

# Dr Muhanad Hatamleh

BSc, MSc, MPhil, Dip (MaxFac), PhD, MIMPT, FADM, FAHCS

## EDUCATION

Degree and School Name	Date Attended
<ul style="list-style-type: none"> <li>• <b>PhD</b> Dental Biomaterials related to Maxillofacial Prosthodontics, School of Dentistry, University of Manchester, Manchester, UK.</li> </ul>	2006 – 2009
<ul style="list-style-type: none"> <li>• <b>MPhil</b> Dental Biomaterials related to Maxillofacial Prosthodontics, School of Dentistry, University of Manchester, Manchester, UK.</li> </ul>	2005–2006
<ul style="list-style-type: none"> <li>• <b>MSc</b> (with Merit), Health Care Management, Manchester Business School, University of Manchester, Manchester, UK. Thesis Title: Public–Private partnership in improving healthcare sector</li> </ul>	2009-2010
<ul style="list-style-type: none"> <li>• <b>Diploma</b> Maxillofacial Prosthetics and Technologies, School of Health Care Science, Manchester Metropolitan University, UK</li> </ul>	2008-2011
<ul style="list-style-type: none"> <li>• <b>FAHCS</b>– Fellowship– Academy of Health Care Science (AHCS), UK.</li> <li>• Higher Specialist Scientist (HSS) Clinical Scientist – Reconstructive Science, UK</li> </ul>	2020
<ul style="list-style-type: none"> <li>• <b>FADM</b> – Fellowship with Academy of Dental Materials</li> </ul>	2017
<ul style="list-style-type: none"> <li>• <b>MIMPT</b>– Member (Full) with Institute of Maxillofacial Prosthetists and Technologists, UK</li> </ul>	2013

## CAREER BACKGROUND

Job title and address	Time frame
<b>Vice Dean.</b> Luminus Technical University College, Irbid, Jordan	
<i>Directing and managing LTUC campus, Irbid branch, Jordan.</i>	
<b>Associate Professor.</b> Faculty of Applied Medical Sciences, Luminus Technical University College, Amman, Jordan	
<p>Leading year 3 and 4 and teaching different courses including:</p> <ul style="list-style-type: none"> <li>• Dental Biomaterials</li> <li>• Maxillofacial Prosthodontics</li> <li>• Skull reconstruction- skull implants</li> <li>• 3D Printing in Health Care- Applications, Regulation and Management</li> <li>• Research methodology and statistics.</li> </ul>	
<b>Highly Specialist 3D Service Facility Manager.</b> Great Ormond Street Hospital NHS Trust London, UK	
<i>Setting up cutting-edge 3D service facility, and managing and running it. This include leading, overseeing its operations, and ensuring that the hospital continues to provide world-class medical care by leveraging advanced 3D technologies for diagnostics, treatment planning, and research.</i>	
<b>Consultant Clinical Reconstructive Scientist.</b> Maxillofacial Department   King's College Hospital NHS Foundation Trust   London	
<i>Focusing on the application of advanced scientific knowledge and technology to assist in the reconstruction and rehabilitation of patients who have experienced trauma, injury, or congenital deformities.</i>	
<b>Lecturer and postgraduate mentor.</b> Biomaterials Science Research Group, School of Dentistry, University of Manchester	
<i>My role involved lecturing, providing hands-on instructions, and mentoring postgraduate students (PhD and MPhil) in their research endeavors. The group's research spanned a wide range of biomaterials applications, including operative dentistry, prosthodontics, endodontics, orthodontics, oral surgery, orthopaedic bone cements, and maxillofacial materials. I have mentored extensively nine PhD and three MPhil students in the period 2009-2013. Furthermore, I took part in the examination process of qualifying continuation reports of three PhD students and served as the internal examiner for two Master's students.</i>	
<b>Enquiry Based Learning university teacher (EBL).</b> School of Dentistry, University of Manchester	
<i>Problem Based Learning Tutor at School of Dentistry, University of Manchester (2007-2013). I was in charge delivering the Enquiry Based Curricula (EBL) to the undergraduate dental students from year 1 through to year 4. Topics covered involved Prosthodontics and dental materials.</i>	

**Research Associate.** Centre for Excellence in Enquiry Based learning (CEEBL), University of Manchester

*I worked on a project aimed to create a universal template for Enquiry Based Learning (EBL) at higher education institutes. Results were presented at national educational meetings. Additionally, the results have published as a book (please see list of books).*

**Maxillofacial Prosthetist Healthcare Scientist.** Maxillofacial Department, Queens Medical Centre, Nottingham University Hospital

*I have attended and actively participated in a range of clinical and technical sessions aimed at the rehabilitation of individuals with facial disfigurements. The clinical cases I encountered involved patients with acquired and congenital defects affecting the head and neck region, resulting from conditions such as cancer, ablative surgery, traumatic injuries, and congenital birth defects. My clinical exposure encompassed visits to operating theaters, where I gained a comprehensive understanding of the surgical procedures that patients undergo as a precursor to prosthetic rehabilitation, such as tumor excision. Additionally, I observed and contributed to surgical processes that were integral to prosthetic rehabilitation, including implant placement. The technical laboratory sessions in which I was engaged covered a broad spectrum of activities, including facial prosthetic construction, surgical planning, the creation of surgical stents, utilization of 3D medical modeling techniques, and the implementation of craniofacial implants and deep-buried cranioplasty implants*

