



## Maria Salem Ibrahim, BDS, CAGS, MDS, MPH, PhD

Assistant Professor, College of Dentistry, Imam Abdulrahman bin Faisal University (IAU), Dammam-KSA

### Personal Data

Nationality | Saudi      Department | Preventive Dental Sciences  
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### Academic Qualifications

Doctor of Philosophy of Dental Biomedical Sciences with Honor:

**Dec 2019: PhD:** University of Maryland, Baltimore (UMB), MD  
GPA: **4.0** out of **4.0**

Master of Public Health (MPH) with Honor:

**May 2018:** Johns Hopkins School of Public Health (JHSPH), Baltimore, MD-USA  
GPA: **4.0** out of **4.0**

Graduate Certificate in Finance and Health Management:

**May 2018:** Johns Hopkins School of Public Health, Baltimore, MD  
GPA: **4.0** out of **4.0**

Graduate Certificate in Health Communication:

**Dec 2017:** Johns Hopkins School of Public Health, Baltimore, MD  
GPA: **4.0** out of **4.0**

Graduate Certificate in Pediatric Dentistry:

**June 2016:** Rutgers, The State University of New Jersey, School of Dental Medicine, Newark, NJ  
GPA: **4.0** out of **4.0**

Master of Dental Science (MDS) with Honor:

**June 2016:** Rutgers, The State University of New Jersey, School of Dental Medicine, Newark, NJ  
GPA: **4.0** out of **4.0**

Bachelor of Dental Medicine and Surgery (BDS) with Honor:

**May 2012:** King Abdulaziz University (KAU), Jeddah-KSA  
GPA: **4.57** out of **5.0** | ECE GPA: **3.82** out of **4.0**

## Honors and Awards:

- Aug 2022 • Awarded the “College of Dentistry Community Service Gold Award”, IAU
- Jun 2022 • Her mentee awarded the 1<sup>st</sup> Place at the 2022 IAU Dental Interns Research Day, KSA
- Jan 2022 • Her mentee awarded the 3<sup>rd</sup> Place at the SIDC 2020 Hatton Competition Award, Riyadh, KSA
- Oct 2021 • Her mentee awarded the 1<sup>st</sup> Place at the 6<sup>th</sup> International Bahrain Dental Conference, Bahrain
- Oct 2021 • Her mentee awarded the 2<sup>nd</sup> Place at the 6<sup>th</sup> International Bahrain Dental Conference, Bahrain
- Jun 2021 • Her mentee awarded the 1<sup>st</sup> Place at the 2021 IAU Dental Interns Research Day, KSA
- Dec 2020 • Her mentee awarded the 8<sup>th</sup> Place at the 1<sup>st</sup> IADR Saudi Arabian Division Dental Research Symposium, KSA
- Sept 2020 • Awarded the “You Deserve Initiative” Award, IAU
- Jan 2020 • Awarded the First Place in the SIDC 2020 Graduate Dentist Research Award, Riyadh, KSA
- Jul 2019 • One of the Academy of Dental Materials Paffenbarger Award Finalists
- April 2019 • Awarded the 3<sup>rd</sup> Quarter Travel Award, Graduate Students Association, University of Maryland
- April 2019 • Awarded the 5<sup>th</sup> Stevens Conference on Bacteria-Material Interactions Travel Award
- May 2018 • Awarded the Delta Omega Public Health Honor, JHSPH
- Mar 2018 • Ranked the 2<sup>nd</sup> place in her group, the 40th Annual Graduate Research Conference, UMB
- Oct 2016 • Awarded with her team, the Best Program Planning for Health Behavior Change, JHSPH
- 2014-2019 • Recipient of King Abdullah Full-academic Scholarship
- 2014 • Recipient of the Dean’s Appreciation Award as a demonstrator, IAU
- May 2013 • Recipient of 2<sup>nd</sup> Degree Honor, KAU
- 2007-2012 • Recipient of the Dean's Award for Academic Excellence for five years, KAU
- 2011 • Awarded the 2<sup>nd</sup> place in the 3<sup>rd</sup> Medical Student Research Day, KAU
- 2006 • Recipient of Prince Abdulmajeed bin Abdulaziz Award for Academic Excellence
- 2006 • Ranked 1<sup>st</sup> in Saudi Arabia among High Schools’ Students with the Highest GPA (100%)
- 2005 • Awarded the 2<sup>nd</sup> place in the Saudi Mathematics Olympics

## Professional Record:

- Dec 2021 • Senior Registrar, Pediatric Dentistry, Saudi Commission for Health Specialties
- June 2016 • Passed the American Board of Pediatric Dentistry Qualifying Examination
- July 2013 • Professional Accreditation Certificate, Saudi Commission for Health Specialties
- June 2013 • Certificate of Completion of a One-year Internship Program, KAU
- 2011-Present • TEDx Certified Mentor, licensed from TED Organization
- 2011 • Certified Emergency First Responder, Emergency First Response Corp
- 2010-Present • TEDx Certified Organizer, licensed from TED Organization
- 2005 • “Neuro-linguistic Programming” Course, Saudi Science Club, Jeddah

