

Reza Shahmiri

PH.D. *Materials Science and Engineering, UNSW Sydney*
 Master of Engineering *Medical Devices and Technology, University of Auckland*
 DENTAL TECHNOLOGIST *EngDent MasterTech Dental Lab*

Biodata

Date of Birth 21 November 1975

Sex Male

E-Mail share.shahmiri469@gmail.com

Telephone (+61-42) 3688623

Postal Address P.O. Box 6045
 UNSW Kensington, NSW 1466
 Australia

Languages English (Fluent – 20 years experience)
 Persian (Native Language)

Nationality Australia

Visa Status Australia Citizen

EDUCATIONAL BACKGROUND

<i>Ph.D. (UNSW Sydney)</i>		<i>2015 – 2020 (Graduated)</i>
Major	Materials Science and Engineering	
Thesis	<i>Characterisation and Modification of the Optical Properties of Zirconia Based Ceramics for Aesthetic Dental Restorations</i>	
Supervisors	Dr. O.C. Standard, Dr. J.N. Hart, and Prof. C.C. Sorrell	
<i>Master of Engineering (Auckland University, New Zealand)</i>		<i>2012 – 2013 (Graduated)</i>
Major	Medical Devices Technology (Second Class Honours, First Division)	
Thesis	<i>Finite Element Analysis of Implant- Assisted Removable Partial Denture</i>	
Supervisors	Dr. R. Das	
<i>Master of Dental Technology (Otago University, New Zealand)</i>		<i>2009 – 2011 (Graduated)</i>
Major	Dental Technology	
Thesis	<i>The Effect of Loading Conditions on a Kennedy Class I Implant-Assisted Removable Partial Denture</i>	
Supervisors	Dr. J. Arts, Dr. V. Benani, and Prof. M.V. Swain	
<i>Postgraduate Diploma (Otago University, New Zealand)</i>		<i>2008 – 2009 (Graduated)</i>
Major	Dental Technology	
Thesis	<i>Concepts of Prosthodontic Rehabilitation Using Implants</i>	
Supervisors	Dr. J. Arts, Dr. V. Benani	
<i>Dental Technology Degree (Azad Tehran University, Iran)</i>		<i>1996 – 1998 (Graduated)</i>
Major	Dental Technology	
Thesis	None	
Supervisor	None	

PROFESSIONAL EXPERIENCE

Organisation	UNSW Sydney	June 2021 –
Position	Adjunct Associate Lecturer	
Address	P.O. Box 6045, UNSW Kensington, NSW 1465, Australia	
<ul style="list-style-type: none"> • Adjunct Associate Lecturer 		
Organisation	EngDental MasterTech Dental Lab	December 2013 –
Position	General Manager & Owner	
Address	P.O. Box 6045, UNSW Kensington, NSW 1465, Australia	
<ul style="list-style-type: none"> • Investigation of Optical Properties of Dental Zirconia • Preparation of Synthesis of Y-TZP for Dental Application • Hybrid Structure Investigation of Zirconia Dental Ceramic and Lithium Disilicate 		
Organisation	MV Dental Lab	December 2013 –
Position	Senior Dental Technologist	
Address	18 Holborn Cct, Gledswood hills, NSW 2577	
<ul style="list-style-type: none"> • Fabrication of Ceramic Dental Restorations • Digital Design and CAD/CAM Dental Technology • Digital Dental Design • Implant Dental Restorations and All on X 		
Organisation	Sydney Dental Specialist	August 2020 – July 2021
Position	Senior Dental Technologist	
Address	48 Grosvenor St, Woollahra NSW 2025	
<ul style="list-style-type: none"> • Fabrication of Ceramic Dental Restorations • Digital Design and CAD/CAM Dental Technology • Dental Photography • Digital Dental Design • Implant Dental Restorations 		
Organisation	Master Dental Service Dental Lab	March 2013 – December 2013
Position	Senior Dental Technologist	
Address	5/27 Harvey St., Pyrmont, NSW 2007, Australia	
<ul style="list-style-type: none"> • Fabrication of Fixed Dental Restorations 		
Organisation	Frontier Cosmetic Dental Lab	March 2007 – March 2013
Position	General Manager & Owner	
Address	333 York Place, Dunedin Central, Dunedin 9016, New Zealand	
<ul style="list-style-type: none"> • Investigation of Optical Properties of Fluorapatite Dental Ceramics • Investigation of Thermal Expansion of Leucite-Reinforced Dental Ceramics • Investigation of Modification of Lithium Disilicate Pressing Technique • Investigation of Casting Technique for Fitting of Long-Span Dental Bridge Using Noble Alloys 		
Organisation	Dental Design	April 2006 – March 2007
Position	Manager & Senior Dental Technologist	
Address	139 Abbotts Way, Remuera, Auckland, 2050, New Zealand	
<ul style="list-style-type: none"> • Fabrication of Fixed Dental Restorations 		
Organisation	Creative Dental Ceramics Ltd.	June 2002 – April 2006
Position	Senior Dental Technologist	

