

# Curriculum Vitae

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**Scopus ID** 16940666700

## Education

2015 MSc, Leadership in Medical Education, Royal College of Surgeons, Ireland, UK and UoS

1998 Post-doctoral Fellowship, Royal Victoria Hospital, Montreal, Canada

1997 Ph.D. Oral Biology, Department of Oral Biology, Faculty of Dentistry, McGill University, Montreal, Canada

1996 Canadian Board Examination, Clinical I, Montreal, Canada

1995 Canadian Board Examination, Written, Montreal, Canada

1990 Dentistry, D.D.S., Damascus University

## Awards and Academic Distinctions

2015	Annual Faculty Incentive Award in Teaching	University of Sharjah, UAE
2011	Annual Faculty Incentive Award in Community Services	University of Sharjah, UAE
2010	Medical Research Grant	Sheikh Hamdan Bin Rashid Al Maktoum Award for Medical Sciences, UAE

2009	Annual Faculty Incentive Award in Teaching	University of Sharjah, UAE
2009	Third winner of poster presentation	16 <sup>th</sup> International Dental Congress of Turkish Dental Association
2007	Fellow of the International College of Dentists (FICD)	International College of Dentists Washington (USA)
1998	Young Investigator Award	American Society of Bone and Mineral Research (ASBMR)
1998	Travel Award	ASBMR-IBMS San Francisco
1998	Research Fellowship	Royal Victoria Hospital Fellowship
1996	Biennial Research Award	Dentistry Canada Fund Canadian Dental Association

### **Academic and Job Positions**

January-Sep 2016	<b>Acting Dean</b>	College of Dental Medicine, University of Sharjah
2015-now	<b>Professor</b> <i>Histology and Cell Biology</i> <i>Oral Histology</i>	College of Dental Medicine, University of Sharjah
2007-now	<b>Head of Department</b> <i>Oral and Craniofacial</i> <i>Health Sciences</i>	College of Dental Medicine, University of Sharjah
2009-now	<b>Head of Internship &amp; Residency Program</b>	College of Dental Medicine, University of Sharjah
2005-2015	<b>Associate Professor</b> <i>Histology and Cell Biology</i> <i>Oral Histology</i>	College of Dentistry, University of Sharjah
2011-2015	<i>History of Medicine</i>	College of Dentistry, University of Sharjah
2005-2015	<b>Stream coordinator</b> <i>Human Biology 3</i> <i>Dental Health Sciences 2</i>	College of Dentistry, University of Sharjah
2004-2005	<b>Associate Professor</b> <i>Histology and Cell Biology</i>	Faculty of Dentistry, Ajman University of Science and Technology (AUST)

### *Oral Histology*

2004-2005	<b>Senior Professor</b> Post-Graduate MFDS program <i>Lectures in Oral Biology</i>	The Royal Collage of Surgeons in Ireland & Faculty of Dentistry/AUST
2003-2005	<b>Head of Department</b> <i>Basic and Medical Sciences</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2003	<b>Deputy Dean</b> <i>Abu Dhabi Campus</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2001	<b>Head of Department</b> <i>Basic and Medical Sciences</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2005	<b>Course Coordinator</b> <i>Oral Histology</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2003	<b>Course Coordinator</b> <i>Oral and Dental Diseases Research Project</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2003	<b>Assistant Professor</b> <i>Histology and Cell Biology Oral Histology Oral and Dental Diseases Research Project</i>	Faculty of Dentistry, Ajman University of Science and Technology
1999-2001	<b>Assistant Professor</b> <i>Biology</i>	Department of Biomedical engineering, Ajman University of Science and Technology
1996-1997	<b>Instructor</b> <i>Medical Histology</i>	Faculty of Medicine McGill University
1994-1996	<b>Teaching assistant</b> <i>Functional Histology</i>	Faculty of Medicine McGill University

### **Research Positions and Experience**

2008-2010	Member of Advisory Board Advances in Medical & Dental Sc.	The American-Eurasian Network for Scientific Information (AENSI)
2001-2005	Supervision of research project for graduating students	Faculty of Dentistry, AUST
1997-1998	Post-doctoral Fellow	Calcium Research Laboratory, Royal Victoria Hospital, Montreal, Canada

1995-1996	Laboratory Instructor for <i>Training in Morphological and Immunohistochemical Technique</i>	National Research Council-Biomedical Research Institute and Merck Frosst Canada Inc
1995-1996	Laboratory Instructor for Summer Project Students	Department of Anatomy and Cell Biology, Faculty of Medicine, McGill University

## **Research Skills**

- Histological processing of tissues, Epon, Paraffin, Frozen, Ultrathin Frozen section
- Electron Microscopic technique and utilization
- Immunohistochemistry techniques, Immunoperoxidase, Immunofluorescence, Immuno-gold
- *In Situ* Hybridization technique.

## **Research Interests**

- Oral & Maxillofacial Development
- Bone and Teeth histology and pathology.
- Oral Health
- Oral Cancer
- Prevention of common oral diseases.
- Ameloblast and Osteoclast cell biology.
- Parathyroid & Thyroid hormones effect on bone biology and pathology.
- Dental & Health Professions Educational Research.

## **Research Grants**

The Effects of Dokha Smoking on Health in UAE Population. Al Jalila Foundation AJF2018014 Dubai, UAE January 2019- June 2021, 300,000 Dirham Principle Investigator.

Local production of bone substitute for bone grafting applications in medical, oral and craniofacial surgery. UoS Targeted Research Grant, 2018-2020, 200,000 Dirham, Co-investigator.

Proteomic profiling of whole un-stimulated saliva obtained from type II diabetic patients with periodontitis. Applied for research fund in collaboration with Oral Biology Department, University of Malaya 2010.