## AWARDS AND HONORS

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February 2023	UK Alumni Awards Finalist– Jordan Region. Science and Sustainability Category. <a href="https://www.britishcouncil.jo/en/study-uk/alumni-awards-2022-23/Finalists">https://www.britishcouncil.jo/en/study-uk/alumni-awards-2022-23/Finalists</a>
September 2015	Best journal article published at the IMPT journal. Prize awarded during the IMPT 27 <sup>th</sup> Scientific Congress, London, UK
March 2015	Acknowledged for outstanding reviews for Journal of Prosthodontics, USA
February 2014	Shortlisted as one of three runners for the position of Basic Science Editor for the Journal of Prosthodontics
2011	Shortlisted as a runner of five runners for the 2011 Scopus Young Researcher Award, developed by Elsevier in association with the US/UK Fulbright Commission to honour the achievements of young researchers.
2009–2010	Manchester Business School Scholarship, University of Manchester, towards studying MSc in Health Care Management
2008	Paffenbarger award for best research work (3 <sup>rd</sup> place) presented during the Academy of Dental Materials meeting (ADM) in Wuerzburg, Germany, August 2008.
2008	British Society for Dental Research Bursary Award (BSDR), to present at the PEF–IADR, London, UK (10 <sup>th</sup> –12 <sup>th</sup> September, 2008).
2008	Postgraduate Travel Fund Award, University of Manchester, to present at the IADR meeting, Miami, USA (1 <sup>st</sup> –4 <sup>th</sup> April, 2009).

**PUBLICATIONS: 67 papers, 3 books, 3 book chapters**

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Original peer-reviewed papers: 55 papers to-date

<http://www.ncbi.nlm.nih.gov/pubmed/?term=hatamleh+m>

- 1- Maqableh AM; **Hatamleh MM**. Cohesive Zone Modeling of Pull-Out Test for Dental Fiber-Silicone Polymer. *Polymers* **2023**, 15(18), 3668; <https://doi.org/10.3390/polym15183668>
- 2- **Hatamleh MM**, Hatamlah H, Nuseir A. Maxillofacial Prosthetics and Digital Technologies; cross-sectional study of healthcare service provision, patient attitudes and opinions. *Journal of Prosthodontics*. **2023 May 22**. [doi: 10.1111/jopr.13718](https://doi.org/10.1111/jopr.13718). Online ahead of print.
- 3- **Hatamleh MM**, Maqableh AM, Al-Wahadni AM, Al-Rabab'ah M. Mechanical properties and bonding of maxillofacial silicone elastomer mixed with nanosized anti-microbials. *Dental Materials*. **2023 Aug**;39(8):677. [doi: 10.1016/j.dental.2023.05.009](https://doi.org/10.1016/j.dental.2023.05.009).
- 4- Ahed Al Wahadni, Mhd Salim Fissal Dkmak, Saleh Almohammed, **Muhanad Hatamleh**, Abdelmalek Abu Tabanjah. Fracture strength of anterior cantilever resin bonded fixed partial dentures fabricated from high translucency zirconia with different intaglio surface treatments. *Journal of Prosthodontics*. **2023** <https://doi.org/10.1111/jopr.13694>.
- 5- Nawafleh N, **Hatamleh M**, Janzeer Y, Alrahlah A, Alahadal K. Marginal Discrepancy of Five Contemporary Dental Ceramics for Anterior Restorations. *Eur J Dent*. **2023 Jan 4**. doi: 10.1055/s-0042-1758787.
- 6- Ahed Al Wahadni, Baker Othman Abu Rashed, Rami Al-Fodeh, Abdelmalek Abu Tabanjah, **Muhanad Hatamleh**. Marginal and internal gaps, surface roughness and fracture resistance of provisional crowns fabricated with 3D printing and milling systems. *Operative Dentistry*. **2023**.
- 7- **Hatamleh MM**, Hatamlah, H, Nuseir A. Use of 3-dimensional imaging and manufacturing for bilateral auricular prostheses: A case series of six patients with congenital auricular defects. *J Prosthet Dent*. **2022 Nov 18**; S0022-3913(22)00643-6. doi: 10.1016/j.prosdent. Online ahead of print.
- 8- **Hatamleh MM**. Contemporary review on Craniectomy and Cranioplasty; Part 1: decompressive craniectomy. *J Craniofac Surg*. **2021 Jul 27**. doi: 10.1097/SCS.00000000000008041.
- 9- **Hatamleh MM**. Contemporary review on Craniectomy and Cranioplasty; Part 2: material selection and plate manufacture. *J Craniofac Surg*. **2021 Jul 29**. doi: 10.1097/SCS.00000000000008040.
- 10- Al-Rabab'ah MA, **Hatamleh MM**, Al-Tarawneh S, El-Ma'aita A, Abu Tahun I, Jalham IS. Effect of freshly placed core buildup composites on setting of silicon impression materials. *J Indian Prosthodont Soc*. **2021 Apr-Jun**;21(2):186-191. doi: 10.4103/jips.jips\_606\_20.
- 11- **Hatamleh MM**, Watson, J, Nuseir A. Successful prosthetic salvage of a suboptimal autogenous auricular reconstruction with digital technologies; A report of 3 challenging treatments. *J Prosthet Dent*. **2021 Mar 29**;S0022-3913(21)00109-8. doi: 10.1016.
- 12- **Hatamleh M M**. Preparation and In Vitro Analysis of Craniofacial Titanium Implants Surfaces Produced by Additive 3D Printing and Conventional Manufacturing. *Craniofacial Trauma & Reconstruction*. November 5, **2020**
- 13- Alzoubi H, **Hatamleh M M**. Optimization of Facial Silicone Elastomers Antimicrobial Activity: In-Vitro Study. *Prensa Medica Argentina*. **2019**; 105(6):299