### Work Experience:

- Jun-Aug 2022 • Summer Programs Director, (High School Students Program “Dental Pipeline Program”, Clinical Training Program and Research Program), College of Dentistry, IAU
- Dec 2021-Present • Senior Registrar, IAU Dental Hospital and Business Center, Dammam, KSA
- Sept 2020-Present • Assistant Professor, College of Dentistry, IAU
- Aug 2020-Present • Internship Program Director, College of Dentistry, IAU
- 2022-Present • Special Issue Editor, Multiple Scientific Journals
- 2020-Present • Reviewer, Multiple Scientific Journals: Coatings, Children, Medicina, Healthcare, Antibiotics, Materials, International Journal of Environmental Research and Public Health and Pharmacy
- June 2020-Aug 2020 • Acting Internship Program Director, College of Dentistry, IAU
- July 2013-Sept 2020 • Demonstrator, College of Dentistry, IAU
- May 2019-Aug 2019 • Summer Student Research Mentor, Summer Research Program, UMB
- Jan 2019-Dec 2019 • Selected Lab Manager, Dr. Mary Anne Melo’s Lab, UMB
- Jan 2019-Present • Under-graduate Students Research Mentor, UMB
- May 2018-Aug 2018 • Summer Student Research Mentor, Summer Research Program, UMB
- July 2015-June 2016 • Clinical Instructor, Pediatric Dentistry Department, Rutgers University
- July 2014-June 2016 • Pediatric Dental Resident, Rutgers University
- July 2013 • Volunteer, Quality & Development Unit, CD-DU
- Jan-June 2013 • Dental Intern, KAU
- Nov 2012-June 2013 • Students’ Advisor, Research School, KAU
- July 2012- June 2013 • Member, Scientific Committees, Research School, KAU
- Nov-Dec 2012 • Dental Intern, National Guard Hospital-Dental Department, Jeddah
- Sept-Oct 2012 • Dental Intern, King Fahad Hospital-Dental Department, Jeddah
- July-Aug 2012 • Dental Intern, King Fahad Armed Forces Hospital-Dental Department, Jeddah
- July-Aug 2010 • Summer Trainee, Saudi Aramco Summer Training Program-Dental Department
- July 2009 • Trainee, King Fahad Hospital-Dental Department, Jeddah
- Aug 2008 • Trainee, King Fahad Hospital-Dental Department, Jeddah
- Summer 2007-2008 • Volunteer Teaching Assistant, KAU

### Committee Membership:

- 2021-Present • Member in the International Association for Dental Research (IADR), USA
- 2019-Present • Member in the Academy of Dental Materials, USA
- 2019-Present • Member in the Society for Biomaterials, USA
- 2014-Present • Member in the American Academy of Pediatric Dentistry, USA
- 2010-2012 • Member in the Saudi Society of Oral & Maxillofacial Surgery, KSA
- 2010-2012 • Member in the Saudi Orthodontics Society, KSA
- 2009-Present • Member in the Saudi Dental Association, KSA
- 2008-2012 • Member in the World Assembly of Muslim Youth-Medical Section, KSA
- 2004-2009 • Member in the Saudi Science Club, KSA



#### Administrative Positions Held:

- Jun-Jul 2022 • IAU College of Dentistry and Dental Hospital Summer Programs Director, IAU, KSA
- Jun 2020-Present • Internship Program Director, College of Dentistry, IAU, KSA
- 2020-Present • Multiple Community Services Projects Supervisor, College of Dentistry, IAU, KSA
- 2022-Present • IADR-Saudi Arabian Division Board Member-Councilor, KSA

#### Scientific Publications (Not Including the On-going Research Projects):

#	Year	Publication
30	2022	Alzanbaqi, S.D., Alogaiel, R.M., Alasmari, M.A., Al Essa, A.M., Khogeer, L.N., Alanazi, B.S., Hawsah, E.S., Shaikh, A.M. and <b>Ibrahim, M.S.</b> , 2022. Zirconia Crowns for Primary Teeth: A Systematic Review and Meta-Analyses. International Journal of Environmental Research and Public Health, 19(5), p.2838.
29	2022	AlGhannam, M.I., AlAbbas, M.A.S., AlJishi, J.A., AlRuwaili, M.A., AlHumaid, J. and <b>Ibrahim, M.S.</b> , 2022. Remineralizing Effects of Resin-Based Dental Sealants: A Systematic Review of In Vitro Studies. Polymers, 14(4), p.779.
28	2021	<b>Ibrahim, M.S.</b> , Alabbas, M.A.S., Alsomaly, K.U., AlMansour, A.A., Aljouie, A.A., Alzahrani, M.M., Asseri, A.A. and AlHumaid, J., 2021. Flexural Strength, Elastic Modulus and Remineralizing Abilities of Bioactive Resin-Based Dental Sealants. Polymers, 14(1), p.61.
27	2021	Balhaddad, A.A., Xia, Y., Lan, Y., Mokeem, L., <b>Ibrahim, M.S.</b> , Weir, M.D., Xu, H.H. and Melo, M.A.S., 2021. Magnetic-Responsive Photosensitizer Nanoplatfrom for Optimized Inactivation of Dental Caries-Related Biofilms: Technology Development and Proof of Principle. ACS nano, 15(12), pp.19888-19904.
26	2021	Ellakany, P., Madi, M., Fouda, S.M., <b>Ibrahim, M.</b> and AlHumaid, J., 2021. The Effect of Parental Education and Socioeconomic Status on Dental Caries among Saudi Children. International Journal of Environmental Research and Public Health, 18(22), p.11862.
25	2021	<b>Ibrahim, M.S.</b> , Alibrahim, H., Al Madani, A., Alamri, A., Bamashmous, M. and Tounsi, A., 2021. Fear Factor in Seeking Dental Care among Saudis during COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 18(20), p.10589.
24	2021	Balhaddad, A.A., Garcia, I.M., Maktabi, H., <b>Ibrahim, M.S.</b> , Alkhubaizi, Q., Strassler, H., Collares, F.M. and Melo, M.A.S., 2021. Errors in light-emitting diodes positioning when curing bulk fill and incremental composites: impact on properties after aging. Restorative Dentistry & Endodontics, 46.

