# Sawsan Tabbaa

# CURRICULUM VITAE

**PERSONAL INFORMATION:**

**Office Address:**

**1- EDUCATION**

| | |
|---|---|
| 2015 | American Board of Orthodontics (ABO) Certification (renewed) |
| 2011 | Evidence-Based Dentistry (EBD) Champion and ADA Reviewer. |
| 2009 | Alexander Discipline Educator, Alexander Foundation, Orthodontic Research & Education, Arlington, TX |
| 2006 | American Board of Orthodontics (ABO). USA. |
| 2004 | Certificate in Orthodontics, State University of New York (SUNY) at Buffalo, Buffalo, NY. |
| 1997 | M.S., Master of Oral Sciences, SUNY at Buffalo, NY. |
| 1997 | Certificate, Temporomandibular Disorders and Orofacial Pain (TMD) SUNY at Buffalo, Buffalo, NY. |
| 1987 | B.S., Arabic and Islamic Studies, Damascus, Syria. |
| 1986 | Certificate in Orthodontics. Orthodontics, Damascus University, Syria |
| 1983 | D.D.S. Degree, School of Dental Medicine, Damascus University, Syria |

**2-STATE LICENSURE:**

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| 2016 | Florida Dental Law Exam/ Florida Dental Teaching Permit. |
| 08/2009- Present | Dental License, New York State Education Department, Dentistry |

**3-INTERNATIONAL LICENSURE:**

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| 1986 | Ministry of Health, Syria, Orthodontic |
| 1985 | Ministry of Health, Syria, General Dentistry |

4-**SPECIALTY BOARD:**

American Board of Orthodontics (ABO), 2015-2025

American Board of Orthodontics (ABO), 2006-2011

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**7-PUBLICATIONS:**

**Publications:**

2021 Sawsan Tabbaa; Olivia D'Angeloa; Anadel Ramirez-Baez; Youssef Toubouti and Wesam B Darawsheh. "The Importance of Smile in Life, Comparing Different Generation's Opinions Questionnaire". The Journal of the American Dental Association (JADA). (*Submitted*)

2021 Wesam Darawsheh. Sawsan Tabbaa. Michel Justice and Megan Bewernitz. "Contextual Factors Shaping Resettlement Experiences of Syrian Refugees". Canadian Journal of Occupational Therapy. (*Submitted/Pending Review*).

2021 Nick Kelley, Sawsan Tabbaa, Grant C. Vezina, Tarek El-Bialy. "Cone Beam Computed Tomography Analysis of the Relationship between the Curve of Spee and the Collum Angle of Mandibular Anterior Teeth". The Journal of Contemporary Dental Practice (2021): 10.5005/jp-journals-10024-3102 (*accepted*)

2021 Wesam B. Darawsheh. Sawsan Tabbaa, Megan Bewernitz & Michael Justiss. "Resettlement Experiences of Syrian Refugees in the United States: Policy Challenges and Directions". Journal of International Migration and Integration. 28 June 2021. DOI: https://doi.org/10.1007/s12134-021-00855-9.

2021 H Y A. Marghalani, G Guan, P Hyun, S Tabbaa, A I Linjawi, T Al-Jewair. "Relationship between mandibular symphysis dimensions and skeletal pattern in adults". Folia Morphol (Warsz). 2021 May 6. DOI: https://doi.org/10.5603/fm.a2021.0045

2021 Matthew Swan, Sawsan Tabbaa, Peter Buschang, Youssef Toubouti, Rehana Bashir. "Correlation between adolescent orthodontic quality of life and ABO Discrepancy Index in an orthodontic treatment-seeking population: A cross-sectional study". J Orthod' 2021 Apr 21;14653125211007498. DOI: https://doi.org/10.1177/14653125211007498

2021 Brady C. Okuda. Sawsan Tabbaa. Michelle Edmonds. Youssef Toubouti. Humam Saltaji. Direct-to-Consumer Orthodontics: "Exploring Patient Demographic Trends and Preferences". American Journal of Orthodontics & Dentofacial Orthopedics (AJO-DO). ORIGINAL ARTICLE| VOLUME 159, ISSUE 2, P210-216.E2, FEBRUARY 01, 2021. DOI: https://doi.org/10.1016/j.ajodo.2019.12.024

2020 Johnson, Davilliar, Block,Tabbaa, Lockhart and Dusek (SAO Green Team Leadership Project 2019). What's in it for Us? Millennial Engagement in Organized Orthodontics. SAO News June 2020. Quarter 2, P15-18.

2020 MA Karami, MA Bani-Hani, S Tabbaa. Device and Method for Accelerating Orthodontic Treatment Using Mechanical Vibrations - US Patent App. 16/495,475, March 2020.

2019 Dr. Riley Dyer and Dr. Sawsan Tabbaa. General Population Knowledge about the Orthodontic Profession and Factors Affecting Potential Practitioner Selection. Southern Association of Orthodontists News. October 2019.