- 14– Awad M , Albedaiwi L, Almahdy A, Khan R, Silikas N, **Hatamleh M M**, Alkhtani F, Alrahlah A. Effect of universal adhesives on microtensile bond strength to hybrid ceramic. *BMC Oral Health*. 2019 Aug 6;19(1):178.
- 15– Nuseir A, **Hatamleh MM**, Alnazzawi A, Al-Rabab'ah M, Kamel B, Jaradat E. Direct 3D Printing of Flexible Nasal Prosthesis: Optimized Digital Workflow from Scan to Fit. *J Prosthodont*. 2019 Jan;28(1):10–14
- 16– **Hatamleh MM**, Ong J, Hatamleh ZM, Watson J, Huppa C. Developing an In-house Interdisciplinary Three-Dimensional Service: Challenges, Benefits, and Innovative Health Care Solutions. *J Craniofac Surg*. 2018 Oct;29(7):1870–1875
- 17– **Hatamleh MM**, Wu X, Alnazzawi A, Watson J, Watts DC. Surface characteristics and biocompatibility of cranioplasty titanium implants following different surface treatments. *Dental Materials*. 2018; 34(4):676–683.
- 18– Nawafleh N, **Hatamleh MM**, Öchsner A, Mack F. Fracture load and survival of anatomically representative monolithic lithium disilicate crowns with reduced tooth preparation and ceramic thickness. *J Adv Prosthodont* 2017
- 19– Al-Asmar AA, Hatamleh KS, **Hatamleh MM**, Al-Rabab'ah M. Evaluating Various Preparation Protocols on the Shear Bond Strength of Repaired Composite. *Journal of Contemporary Dental Practice*. 2017;18(3):1–6.
- 20– **Hatamleh MM**, Alnazzawi A, Abbariki M, Alqudah N, Cook A. A Survey of Ocular Prosthetics Rehabilitation in the UK. Part 2: anophthalmic patients' satisfaction and acceptance. *Journal of Craniofacial Surgery*. 2017 June.
- 21– **Hatamleh MM**, Abbariki M, Alqudah N, Cook A. A Survey of Ocular Prosthetics Rehabilitation in the UK. Part 1: anophthalmic patients' aetiology, opinions and attitudes. *Journal of Craniofacial Surgery*. 2017 Jan 31.
- 22– **Hatamleh MM**, Yeung E, Osher J, Huppa C. Novel treatment planning of hemi-mandibular hyperplasia by the use of 3D CAD/CAM technologies. *Journal of Craniofacial Surgery*. 2017.
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- 23– **Hatamleh M**, Bhamrah G, Ryba F, Mack G, Huppa C. Simultaneous CAD/CAM Bi-Maxillary Orthognathic Surgery and Mandibular Reconstruction Using Selective-Laser Sintered Titanium Implant. *Journal of Craniofacial Surgery*. 2016 Oct;27(7):1810–1814.
- 24– [Conference Abstract]. **Hatamleh M**, Alnazzawi A, Watts DC. 3D surface roughness of craniofacial titanium Ti-6Al-4V implants following different surface treatments. *Dental Materials*. 2016 Volume, Supplement 1.
- 25– **Hatamleh M**, Turner C, Bhamrah G, Mack G, Osher J. Improved Virtual Planning for Bimaxillary Orthognathic Surgery. *Journal of Craniofacial Surgery*. 2016 Sep;27:e568–73
- 26– Nawafleh N, **Hatamleh MM**, Öchsner A, Mack F. The Impact of Core/Veneer Thickness Ratio and Cyclic Loading on Fracture Resistance of Lithium Disilicate Crown. *J Prosthodont*. 2016 Mar 9.
- 27– **Hatamleh MM**, Polyzois G, Nusair A, Alnazzawi A, Hatamleh K. Mechanical properties and simulated ageing of silicone maxillofacial elastomers: Advancements in the past 45 years. *Journal of Prosthodontics*. 2016 Jan 24.
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- 28– Nuseir A, [Hatamleh MM](#), Watson J, Al-Wahadni A, Alzoubi F, Murad M. Improved construction of auricular prosthesis utilizing state-of-art digital technologies; a clinical report. *Journal of Craniofacial Surgery*. 2015 Sep;26(6):e502–5
- 29– Nawafleh NA, [Hatamleh MM](#), Elshiyab S, Mack F. Lithium Disilicate restorations fatigue testing regimes: a systematic review. *Journal of Prosthodontics*. 2016 Feb;25(2):116–26.
- 30– Hattar S, [Hatamleh MM](#), Sawair F, Al-Rabab'ah M. Bond strength of self-adhesive resin cements to tooth structure. *Saudi Dental Journal*. 2015 Apr;27(2):70–4.
- 31– [Hatamleh MM](#), Watson J, Srinivasan D. Closed-eye orbital prosthesis: A clinical report. *J Prosthet Dent*. 2015 Mar;113(3):246–9
- 32– Polyzois G, Pantopoulos A, Papadopoulos T, [Hatamleh M](#). Effect of Light Aging on Silicone-Resin Bond Strength in Maxillofacial Prostheses. *J Prosthodont*. 2014 Jul 31.
- 33– Watson J, [Hatamleh MM](#), Al-Wahadni A, Srinivasan D. Correction of facial and mandibular asymmetry using a computer aided design/computer aided manufacturing prefabricated titanium implant. *Journal of Craniofacial Surgery*. 2014 May;25(3):1099–101
- 34– [Hatamleh MM](#), Watson J, Richmond A, Srinivasan D. A novel approach to immediate restoration of the cosmetic deformity following regional temporalis flap reconstruction. *Journal of Craniofacial Surgery*. 2013 Nov;24(6):2186–9
- 35– Watson J, [Hatamleh MM](#). Complete integration of technology for improved reproduction of auricular prostheses. *Journal of Prosthetic Dentistry*. 2014 May;111(5):430–6
- 36– [Hatamleh MM](#), Cratmill M, Watson J. Management of Extensive Frontal Cranioplasty Defects. *Journal of Craniofacial Surgery*. 2013 Nov;24(6):2018–22
- 37– [Hatamleh MM](#), Watson J, Richmond A, Srinivasan D. A novel approach to immediate restoration of the cosmetic deformity following regional temporalis flap reconstruction of a maxillary defect; a case report. *Journal of Craniofacial Surgery*. 2013 Nov;24(6):2186–9
- 38– Hattar S, [Hatamleh MM](#), Khraisat AS, Al-Rabab'ah M. Shear bond strength of self-adhesive resin cements to base metal alloy. *Journal of Prosthetic Dentistry*. 2014 May;111(5):411–5
- 39– Nawafleh NA, Mack F, Evans J, Mackay J, [Hatamleh MM](#). Accuracy and Reliability of Methods to Measure Marginal Adaptation of Crowns and FDPs: A Literature Review. *Journal of Prosthodontics*. 2013 Jul;22(5):419–28.
- 40– [Hatamleh MM](#), Haylock C, Hollow P, Richmond A, Watson J. Prosthetic eye rehabilitation and management of completely blind patients; a case report. *International Journal of Prosthodontics*. 2012 Nov-Dec;25(6):631–5
- 41– [Hatamleh MM](#), Watson J. Construction of an implant-retained auricular prosthesis with the aid of contemporary digital technologies; a case report. *Journal of Prosthodontics*. 2013 Feb;22(2):132–6. Doi: 10.1111/j.1532-849X.2012.00916.x. Epub 2012 Sep 4.
- 42– Al-Wahadni AM, Quran F, Alsaleh H, [Hatamleh MM](#). Fracture resistance of fixed partial dentures supported by different abutment combinations: An ex vivo study. *General Dentistry Journal*. September/October 2012 e295–e301