23	2021	Tounsi, A., Alammam, S., Almaflehi, N., Bamashmous, M., Al Madani, A. and <b>Ibrahim, M.S.</b> , 2021. Psychometric Validation of the Arabic Fear of Illness and Virus Evaluation. International Journal of Environmental Research and Public Health, 18(16), p.8529.
22	2021	Garcia, I.M., Balhaddad, A.A., Lan, Y., Simionato, A., <b>Ibrahim, M.S.</b> , Weir, M.D., Masri, R., Xu, H.H., Collares, F.M. and Melo, M.A.S., 2021. Magnetic motion of superparamagnetic iron oxide nanoparticles-loaded dental adhesives: physicochemical/biological properties, and dentin bonding performance studied through the tooth pulpal pressure model. Acta Biomaterialia.
22	2021	Maktabi, H., <b>Ibrahim, M.S.</b> , Balhaddad, A.A., Alkhubaizi, Q., Garcia, I.M., Collares, F.M., Strassler, H., Fugolin, A.P.P., Pfeifer, C.S. and Melo, M.A.S., 2021. Improper Light Curing of Bulkfill Composite Drives Surface Changes and Increases S. mutans Biofilm Growth as a Pathway for Higher Risk of Recurrent Caries around Restorations. Dentistry Journal, 9(8), p.83.
21	2021	Balhaddad, A.A., Garcia, I.M., Mokeem, L., <b>Ibrahim, M.S.</b> , Collares, F.M., Weir, M.D., Xu, H.H.K. and Melo, M.A.S., 2021. Bifunctional composites for biofilms modulation on cervical restorations. Journal of Dental Research, 100(10), pp.1063-1071.
20	2021	Garcia IM, Balhaddad AA, Aljuboori N, <b>Ibrahim MS</b> , Mokeem L, Ogubunka A, Collares FM and Melo de MAS, 2021. Wear Behavior and Surface Quality of Dental Bioactive Ions-Releasing Resins Under Simulated Chewing Conditions. Front. Oral. Health 2:628026. 10.
19	2021	AlShahrani, S.S., AlAbbas, M.A.S., Garcia, I.M., AlGhannam, M.I., AlRuwaiti, M.A., Collares, F.M. and <b>Ibrahim, M.S.</b> , 2021. The antibacterial effects of resin-based dental sealants: A systematic review of In vitro studies. Materials, 14(2), p.413.
18	2021	Garcia, I.M., Balhaddad, A.A., <b>Ibrahim, M.S.</b> , Weir, M.D., Xu, H.H., Collares, F.M. and Melo, M.A.S., 2021. Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. Dental Materials, 37(3), pp.e182-e193.
17	2020	Book Chapter: Balhaddad, A.A., <b>Ibrahim, M.S.</b> , Weir, M.D. and Xu, H.H., 2020. Antibacterial, pH Neutralizing, and Remineralizing Fillers in Polymeric Restorative Materials. In Designing Bioactive Polymeric Materials for Restorative Dentistry (pp. 199-223). CRC Press.
16	2020	Balhaddad, A.A., <b>Ibrahim, M.S.</b> , Garcia, I.M., Collares, F.M., Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. Pronounced Effect of Antibacterial Bioactive Dental Composite on Microcosm Biofilms Derived From Patients With Root Carious Lesions. Frontiers in Materials, 7, p.407.
15	2020	Balhaddad, A.A., AlQranei, M.S., <b>Ibrahim, M.S.</b> , Weir, M.D., Martinho, F.C., Xu, H.H. and Melo, M.A.S., 2020. Light energy dose and photosensitizer concentration are determinants of effective photo- killing against caries-related biofilms. International Journal of Molecular Sciences, 21(20), p.7612.