2019 Cassandra B.Pogal-Sussman-Gandia. Sawsan Tabbaa. ThikriatAl-Jewair. Effects of Invisalign® treatment on speech articulation. International Orthodontics. Volume 17, Issue 3, September 2019, Pages 513-518. https://doi.org/10.1016/j.ortho.2019.06.011

84. Tabbaa and Elias. Facial Soft Tissue Analysis of Williams Syndrome Patients. IADR/AADR/CADR 2021.

83. Alsafar, Bou Mechrek, Terkawi. Toubouti, Shahrour and Tabbaa. Oral Health Characteristics among Displaced Northwestern Syrians Using ICD-10 Diagnostics. IADR/AADR/CADR 2021

82. Musicaro, Vezina, Aras and Tabbaa. Accuracy & Reliability of Polyvinylsiloxane Impression by Patient & Provider, compared using Digital Scans. American Association of Orthodontists (AAO) 2021.

81. Mohammed, Tabbaa, and Buschang. A Comparative Assessment Between Hand-Wrist Maturation, Cervical Vertebral Maturation, Association of Orthodontists Foundation (AAOF) Craniofacial Growth Legacy Collection. American Association of Orthodontists (AAO) 2021.

80. Greenberg, Vezina, Aras, Tabbaa and Toubouti. Orthodontic Analysis and Treatment Planning Using Visual Approximation of Untraced Lateral Cephalograms and Intraoral Photos. American Association of Orthodontists (AAO) 2021.

79. Fredal, Tabbaa and Toubouti. Evaluation of root length following Invisalign© and conventional fixed appliances: including case complexity and treatment time. American Association of Orthodontists (AAO) 2021.

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78. Bussey; Tabbaa and Toubouti. Outcome Assessment for Non-Extraction Treatment of Ectopic

37. AlAmri*, Othman, Buschang, & Tabbaa. Orthodontic Treatment Duration Among Different Ethnic Groups. E-poster Abstract Submitted to the American Association of Orthodontists (AAO) 2018.

36. Zamani, Zhang & Tabbaa. An Objective Assessment of the American Board of Orthodontics (ABO) Discrepancy Index (DI) categories and its relationship with treatment length in a graduate orthodontic clinic. E-poster Abstract Submitted to the American Association of Orthodontists (AAO) 2018.

35. Luttrell, Othman, Zhang & Tabbaa. Does Orthodontic Treatment Improve a Patient's Quality of Life? E-poster Abstract Submitted to the American Association of Orthodontists (AAO) 2018.

34. Asiri, Farill, Tabbaa & AlArabi. How well orthodontists and/or laypeople can differentiate between smiles of varying width? E-poster Abstract Submitted to the American Association of Orthodontists (AAO) 2018.

33. Tabbaa, Palmer, Aljewair, & Mang. Orthodontic Adhesive Clean-Up Methods: Introducing and Evaluating Erbium Laser Technique. V. Poster Abstract Submitted to the American Association of Dental Research (AAO) 2018.

32. Hamdallah, K., Othman, E., Alarbi, M., and Tabbaa, S. "The Esthetic perception, acceptability, and economic value of Orthodontic appliances by laypeople". American Association of Orthodontists (AAO) 2017

31. Levin, Z., Cristiana, A., Farill, JJ., Swigler, and Tabbaa, S. "Acceptability of Nasolabial Angle (NLA) Change by Orthodontic Patients". American Association of Orthodontists (AAO) 2017

30. Garrison, DB., Farill Guzman, JJ, Sheridan, JJ., and Tabbaa, S. "Comparative in Vitro Analysis of Enamel Damage after Debonding Ceramic vs. Metallic Brackets" American Association of Orthodontists (AAO) 2017

29. Rezaie, M., Tabbaa, S., Alarbi, M., and Ouellette, P. "Applying Black American Cephalometric Norms to American Board of Orthodontics' Discrepancy Index (ABODI)" Abstract Submitted to the American Association of Orthodontists (AAO) 2017

28. Yadegari, A., Tabbaa, S., and Ouellette, P. "Adult Patients' Pre-Treatment Acceptance of Increased Costs to Reduce Orthodontic Treatment Time". Abstract Submitted to the American Association of Orthodontists (AAO) 2017

27. Al-Jewair, T; Abdul, J; Tabbaa*, S; and Chang, E (2017) "Adolescents' Upper-Airway and Hyoid-Bone Changes following Class II Functional Treatment" IADR/AADR/CADR (March 2017)

26. Badri, M. Tabbaa, S. Othman, E., and Lee, M. "Prediction of Impacted Maxillary Canines Prognosis". PCSO, 2016

25. Asiri, S. Faril-Guzman, J., and Tabbaa, S. "How Well Orthodontists and Laypeople Can Differentiate Between Smiles of Varying Width". Southern Association of Orthodontists (SAO). 2016.