- 43– **Hatamleh MM**, Polyzois GL, Silikas N, Watts DC. Effect of Extra-oral Aging conditionings on Mechanical Properties of Maxillofacial Silicone Elastomer. *Journal of Prosthodontics*, 2011 Aug; 20(6):439–46.
- 44– **Hatamleh MM**, Rodrigues F, Silikas N, Watts DC. 3D-FE Analysis of Soft Liner-Acrylic Interfaces under Shear Loading. *Dental Materials*, 2011 May;27(5):445–54.
- 45– **Hatamleh MM**, Watts DC. Effects of bond primers on bending strength and bonding of glass fibers in fiber-embedded maxillofacial silicone prostheses. *Journal of Prosthodontics*, 2011 Feb;20(2):113–9.
- 46– **Hatamleh MM**, Watts DC. Porosity and colour of maxillofacial silicone elastomer. *Journal of Prosthodontics*, 2011 Jan;20(1):60–6.
- 47– **Hatamleh MM**, Haylock C, Watson J, Watts DC. Maxillofacial prosthetic rehabilitation in the UK, a survey of maxillofacial prosthetists and technologists attitudes and opinions. *International Journal of Oral and Maxillofacial Surgery*. 2010 Dec;39(12):1186–92.
- 48– **Hatamleh MM**, Watts DC. Effect of extra-oral aging conditionings on color stability of maxillofacial silicone elastomer. *Journal of Prosthodontics*. 2010 Oct;19(7):536–43.
- 49– **Hatamleh MM**, Watts DC. Effects of accelerated artificial daylight-aging on bending strength and bonding of glass fibers in fiber-embedded maxillofacial silicone prostheses. *Journal of Prosthodontics*. 2010 Jul;19(5):357–63.
- Hatamleh MM**, Maryan C, Silikas N, Watts DC. Effect of net fiber-reinforcement surface treatment on soft denture liner retention and longevity. *Journal of Prosthodontics*. 2010 Jun;19(4):258–62.
- 50– **Hatamleh MM**, Watts DC. Bonding of maxillofacial silicone elastomers to an acrylic substrate. *Dental Materials*, 2010. 26(4) p. 113–121
- 51– **Hatamleh MM**, Watts DC. Mechanical properties and bonding of maxillofacial silicone elastomers. *Dental Materials*, February 2010: 26 (2), pp. 79–85
- 52– Al-Wahadni AM, Hussey DL, Grey N, **Hatamleh MM**. Fracture resistance of aluminium oxide-, and lithium disilicate-based crowns using different luting cements; in vitro study. *Journal of Contemporary Dental Practice*. 2009 Mar 1;10(2):51–8
- 53– Kurunmäki H, Kantola R, **Hatamleh MM**, Watts DC, Vallittu PK. A fiber-reinforced composite prosthesis restoring a lateral midfacial defect: a clinical report. *Journal of Prosthetic Dentistry*. 2008 Nov;100(5):348–52.
- 54– **Hatamleh MM**, Watts DC. Fibre reinforcement enhances bonding of soft lining to acrylic dental and maxillofacial prostheses. *European Journal of Prosthodontics and Restorative Dentistry*. 2008 Sep;16(3):116–21.
- 55– Al-Wahadni AM, Hamdan S, Al-Omiri M, Hammad MM, **Hatamleh MM**. Fracture resistance of teeth restored with different post systems: in vitro study. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics*. 2008 Aug;106(2):e77–83. Epub 2008 Jun 13.