Quantitative Analysis of Mercury Burden in the Waste Water released from the Dental Clinics in UAE. Sheikh Hamdan Bin Rashid Al Maktoum Award for Medical Sciences. Award # MRG-18/2007-2008

Analysis of Mercury Burden in the Waste Water released from the Dental Clinics in Sharjah, UAE. Seed grant from College of Graduate Studies & Research, University of Sharjah # 061002

The Impact of Dental Education on Changing Oral Health Behavior among Selected Students of Sharjah University. Oral Health Group research grant from College of Graduate Studies & Research, University of Sharjah 2006-2008.

## **Publications**

1. Talaat, Aryal, **Al Kawas**, Samsudin, Kandile, Harding, Ghoneim, Zeiada, Jagal, Aboelnaga, Haider. Nanoscale thermosensitive hydrogel scaffolds promote the chondrogenic differentiation of dental pulp stem and progenitor cells; a minimally invasive approach for cartilage regeneration. **International Journal of Nanomedicine**. *In press 2020*.
2. **Al Kawas**, Al-Rawi, Talaat, Hamdoon, Salman, Al Bayatti, Jerjes, Samsudin. Post COVID-19 Lockdown: Measures and Practices for Dental Institutes. **BMC Oral Health Journal**, *Accepted October 2020*.
3. Khalaf, El-Kishawi, Moufti, **Al Kawas**. Introducing a comprehensive high-stake online exam to final year dental students during the COVID-19 pandemic and evaluation of its effectiveness. **Medical Education Online 2020**, VOL. 25, 1826861  
<https://doi.org/10.1080/10872981.2020.1826861>
4. Khalaf K, El-Kishawi, Mustfa SH, **Al Kawas S**. Effectiveness of Technology-Enhanced Assessment of Undergraduate Preclinical Dental Skills: A Systematic Review of Randomized Controlled Clinical Trials. **BMC Medical Education: 20:286**  
<https://doi.org/10.1186/s12909-020-02211-4>
5. El-Kishawi, Khalaf, Al-Najjar, Seraj, **Al Kawas**. Rethinking Assessment Concepts in Dental Education. **International Journal of Dentistry** accepted 3/10/2020.
6. Al Qabbani, Wahby, Hasan, Samsudin, **Al Kawas**, Clinical and Radiological Evaluation of Sinus Membrane Osteogenicity Subsequent to Internal Sinus Lifting and Implant Placement. **The Journal of Craniofacial Surgery (2020) 31(3)**, e233-e236.
7. Sulaiman, Salman, Saber-Ayad, Alzubaidi, Hussein, **Al Kawas**, Elrishmawy, Perspectives and Readiness of Medical and Health Sciences Students for Interprofessional Education in a Gulf University; a mixed methods study. *Journal of Interprofessional Care* Submitted.
8. AlQahtani, Ghiasi, Zahiri, Rahmani, Abdullah, and **Al Kawas S**, Self-medication for oral health problems among adults attending the University Dental Hospital, Sharjah, **Journal of Taibah University Medical Sciences (2019) 14(4)**, 370-375  
<https://www.sciencedirect.com/science/article/pii/S1658361219300794?via%3Dihub>
9. Al-Marzooq F, Al Bayat SH, Sayyar F, Ishaq H, Nasralla H, Koutaich R, and **Al Kawas S**, Can probiotic cleaning solutions replace chemical disinfectants in dental clinics? **Euro J Dent, 12 (4):532-539, 2018**.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6178676/>

10. Al Qabbani A, **Al Kawas S**, Enezei H, A Razak NH, Al Bayatti Wahby S, Samsudin R, Ab Hamid S, Biomechanical and radiological assessment of immediate implants for alveolar ridge preservation, **Dental Research Journal**, **15 (6): 420-429, 2018.**  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6243806/>
  
11. Al Qabbani A, **Al Kawas S**, A Razak NH, Al Bayatti SW, Enezei HH, Samsudin R Ab, Hamid S, Three-Dimensional Radiological Assessment of Alveolar Bone Volume Preservation Using Bovine Bone Xenograft. **The Journal of Craniofacial Surgery**, **29 (2): e203–e209, 2018.**  
[http://journals.lww.com/jcraniofacialsurgery/Abstract/publishahead/Three\\_Dimensional\\_Radiological\\_Assessment\\_of.95968.aspx](http://journals.lww.com/jcraniofacialsurgery/Abstract/publishahead/Three_Dimensional_Radiological_Assessment_of.95968.aspx)
  
12. **Al Kawas S**, Chiego's Essential of Oral Histology and Embryology; A clinical Approach **Text-book**, First MEA Edition, **Elsevier 2017**. ISBN: 978-0-7020-7549-0.
  
13. Seraj Z, Al Najjar D, Akl M , Aladle N, Altijani Y, Zaki A, **Al Kawas S**, The Effect of Chewing Ability and Number of Teeth on Cognitive Function of Elderly in UAE: A Pilot Study. **International Journal of Dentistry 2017**, Volume 2017, Article ID 5732748, 6 pages <https://doi.org/10.1155/2017/5732748>
  
14. Al Qabbani A, A Razak A, **Al Kawas S**, Wahby S, Samsudin R. The efficacy of immediate implant placement in extraction sockets for alveolar bone preservation: A clinical evaluation using 3D CBCT and RFA value. **The Journal of Craniofacial Surgery**, **28(4): 318-325, 2017.**
  
15. **Al Kawas S**, Hamdy H. Peer-assisted Learning Associated with Team-based Learning in Dental Education. **Health Professions Education**, **3 (1): 38-43, 2017.**  
<http://dx.doi.org/10.1016/j.hpe.2016.08.003>
  