24. Mang., T.S. Palmer, J. Al-Jewair, T. Tabbaa, S. Erbium Y4.4(0.001o.8d1o..00ni)3.1(um)-24.4( 18.3(y)16( )-12.1(C)-2.9(

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22. Alshebly M, Preston CB, AlKharsa S, Tabbaa S (2016) “A Comparison of the Treatment Effects of the 3D Bimetric Distalizing Arch (3D-BMDA) and Forsus Fatigue Resistant Device (FRD) In Patients with Class II Malocclusion (A Cephalometric Study)” American Association of Orthodontists (AAO) Annual Session 2016

21. Hanoun A, Al-Jewair T, Tabbaa S, Allaimouny A, Preston CB (2014) “A Comparison of the Treatment Effects of the Forsus™ Fatigue Resistance Device and the Twin Block Appliance in Patients with Class II Division I Malocclusions” American Association of Orthodontists (AAO) Annual Session 2015

20. Tabbaa, S. Raineri, K. Ali, M. Stellrecht, E, Prevalence of Health Complications Resulting from Tongue Piercings: A Systematic Review. AADR/IADR (March 14, 2015)

19. Hyun, P. Tabbaa, S. Preston, C. B. (submitted October 2013). Patient Compliance with Orthodontic Removable Retainers: A Pilot Study. American Association of Orthodontists (AAO) Annual Session 2014

18. Bowman A, Saltaji H, Floris-Mir H, Tabbaa S. (May 2013) Patient Experiences with the Forsus Device American Association of Orthodontists (AAO) Annual Session.

17. Tabbaa, S. (May 2012) Obesity Prevalence in The Orthodontic Patient Population. American Association of Orthodontists (AAO) Annual Session, 112th Annual Session

16. Al Amiri, A., and Tabbaa S. (March 2012) Study of the Prevalence of Dental Anomalies Among Orthodontic Patients. The American Association of Dental Research (AADR)

15. Allaymouni A, Sawan N, Tabbaa S (May 2011) Skeletal and Dentoalveolar Changes Following Maxillary Expansion Using NiTi Coil Springs: A Randomized Clinical Trial, American Association of Orthodontists (AAO) Annual Session.

14. Gordon R, Tabbaa S, Almawaldi I and Preston C. (May 2011) Lips and Peri-Oral Soft Tissue Segments: A Proposed Classification Method. American Association of Orthodontists (AAO) Annual Session

13. Kassas, W., and Tabbaa S. (May 2011) Assessment of Invisalign Treatment Outcome by Model Analysis Using the ABO Objective Grading System. American Association of Orthodontists (AAO) Annual Session

12. Panko N, Al Jewair, TS, Tabbaa S, Preston C. (March 2011) Evaluation of Skeletal Asymmetry in Patients with Posterior Crossbites. Journal of Dental Research (JDR)

11. Tabbaa MY, Tabbaa S. (March 2010) Maxillary Morphology in Obstructive Sleep Apnea Patients, Journal of Dental Research (JDR). Abst 89.

10. Tabbaa S, Preston C. (May 2009) A Curriculum Model Design for Research Program, leading to a Master of Science Degree in Orthodontics, during Three Years Postdoctoral Orthodontics Residency Education (R-PORE), American Association of Orthodontics (AAO) 109th Annual Session.

9. Almawaldi I, Tabbaa S, Preston C. (May 2009). Evaluation of Maxilla and Mandible Skeletal Transverse Dimension Using 3D Images, A Pilot Study, American Association of Orthodontists (AAO) 109th Annual Session

8. Tabbaa S, Guigova I, Preston C. (2005) Midline Diastema Caused by Tongue Piercing, American Association of Orthodontists (AAO). Annual Session. San Francisco, CA.

7. Tabbaa S, et al. (January 2001). In Vivo Gene Transfer to The Brain Cortex Using Single Injection of HSV-1 Vector into The Medial Septum. Society for Neuroscience 751

6. Tabbaa S, Goulah, C, Peng, H, Bloom, DC, Stachowiak, MK. (January 2000). Selective Gene Therapy Method for Brain Disease: In Vivo Transfer. Journal of Dental Research (JDR), 79 (S.I.) Abst 3058

5. Tabbaa S, Goulah, C, Tran, R, Torres, G, Horowitz, JM, Bloom, DC, Stachowiak, MK. (September 1999) In Vitro and In Vivo Gene Transfer into Neural Cells Using HSVI and PEI. Polish Neuroscience Society

4. Tabbaa S, Pentney, R. (January 1998). Effect of Ethanol on Dendritic Spines During Normal Aging in Fischer 344 Rats. Journal of Dental Research (JDR) 77(SI) Abst 1492

3. Boulos W, Darwishe A, Shibly O, Ciancio SG, Chalabi O, Tabbaa S (January 1997). Effect of Antibiotics on the Treatment of Rapidly Progressive Periodontitis, Journal of Dental Research (JDR) 76 Abst 1767

2. Shibly O, Nashef MF, Andreana S, Ciancio SG, Kharchaf MO, Tabbaa S (January 1996). Comparison of Manual and Automated Probing of Attachment Loss, Journal of Dental Research (JDR) 75 Abst 1541

1. Shibly O, Ciancio SG, Tabbaa S (March 1994). New Technique to Measure The Volume Of The Furcation Involvement, Journal of Dental Research (JDR). 73. Abst114.