14	2020	AlSahafi, R., Balhaddad, A.A., Mitwalli, H., <b>Ibrahim, M.S.</b> , Melo, M.A.S., Oates, T.O., Xu, H.H.K., Weir, M.D., 2020. Novel Crown Cement Containing Antibacterial Monomer and Calcium Phosphate Nanoparticles. <i>Nanomaterials</i> , 10(10), 2001.
13	2020	Balhaddad, A.A., Garcia, I.M., <b>Ibrahim, M.S.</b> , Rolim, J.P., Gomes, E.A., Martinho, F.C., Collares, F.M., Xu, H. and Melo, M.A.S., 2020. Prospects on Nano-Based Platforms for Antimicrobial Photodynamic Therapy Against Oral Biofilms. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 38(8),pp.481-496.
12	2020	<b>Ibrahim, M.S.</b> , Balhaddad, A.A., Garcia, I.M., Hefni, E., Collares, F.M., Martinho, F.C., Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. Tooth sealing formulation with bacteria-killing surface and on-demand ion release/recharge inhibits early childhood caries key pathogens. <i>Journal of Biomedical Materials Research Part B: Applied Biomaterials</i> , 108(8), pp.3217-3227.
11	2020	Balhaddad, A.A., <b>Ibrahim, M.S.</b> , Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. Concentration dependence of quaternary ammonium monomer on the design of high-performance bioactive composite for root caries restorations. <i>Dental Materials</i> .
10	2020	Alamri, A., Salloom, Z., Alshaia, A. and <b>Ibrahim, M.S.</b> , 2020. The Effect of Bioactive Glass-Enhanced Orthodontic Bonding Resins on Prevention of Demineralization: A Systematic Review. <i>Molecules</i> , 25(11), p.2495.
9	2020	Leao, T.S., Tomasi, G., <b>Ibrahim, M.S.</b> , Conzatti, L., Marrone, L.P., Reynolds, M.A. and Gomes, M.S., 2020. Tooth loss is associated with atherosclerosis and a poorer functional outcome among stroke patients. <i>Clinical Oral Investigations</i> , pp.1-8.
8	2020	<b>Ibrahim, M.S.</b> , Garcia, I.M., Kensara, A., Balhaddad, A., Collares, F.M., Williams, M.A., Ibrahim, A.S., Lin, N.J., Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , p.103369.
7	2020	<b>Ibrahim, M.S.</b> , Garcia, I.M., Vila, T., Balhaddad, A.A., Collares, F.M., Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. <i>Biomaterials Science</i> .
6	2020	<b>Ibrahim, M.S.</b> , Balhaddad, A.A., Garcia, I.M., Collares, F.M., Weir, M.D., Xu, H.H. and Melo, M.A.S., 2020. pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. <i>Journal of Dentistry</i> , 97, p.103323.
5	2020	Garcia, I. M., Leitune, V. C., <b>Ibrahim, M. S.</b> , Melo, M. A. S., Faus Matoses, V., Sauro, S., & Collares, F. M. (2020). Determining the Effects of Eugenol on the Bond Strength of Resin-Based Restorative Materials to Dentin: A Meta-Analysis of the Literature. <i>Applied Sciences</i> , 10(3), 1070.
4	2019	<b>Ibrahim, M.S.</b> , Ibrahim, A.S., Balhaddad, A.A., Weir, M.D., Lin, N.J., Tay, F.R., Oates, T.W., Xu, H.H. and Melo, M.A.S., 2019. A Novel Dental Sealant Containing Dimethylaminohexadecyl Methacrylate Suppresses the Cariogenic Pathogenicity of <i>Streptococcus mutans</i> Biofilms. <i>International journal of molecular sciences</i> , 20(14), p.3491.
3	2019	Maktabi H, <b>Ibrahim M</b> , Alkhubaizi Q, Weir M, Xu H, Strassler H, Fugolin AP, Pfeifer CS, Melo MA. Underperforming light curing procedures trigger detrimental irradiance-dependent biofilm response on incrementally placed dental composites. <i>Journal of dentistry</i> . 2019 Apr.



2	2018	<b>Ibrahim, M.</b> , AlQarni, F., Al-Dulaijan, Y., Weir, M., Oates, T., Xu, H. and Melo, M., 2018. Tuning nano-amorphous calcium phosphate content in novel rechargeable antibacterial dental sealant. <i>Materials</i> , 11(9), p.1544.
1	2015	Yousef, M.K., <b>Ibrahim, M.</b> , Assiri, A. and Hakeem, A., 2015. The prevalence of oro-facial barotrauma among scuba divers. <i>Diving and hyperbaric medicine</i> , 45(3), pp.181-183.

Poster Presentations (Only when being the Presenter herself):

Time	Title	Conference/Event	Place
Oct 2019	Rechargeable Dual Function Dental Sealant Against Cariogenicity of <i>Streptococcus mutans</i>	The American Dental Materials Annual Meeting	Jackson Hole, Wyoming-USA
Aug 2019	Synthesis of Zinc-Nanoparticle Double Network Hydrogels. Allison Keyes, Maria Ibrahim, Abdulrahman Balhaddad, and Mary Anne Melo	The Annual 2019 Summer Research Program Poster Presentation	School of Dentistry University of Maryland, Baltimore (UMB)
Aug 2019	Establishing an Early Childhood caries-related Dual Species ex Vivo Model Using a CDC Biofilm Reactor. Renee Marin-Gomez, Maria Ibrahim, Abdulrahman Balhaddad, and Mary Anne Melo	The Annual 2019 Summer Research Program Poster Presentation	School of Dentistry University of Maryland, Baltimore (UMB)
Aug 2019	Scoping Review of Antibacterial Resin-based Restorative Dental Materials: Antibacterial Agents and Assessment Methodologies. Maria Salem Ibrahim, Sydnie Taylor and Mary Anne S. Melo	The Annual 2019 Summer Research Program Poster Presentation	School of Dentistry University of Maryland, Baltimore (UMB)
Aug 2019	Influence of Radiance Exposure (Re) on Color Stability of Dental Composites After One Year In vitro Aging. JR Wright, Abdulrahman Balhadad, Maria Ibrahim, and Mary Anne Melo	The Annual 2019 Summer Research Program Poster Presentation	School of Dentistry University of Maryland, Baltimore (UMB)
Aug 2019	The Effect of Chewing Simulation on Three Bioactive Pit and Fissure Sealants. Akudo Ogubunka, Maria Ibrahim, Abdulrahman Balhaddad, and Mary Anne Melo	The Annual 2019 Summer Research Program Poster Presentation	School of Dentistry University of Maryland, Baltimore (UMB)