16. Taalat W, Haider M, **Al Kawas S**, Kandil N, Harding D, Chitosan-Based Thermosensitive Hydrogel for Controlled Drug Delivery to the Temporomandibular Joint. **The Journal of Craniofacial Surgery**, **27 (3): 735-740, 2016.**
  
17. Al-Rawi N, Al-Khateeb H, Rajoub L, El-Sayed M, Naji R, Youssef R, **Al Kawas S**, Work Related Musculoskeletal Pain among Different Dental Specialists in United Arab Emirates. **The Journal of Contemporary Dental Practice**, **2016; 17(8): 639-644.**
  
18. Taalat W, AlRozzi B, **Al Kawas S**, Sleep medicine education and knowledge among undergraduate dental students in Middle East universities. **CRANIO: The Journal of Craniomandibular & Sleep Practice**, **34 (3):163-168, 2016. DOI: 10.1179/2151090315Y.0000000019**  
[10.1179/2151090315Y.0000000019](https://doi.org/10.1179/2151090315Y.0000000019)
  
19. Taalat W, Al Bayatti S, **Al Kawas S**, CBCT Analysis of Bony Changes Associated with Temporomandibular Disorders. **CRANIO: The Journal of Craniomandibular & Sleep Practice**, **34 (2): 88-94, 2016. DOI: 10.1179/2151090315Y.0000000002**  
<http://dx.doi.org/10.1179/2151090315Y.0000000002>

20. Rahman B, **Al KAWAS S**, Al Zubidi E, Abdel OE, Hawas N, Comparative anti-plaque and anti-gingivitis effectiveness of a tea tree oil mouth wash and a cetylpyridinium chloride mouthwash-a randomized controlled crossover study. **Contemporary Clinical Dentistry**, 5 (4): 466-470, 2014.
21. **AL KAWAS S**, Quantitative analysis of mercury burden in the wastewater released from dental clinics in the United Arab Emirates. **Hamdan Medical Journal**, 6:191–196, 2013.
22. Rahman B, Hawas N, Rahman M, Rabah A, **Al KAWAS S**, Assessing dental students' knowledge of oral cancer in the United Arab Emirates. **International Dental Journal**, 63: 80-84, 2013.
23. Rahman B; **Al KAWAS S**. The relationship between dental health behavior, oral hygiene and gingival status of dental students in the United Arab Emirates. **European Journal of Dentistry**, 7 (1): 22-27, 2013.
24. Al-Rawi N, **Al KAWAS S**, Imad O, Public awareness and attitude toward oral cancer screening in United Arab Emirates. **J International Dental and Medical Research**, 5 (3): 149-154, 2012.
25. **Al KAWAS S**, Rahim Z, and Ferguson DB, Potential uses of human salivary protein and peptide analysis in the diagnosis of disease. **Archives of Oral Biology**, 57 (1): 1-9, 2012.
26. **Al KAWAS S**, Abu Ghazzi, and Suliman, Knowledge and oral health awareness about diabetes among college population in United Arab Emirates: A pilot study. **World Journal of Medical Sciences**, 6 (1): 1-5, 2011.
27. Al-Rawi NH, Al-Samarai M, **Al KAWAS S**, Majeed A, Expression of matrix metalloproteinase MMP-2 and its tissue inhibitor TIMP-2 in Intraoral pleomorphic adenoma and adenoid cystic carcinoma. **J International Dental and Medical Research**, 4 (1): 1-6, 2011.
28. Fakhruddin KS and **Al KAWAS S**, Prevalence and etiological factors related to dental injuries amongst 18-22-year-olds in United Arab Emirates. **Dental Traumatology**, 26: 296-300, 2010.
29. Mustafa EA and **Al KAWAS S**, The effect of Gallium-Arsenide laser irradiation on odontogenesis. **J International Dental and Medical Research**, 3 (2): 52-56, 2010.
30. AL-Rawi N, Husam O, and **Al KAWAS S**, Immunohistochemical Analysis of P 53 and bcl-2 in benign and malignant salivary glands tumors. **Journal of Oral Pathology & Medicine**, 39: 48-55, 2010.
31. AL-Rawi N, **Al KAWAS S**, Younis W, Immunolocalization of the cell adhesion molecules ICAM-1 & VCM-1 in pyogenic Granuloma. **Advances in Medical and Dental Sciences**, 3: 92-97, 2010.