**Dissertation/Thesis**

Tabbaa S (1997) the Effect of Ethanol on Dendritic Spines During Normal Aging.

Tabbaa S (1984) Basics of Immunology in Oral Diseases

Tabbaa S (1983) Metabolism of Alveolar Bone

**Publications-non-refereed:**

2011 Tabbaa S. et al (2011) Caring Across Cultures and Belief Systems, Resource Guide, Pastoral Care Department, Roswell Park Cancer Institute Publications.

2010 Tabbaa S. (September 2010) Cover page patient photo American Journal of Orthodontics and Dentofacial Orthopedics (AJODO), 138(3)

2009 Tabbaa S. (October 2009) Case of the month published on North East Society of Orthodontics (NESO): http://neso.org/education/archives-case-of-the-month.aspx

2009 Tabbaa S. (January 2009) University of Buffalo News Northeastern Society of Orthodontists (NESO) Newsletter, 15-16

2008 Tabbaa S. (July 2008) First case of the month published on North East Society of Orthodontics (NESO): http://neso.org/education/archives-case-of-the-month.aspx

2005 Tabbaa S. (September 2005) Research Diagnostic Criteria for Temporomandibular Disorders RDC/TMD: http://www.rdc-tmdinternational.org/TMDAssessmentDiagnosis/RDCTMD/Translations/Arabic.aspx

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| 04/2008, 05/2008, 11/2008, 06/2009 | Wilckodontics Seminars Meeting, Fast Orthodontics, Guest Speaker, Erie, PA |
| 05/2009 | |

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| 3/5/2019 | Women's Day Lecture. Jacksonville. Fl. |
| 2/23/2019 | Lecture to Refugee, Raising Children in America. Tampa, Fl. |
| 2017 | Give Kids A Smile Presentations (GKAS) at local Community Center, Refugee gathering & elementary Schools. Jacksonville. Florida. |
| 2/22/2016 | Speaker, Roswell Park Cancer Institute, Caregiver Education, Buffalo, NY |
| 5/7/2014 | ECMC, Hosted by ECMC's Nurse Recognition and ECMC's Ethics Committees, In honor of Nurse's Week Facilitated by the Network of Religious Communities, "Exploring Religious Diversity in Healthcare" |
| 3/2/2014 | 13th Annual Understanding Islam Series, jointly sponsored by Muslim Public Affairs |

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| 02/2004 | "Professional Couples of Abrahamic Religion (Judaism, Christianity, Islam) Discuss Marriage, Divorce, and their Relationships According to their Faith, as Well as in Practice" Panel discussion presenter at Hilbert College, Hamburg. |
| 01/ 2004 | "Islam and Education" presentation for the Annual Banquet of the Islamic Women Organization. Blasdell, New York, USA. |
| 11/2003 | "Muslim Women: Changing Roles in the US", presentation at the Uniterian Universalist Church. Amherst, NY. |
| 09/2003 | Presenter at the panel discussion by Professional Women of Western New York, Hilbert College, Hamburg, NY. |
| 09/2003 | "Women of the Muslim Faith", presentation. American Muslim Council-western New York Chapter and Buffalo Niagara World Connect. |
| 06/2003 | Feast of Faith and interfaith women group "A CELEBRATION OF WOMEN FOR PEACE AND JUSTICE, THE MADRES OF THE PLAZA DE MAYO (a dramatic reading). Church of the Latter Day Saints, Amherst, NY. |
| 02/2003 | Hilbert College, Hamburg, NY, Women History Month Panel Discussion |
| 11/2002 | "Islam as seen by Muslim Women", panel discussion, speaker & moderator International Education Week 2002, UB Student Union. NY. |
| 02/2002 | "Women's leadership Role in the 21st Century "A Religious Conversation", Panel presenter for the Network of religious Communities Annual Meeting & religious conversation. Buffalo. NY. |
| 02/2005 | WKBW TV channel 7. "CHALLENGE FOR THE 21ST CENTURY", Presenting "Orthodontic and Oral Health care education for the Public". Buffalo. NY. |
| 11/2003 | Workshop presenter at the St Matthew's United Church of Christ, Sponsored by the congregations of the United Church of Christ and Disciples of Christ in Western New York. Hamburg, NY. |
| 11/2002 | Roswell Park Cancer Institute, End of Life Issue, Panel presenter for the Clergy/Caregiver Luncheon at, Buffalo, NY, |
| 11/2002 | Kaleidoscope Broadcast. TV program interview for WGRZ TV, Buffalo, NY. |
| 06/2002 | "In Process." TV Program interview at WIVB channel 4 studios with Rev. Dr. G. Stanford Bratton. Network of Religious Communities. Buffalo. NY. |
| 04/ 2002 | "The Many Faces of God." Speaker, inter-religious dialogue, Christ the King Seminary. East Aurora. NY. |
| 04/ 2002 | Speaker, Inter-religious Trialogue at the Mercy Center. Buffalo, NY. |
| 03/ 2002. | Panelist at Women of Afghanistan Community Panel, PEACE Coalition. YWCA at Buffalo. NY. USA. |
| 10/ 2001 | "Women of cover" front page interview, Life and Arts section, The Buffalo News. USA. |