Jun 2019	Dimethylaminohexadecyl Methacrylate in Dental Sealant Formulations Alters Cariogenic Pathogenicity of <i>S. Mutans</i> Biofilm. Ibrahim, M.S., Ibrahim, A.S., Balhaddad, A.A., Weir, M.D., Xu, H.H. and Melo, M.A.S.	The 5 <sup>th</sup> Stevens Conference on Bacteria-Material Interactions	Hoboken, NJ
May 2019	Dual Function Dental Sealant Containing Nano-amorphous Calcium Phosphate and Antibacterial Monomer Modulates <i>Streptococcus mutans</i> Biofilm. Ibrahim, M.S., Ibrahim, A.S., Balhaddad, A.A., Weir, M.D., Xu, H.H. and Melo, M.A.S.	The 13th Annual Nano-Bio Symposium	The Johns Hopkins Institute for NanoBio Technology
May 2019	Contact Killing and Acid Neutralizing Dental Composite against Dental Plaque in Vitro. Abdulrahman Balhaddad; Maria Ibrahim; Michael Weir; Hockin Xu; Mary Anne Melo.	The 13th Annual Nano-Bio Symposium	The Johns Hopkins Institute for NanoBio Technology
Apr 2019	Functionalizing a Dental Sealant with Nano-Amorphous Calcium Phosphate and Dimethylaminohexadecyl Methacrylate for Anti-carries Response	The Society of Biomaterials 2019 Annual meeting and Exposition, Seattle, WA-USA	Seattle, WA-USA
Mar 2019	Tooth Loss is Independently Associated with Carotid Atherosclerotic Burden and Worse Neurological Deficit Among Ischemic Stroke Patients. Leao, T.S.S., Tomasi, G.H., Ibrahim, M.S., Conzatti, L.P., Marrone, L.C.P., Reynolds, M.A., and Gomes, M.S.	The 41 <sup>st</sup> Annual Graduate Research Conference	University of Maryland
Aug 2018	In Vitro Assessment of The Effect of Artificial Saliva and Sodium Chloride Solutions on Calcium-Phosphate Ion Release	The Annual 2018 Summer Research Program Poster Presentation	School of Dentistry, University of Maryland
May 2018	Time Dependency Antibacterial Activity of Silver Diamine Fluoride on Dentin Caries-like Lesions	The 9th Annual Meeting of American Academy of Pediatric Dentistry	Hawaii, USA
May 2015	Cri du Chat Syndrome: A Review and a Case Report	The 6th Annual Meeting of American Academy of Pediatric Dentistry	Seattle, WA-USA
Mar 2015	Cri du Chat Syndrome: A Review and a Case Report	Dr. Michael P. Balbo Research and Exposition Day	Newark, NJ-USA



Jun 2014	Assessing Dental Students Personality Types at King Abdulaziz University Using Myers-Briggs Type Indicator (MBTI)	IADR/AMER General Session & Exhibition in	Cape Town, South Africa
Feb 2014	Assessing Dental Students Personality Types at King Abdulaziz University Using Myers-Briggs Type Indicator (MBTI)	UAE International Dental Conference & Arab Dental Exhibition– AEEDC 2014	Dubai-UAE
Oct 2013	Assessing Dental Students Personality Types at King Abdulaziz University Using Myers-Briggs Type Indicator (MBTI)	The 11 <sup>th</sup> Annual Dental Symposium	Khobar, KSA
Jun 2013	Assessing Dental Students Personality Types at King Abdulaziz University Using Myers-Briggs Type Indicator (MBTI)	The Annual Internship Research Day	KAU-FD, Jeddah-KSA
Feb 2013	The Percentage of Diabetic Patients among Oral Medicine Cases and the Relation between Diabetes and Oral Lesions- Retrospective Study at King Abdulaziz University-Faculty of Dentistry	The 5 <sup>th</sup> Dental Students' Scientific Meeting	Buraydah-KSA
Feb 2013	Assessment of Knowledge of Nutritional Needs of Head and Neck Cancer Patients at King Abdulaziz University Hospital	The 5 <sup>th</sup> Dental Students' Scientific Meeting	Buraydah-KSA
Mar 2012	The Prevalence of Orofacial Barotraumas among SCUBA Divers in Jeddah, Saudi Arabia	The Third International Conference of King Abdulaziz University Faculty of Dentistry	Jeddah-KSA
May 2010	Assessment of Knowledge of Nutritional Needs of Head and Neck Cancer Patients at King Abdulaziz University Hospital	The Annual Research Day	KAU-FD, Jeddah- KSA

Oral Presentations (as a Speaker or an Invited/Guest Speaker):

Time	Title	Conference/Event	Place
Jul 2022	Multiple Research Summer Program Seminars and Workshops	IAU College of Dentistry Summer Research Program	IAU, Dammam-KSA
June 2022	Silver Diamine Fluoride in Pediatric Dentistry	The Forth Saudi Bahraini Dental Conference	Alkhobar, KSA



