, Almansour H, **Alageel O**, Hashem M, Fouad H, Saadaldin S, Sukumaran A. Efficacy of antimicrobial photodynamic therapy versus antiviral therapy in the treatment of herpetic gingivostomatitis among children: a randomized controlled clinical trial. Photodiagnosis and Photodynamic Therapy. 2022
22. Richert R, Alsheghri A, **Alageel O**, Caron E, Song J, Ducret M, Tamimi F. Analytical model of I-bar clasps for removable partial dentures. Dental Materials, 37(6), 1066-1072, 2021.
23. Tamimi F., Almufleh B., Caron E., **Alageel O**, Digital removable partial dentures. Clinical Dentistry Reviewed, 2020.
24. Yara Oweis Y, Algizani S, Mezour MA, **Alageel O**, Mahjoubi H, Laurenti M, Abdallah MN, Cerruti M, Tamimi F, Biocompatibility and durability of diazonium adhesives on dental alloys, Journal of Prosthodontics, 2020.

25. **Alageel O**, Ashraf N, Bessadet M, Nicolas E; Tamimi F, Evaluation of the design-driven prediction of removable partial denture retention, Journal of Prosthetic Dentistry, 2019.
26. Mansour A, Abu nada L, Al-Waeli H, Mezour MA, Abdallah MN, Kinsella J, Kort-Mascort J, Henderson J, Ramirez-Garcialuna JL, Tran S, El-Kashty O, Mousa H, Taqi D, Al-Hamad F, **Alageel O**, Kaartinen M, Tamimi F, Bone Extracts Immunomodulate and Enhance the Regenerative Performance of Dicalcium Phosphates Bioceramics, Acta Biomaterialia, 2019.
27. **Alageel O**, Alshegiri A, Algezani S, Tamimi F, Determining the Retention of Removable Partial Dentures, The Journal of Prosthetic Dentistry, 2019
28. Alshegri A, **Alageel O**, Mezour MA, Sun B, Yue S, Tamimi F, Song J, Bio-inspired and Optimized Interlocking Features for Strengthening Metal/Polymer Interfaces in Additively Manufactured Prostheses, Acta Biomaterialia, 2018
29. Alshegri A, **Alageel O**, Caron E, Ciobanu O, Tamimi F, Song J, An analytical model to design circumferential clasps for laser-sintered removable partial dentures, Dental Materials Journal, 2018
30. **Alageel O**, Abdallah MN, Alshegiri A, Song J, Caron E, Tamimi F. Removable partial denture alloys processed by laser-sintering technique. Journal of Biomedical Material Research Part B, 2017
31. Almufleh B, Emami E, **Alageel O**, de Melo F, Seng F, Caron E, Abi Nader S, Al-Hashedi A, Albuquerque R, Feine J, Tamimi F, Patient satisfaction with laser-sintered removable partial dentures: A crossover pilot clinical trial, The Journal of Prosthetic Dentistry, 2017
32. Oweis Y*, **Alageel O***, Kozak P, Abdallah MN, Retrouvey JM, Cerruti M, Tamimi F, Metal-composite adhesion based on diazonium chemistry, Dental Materials, 2017. *contributed equally
33. **Alageel O**, Abdallah MN, Yuan Luo Z, Jaime Del-Rio-Highsmith J, Cerruti M, Tamimi F, Bonding metals to poly(methyl) using aryldiazonium salts, Dental Materials, 2015.

BOOKS

1. Translate Book to Arabic Language: (ترجمة كتاب اصلاح الأسنان الرقمي. دار نشر جامعة الملك سعود، الطبعة الأولى ٢٠٢٤)
2. **Book Chapter: Alageel O**, Wazirian B, Almufleh B, Tamimi F, Fabrication of dental restorations using digital technologies: techniques and materials; Digital Restorative Dentistry, Springer Nature. 2019
3. **Book Chapter** Almufleh B, Tamimi F, Caron E, **Alageel O**, Clinical Procedures of Partial Removable Dental Prostheses; Digital Restorative Dentistry, Springer Nature. 2019