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| 2011 | Founder of 99 Donation Club to Support Islamic school |
| 2015- 2019 | |

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| 2011 | Contributing Editor, Caring Across Cultures and Belief Systems, Resource Guide, Pastoral Care Department, Roswell Park Cancer Institute Publications. |
| 2010 | Speaker, Burmese Women ‘s Health Fair, Buffalo, NY. |
| 3/2009 | Buffalo News Interview “Muslim-American Women Reaching out”. |
| 2009 -- 2016 | Smile Day, SUNY at Buffalo Volunteer, School of Dental Medicine, St Mary's School for the Deaf, Universal School. |
| 2008 - | Principal, Board President for AnNoor Weekend School of the Islamic Society of Niagara Frontier (ISNF). |
| 2005 | Presenter, Impressions of Life in Western New York, Torch Club, Buffalo, NY |
| 2002 – 2010 | Board Member, Universal School Academy, Buffalo, NY |
| 2002 -- 2004 | Education and Accreditation Committee Member, Universal School Academy, Buffalo, NY. |
| 2002 | Panel Member, Women of Afghanistan Community Panel, PEACE Coalition |
| 1992- 2000 | Volunteer Teacher, at AnNoor Week End School of the Islamic Society of Niagara Frontier (ISNF). |

**University Service (Jacksonville University):**

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| 2020- Current | JU Academic Diversity Council: Confronting Systemic Racism Sub-committee |
| 2016- Current | JU BRCHS Research Group |
| 2017- 2020 | School of Orthodontics Faculty Search Committee |
| 2017- 2020 | Academic Integrity Council |
| 2017- 2020 | BRCHS Curriculum Committee |

**University Service (SUNY at Buffalo):**

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| 9/2014 | 20 Years of Service, SUNY at Buffalo, Buffalo, NY |
| 09/2013 -- 2014 | Member, UB Employees Campaign for the Community, SUNY at Buffalo. |
| 6/2011 -- 2015 | Board Member, Faculty Senate, Dental School Representative, SUNY at Buffalo. |
| 2011 | Judge, UB Annual Post-Doctoral Research Symposium Judging Committee. |
| 2011 | Judge, Sigma Xi Research Competition poster judge, SUNY at Buffalo. Buffalo. |
| 2008 – 2016 | Marching Faculty, SUNY at Buffalo Commencement |

2006 -- 2007 Member of the Planning Committee for the 14th Dalai Lama's historic visit to the State University of New York at Buffalo.

2002 -- Present Committee Member, Department of Pastoral Care, Roswell Park Cancer Institute

**School of Dental Medicine Service (SDM):**

2015 -- 2016 Chair of Voting Faculty Council, SDM SUNY at Buffalo. Buffalo. NY.

2014 -- 2015 vice Chair for Voting Faculty Council, SDM SUNY at Buffalo. Buffalo. NY.

09/2013 -- 2014 liaison, Department of Orthodontics, UB Employees Campaign for the Community, SUNY at Buffalo. Buffalo

2011-- 2016 Guest Lecturer, Continuing Dental Education (CDE), CE Cafe 'Lecture Series.

2011-- 2016 Associate Member, Graduate Faculty of the University at Buffalo

2010 -- 2016 Judge, Admissions Committee for the International Dentist Program (IDP).

2010 – 2016 Member, Faculty Awards Committee, SDM SUNY at Buffalo. Buffalo. NY.

2010 -- 2016 Presenter, Senior Banquet Orthodontics and Craniofacial Award, SUNY at Buffalo, School of Dental Medicine

2009 -- 2016 Marching Faculty, School of Dental Medicine Commencement, SUNY at Buffalo

09/2007 -- 2016 Judge, Post-Doctoral Orthodontics Admissions Committee Member, SDM SUNY at Buffalo

**11-RESEARCH GRANTS**

- Align 2020 Research Grant Award **($24,977)** Received for research project tiltied: "Thermal Effect of Orthodontic Curing Light". Dr. Sawsan Tabbaa PI, JU SOO and Dr. Fatih Aydogan

- Soft Tissue Analysis of Fetal Alcohol Syndrome (FAS) and Williams Syndrome Patients and Their Deviation from Normal (DB#2615), Source of the funding: Saudi Cultural Center, Co-Principal Investigator, the amount: $66,000, 11/2010-12/2011

**12-RESEARCH PROJECTS:**

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| 2020-Present | "Bullying and Dentofacial Features". IRB# 2020-040. PI |
| 2020-Presnt | "Thermal Effect of Orthodontic Curing Light". PI, research project with Dr. Aydogan (Engineering). IRB # 2021-011. |
| 2019-Present | "Orthodontist VS DYI Orthodontics" Related research projects series. |
| 2019-2020 | "The importance of smile in life, comparing different generation's opinions." Research project with JU under grad student Miss D'Angelo. IRB #2019-077. PI. |
| 2018-2019 | Co-Researcher/Personnel, Occupational Therapy Research project titled: "The Experiences of Occupational Deprivation and Coping among Syrian Refugees in Jordan and The USA as Host and Resettlement Contexts." |
| | IRB# 2018-060. Board, Ref# 2018-060. Dr. Darawsheh et al. |

Role of personnel in project (consenting, data collection, any interaction with human subjects):

On-site Language Reviewer (ensures the soundness of translation from Arabic to English). Assist in communicating with potential research sites and securing their approval to conduct the research. Following-up with the proceedings of the research and assist with emergent issues related to data collection, analysis and writing-up.