**Conference abstract publications:** 3 papers to-date (from 2017 to date)

- 56– [Conference Abstract]. *ADM conference presentation* published in *Dental Materials* 2022. **Hatamleh MM** & Maqableh AM. Shear bond strength of digital and conventional maxillofacial silicones mixed with nano-sized anti-microbials.
- 57– [Conference Abstract]. *IMPT conference presentation* published in the *IMPT Journal* 2022. **Hatamleh MM** & Hamze G. Innovative uses of 3D Technologies in Orthognathic Surgery Planning. The IMPT 30th Scientific Congress, Liverpool, UK. 21<sup>st</sup> – 23<sup>rd</sup> Sep 2022.
- 58– [Conference Abstract]. *ADM conference presentation* published in *Dental Materials* 2017. **Hatamleh MM**, Alzoubi H, Alnazzawi A, Watts DC. Chlorohexidine enhances antibacterial and antifungal activities of maxillofacial silicone elastomer; an in-vitro study. *Dental Materials*. 2017 V33, Supplement 1, Pages e86–e87

Professional or Educational journal articles: 11 papers to-date

- 59– Turner C, **Hatamleh MM**, Watson J, Walker F. Reliability of three conventional model-surgery techniques in reproducing planned maxillary movements. *The Journal of Maxillofacial Prosthetics & Technology*. 2021 April; 17(1):13–19.
- 60– [Media Abstract]. Huppa C, **Hatamleh MM**, Mack G. Jaw Reconstruction and 3D Planning for Orthognathic Surgery. November 2015.  
<http://biomedical.materialise.com/cases/jaw-reconstruction-and-3d-planning-orthognathic-surgery>
- 61– Abu Afifeh K, AL-Wahadni A, Nusair Y, Hussey D, **Hatamleh MM**, Al-Ehaideb A, Al Hamad K. Clinical Performance of Implant Supported All-Ceramic Restorations Using Ceramic Abutments: A 1–3 Year Follow Up Study. *The Journal of Implant & Advanced Clinical Dentistry*. 2015 Mar 1;7(3):33–44
- 62– **Hatamleh MM**, Al-Wahadni AM. Sports-related maxillofacial injuries; a critical review of the literature. *Journal of Maxillofacial Prosthetists & Technologists*, 2015, 27 (1): 35–38.
- 63– **Hatamleh MM**, Watson J, Richmond A, Srinivasan D. A novel approach to immediate restoration of the cosmetic deformity following regional temporalis flap reconstruction. *Journal of Maxillofacial Prosthetists & Technologists*, 2013, 26 (1): 7–10
- 64– **Hatamleh MM**, Jaradat E, Nawfleh N, Bibars A, Hourani Z, Watson J. Up-to-date status of craniofacial implants– a literature review. *Journal of Maxillofacial Prosthetists & Technologists*, 2012, 25 (2): 27–30.
- 65– **Hatamleh MM**, Abbariki M, Morris A, Shorrock L. Ocular prosthetic services provided by UK regional eye hospital; patients’ aetiology and satisfaction. *Journal of Maxillofacial Prosthetists & Technologists*, 2012, 25 (2): 12–15.
- 66– **Hatamleh MM**, Watson J. Insights into services provided by maxillofacial prosthetists’ in the UK. *Smile Dental Journal* 2012:7 (2):30–35.