Address	<i>43 Hutchinsons Road, Howick, Auckland 2014, New Zealand</i>	
	• Fabrication of Fixed Dental Restorations	
Organisation	<i>Western Crown and Bridge Laboratory</i>	<i>March 2002 – June 2002</i>
Position	<i>Dental Technologist</i>	
Address	<i>1 Duncan MacLean Link, Western Springs, Auckland 1022, New Zealand</i>	
	• Fabrication of Fixed Dental Restorations	
Organisation	<i>Geddes Dental Group</i>	<i>October 2001 – March 2002</i>
Position	<i>Dental Technologist</i>	
Address	<i>60D Barry's Point Road, Takapuna, Auckland 1022, New Zealand</i>	
	• Fabrication of Removable Dental Restorations	
Organisation	<i>Hoshyar Dental Laboratory</i>	<i>April 2000 – October 2001</i>
Position	<i>Laboratory Manager & Dental Technologist</i>	
Address	<i>208 Pasdaran Street, Tehran, Iran</i>	
	• Fabrication of Fixed Dental Restorations	
Organisation	<i>No. 600 Dental Hospital</i>	<i>August 1998 – April 2000</i>
Position	<i>Dental Technologist</i>	
Address	<i>Karegar Boulevard, Tehran, Iran</i>	
	• Fabrication of Fixed Dental Restorations	

PUBLICATIONS

No.	Refereed Journal Publications	Impact Factor	Number of Citations
[1]	R. Shahmiri*, O.C. Standard, J.N. Hart, N. Gharagozlu, G. Bahmanrokh, Y. Yin, S.S. Mofarah, E. Adabifiroozjaei, R. Webster, and C.C. Sorrell, Role of 3Y-TZP Grain Boundaries in Glazing and Layering, Dental Materials, 2024	4.600	
[2]	R. Shahmiri*, O.C. Standard, J.N. Hart, G. Bahmanrokh, Y. Yin, A. Samiee, N. Gharagozlu, and C.C. Sorrell, Critical Role of Thermal Processing Conditions on Sintering, Layering, and Glazing of Dental Y TZP, Journal of Materials Science, 58 [9]; 3854-3878 (2023)	4.682	1
[3]	R. Shahmiri*, Characterization of self-coloured doped zirconia for aesthetic dental application, International Dental Journal, 73 [Supl 1] S11 (2023)	3.300	
[4]	A. Sameei, R. Shahmiri, C. C. Sorrell, First-Principles Design of Alloy Systems, Part I: Effects of Solute Type, Concentration, and Distribution on Alloying and Mechanical Properties – As-Quenched Dilute Al (Mg, Si) Alloys, Advanced Engineering Materials (2023) doi: 10.1002/adem.202300822	4.122	
[5]	I.I. Kabir, LR Sheppard, R Shahmiri, P Koshy, R Liu, W Joe, A Le, X Lu, W-F Chen, CC Sorrell, Correction to: Contamination of TiO2 thin films spin coated on borosilicate and rutile substrates, Journal of Materials Science, 56 [32] 18341-18343 (2021).	4.682	2
[6]	II Kabir, LR Sheppard, R Shahmiri, R Liu, A Le, X Lu, D Hanaor, W-F Chen, P Koshy, CC Sorrell, Correction to: Contamination of TiO2 thin films spin coated on rutile and soda–lime–silica substrates, Journal of Materials Science, 56 [31] 17874-17875 (2021).	4.682	2
[7]	S.S. Mofarah, L. Schreck, C. Cazorla, X. Zheng, E. Adabifiroozjaei, C. Tsounis, J. Scott, R. Shahmiri, Y. Yao, R. Abbasi, K. Kalatar-Zadeh, Y. Wang, H. Arandiyani,	8.307	19