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| 2018 | "Anterior Open Bite Malocclusions in Adults: Recommendations, Treatment and Stability" (National Dental PBRN) Prospective review of records / data. IRB# 2015-45 (JU PI). |
| 2016 | "You First Dry mouth/ Lubricant study", ongoing project. |
| 06/2013 – 2016 | Systematic Review. EBD. |
| 06/2012 -- 2016 | Educational Research, Teachings Cephalometric |
| 05/2012 -- current | Researchers' Guide to AAOF Legacy Collection |
| 04/2011 -- 05/2015 | Obesity Prevalence in the Dental School Patient Population, HSIRB Project # ORT 0250211E |
| 01/2011 -- 01/2015 | Obesity Prevalence in the Orthodontics Patient Population in the School of Dental Medicine at SUNY at Buffalo HSIRB, Project # ORT0230111E |
| 11/2010 -- 11/2012 | Soft Tissue Analysis of Fetal Alcohol Syndrome (FAS) and Williams Syndrome |

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| 07/2010 -- 06/2015 | A Comparative Cephalometric Study of Craniofacial Patterns of Syrian Children with Down‘s Syndrome. HSIRB Project # ORT0210610E |
| 06/2010 -- 06/2015 | Detection of External Apical Root Resorption and Root Angulation in Orthodontic Patients treated with Invisalign Clear Aligners, HSIRB Project # ORT0170610E. |
| 06/2010 -- 06/2012 | Maxilla and Mandible Skeletal Transverse Dimension Using 3D Images, A Pilot Study, HSIRB Project # ORT0180610E. |

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| 2016- Present | ORTH 637 Evidence-Based Diagnostic Seminar V. JU. BRCHS. School of Orthodontics. Fl. |
| 2016- Present | ORTH 644 Evidence-Based Diagnostic Seminar VI. JU. BRCHS. School of Orthodontics. Fl. |
| 2016- Present | ORTH 733 Evidence-Based Diagnostic Seminar VII. JU. BRCHS. School of Orthodontics. Fl. |
| Fall 2017 | ORTH 641 Orthodontic Literature Review IV ABO prep. JU. BRCHS. School of Orthodontics. Fl. |
| 2009 – 2016 | CLD950/Contemporary Interdisciplinary Patient Care Seminar, Post Graduate, Course Director, SDM SUNY at Buffalo. |
| 2008 – 2016 | ODS820/Intro Diagnostic Imaging, Guest Lecturer for Dental Students. SDM SUNY at Buffalo. |
| 2005 -- 2016 | ORT843/Orthodontic Seminar/clinic 1, SDM SUNY at Buffalo. |
| 2005 – 2016 | ORT844/Orthodontic Seminar/clinic 2, SDM SUNY at Buffalo. |
| 2005 -- 2016 | ORT911/ Orthodontic Seminar 1, Post Graduate, Course Director, SDM SUNYAB |
| 2005 -- 2016 | ORT915/Application of Research Methods, Post Graduate, Course Director, SDM SUNY at Buffalo. |
| 2005 -- 2016 | ORT941/Diagnosis & Treatment Planning, Post Graduate, Course Director, SDM SUNY at Buffalo. |
| 2005 -- 2016 | ORT959/Journal Club, Post Graduate, Course Director, SDM SUNY at Buffalo. |
| 1999 -- 2009 | ANA 811 Neuroanatomy 1st Year Dental Students Lecture and Lab, Cranial Nerves Exam. SDM SUNY at Buffalo. |

## 14-ADVISEMENT

**Post-Graduate Student Mentoring:**

## AS A MAJOR PROFESSOR:

***Jacksonville University Residents' MSD Major Professor:***

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| 2020-Present | Dr. A. Milani. "Comparison of Soft tissue changes in Class II Division I malocclusion with excessive overjet treated with distalization vs. maxillary first premolar extraction" IRB# TBD. |
| 2020-Present | Dr. A. Ahmar. "Extraction criteria based on crowding/mandibular plane angle and lower incisor inclination" IRB# TBD. |

2018-2020 Dr. Serge Bou Meshrek. Oral Health Characteristics Among Displaced Population of Northwestern Syrians Using ICD-10 Diagnostic Criteria. (SEMA- IRB# 2020-1).

2018-2020 Dr. A. Ramirez Baez. The Importance of Smile in Life, Comparing Different Generation's Opinions Questionnaire. IRB # 2019-077.