- 67– **Hatamleh MM**, Haylock C, Watson J, Watts DC. Survey about attitudes, opinions, and experience of maxillofacial prosthetists and technologists in the UK toward maxillofacial silicone prostheses. *Journal of Maxillofacial Prosthetists & Technologists*, November 2011; 1(1):19–25.
- 68– **Hatamleh MM**, Watson J. 3D Innovations of Cranioplasty Plate Construction: a Case Report. *Smile Dental Journal*. Volume 6, Issue 2 – 2011.
- 69– **Hatamleh MM**, Watts DC. Porosities and bonding of maxillofacial silicone with embedded glass fibre–bundles. *International Journal of Anaplastology*, 2008 April 1(2):15–23.

#### Books

- ❖ **Hatamleh MM**, Silikas N, Watts DC. *Bonding of Soft Polymers to Acrylic Prostheses*, 2010, ISBN 978–3–8383–4715–8. 125 pages.
- ❖ **Hatamleh MM** and Al–Wahadni A. *Public Private Partnership in Healthcare Services: Healthcare Partnerships; A Critical Review with two cases from Jordan*, 2010, ISBN 978–3–8433–7457–6. 72 Pages.
- ❖ **Hatamleh MM**, Madarati A, Wahid R, Sandill A, AL–Ahdal K. *Converting from Lecture–Based Teaching to Enquiry–Based Learning*, 2013, ISBN 978–3–659–48016–4. 80 Pages.

#### Book chapters

- ❖ **Hatamleh, MM.** (2023). 'Chapter 12: Polymers in maxillofacial prosthodontics. Book: *Polymeric Materials for Biomedical Implants: Characterization, Properties, and Applications*, P295.
- ❖ **Hatamleh, MM.** (2023). 'Chapter 14: Clinical Applications of Digital Dental Technology in Maxillofacial Prosthodontics', in *Clinical Applications of Digital Dental Technology*. Second Edition. Edited by Radi Masri & Carl F. Driscoll. @ 2023 John Wiley & Sons Inc. <https://doi.org/10.1002/9781119800613.ch14>
- ❖ **Hatamleh, MM.** (2020). 'Chapter 5: Operative models', in Thomas, DJ, and Singh D. (eds.) *3D Printing in Medicine and Surgery Applications in HealthCare*. Elsevier: MTP, pp. 3–11. ISBN: 978–0–08–102542–0 (print). <https://www.elsevier.com/books/3d-printing-in-medicine-and-surgery/thomas/978-0-08-102542-0>
- ❖ **Hatamleh, MM.** (2020). 'Chapter 2: Clinical uses of 3D printing', in Thomas, DJ, and Singh D. (eds.) *3D Printing in Medicine and Surgery Applications in HealthCare*. Elsevier: MTP, pp. 83–

95. ISBN: 978-0-08-102542-0 (print). <https://www.elsevier.com/books/3d-printing-in-medicine-and-surgery/thomas/978-0-08-102542-0>

## PROFESSIONAL DEVELOPMENT

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World Wide Web metrics:

- ❖ Scopus Metrics: **22** *h*-index
- ❖ ORCID: <https://orcid.org/0000-0003-3808-4695>
- ❖ Publons: <https://www.webofscience.com/wos/author/record/H-6192-2019>
- ❖ ResearchGate: <https://www.researchgate.net/profile/Muhanad-Hatamleh>
- ❖ LinkedIn: <https://www.linkedin.com/in/dr-muhanad-hatamleh-04618624/>

Service:

- **Associate Editor** (Since 2019– present)

Journal of Prosthodontic, USA (Impact Factor 4.0)

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jopr.12699>

- **Section Editor/Prosthodontics** (Since 2018– present)

Journal of Contemporary Dental Practice, USA

<http://www.thejcdp.com/Eboard.aspx>

- **Editorial Board; Elect member at:**

- ❖ 3D Printing in Medicine (Publisher: Springer Open) (Since 2017– present)

<https://threedmedprint.springeropen.com/about/editorial-board>

- **Editorial Reviewer:**

- ❖ Reviewed over **282** manuscripts (verified reviews from 2011– to date) for the below named journals: Journal of Prosthodontics (Impact factor: 2.143); Dental Materials [Elsevier] (Impact Factor 4.160); Journal of Acta Biomaterials (Impact factor 5.68); International Journal of Nano–medicine [Impact factor: 4.19].

<https://publons.com/dashboard/summary/>

- **Research Affiliations:**

- ❖ International Association of Dental Research (**IADR**).
- ❖ Fellow with the Academy of Dental Materials (**FADM**).

- **Familiarity with software programs:**

- ❖ SPSS, SigmaPlot, Adobe Photoshop, Microsoft package, and many statistical softwares
- ❖ International Computer Driving Licence certificate (ICDL), UNESCO 2003.