RESEARCH ACTIVITIES

Presentations

- 2023-** Accuracy, flexural strength, and surface roughness of interim fixed crowns materials after the accelerated aging process and printed by different 3D printing systems. 10th International Conference on Biomedical Engineering and Systems (ICBES'23), August 03 - 05, 2023 in London, United Kingdom.
- 2021, 2022-** Fabrication of Removable Partial Dentures (RPDs) using digital technologies. Dental Health Department Research Meeting, King Saud University, 2021 and 2022
- 2018-** Prediction of the Retention of Removable Partial Dentures (RPDs), Dentistry Research Day, McGill University.
- 2017-** Clasps Retention for Laser-Sintered Removable Partial Dentures (RPDs); IADR (International Association for Dental Research); San Francisco, California.
- 2016-** Laser-Sintered Removable Partial Dentures (RPDs) Translation from Lab to Clinic; Unilever Hatton Competition & Awards, Seoul, Korea.
- 2016-** Laser-Sintered Removable Partial Dentures (RPDs) Translation from Lab to Clinic; IADR (International Association for Dental Research), Seoul, Korea.
- 2016-** Characterization of Alloys Produced with New System for Processing Dental Prosthesis; Dentistry Research Day, McGill University.
- 2016-** Metals-to-Composite Dental Adhesives Based on Diazonium Chemistry; World Biomaterials Congress, Montreal, QC.
- 2016-** Characterization of Alloys Produced with New System for Processing Dental Prosthesis; World Biomaterials Congress, Montreal, QC.
- 2016-** Characterization of Cobalt-Chromium alloy produced with laser-sintering technology for processing dental prosthesis; Dentistry Research Day, McGill University, Montreal, QC.
- 2013-** Bonding Metals to Poly-Methyl Methacrylate Using Aryldiazonium Salts; Materials Research Society (MRS), Boston, USA; 2013.
- 2012-** Bonding Titanium to poly-methyl methacrylate for dental prosthesis; Dentistry Research Day, McGill University
- 2011-** Bonding metals to polymers for dental application; Dentistry Research Day, McGill University.

EXTRA-CURRICULAR ACTIVITIES

Specialized Courses and Workshops

- Continual Curriculum Improvement: Impactful & Purposeful Chang organized by the Saudi Dental Education Society in 2020
- Health and Safety Guidelines in Dental Laboratories, Saudi Dental Technology Society, 2020
- Development and uses of Dental Ceramics, Saudi Dental Technology Society, 2020
- Quality Assurance in Dental Laboratories, Saudi Dental Technology Society, 2020
- Musculoskeletal Pain in Dental Practice, Saudi Dental Technology Society, 2020
- Basics of Shades and Colors in Dental Restorations, Saudi Dental Technology Society, 2020
- Course design for new faculty members, King Saud University, Saudi Arabia; 2019.
- Effective teaching for new faculty members, King Saud University, Saudi Arabia; 2019.
- Assessment of learning outcomes for new faculty members, King Saud University, Saudi Arabia; 2019.
- Micro-teaching and peer counseling for new faculty members, King Saud University, Saudi Arabia; 2019.
- Project Management: Essential Elements; McGill University (Montreal, QC, Canada); 2019.
- AGSEM Teaching Assistant Training; McGill University (Montreal, QC, Canada); 2018.
- Graduate Teaching Workshop; McGill University (Montreal, QC, Canada); 2017.
- Teaching techniques for Instructors workshop, McGill University (Montreal, QC, Canada); 2017.
- Learning to Teach Day; McGill University (Montreal, QC, Canada); 2015.
- Learning to Teach Day; McGill University (Montreal, QC, Canada); 2012.
- 20th Saudi Dental society & 2nd National Guard New Dental Era International Conference & Workshops; King Fahad Cultural Center (Riyadh, Saudi Arabia); 2009.
- Latest in Dental Technology; Dental Technology Club; King Saud University (Riyadh, Saudi Arabia); 2009.
- 3MESPE, Lava Precision Solution, Zirconia; College of Applied medical sciences, Saudi Arabia; 2009.
- Dental implant; STRAUMANN Inc.; King Fahd Hospital for National Guard, (Riyadh, Saudi Arabia); 2008.
- Restoration of Dentition; King Fahad Hospital (AL Khobar, Saudi Arabia); May 7-8, 2008.
- First Dental Technology Day; College of Applied Medical Sciences (Riyadh, Saudi Arabia); 2008.
- Ceramco 3, Porcelain Technique; Dentsply; College of Applied Medical Sciences, Saudi Arabia; 2007.