2018-2020 Dr. T. Fredal, Evaluation of root length following Invisalign and conventional.

fixed appliances: including case complexity and treatment time, IRB #2019-058

2018-2020 Dr. Bussey, Outcome assessment for non-extraction treatment of ectopically erupted maxillary canines via comprehensive orthodontic treatment involving palatal expansion in permanent vs. mixed dentition. IRB #2019-048.

2018-2020 Dr. N. Amini. Correction of Deep Bites Using Clear Aligners. Dr. Amini. IRB #2019-047. PI.

2017-2019 Dr. N. Kelley. Master of Science in Dentistry (MSD). The Relationship Between the Curve of Spee and the Collum Angle of Mandibular Anterior Teeth Using Cone Beam Computed Tomography (CBCT). IRB #2019-006. Was selected for the American Association of Orthodontist **(AAO) 2020 Residents' Award.**

2017-2019 Dr. Ibraheem Bamaga. Master of Science in Dentistry (MSD). The Effect of The Mandible "unlocking" in Class II Div II Patients on The AP Growth of The Mandible A Cephalometric Study. IRB # 2017-052

2017-2019 Dr. Thomas Gardner. Master of Science in Dentistry (MSD). Layperson Perception of Nasolabial Angle (NLA) Changes with Non-Extraction Vs Extraction Orthodo2.2(odo2p2.9(ur).1( Te4.2( )]T

2016-2018 Dr. William Dyer. General Population Knowledge about the Orthodontic Profession and Factors Affecting Potential Practitioner Selection. IRB# 2017-050. **Awarded and published at SAO newsletter.**

2016-2018 Dr. John Houston. Master of Science in Dentistry (MSD). Detection of External Apical Root Resorption and Root Angulation in Orthodontic Patients Treated with Invisalign®. IRB# 2017-054.

2016-2018 Dr. Hyun Kang. Analysis of Current Status of Foreign Trained Dentist (FTD) in the United States of America. IRB# 2017-044.

2016-2018 Dr. Julia Lipkin. Master of Science in Dentistry (MSD). The incidence of white spot lesion formation among patients treated with Invisalign. IRB# 2017-045.

2016-2018 Dr. Aaron Khaira. Comparison of patient's acceptance of increased costs to reduce orthodontic treatment time in adolescent patients: pre-treatment vs. post treatment. IRB# 2017-071.

2016-2018 Dr. Nicholas Ng. 2016-2018 Dr. Skeletal and Dental classification based on ABOTc 0.01(r)-11001 Tc .1(Tct)-1.1(a)r7(O)-7

2016 Dr. Maryam Rezaie, “Comparison of ABO-DI score between Black and White Americans with class I malocclusion when cephalometric ethnic norms are incorporated”

2016 Dr. Alexander Yadegari, “Adult Patients Pre Treatment acceptance of Increased Costs to Reduce Ortho Treatment Time”

***SUNY at Buffalo Resident’ MS Major Professor:***

2013 – 2016 Dr. Nour Allahham, Post-Doctoral, Master of Science (MS), *“Comparison of the Mandibular Anterior Repositioning Appliance (MARA) and the Crown Herbst appliance in treatment of class II malocclusion”* Major Professor

2013 – 2016 Dr. Hamad Saeed Alqahtani, Post-Doctoral, Master of Science (MS), *“Reproducibility of cervical vertebrae maturation method”*

2010 -- 2011 Dr.

2016-2018 Dr. Yanis Romero. Master of Science in Dentistry (MSD). Patients' preference for orthodontic retainers: Essix, Hawleys, and Fixed Retainers.

2016-2018 Dr. Ayman Suliman. The Effect of The Mandible "unlocking" in Class II Div II Patients on The AP Growth of The Mandible. A Cephalometric Study

2016- 2018 Dr. Alia Addas, Master of Science in Dentistry (MSD). *"Prevalence of White Spot Lesions in Different Socioeconomic Status"*

2016-2017 Dr. Fateh Arsalan, Master of Science in Dentistry (MSD). *"Prevalence of White Spot Lesions in Different Ethnic Groups"*

2016-2017 Dr. Kaveh Baharvand, Master of Science in Dentistry (MSD). "Prediction of The Lip Response in Class I Adolescents and Adults Treated Non-Extraction"

2016- 2017 Dr. Skeletal and Dental classification Based on ABO Standards.

2016- 2017 Patients and Orthodontic Residents Priorities for Compromised Treatment Outcomes

2016 Dr. Soseh Zamani, "An Objective Assessment of the American Board of Orthodontics (ABO) Discrepancy Index (DI), and Objective Grading System (OGS)".

2016 Dr. Hussain Albinhaji, "Incidence of white spot lesions after orthodontic treatment with fixed Appliance at JUSO".

***SUNY at Buffalo Residents' MS Committee Member:***

2013 – 2016 Dr. Huiyan Guan, Post-Doctoral, Master of Science (MS), Different Materials Scaffolds with BMP2 Gene-modified Mesenchymal Stem Cell (MSC) for Bone Regeneration. Committee member.