32. Baron J, Steel L, **Al KAWAS S: Case Study book chapter on E-learning. Book title: Cases'n Places: Global Cases in Education Performance Technology, Chapter 4: 59-74, 2010.**
33. **Al KAWAS S** et al., A comparative study of oral health attitudes and behavior between dental and medical students and impact of dental education in United Arab Emirates, **Journal of International Dental and Medical Research, 3 (1): 6-10, 2010 .**
34. **Al KAWAS S**, Warshawsky H: Ultrastructure and Composition of Basement Membrane Separating Maturation Stage Ameloblasts from Enamel. **Archives of Oral Biology, 53(4): 310-317, 2008.**
35. **Al KAWAS S** et al., Analysis of Mercury in Wastewater of some Dental Clinics in United Arab Emirates. **Journal of International Environmental Application & Science, 3 (1): 21-28, 2008.**
36. **Al KAWAS S: Cell Death (APOPTOSIS). Journal of Ajman University Network of Science and Technology, 9 (1): 98-108, 2004.**
37. **PANDA, Al KAWAS, SELDIN, HENDY, GOLTZMAN: 25-Hydroxyvitamin D1 $\alpha$ -Hydroxylase: Structure of the Mouse Gene, Chromosomal Assignment, and Developmental Expression. Journal of Bone and Mineral Research, 16(1): 46-55, 2001.**
38. Miao D, Niu M, **Al KAWAS S**, Mckee MD, Hui C.C, Henderson J, Goltzman D: Distinct skeletal abnormalities in Gli2 $^{-/-}$  and Gli3 $^{-/-}$  deficient mice. **Journal of Bone Mineral Research, 14(1): SU102, S457, 1999.**
39. **Al KAWAS S**, Bolivar I, Canaff L, Hendy G.N., Goltzman D: Cell-specific Expression of the RET Receptor Tyrosine Kinase, and its Ligand in Normal, Hyperplastic and Adenomatous Parathyroid Glands. **Journal of Bone Mineral Research, 23(5): S568, SA173, 1998.**
40. **Al KAWAS S**, Wang D, Malynowsky L, Cheng L, Hui C.C, Goltzman D, Henderson J.E: The Combined Loss of Gli2 and Gli3 Function Results in Failure to Develop Trabecular Bone in The Tibiae of Mutant Mice. **Journal of Bone Mineral Research, 23(5): S200, 1212, 1998.**
41. Jankowski M, Hajjar F, **Al KAWAS S**, Mukaddam S, Hoffman G, McCann SM, Gutkowska J: Rat Heart: A Site of Oxytocin Production and Action. **Proc.Natl.Acad.Sci.USA 95:14558-14563, 1998.**
42. **PANDA, Al KAWAS, Bolivar, GOLTZMAN: Cell specific and developmental expressions of the 25-Hydroxyvitamin D  $\alpha$ -Hydroxylase in murine bone and kidney. Journal of Bone and Mineral Research, 23(5): S262, T253, 1998.**
43. **Al KAWAS S: A Comparative Study of Maturation Processes in Enamel and Bone in the Rat. Ph.D. Thesis, McGill University, 1997.**



44. **Al KAWAS S**, Amizuka N, Bergeron JM, Warshawsky H.: Immunolocalization of the Cation-Independent Mannose 6-Phosphate Receptor and Cathepsin B in the Enamel Organ and Alveolar Bone of the Rat Incisor, **Calcified Tissue International**, **59:192-199, 1996.**

### **Conference and Poster Presentations**

1. El Kishawi M, **Al Kawas S**. Application of reinvestment theory in dental education. International Education of Dental Association (IADR), Vancouver, Canada June 2019.
2. Al Marzooq, **Al Kawas**, Al Bayat, Sayyar, Ishaq, Nasralla, Koutaich. Infection Control in The Dental Clinics: Probiotic-Based Cleaning as an Alternative to Chemical Disinfection University of Sharjah. **Journal of Infection and Public Health**, **12(1):128, 2019.**
3. **Al Kawas S**. Human Face Development and Abnormalities. The 6th Emirati-German Congress in Medicine & Dentistry, University of Sharjah, UAE, **18 November 2018.**
4. **Al Kawas S**. Team Based Learning in Dental Education. Workshop for faculty of College of Dental Medicine, University of Sharjah, UAE, **November 1st 2018.**
5. **Al Kawas S**. Clinical Assessment and Supervision in Dental Education. CPD lecture for faculty and staff of College of Dental Medicine, University of Sharjah, UAE, **October 16<sup>th</sup> 2018.**
6. **Al Kawas S**. Effective Clinical Supervision and Assessment in Dental Education. UAE International Dental Conference and Arab Dental Exhibition (**AEEDC**) **Dubai 2018.**
7. **Al Kawas S**. Rethinking Students' Assessment in Health Professions Education. Ottawa-**ICME 2018 Abu Dhabi UAE.**
8. Al Bayat, Ishaq, Nasrallah, Sayyar, Koutach, Al-Marzooq, **Al Kawas**, The effect of novel biotechnology based cleaning solutions on pathogens in the dental clinics at University Dental Hospital. **11<sup>th</sup> research forum of UoS, Sharjah, UAE 2017.**
9. **Al Kawas S**, Cosmetic Dentistry between necessity and marketing? **6<sup>th</sup> Sehati Conference, Sharjah, UAE 2016.**
10. Talat W, **Al Kawas S**, Hydrogels for controlled drug delivery and tissue engineering of the Temporomandibular Joint. **5<sup>th</sup> Temporomandibular Joint Bioengineering Conference, Barcelona, Spain 2016.**
11. **Al Kawas S**. Collaborative Learning: An Innovative Teaching Approach in Dental Education. **UAE International Dental Conference and Arab Dental Exhibition (AEEDC) Dubai 2016.**