June 2022	The Forth Pediatric Dentistry Residents Day- Research Posters	The Forth Pediatric Dentistry Residents Day	Riyadh, KSA
May 2022	Introduction to Meta-analysis	King Saud University (KSU), Postgraduate Programs	KSU, Riyadh, KSA
May 2022	Introduction to Systematic Reviews	Research Club- IAU College of Dentistry	IAU, Dammam-KSA
March 2022	Introduction and Literature Review	Postgraduates Research Day- IAU-College of Medicine	IAU, Dammam-KSA
Oct 2021	Shifting to Bioactive Dental Materials: The New Trend	The 6 <sup>th</sup> International Bahrain Dental Conference	Bahrain
Jul 2021	Common Dental Problems in primary Care	IAU-College of Medicine	IAU, Dammam-KSA
April 2021	Pediatric Dental Assessment	IAU-College of Nursing	IAU, Dammam-KSA
Mar 2021	Reflections on My Research	Annual Research Day-Prince Sattam Bin Abdulaziz University	Alkharaj, KSA
Dec 2021	How to Conduct a Systematic Review? Step by Step Workshop	IADR Saudi Arabian Division	Riyadh, KSA
Oct 2020	Fundamentals of Dental Biomaterials Research	KAU-Research Methods Course	KAU, Jeddah, KSA
Aug 2020	Sample Size Calculations and Applications	Internship Program	IAU, Dammam-KSA
May 2020	Postgraduate Education in North America: The Guide to Success	Saudi Commission for Health Specialties and Saudi Society of Restorative Dentistry	Online Webinar
Mar 2020	Development and Assessment of Dental a Bioactive Sealant	Research Seminar	IAU, Dammam-KSA



Jan 2020	Development and Assessment of Dental Sealants with Antibacterial and Remineralizing Properties	The Saudi International Dental Conference 2020	Riyadh-KSA
Jun 2019	Dimethylaminohexadecyl Methacrylate in Dental Sealant Formulations Alters Cariogenic Pathogenicity of S. Mutans Biofilm	The 2019 Summer Research Program	School of Dentistry, University of Maryland, Baltimore, MD-USA
April 2019	Functionalizing a Dental Sealant with Nano-Amor- phous Calcium Phosphate and Dimethylaminohexa- decyl Methacrylate for Anticaries Response	The Society of Biomaterials 2019 Annual meeting and Exposition, Seattle, WA-USA	Seattle, WA-USA
Mar 2019	Antibacterial Monomer in Dental Sealant Formulation Alters Cariogenic Pathogenicity of Streptococcus Mutans Biofilm	The 41 <sup>st</sup> Annual Graduate Research Conference	University of Maryland, Baltimore, MD-USA
May 2018	A Scoping Review of in Vitro Studies that Assessed the Effect of Incorporation of Antibacterial Agents in Resin-based Restorative Dental Materials on Cariogenic Bacteria	Capstone Project Presentations	JHSPH, Baltimore, MD-USA
Mar 2018	Immediate Mechanical Stability of New Dental Nano-sealant Formulations with Calcium and Phosphate Ions Recharge Properties	The 40th Annual Graduate Research Conference	University of Maryland, Baltimore, MD-USA
Mar 2017	Sports Activities and the Burden of Traumatic Dental Injuries”,	The Global Oral Health Seminar	Johns Hopkins School of Public Health, MD-USA
Jun 2016	How and Where to Search for the Programs that You Can Apply for?	Online Webinar	Gulf Dental Students and Young Dentists Association
May 2016	Retention of Zirconia Crowns for Primary Molar Teeth in Comparison to Stainless Steel Crowns: An in Vitro Study	The New Jersey Academy of Pediatric Dentistry Meeting	NJ-USA
Apr 2014	Autism and Oral Health	Dhahran Autism Center	Dhahran-KSA
Nov 2013	Introduction to EndNote; Reference Management Program	Workshop	CD-UD, Dammam-KSA



Nov 2012	Introduction to EndNote; Reference Management Program	Workshop	KAUFD, Jeddah-KSA
Oct 2012	How to Search Literatures Using Pubmed?	Workshop	KAUFD, Jeddah-KSA
Oct 2012	How to Use the Saudi Digital Library?	Workshop	KAUFD, Jeddah-KSA
Feb 2013	The Prevalence of Orofacial Barotraumas among SCUBA Divers in Jeddah, Saudi Arabia	The 5th Dental Students' Scientific Meeting	Buraydah-KSA
Jul 2012	The Prevalence of Orofacial Barotraumas among SCUBA Divers in Jeddah, Saudi Arabia	Lecture	King Fahad Armed Forces Hospital, Jeddah-KSA
Jul 2011	The Protocol of Neo-adjuvant Chemotherapy Followed by Concurrent Chemo-radiation in Nasopharyngeal Carcinoma: PNOG (Princess Norah Oncology Centre) Experience	Oral Presentation	King Abdullah International Medical Research Center, Jeddah-KSA
Dec 2012	The Percentage of Diabetic Patients among Oral Medicine Cases and the Relation between Diabetes and Oral Lesions- Retrospective Study at King Abdulaziz University-Faculty of Dentistry	Monthly Meeting	National Guard Hospital, Jeddah-KSA
May 2011	The Percentage of Diabetic Patients among Oral Medicine Cases and the Relation between Diabetes and Oral Lesions- Retrospective Study at King Abdulaziz University-Faculty of Dentistry	Oral Medicine Cases Day	Oral Medicine Division, KAU-FD, Jeddah-KSA