## MEDIA INTERVIEWS

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1. **(February 2023)** Interviewed by BBC Arabic 4Tech: talking about rehabilitating patients with ear defects using 3D printing <https://www.youtube.com/watch?v=Sc5cUbxYvSE>
2. **(January 2017)** Discover the benefits of 3D printing with Stratasys at Arab Health <http://www.medicalplasticsnews.com/news/discover-the-benefits-of-3d-printing-with-stratasys-at-arab-/>
3. **(August 2015)** Interviewed by BBC 4Tech: talking about different applications of 3D printing <https://www.youtube.com/watch?v=30h8p9C4LgQ>
4. **(May 2015)** Interviewed by BBC World News A tour of London's 3D Print Show: <http://www.bbc.co.uk/news/business-32843270>
5. **(May 2015)** Interviewed by BBC Click: talking about 3D printing in medical field <http://www.bbc.co.uk/iplayer/episode/b05wdq7y/click-23052015>
6. **(May 2015)** Interviewed by International Business Times: 3D printing in medicine: How the technology is increasingly being used to save lives: <http://www.ibtimes.co.uk/3d-printing-medicine-how-technology-increasingly-being-used-save-lives-1502609#>
7. **(May 2015)** Interviewed by International Business Times: 3D printers 'are now a must' in hospitals treating serious head, neck and jaw injuries: <http://www.ibtimes.co.uk/3d-printers-are-now-must-hospitals-treating-serious-head-neck-jaw-diseases-1502428>
8. **(June 2015)** Interviewed by Disruptive Interview about 3D printers: <http://disruptivemagazine.com/blog/disruptive-interview-dr-muhanad-hatamleh-kings-college-hospital/>
9. **(November 2015)** Featured in the King's College Hospital news for achieving the UK national recognition in Maxillofacial Prosthetics.
10. **(February 2014)** Featured in the BBC News: Operation at King's College means girl can now smile <http://www.bbc.co.uk/news/uk-england-london-26146170>

**PRESENTATIONS: 32 national and international meetings**

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1. **Hatamleh MM** & Maqableh. Shear bond strength of digital and conventional maxillofacial silicones mixed with nano-sized anti-microbials. The Academy of Dental Materials meeting (ADM), Athens, Greece. 28th Sep– 1st Oct 2022.
2. **Hatamleh MM** & Hamze G. Innovative uses of 3D Technologies in Orthognathic Surgery Planning. The IMPT 30th Scientific Congress, Liverpool, UK. 21st – 23rd Sep 2022
3. Invited Trainer. Cochlear Academy– Sweden. Cochlear Academy – Level 4 Vistafix Trainer. Mechalen, Belgium 15–18 April 2019.

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4. **Invited Speaker and Panellist: Hatamleh M.** Updates on 3D Solutions for various medical specialities. Bone Anchored Solutions 2<sup>nd</sup> conference (BAS), Riyadh Saudi Arabia, 4<sup>th</sup>–6<sup>th</sup> November 2018
5. **Invited Speaker: Hatamleh M.** The Critical Role of 3D Printing in CMF Applications 2018. 3D PRINTING IN MEDICINE COURSE June 14 – 15, 2018.  
<https://www.materialise.com/en/medical/3d-printing-medicine-course>
6. Leuven, Belgium Dubai International Convention and Exhibition Centre
7. **Hatamleh MM**, Alzoabi H, Alnazzawi A, Watts DC. Chlorohexidine enhances antibacterial and antifungal activities of maxillofacial silicone elastomer; an in-vitro study. ADM meeting, Nureberg Germany 5–7 October 2017
8. **Invited Speaker: Hatamleh M.** 3D printing applications in head and neck reconstruction. Arab Health Congress, 30 January – 2 February 2017 Dubai International Convention and Exhibition Centre <http://www.arabhealthonline.com/conferences/list-2017/3d-medical-printing/>
9. **Invited Speaker and Panellist: Hatamleh M.** Applications of latest technologies in Bone Anchored Hearing solutions. Bone Anchored Solutions 1<sup>st</sup> conference (BAS), Riyadh Saudi Arabia, November 2016

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10. **Hatamleh M.** Alnazawi A, Watts DC. Effect of different surface finishing treatments on titanium surfaces 3D micro-roughness. ADM meeting, Chicago, USA 12–16 October 2016
11. **Invited Speaker and Panellist: Hatamleh M.** 3D printing in the healthcare sector; new dimensions. Personal approaches to additive manufacturing through your consultant. Additive layering manufacture meeting, Amsterdam, Netherlands 28–30 June, 2016  
<http://www.amshow-europe.com/dr-muhanad-hatamleh>
12. **Invited Speaker: Hatamleh M.** Application of 3D printing in head and neck reconstruction. Riyadh, Saudi Arabia 14–16 February 2016.

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13. **Invited Speaker: Hatamleh M.** 3D printer technology for pre-operative planning. Dialogue: Cross disciplinary Salon, London 7<sup>th</sup> October, 2015.  
<https://www.facebook.com/events/463319807180950/>
14. **Hatamleh M.** Effect of different surface finishing treatments on titanium surfaces. 27<sup>th</sup> IMPT Congress. London, UK.