12. Al-Rawi N, El-Khateeb H, Rajoub L, El-Sayed M, Naji R, Youssef R, **Al Kawas S**. Musculoskeletal pain among different dental specialists in United Arab Emirates. **AADR/IADR Conference, USA 2016.**
13. **Al Kawas S**, Hamdy H. The Impact of Peer Assisted Learning Associated with Team Based Learning in Dental Education. **International Conference on Medical Education (ICME) Istanbul, Turkey 2015.**
14. Talat W, **Al Kawas S**, Reliability of CBCT in the Diagnosis of Temporomandibular Disorders. **37th Asia Pacific Dental Conference, Meeting Future Challenges Today, Singapore 2015.**
15. Rahman B, **Al KAWAS S**, Hawas N, Al Zubidi E, Abdel OE. Comparative anti-plaque and anti-gingivitis effectiveness of a tea tree oil mouthwash and a cetylpyridinium chloride mouthwash-a randomized crossover study. **Asian Pacific Dental Conference Dubai 2014.**
16. Talat W, **Al Kawas S**. Promoting Sustained Intra-Articular Drug Release for Treatment of Temporomandibular Disorders. **5th Euro TM Joint Conference, Aarhus, Denmark, 12-13 April 2013.**
17. **Al Kawas S**. Clinical Implications of Bone Biology in Implant Dentistry. **UAE International Dental Conference and Arab Dental Exhibition (AEEDC) Dubai 2013.**
18. Mustafa EA, **Al Kawas S**, Al-Mosuli TA. Stimulatory effects of Gallium-Arsenide laser on the developing pulp. **The World Federation for Laser Dentistry, Barcelona 2012.**
19. Al-Rawi NH, **Al Kawas S**. Public Awareness and Attitude toward Oral cancer Screening in United Arab Emirates. **UAE International Dental Conference and Arab Dental Exhibition (AEEDC) 2012.**
20. Rahman B, **Al Kawas S**. The relationship between dental health behavior, oral hygiene and gingival status of dental students in the United Arab Emirates. **The 3<sup>rd</sup> Sharjah Dental College & 16<sup>th</sup> EMA International Dental Conference, UAE 2011.**
21. Amjad S, **Al Kawas S** et al., Dental Clinics and Environmental Pollution. **1<sup>st</sup> UAE Conference on Pure and Applied Chemistry, AUS, Sharjah, UAE 2011.**
22. **Al Kawas S**. The Biological Effect of Diabetes on Osseointegration of Dental implants. **AEEDC Dubai 2010.**
23. **Al KAWAS S** and FAKHRUDDIN K. The impact of dental education on changing oral health attitudes and behavior among students at the University of Sharjah. **16<sup>th</sup> International Dental Congress of Turkish Dental Association 2009.**
24. **Al KAWAS S** et al., Quantitive Analysis of Mercury in Wastewater of Dental Clinics in United Arab Emirates. **AEEDC 2009**

25. FAKHRUDDIN K and Al KAWAS S, Traumatic Dental Injuries in 18-22 year-old Students: Causes and Impact on Quality of Life. **UAE International Dental Conference and Arab Dental Exhibition (AEEDC) 2009.**
26. Al Kawas S. The Contribution of Arabs and Muslims to Dentistry. Paper presented in the **First international conference on Arab's & Muslim's History of Science, University of Sharjah, 2008.**
27. Baron and Al Kawas. Online learning: using situational learning methodology to debate use of Dental Amalgam **Online learning in the health sciences colleges, University of Sharjah, 2008.**
28. Al Kawas S et al. Oral Health Knowledge and Behaviour of Health Sciences College Students in Sharjah, Abstract Published in the **Annual World Dental Congress (FDI) Dubai, 2007.**
29. Al Kawas S et al., Quantitative Analysis of Mercury Burden in the Waste Water released from Dental Clinics. Abstract Published in **The 3<sup>rd</sup> Annual Scientific Research Forum, University of Sharjah, 2007.**
30. Al Kawas S and Warshawsky, Ultrastructure of the Basement Membrane Separating Maturation Ameloblasts from Enamel. Abstract Published in **The 84<sup>th</sup> meeting of the International Association for Dental Research (IADR), Brisbane, Australia, 2006.**

## **Reviewing research article in Journals and Projects**

### **Archives of Oral Biology Journal**

Ref: AOB-D-16-00417

Title: Effect of artificial saliva on inflammatory response of oral fibroblasts in an in vitro study

Ref: AOB-D-15-00684

Title: Biomechanical effects of PTHrp during mandibular advancement: A systematic Review of animal studies

Ref: AOB-D-14-00091

Title: A nanoscale ridge/groove pattern arrayed surface enhances adipogenic differentiation of human supernumerary tooth-derived dental pulp stem cells in vitro

Ref: AOB-D-13-00197

Title: Glucose-free conditions induce the expression of AMPK in dental pulp cells

Ref: AOB-D-11-00143

Title: Determination of leukocyte subsets in human saliva by flow cytometry

Ref: AOB-D-10-00104

Title: Enamel Distribution, Structure and Mechanical Alterations in coll-caPPR Mice Molar

Ref: AOB-D-08-00392R1

Expression of DCC in differentiating ameloblasts from developing tooth germs in rats

Ref: AOB-D-08-00392

Title: Expression of DCC in differentiating ameloblasts from developing tooth germs in rats

### **Journal of Investigative and Clinical Dentistry**

Ref: JICD-18-OA-0086

Title: The impact of Post-Traumatic Stress Disorder on Oral Health of Children during Syrian Crisis

### **Journal of International Medical Research**

Ref: JIMR-20-1617.R1

Title: Accidental Migration of a Dental Implant into the Nasal Cavity

### **PAS Journal of Sharjah University**

Manuscript Number # 0107005

Title: Attitudes of third year dental students in implementing problem based learning (PBL) at College of Dentistry, King Faisal University, Saudi Arabia.

### **The Swedish Research Council**

International collaborative research grant 2009

Project Number # 2009-6401

Title: Affection of early repair of cleft lip on maxillary growth

### **Journal Advisory Board**

2017- Now Editorial Board Member, Journal of Oral Health and Dental Studies, Rivera Publications, USA. <http://riverapublications.com/journal/oral-health-dental-studies>

2016-2017 Editorial Board Member, Madridge Journal of Dentistry and Oral Surgery USA. <http://madridge.org/journals/journal-of-dentistry-and-oral-surgery/editors.html#>

2011-2013 Associate Editor of the Open Journal of Stomatology, Scientific Research Publishing, USA.

2008-2010 Member of Advisory Board of the Advances in Medical & Dental Sciences Journal, American-Eurasian Network for Scientific Information (AENSI).

### **Undergraduate Elective Study Supervision**

- Two BDS4 students from Dental Institute, Kings College, University of London 2018.