2013 -- 2015 Dr. John Anthony Palmer III -- Post-Doctoral, Master of Science (MS), A2016 6.1( P)2.4(a)-12.3(l)3.1(m)-2
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2012 -- 2013 Thikriat Al-Jewair -- Post-Doctoral, Master of Science (MS), Treatment Effects of the Edgewise Mandibular Anterior Repositioning Appliance (MARA) in Patients with Class II Malocclusions: A Cephalometric Study. Committee Member

2011 -- 2013 Douglas Olson -- Post-Doctoral, Master of Science (MS), the Effect of MX1- CRE Mediated RGS12 Conditional Knockout on the Mouse Submandibular Gland. Committee Member

2011 -- 2012 Eva Maria Moll -- Post-Doctoral, Master of Science (MS), Treatment Effect of the Twin

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| 2028 | Cunat Orthodontics Symposium, Buffalo, NY. |
| 2018 | Leadership Seminar, Florida Association of Orthodontists (FAO), Tampa, Fl. |
| 05/2017 | **Writing & Designing NSF Workshop, JU** Office of Research, Jacksonville, Fl. |
| 3/3-5/2017 | **Florida Association of Orthodontists (FAO)** 77th Annual Session, Tampa, Fl. |
| 03/2017 | **Leadership Seminar,** Florida Association of Orthodontists (FAO), Tampa, Fl. |
| 09/2016 | **Faculty Career Enrichments in Orthodontics (FACES)**, Research Skills Workshop West Palm Beach, Fl. |
| 2016 | Mindfulness Moments for Stress Reduction CTL lunch and learn workshop/seminar series. JU FL |
| 2016 | |

05/2012 A Non-Invasive 4-Dimentional Imaging System for Jaw Tracking, an Oral Diagnostic Sciences Seminar, Speaker, Mark D. Lauren Research Director-Great Lakes Orthodontics, SUNY at Buffalo, NY

04/2012 New-conn Orthodon BTJ 639uff[(, Suf9(Y)]TJ(al)3.1(2( N)-14.9(Yg. T)-125Tw 5.06 0 Td ( )Tj 084C /P

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| 04/2010 | **New-Conn** Orthodontic Foundation 23rd Biennial Growth Seminar; Extraction vs, Arch Development: New Approaches to an Old Dilemma |
| 02/2010 | Excellent Dental Photography, SUNY at Buffalo |
| 01/2010 | **HSIRB** Researcher Training, SUNY at Buffalo, NY |
| 01/2010 | **UB Clickers** Training, SUNY at Buffalo, NY |
| 11/2009 | **CBCT** Software Training, SUNY at Buffalo, NY |
| 11/2009 | The Dental Professional ‘s Role in Tobacco Use Prevention and Cessation: Commitment or Cop-out? Speaker, Alan Blum, MD, Buffalo |
| 11/2009 | Clinician Treating Tobacco Dependence: Available Resources to Assist Your, Patients to Quit Roswell Park Cancer Institute |
| 10/2009 | **Greater Buffalo Niagara Dental** Meeting, Buffalo Convention Center (when possible) |
| 09/2009 | Worlds Clinical N5.4(t)-6.ion Ceent3e 9 / |

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| 03/2002 | Symposium on Women Gender, IREWG Gender in the New Millennium, University at Buffalo, "In Vivo Gene Transfer to the Brain Cortex Using Single Injection of HSV-1 Vector into the Medial Septum |
| 02/2002 | **Moyers** Symposium: Clinical Orthodontics and Information Tech., University of Michigan, Ann Arbor, MI |
| 03/2000 | Student Research Day, School of Dental Medicine, SUNY at Buffalo |
| 11/1999 | from GENE to STRUCTURE, FUNCTION and to MALADY, 1st Interdisciplinary Neuroscience Research Day |
| 10/1999 | Society for Neuroscience, 29th Annual Meeting, Miami Beach, FL |
| 10/1999 | Quantitative RNA Techniques Workshop, Penn State University |
| 1999 | Graduate Student Research Day, University at Buffalo, Department of Oral Biology, SUNY at Buffalo, NY |
| 1999 | Interdisciplinary Health Research Forum, Department of Social and Preventive Medicine, SUNY at Buffalo, NY |
| 1999 | Advanced PCR Techniques Workshop, SUNY at Buffalo, NY |
| 1998 | TMD & Orofacial Pain. Case-Based Problem Solving, Continuing Dental Education, SUNY at Buffalo, NY |
| 1998 | Tenth Annual Buffalo Conference on Microbial Pathogenesis, SUNY at Buffalo, NY |
| 08/1996 | Teaching Assistant Workshop, Graduate School, SUNY at Buffalo |
| 1996 | Pedodontics and Orthodontics: The Issues. Continuing Dental Education, School of Dental Medicine, SUNY at Buffalo |
| 1996 | Bad Breaths: Causes and Cure, Continuing Dental Education, School of Dental Medicine, SUNY at Buffalo |
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