### Conferences, Courses and Workshops (Updated full list upon request):

- Jun 2022 • Invited Speaker, “The 4th Saudi Bahraini Dental Conference”, AlKhobar
- Jun 2022 • VIP Guest and Judge, “The 4th Pediatric Dentistry Residents Day”, Riyadh
- Feb 2022 • VIP Guest, AEEDC: the 26<sup>th</sup> International Dental Conference and Arab Dental Exhibition
- Jan 2022 • Attendee and Board Member, “The Saudi International Dental Conference 2022”, Riyadh-KSA
- Oct 2021 • Invited Speaker, “The 6<sup>th</sup> International Bahrain Dental Conference”, Manama-Bahrain
- Jan 2020 • Presenter, “The Saudi International Dental Conference 2020”, Riyadh-KSA
- Oct 2019 • Speaker, “Academy of Dental Materials Conference”, Wyoming, USA
- June 2019 • Presenter, “the 5<sup>th</sup> Stevens Conference on Bacteria-Material Interactions”, NJ, USA
- Dec 2017 • Attendee, “Nuts and Bolts of Monitoring and Evaluation Workshop”, Baltimore, MD, USA
- June 2017 • Attendee, “Systematic Reviews and Meta-Analysis”, Baltimore, MD-USA
- May 2015 • Attendee, “The 6th Annual Meeting of American Academy of Pediatric Dentistry”, Seattle, WA-USA
- Nov 2013 • Attendee, “The 11th Annual Dental Symposium: Dentistry in Saudi Arabia and Future Challenges, Dammam-KSA
- April 2013 • Attendee, “The 2nd International Quintessence Dental Arab Congress”, Riyadh-KSA
- Mar 2013 • Attendee, “The 4th Basic Surgical Training Program”, Riyadh Colleges of Dentistry and Pharmacy, Riyadh- KSA
- Feb 2013 • Attendee, the 5th Dental Students' Scientific Meeting, Qassim University, Buraydah-KSA
- Jan 2013 • Attendee, “Successful Scientific Writing” Course, King Abdullah International Medical Research Center, Jeddah-KSA
- Sept 2012 • Attendee, “Saudi Digital Library” Workshop, Medicine College, KAU, Jeddah-KSA
- Sept 2012 • Attendee, “UpToDate” Workshop, Medicine College, KAU, Jeddah-KSA
- Mar 2012 • Attendee, the Third International Conference of King Abdulaziz University Faculty of Dentistry, Jeddah- KSA
- Feb 2012 • Attendee, “Epidemiology and Health Research” Course, National Guard Residential City, Jeddah-KSA
- July-Aug 2011 • Attendee, Research Summer School; 6 Weeks Intensive Course on Clinical Research, King Abdullah International Medical Research Center, Jeddah-KSA

### Committee Membership:

- 2022 • Scientific Committee, AMER General Session and Exhibition and 3<sup>rd</sup> IADR Saudi Arabian Division Annual Meeting
- 2022 • IAU Pediatric Dentistry Fellowship Program Admission Committee
- 2021 • IAU BDS Program Admission Committee
- 2020-Present • Internship Program Committee
- 2020-Present • Academic Advisory Committee
- 2020-Present • Medical Record & Health Information Committee
- 2020-Present • Infection Prevention & Control Committee
- 2020-Present • Academic Accreditation Steering Committee
- 2020-Present • NCAAA Standards 3 and 4 Committee



#### Online Courses (Updated full list upon request):

- Mar 2016 • Completed an Online Course: “A Physician's Practical Guide to Culturally Competent Care”, USA
- July-Aug 2013 • Statement of Accomplishment: Case-Based Introduction to Biostatistics, an online course offered by Johns Hopkins University at Coursera.org
- Feb-March 2013 • Successfully completed; Stat2.1x: Introduction to Statistics: Descriptive Statistics, a course of study offered by BerkeleyX, an online learning initiative of University of California at Berkeley through edX
- Jan-March 2013 • Statement of Accomplishment: Fundamentals of Personal Financial Planning, an online course offered by University of California, Irvine at Coursera.org
- Oct 2012-Jan 2013 • Successfully completed: Health in Numbers: Quantitative Methods in Clinical & Public Health Research Course, HarvardX, an online learning initiative of Harvard University through edX

#### Leadership Experience:

- Jun-Jul 2022 • IAU College of Dentistry and Dental Hospital Summer Programs Director, IAU, KSA
- Jun 2020-Present • Internship Program Director, College of Dentistry, IAU, KSA
- 2020-Present • Multiple Community Services Projects Supervisor, College of Dentistry, IAU, KSA
- 2022-Present • IADR-Saudi Arabian Division Board Member-Councilor, KSA
- 2020-Present • IADR-Saudi Arabian Division Representative at IAU, KSA
- 2017-2019 • Mentor, UMB International Peer Mentorship Program, OIS, MD-USA
- 2016 • Co-chief Resident, Pediatric Dentistry Program, Rutgers School of Dental Medicine, NJ-USA
- 2014 • Event Mentor & Volunteers Coordinator, TEDxAlKurnayshSt, Khobar-KSA
- Nov 2013 • Speakers and VIPs Committee Leader, “The 11th Annual Dental Symposium: Dentistry in Saudi Arabia: Future Challenges”, Dammam-KSA
- 2012 • Co-leader of the organizing team, The 4th Medical Ambition Symposium, Jeddah-KSA
- 2011-2012 • Selected Member, KAU-Deans’ Consultation Committee, Jeddah-KSA 2010/2013: Host & Organizing Team-Leader, TEDxKAUFD I and II, Jeddah-KSA
- 2008-2011 • Class Leader of multiple courses, KAU-FD, Jeddah-KSA
- 2007-2010 • Selected Member, Students Consultation Committee, KAU-FD, Jeddah-KSA