### **Post-Graduate Supervision**

- Supervising MSc student Dr. Amal Arab Alblooshi, The relationship between post-extraction bone healing and salivary biomarkers in smokers 2020.
- Supervising MSc student Dr. Amna Hussain Alhammadi, Salivary levels of Macrophage Activating factor and Macrophage Chemotactic Factor as Prospective Biomarkers of Gingival Inflammation 2020.
- Supervising Ms. Rand Jawad in Master of Health Professions Education 2018.
- Supervising MSc. Dr. Ali Al Qabbani, Socket preservation using bovine bone graft with and without dental implant placement. MSc Thesis University of Sains Malaysia 2016.

### **Examining & Reviewing Thesis**

The in vitro study on the effect of selected commercially available mouth rinses on single- and mixed- species biofilms. Msc thesis university of Malaya by Dr. Tayyaba Fatima, Supervisor Prof. Zubidah HA Rahim, November 2016.

### **Reviewing Faculty Promotion**

Candidate applying for Associate Professor in Mu'tah University, Jordan, October 2016.

Candidate from College of Dentistry from Assistant Professor to Full Professor, University of Al-Qadissiya, Iraq, 2017.

Candidate from College of Dentistry from Assistant Professor to Full Professor, University of Bagdad, Iraq, 2017.

Candidate from College of Dentistry from Associate Professor to Full Professor, King Khaled University, KSA, 2018.

### **Professional Conferences and Workshops**

2019	<b>Head of Organization Committee</b> The 7 <sup>th</sup> Emirati-German Congress in Medicine & Dentistry 3-4 November 2019	Sharjah, UAE
2019	<b>Member of Scientific Committee</b> The 7 <sup>th</sup> Emirati-German Congress in Medicine & Dentistry 3-4 November 2019	Sharjah, UAE
2019	<b>Member of Scientific Committee</b> Women in Research UoS	Sharjah, UAE
2019	<b>Member of Scientific Committee</b> The 7 <sup>th</sup> International Students Dental Conference 10-11 February 2019	Sharjah, UAE

2018	<b>Member of Scientific Committee</b> The 6th Emirati-German Congress in Medicine & Dentistry 18-20 November 2018	Sharjah, UAE
2018	<b>Faculty development workshop</b> The use of “shell” technique with allogenic bone plate in alveolar ridge regeneration	Sharjah, UAE
2018	<b>Member of Scientific Committee</b> The 6th International Students Dental Conference 28 <sup>th</sup> - 29 <sup>th</sup> January 2018	Sharjah, UAE
2018	<b>Faculty development workshop</b> Principles of Flipped Lecture. What, why, how, what if? 4/11/2018 by Prof. Emma Sutton & Dr Paul Everden	Sharjah, UAE
2018	<b>Member of Scientific Committee</b> The Sharjah 1st International Conference for Persons with Disabilities, 5th -7th March 2018	Sharjah, UAE
2018	<b>Invited guest</b> , World Government Summit 11-13 February 2018 <a href="https://www.worldgovernmentsummit.org">https://www.worldgovernmentsummit.org</a>	Dubai, UAE
2017	<b>Invited guest</b> , Dokha Tobacco International Symposium 5-6 November 2017	Abu Dhabi, UAE
2017	<b>Invited guest</b> , The International Government Communication Forum 22-23 March 2017	Sharjah, UAE
2017	<b>Member of Scientific Committee</b> The 5th Emirati-German Congress in Medicine & Dentistry	Sharjah, UAE
2016	<b>Member of Scientific Committee</b> Sehati 2016, <a href="http://health-promotion.wixsite.com/sehati">http://health-promotion.wixsite.com/sehati</a>	Sharjah, UAE
2016	<b>Member of Scientific Committee</b> The 4th Emirati-German Congress in Medicine	Sharjah, UAE
2016	<b>Chairperson, 4<sup>th</sup> International Dental Conference</b>	Sharjah, UAE
2016	<b>Participant</b>	Seoul, Republic of Korea

The 94 meeting of the IADR of Asia Pacific Region

2015	<b>Participant</b> UAE innovation week	Sharjah, UAE
2015	<b>Member of Scientific Committee</b> 3 <sup>rd</sup> International Dental Conference	Sharjah, UAE
2014	<b>Invited Speaker</b> , career counseling	Sharjah, UAE
2013	<b>Invited Speaker</b> , "AEEDEC 2013"	Dubai, UAE
2011	<b>Participant</b> 1 <sup>st</sup> UAE Conference on Pure and Applied Chemistry	AUS, UAE
2010	<b>Participant</b> International Conference in Medical Education	Abu Dhabi, UAE
2010	<b>Participant</b> Key Opinion Leader Dental Meeting	Sefeeld, Germany
2010	<b>Invited Speaker</b> , "AEEDEC 2010"	Dubai, UAE
2009	<b>Invited Speaker</b> , Diabetes Mellitus and Periodontal Diseases Association "Dentistry 2009"	Abu Dhabi, UAE
2009	<b>Chairperson</b> , First Multi-Professional Education Day	Sharjah, UAE
2009	<b>Organizer</b> , <b>Cone Beam Computed Tomography</b> Application in Oral & Maxillofacial Radiology Workshop	Sharjah, UAE
2008	<b>Organizer</b> , The 2 <sup>nd</sup> Sharjah Dental College & The 14 <sup>th</sup> Emirates Medical Association International Dental Conference	Sharjah, UAE