General Courses and Workshops

- Preparation of technical and financial offers. King Abdullah Institute for Research and Consulting Studies. 2023
- Executive planning. King Saud University. 2021
- Professional Diploma In graphic design, Shawacademy; (online course); 2019
- Foundations of Project Management, Mitacs Inc. (Montreal, QC, Canada); 2019.
- Communication; McGill University (Montreal, QC, Canada); 2019.
- Conflict Management; McGill University (Montreal, QC, Canada); 2019.
- Persuasive Public Speaking; McGill University (Montreal, QC, Canada); 2018.
- Basic Business Skills for non-Business Graduate students; McGill University (Montreal, QC, Canada); 2018.
- Leading Effective Discussions series, Facilitation Essentials; McGill University (Montreal, Canada); 2018.
- Leadership Mini Courses; McGill University (Montreal, QC, Canada); 2016.
- Fundamental of Academic Presentations, McGill University (Montreal, QC, Canada); 2016.
- Hazardous Waste Disposal Training for Laboratory Personnel; McGill University; 2011 and 2015.
- Leading Effective Discussions: Facilitation Skills for Graduate Students; McGill University; 2012.
- WHMIS Core Training for laboratory personnel; McGill University; 2011.
- Safe Use of Biological Safety Cabinets; McGill University; 2011.
- Skills Development Program of Scientific Research; King Saud University (Riyadh, Saudi Arabia); 2009
- The Excellent Speech and Influence People; King Saud University; (Riyadh, Saudi Arabia); 2009.
- How to Explain Your Thoughts and Your Feelings Clearly to Others; National Center for Youth Studies (Riyadh, Saudi Arabia); 2008.
- How to Manage Your Time Effectively; National Center for Youth Studies (Riyadh, Saudi Arabia); 2008.

LEADERSHIP ACTIVITIES AND MEMBERSHIPS

- Head of the following committees at the Dental Health Department: Curriculum (2019-2022), Scientific Research (2021) Appointments and lecturers (2019-2020), strategic planning (2022)
- Member of the research Centre (2021-2022) and research and higher education (2020) committees at collage of Applied Medical Sciences; King Saud University
- Co-founder of Saudi Dental Technology Society, 2019
- Canadian Biomaterials Society (CBS), 2015-2017
- International Association for Dental Research (IADR/) 2014-2017
- Materials Research Society, 2013-2015
- Student Council representing the collage of Applied Medical Sciences; King Saud University; 2008-2009
- Saudi Dental Society, Saudi Arabia
- Dental Technology Club; Riyadh, Saudi Arabia.
- National Center for Youth Studies; Saudi Arabia.

KEY LEADERSHIP PROJECTS

- Leading the team for updating the Dental Technology curriculum, King Saud University.
- Leading the team for establishing the Master's program in Dental Technology, King Saud University.
- Leading the team for establishing the Master's program in Dental Hygiene, King Saud University.
- Leading the team for accreditation of the Dental Technology program, King Saud University.
- Leading the team for establishing the Diploma program in Digital Dental Technology, King Saud University.

LANGUAGES

Arabic: First language.

English: Very good.

- Pronunciation for Effective Communication, McGill University (Montreal, QC, Canada); 2015.
- Graduate Writing course; McGill University, (Montreal, QC, Canada); 2012.
- Academic wiring course; University of Toronto, (Toronto, ON, Canada); 6/2011 (4 weeks)
- Comprehensive English courses; University of Toronto, (Toronto, ON, Canada); 2/2011-6/2011.
- Academic English courses at Culturworks institute (London, On, Canada); 4/2010-16/1/2011.
- English course at Van West College (Vancouver, BC, Canada) for 2009 (4 weeks).
- English course at Alfaisal Academic, (Riyadh, Saudi Arabia) 2007.

French: basic

- French conversion course, McGill University, (Montreal, QC, Canada); 2012 and 2014.

😊 Thank you for reading my CV