### Activities:

- Jan 2019-Dec 2019 • Founder, Dental Biomaterials Journal Club, School of Dentistry-University of Maryland, MD-USA
- Mar 2017 • Organizer, “Admitted Student Visitors Day”, JHSPH, MD-USA
- Aug-Oct 2017 • Developer of a 13-episode Internet-based drama serial targeting sport-related traumatic dental injuries.
- Jan-May 2017 • Team Member, “Ease Your Eyes Campaign”: Program Planning, Implementation and Evaluation for Health Behavior Change, JHSPH, Baltimore, MD
- \Jan-May 2017 • Team Member, “Thrive, Don’t Text and Drive!”
- April 2017 • Program Planning for Health Behaviour Change, JHSPH, Baltimore, MD
- Nov 2013-April 2014 • Participant and Dental Advocate, The AAPD PAC’s Public Policy Advocacy Conference and Visit, Washington, DC-USA
- Nov 2013 • Volunteer, Continuous Education Committee, CD-DU, Dammam-KSA
- April 2013 • Organizer, “Nitrous Oxide: Uses, Pharmacology and Concerns” Workshop,
- Mar 2012 • Speaker: Dr. Bonnie Nelson, Dammam-KSA
- 2012-2014 • Volunteer, “The 2nd International Quintessence Dental Arab Congress”, Riyadh-KSA
- 2012-2014 • Organizer, Continuous Education Committee, the Third International Conference of King Abdulaziz University Faculty of Dentistry, Jeddah-KSA
- 2011 • Head of Editing Committee, “iTeeth” Voluntary Group 2012-2014: Member, Scientific Committee, “iTeeth” Voluntary Group 2011: Co-founder, “iTeeth” Voluntary Group
- Mar 2011 • Organizer, the Third Medical Ambition Symposium “Excellence in Medical Practice”, KSA
- 2008-2013 • Member in the United Hands Team for Medical Volunteering Works, Jeddah-KSA

### Teaching Activities:

Laboratory	Pre-Clinical Pediatric Dentistry	(PEDO 505)
Clinical	Comprehensive Pediatric Dentistry	(PEDO 606)
Research	Research Project	(RESCH 604)
Clinical	Clinical Pediatric Dentistry	(PEDO 514)
Field Trip and Research	Services Learning & IPE	(COMM 610)



Community Services (Updated full list upon request):

- Jun 2021-May2022 • Volunteer and Supervisor, Various Community Services Activities during the Academic Year 2021-2022 (186 Service Hours), IAU, Dammam, KSA
- Jun 2020- May 2021 • Volunteer and Supervisor, Various Community Services Activities during the Academic Year 2020-2021 (32 Service Hours), IAU, Dammam, KSA
- Sept 2017 • Volunteer, “President’s Day of Service”, Johns Hopkins University, Baltimore, MD
- April 2017 • Volunteer, “Day at the Market: Public Health Day”, Baltimore, MD
- Oct 2016 • Volunteer, “Fun Day and Oral Hygiene Facts”, Ronald McDonald House, Baltimore, MD
- Oct 2015-May 2016 • Volunteered Teacher, Newark Islamic Association and Community Center, NJ
- Oct 2015 • Volunteer, Day of Dignity: “Bring a Smile to a Neighbor in Need”, NJ-USA
- Sept 2015 • Volunteer, the Annual Fishing Derby for People with Disabilities, NJ-USA
- May 2015 • Volunteer, the Annual Oral Cancer Screening Day, Rutgers School of Dental Medicine, NJ
- April 2015 • Volunteer, the Annual Oral Screening Day at the Hospital, the State University of New Jersey, Newark, NJ-USA
- April 2015 • Volunteer, the Health Fair at Calvary Lighthouse Church, Lakewood, NJ-USA
- Mar 2015 • Volunteer, the Three Winners Event, Boston, MA-USA
- Sept 2014 • Volunteer, the Annual Fishing Derby for People with Disabilities, NJ-USA
- Dec 2012 • Organizer, World Disability Day, National Guard Hospital, Jeddah-KSA
- Dec 2012 • Organizer, Diabetes Campaign, King Fahad Research Center, KAU, Jeddah-KSA
- 2012 • Organizer, World Diabetes Day, National Guard Hospital, Hada AlSham-KSA
- Nov 2012 • Organizer, World Diabetes Day, National Guard Hospital, Jeddah-KSA
- Nov 2012 • Organizer, World Diabetes Day, National Guard Hospital, Jeddah-KSA
- Nov 2012 • Organizer, World Children’s Day, National Guard Hospital, Jeddah-KSA
- Sept 2012 • Volunteers’ Leader, World Oral Health Day, King Fahad Armed Forces Hospital, KSA
- Aug 2010 • Leader of the Organizing Team, Volunteering Works Campaign, AlKhobar-KSA
- 2010-2012 • Co-founder, “Small Things Matter” Group for volunteering works, KSA
- 2008-2011 • Volunteer, Saudi Red Crescent Authority in the Holy Mosque, Makkah-KSA