2008	<b>Speaker,</b> First international conference on Arab's & Muslim's History of Science	Sharjah, UAE
2007	<b>Presenter,</b> Annual World Dental Congress (FDI)	Dubai, UAE
2007	<b>Speaker,</b> 3 <sup>rd</sup> Annual Scientific Research Forum (Advances in Scientific Research)	Sharjah, UAE
2006	<b>Presenter,</b> 84 <sup>th</sup> meeting of the International Association for Dental Research (IADR)	Brisbane, Australia
2006	<b>Speaker,</b> 2 <sup>nd</sup> Annual Scientific Research Forum (Advances in Scientific Research)	Sharjah, U.A.E
2005	<b>Chairperson,</b> 1 <sup>st</sup> session <i>13<sup>th</sup> Emirates International Dental Conference</i> & 1 <sup>st</sup> Sharjha Dental School Conference	Sharjha, U.A.E
2005	<b>Speaker,</b> <i>The Biology of Bone Remodeling</i> 22 <sup>nd</sup> Annual Meeting of Arab Medical Union In Europe (ARABMED)	Ajman, U.A.E
2005	MFDS Course of the Royal Collage Of Surgeons in Ireland	Ajman, U.A.E
2003	Emirates Medical Association, Dental Society, 12 <sup>th</sup> UAE Dental Conference	Dubi, U.A.E
2002	<b>Speaker,</b> <i>Clinical Implications of Oral Biology</i> Kuwait University and Ministry of Health	Kuwait
2002	Arab Health Dentistry Conference	Dubi, U.A.E
2002	Emirates Medical Association, Dental Society, 11 <sup>th</sup> UAE Dental Conference	Dubi, U.A.E



2001	Modern and old in Dentistry, continuing education program, AUST	Al-Ain, U.A.E.
2001	Implantology Seminar, continuing education program, AUST	Abu Dhabi, U.A.E.
2001	Emirates Medical Association, Dental Society, 10 <sup>th</sup> UAE Dental Conference	Dubi, U.A.E
2000	Emirates Medical Association, Dental Society, 9 <sup>th</sup> UAE Dental Conference	Dubi, U.A.E
1999	Emirates Medical Association, Dental Society, 8 <sup>th</sup> UAE Dental Conference	Dubi, U.A.E
1998	American and International Society of Bone and Mineral Research (ASBMR-IBMS)	San Francisco, USA.
1998	McGill Endocrine Annual Research Meeting	Montreal, Canada
1997	Molecular Techniques Workshop MJH	Montreal, Canada
1996	Canadian Federation Of Biological Societies	London, Canada
1996	Dental Table Clinic Montreal General Hospital	Montreal, Canada
1995	Molecular Techniques Workshop	Laval, Canada

### **Professional Association**

- Fellow of the International College of Dentists (FICD), Washington, USA.
- Member in the Emirates Medical Association, Dental branch, UAE.

### **Membership in Committees and Voluntary Work**

2008-2020	Member	Central Committees for faculty Selection	University of Sharjah
2019- 2020	Chair	Students Assessment & Examination Committee	College of Dentistry University of Sharjah

2017-2019	Member	Annual Faculty Incentive Awards (Research)	University of Sharjah
2017-2019	Member	College Research Committee	University of Sharjah
2016-2019	Member	College Promotion Committee	University of Sharjah
2018-2019	Member	Council of the Consultancy Services	University of Sharjah
2008-2019	Member	College Committees for faculty selection	University of Sharjah
2007- 2017	Chair	Students Assessment Committee	College of Dentistry University of Sharjah
2007- 2016	Chair	Program Evaluation & Quality Assurance Committee	College of Dentistry University of Sharjah
2011-2013	Member	Institutional effectiveness & Accreditation	University of Sharjah
2007- 2010	Chair	Multi-Professional Education Committee	Medical Colleges University of Sharjah
2008-2009	Member	Emirates Medical Association Dental branch	UAE
2007-2009	Member	Faculty Affairs Committee	University of Sharjah
2007-2008	Member	Strategic planning for community service	University of Sharjah
2005-2008	Member	Central Assessments & Accreditation Committee	University of Sharjah
2005-2007	Member	Students Affairs Committee	University of Sharjah
2005-2006	Member	College of Dentistry Purchasing Committee	University of Sharjah
2004-2005	Member	Central Curriculum Development Committee	Ajman University of Science Technology (AUST)
2003-2005	Head	Admission, Registration & Academic Advising Committee	Faculty of Dentistry, AUST
1999-2005	Member	Curriculum Development	Faculty of Dentistry, AUST
2000-2004	Member	Quality Assurance Committee	Faculty of Dentistry, AUST

2000-2004	Member	Central Assessment Committee	Faculty of Dentistry, AUST
1999-2003	Member	Deputy Dean Council	Abu Dhabi Campus, AUST
1999-2003	Member	Examination committee	Faculty of Dentistry, AUST
1999-2003	Member	Technosphere Council	Abu Dhabi, AUST
1999-2001	Member	Research Committee	Faculty of Dentistry, AUST
1999-2001	Head	Examination committee, Abu-Dhabi Girls Campus	AUST
1995-1996	Vice-President (Social)	Graduate Society GSSfDS	Department of Oral Biology Faculty of Dentistry, McGill

### **Leadership and Administrative Job Description:**

#### **- Acting Dean:**

As the Acting Dean of the College of Dental Medicine at University of Sharjah, I performed the same duties and responsibilities of the Dean until the appointment of new Dean. These duties can be summarized as follows:

- Represent the College in the University events and meetings.
- Execute and implement the decisions of the faculty council in the college.
- Take part in the evaluation of the performance of the faculty.
- Ensure the implementation of the curriculum and synchronization between the departments.
- Introduce the University's aims and objectives to the new staff members.
- Play an active link between staff and higher administration.
- Supervise students' extra-mural activities during the semester.