15. **Invited Speaker: Hatamleh MM.** Integration of Additive Layer Manufacture in Cranio-Maxillofacial Reconstruction. Track 1: Materialise World Conference 24<sup>th</sup> & 25<sup>th</sup> April 2015, Brussels Belgium. <http://biomedical.materialise.com/cases/jaw-reconstruction-and-3d-planning-orthognathic-surgery>
16. **Hatamleh MM,** Abbariki M. Ocular prosthetic services provided by UK regional eye hospital; patients' aetiology and satisfaction. 2013
17. D'Aquino D, Cartmill M, Watson J, **Hatamleh MM.** A novel application of Direct Metal Laser Sintering technology in cranioplasty plate production. Neuroscience meeting, UK (April, 2012).
18. Watson J, Richmond A, **Hatamleh MM.** The future of retention; CAD/CAM custom made retentive components. IMPT 25th Scientific Congress, Birmingham, UK (7<sup>th</sup> –9<sup>th</sup> September, 2011).
19. Richmond A, Watson J, **Hatamleh MM.** 3D modelling and surgical planning in free tissue transfer a short case report. IMPT 25th Scientific Congress, Birmingham, UK (7<sup>th</sup> –9<sup>th</sup> September, 2011).
20. **Hatamleh MM,** Watson J, M Cartmill. Cranioplasty defects; a review of cases and the development of a classification for referral, identification and audit purposes. IMPT 25th Scientific Congress, Birmingham, UK (7<sup>th</sup> –9<sup>th</sup> September, 2011).
21. **Hatamleh MM,** Silikas N, Watts DC. Micro-CT analysis of Porosities of Maxillofacial Biomedical Silicones and their effect on Colour. Poster presentation. SkyScan User meeting, Mechlen, Belgium (7<sup>th</sup>–10<sup>rd</sup> July, 2010) .
22. Rasha Wahid, Ahmad Madarati, Abha Sandill, Louise Golding, Norman Powell, **Muhanad Hatamleh.** Developing an EBL template for higher education institutes. LTEA and Reading Teaching and Learning Conference 2009.
23. **Hatamleh MM,** Haylock C, Watson J, Watts DC. Opinions and attitudes of maxillofacial prosthetists and technologists in the UK towards aspects of maxillofacial silicone prostheses. Oral presentation. IMPT 24<sup>th</sup> Scientific Conference, Belfast, UK (9<sup>th</sup>–11<sup>th</sup> September, 2009).
24. **Hatamleh MM,** Watts DC. Porosities and colour of maxillofacial silicone elastomers. Poster presentation. 20<sup>th</sup> European Dental materials Conference, Manchester, UK (27<sup>th</sup> –28<sup>th</sup> August, 2009)
25. **Hatamleh MM,** Polyzois GL, Silikas N, Watts DC. Properties of a maxillofacial silicone elastomer under different environmental factors. Poster presentation. IADR meeting, Miami, USA (1<sup>st</sup>–4<sup>th</sup> April, 2009).
26. **Hatamleh MM,** Watts DC. Colour Changes of Maxillofacial Silicone Elastomer due to Extra-oral Aging. Poster presentation. ADM meeting, Wurzburg, Germany (8<sup>th</sup> October, 2008). (Received a Paffenbarger award).
27. **Hatamleh MM,** Watts DC. Changes in colour of Maxillofacial Silicone Elastomer as a result of Simulated Extra-oral Aging. Oral Presentation. PEF-IADR. London, UK (10<sup>th</sup>–12<sup>th</sup> September, 2008).
28. **Hatamleh MM,** Watts DC. Effect of environmental factors on serviceability of fibre-reinforced maxillofacial prostheses. Poster presentation. IADR 86<sup>th</sup> meeting. Toronto- Canada (2<sup>nd</sup>–5<sup>th</sup> July 2008).

29. **Hatamleh MM**, Watts DC. Pull-out behaviour of glass fibres embedded into Biomedical Silicone in Fibre Reinforced Maxillofacial Prostheses. Poster presentation. IMPT 23<sup>rd</sup> Scientific Conference, Leeds, UK (7<sup>th</sup> September, 2007).
30. **Hatamleh MM**, Watts DC. The use of X-Ray Scanners in investigating internal defects (pores) of Maxillofacial Silicones; an *in vitro* study. IMPT 23<sup>rd</sup> Scientific Conference, Leeds, UK (7<sup>th</sup> September, 2007).
31. **Hatamleh MM**, Watts DC. Increased Serviceability of Silicone Liners Bonded to Fibre-reinforced acrylic bases. BSDR/NOF Joint Scientific Meeting. Poster presentation. Durham, UK (2<sup>nd</sup>-5<sup>th</sup> April, 2007).
32. **Hatamleh MM**, Watts DC. Fibre reinforcement enhances bonding of soft lining to Acrylic obturators. Poster Presentation. PEF-IADR. Dublin, Ireland (13<sup>th</sup>-16<sup>th</sup> September, 2006).

## MISCELLANEOUS

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1. Clinical management and leadership course. King's College Hospital NHS Foundation Trust and Keele University. Held on 5 & 6 November 2015.
2. Featured in King's College Hospital NHS Trust Chief Executive monthly bulletin 2014
3. Featured in King's College Hospital NHS Trust magazine @King's 2014
4. Ran the Bupa 10K London 2015: Fundraising for charity @ King's College Hospital
5. Ran the Bupa 10 K London 2014: Grateful staff give back to King's by running Bupa 10k  
<http://www.togetherwecan.org.uk/kings-college-hospital/news/grateful-staff-give-back-to-kings-by-running-bupa-10k>

Fundraising: <http://uk.virginmoneygiving.com/fundraiser-web/fundraiser/showFundraiserPage.action?userUrl=M.Hatamleh&fald=457042&isTeam=false>