#### **- Deputy Dean:**

As the Deputy Dean of Dentistry in Abu Dhabi Campus, I represent the Dean who is located in Ajman campus and I perform the same duties and responsibilities in Abu Dhabi campus. These duties can be summarized as follows:

- Represent the Dean in the academic matters.
- Execute and implement the decisions of the faculty council in the campus.
- Take part in the evaluation of the performance of the faculties.
- Establish all labs, clinics, and related facilities of the new faculty of dentistry in Abu-Dhabi campus.
- Ensure the implementation of the curriculum and synchronization between the departments in the campus.
- Prepare all documents and facilities needed for the accreditation committee of the Ministry of Higher Education.
- Meet the Accreditation Committee and provide an explanation, and answer questions about the Faculty of Dentistry (FOD) in Abu Dhabi Campus.
- Participate in organization and planing for the smooth functioning of the FOD.

- Prepare teaching time-tables and workload for faculties and staff.
- Introduce the university's aims and objectives to the new staff members.

- **Head of Department:**

As the Head of Oral and Cranofacial Health Sciences Department at University of Sharjah for the past 12 years, and the Head of Basic and Medical Sciences Department at Ajman University for 4 years, I had performed the following responsibilities:

- Oversee and assess the educational and research activities in the Department.
- Develop academic and research plans for the Department and oversee their implementation.
- Supervise teaching process and propose distribution of the faculty teaching load.
- Help in the process of selection and attracting the best faculty to the Department and College.
- Review the course syllabi and give recommendations to the Curriculum Development Committee.
- Oversee the students' assessment and evaluation of courses offered by the Department.
- Prepare a list of the department needs and submit it to the Dean for consideration when preparing the annual budget.
- Prepare documents on the quality of the education for academic accreditation.
- Actively contribute to the College Council decisions.
- Maintain records on department meetings and submit it to the Dean.
- Assign students to academic advisors and follow up on the progress of students.
- Prepare reports as requested by the Dean and University Administration.
- Evaluate faculty activities in teaching, research and community service.
- Submit a report at the end of each academic year on the educational and research and activities of the Department.

- **Head of Internship & Residency Program**

- Establish Dental Internship Program in October 2010 at University Dental Hospital (UDHS) in order to help newly graduated dentists from our college to pass the license exam as requested by the UAE Ministry of Health.
- Establish Dental Residency Program in October 2011 at UDHS in order to help newly graduated dentists from outside UAE to have 2 years experience in educational training program in UAE according to UAE Ministry of Health regulation.
- Oversee the supervision process and evaluate instructors of the programs.
- Writing the selection criteria of candidates and the rules of the programs.
- Forming admission committee for studying candidates' applications.
- Review candidate performance and his/her competencies in managing comprehensive dental care.
- Advise all trainees and help them in their academic and non-academic issues.
- Award a certificate of internship to successful trainees at the end of the training program from the college of Dental Medicine.

- **Course Coordinator:**

As course coordinator of three subjects, Oral Histology, Oral and Dental Diseases and Research Projects, I have the following duties:

- Harmonize and ensure that the standard and quality of information given to the students are equal in all campuses.
- Prepare course syllabi and lecture notes.
- Meet with the course instructors to discuss various topics concerning the course.
- Submit the course needs of materials and information resources to the department Head.
- Receive feedback from the course instructors and students and report it to the Head of department.

- **Professor, Associate and Assistant Professor:**

I have taught the following subjects:

- Histology and Cell Biology: This course describes the structural organisation of cells, tissues, and organ systems. Also, it covers the general principles of cell biology including basic knowledge of general embryology and genetics.
- Embryology and Oral Histology: This course deals with the normal structures and the development of oral cavity and teeth. The microscopic organisation of all oral tissues and their clinical correlations are given in detail .
- Biology for Biomedical engineering: This course provides students with basic principles of human and cell biology.
- Research Project: This course gives students the opportunity to explore and develop an interest in a relevant specific field of basic sciences or dental sciences. Students are taught to evaluate scientific literature, gather data and subject it to critical analysis.
- Post Graduate lectures in Oral Biology in MFDS Program of the Royal College of Surgeon in Ireland at the Faculty of Dentistry/AUST.

## **Duties and Responsibilities as a Member of Various Committees**

- **Head of Assessment and Examination Committee:**

I have been the head of two different examination committees in Ajman University, namely, Head of examination committee of all Abu Dhabi girls campus of eight faculties and Head of examination committee of the faculty of Dentistry at Abu Dhabi. Also, I was the Head of Students' Assessment and Examination Committee at College of Dental Medicine for over than 10 years. As the head of these committees I have the following duties:

- Assuring the quality control of the exams.
- Coordinating with admission and registration office, the progress of the exams.
- Monitoring the grading process of the exams.
- Submitting the results to the faculty council.

- **Head of Admission, registration and Academic Advising Committee:**

- Study the students application forms and files.
- Allocate the academic advisor for each student enrolled in the faculty
- Supervise the registration of courses for the new students
- Supervise the academic advising
- Help the advisors in solving students problems
- Assessment of academic advisors performance

- **Member of Research Committee:**

I was a member in this committee for 2 years and I had the following responsibilities:

- Receiving and evaluating proposals submitted by staff members.
- Electing and submitting proposals to the faculty council.
- Monitoring and searching for funding agencies.
- Setting and following up students' graduation projects.

- **Member of Central & Faculty Curriculum Development Committee:**

The committee performs the following duties:

- Assessment and updating the curriculum.
- Maintain the course files.
- Review and update the study plan.

- **Member of Central Assessment Committee:**

The committee performs the following duties:

- Evaluation of the performance of staff members.
- Evaluation of students' assessment methods.
- Distributing and assessing the course evaluation done by the students.
- Distributing and assessing the course evaluation done by staff members.
- Evaluating and analysing the patient's satisfaction forms.

- **Member of Quality Assurance Committee:**

The committee performs the following duties:

- Assuring the quality of patients' services.
- Supervising and revising the basic and clinical dental competencies.
- Supervising the quality of information and uniformity of course syllabi contents.
- Revising and updating the standards of dental education.
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\* References are available upon request.