No.	Refereed Journal Publications	Impact Factor	Number of Citations
	L. Sheppard, E. Doustkhah, P. Koshy, C.C. Sorrell, Highly catalytically active CeO ₂ -x based heterojunction nanostructures with mixed micro/meso-porous architectures, <i>Nanoscale</i> 13 (14), 6764-6771 (2021).		
[8]	G. Bahmanrokh, C. Cazorla, S.S. Mofarah, R. Shahmiri , Y. Yao, I. Ismail, W.-F. Chen, P. Koshy, C.C. Sorrell, Band gap engineering of Ce-doped anatase TiO ₂ through solid solubility mechanisms and new defect equilibria formalism, <i>Nanoscale</i> , 12 [8] 4916-4934 (2020).	8.307	47
[9]	I.I. Kabir, L.R. Sheppard, R. Shahmiri , R. Liu, A. Le, X. Lu, D. Hanaor, W.-F. Chen, P. Koshy, C.C. Sorrell, Contamination of TiO ₂ thin films spin coated on rutile and soda-lime-silica substrates, <i>Journal of Materials Science</i> , 55 [11-12] 8061-8087 (2020).	4.682	5
[10]	I.I. Kabir, L.R. Sheppard, R. Shahmiri , P. Koshy, R. Liu, A. Joe, X. Lu, W.-F. Chen, C.C. Sorrell, Contamination of TiO ₂ thin films spin coated on borosilicate and rutile substrates, <i>Journal of Materials Science</i> , 55 [9] 3774-3794 (2019).	4.682	16
[11]	S.S. Mofarah, E. Adabifiroozjaei, R. Pardehkorram, M.H.N. Assadi, M. Hinterstein, Y. Yao, X. Liu, M.B. Ghasemian, K. Kalantar-Zadeh, R. Mehmood, C. Cazorla, R. Shahmiri , G. Bahmanrokh, S. Bhattacharyya, M.C. Spadaro, J. Arbiol, S. Lim, Y. Xu, H. Arandiyani, J. Scott, P. Koshy, C.C. Sorrell, Coordination polymer to atomically thin, holey, metal-oxide nanosheets for tuning band alignment, <i>Advanced Materials</i> , 31 [52] Paper e1905288 {9 + 72 pp.} (2019).	32.090	38
[12]	R. Shahmiri* , O.C. Standard, J.N. Hart, C.C. Sorrell, Optical properties of zirconia ceramics for esthetic dental restorations: A systematic review, <i>Journal of Prosthetic Dentistry</i> , 119 [1] 36-46 (2018).	4.148	302
[13]	R. Shahmiri* , R. Das, Finite element analysis of implant-assisted removable partial denture: Framework design considerations, <i>Journal of Prosthetic Dentistry</i> , 118 [2] 177-186 (2017).	4.148	26
[14]	R. Shahmiri* , O.C. Standard, J.N. Hart, and C.C. Sorrell, "A Review of the Characteristics and Optimization of Optical Properties of Zirconia Ceramics for Aesthetic Dental Restorations", <i>International Journal of Biology and Biomedical Engineering</i> , 11 [8] 499-507 (2017).	0.220	10
[15]	R. Shahmiri* , R. Das, Finite element analysis of implant-assisted removable partial denture attachment with different matrix designs during bilateral loading. <i>International Journal of Oral & Maxillofacial Implants</i> , 31 [5] e116-e127 (2016).	2.789	17
[16]	R. Shahmiri* , R. Das, V. Bennani, J.M. Aarts, Finite element analysis of an implant-assisted removable partial dental prosthesis during bilateral loading: Occlusal rest position, <i>Journal of Prosthodontics Dentistry</i> , 112 [5] 1126-1133 (2014).	4.148	61
[17]	M.A. Atieh, R.A. Shahmiri , Evaluation of optimal taper of immediately loaded wide-diameter implants: A finite element analysis, <i>Journal of Oral Implantology</i> , 39 [2] 123-132 (2013).	1.546	30
[18]	R. Shahmiri* , V. Bennani, J.M. Aarts, M.A. Atieh, M.V. Swain, Finite element analysis of an implant-assisted removable partial denture, <i>Journal of Prosthodontics</i> , 22 [7] 550-555 (2013).	3.485	29
[19]	R. Shahmiri* , V. Bennani, J.M. Aarts, R. Das, M.V. Swain, Strain distribution in a Kennedy Class I implant assisted removable partial denture under various	0.58	49

No.	Refereed Journal Publications	Impact Factor	Number of Citations
	loading conditions, <i>International Journal of Dentistry</i> , 2013 , Paper 351279 {11 pp.} (2013).		
[20]	R.A. Shahmiri* , M.A. Atieh, Attachments in implant-assisted removable partial dentures: A design dilemma, <i>International Poster Journal of Dental Oral Medicine</i> , 13 [1] Poster 515 (2011).	--	2
[21]	R.A. Shahmiri* , M.A. Atieh, Mandibular Kennedy Class I implant-tooth-borne removable partial denture: A systematic review, <i>Journal of Oral Rehabilitation</i> , 37 [3] 225-234 (2010).	3.558	125
[22]	V. Bennani, R. Shahmiri , A Simple technique to transfer the selected path of insertion of a removable partial denture intraorally. <i>Journal of Prosthetic Dentistry</i> , 101 [1] 73-74 (2009).	4.148	2
No.	Refereed Conference Proceedings	Impact Factor	Number of Citations
[23]	R. Shahmiri, Unveiling Ferroelastic Toughening Mechanisms in 3Y-TZP: A Study of Sintering and Post-Annealing Effects, 63rd Annual Scientific Meeting of the IADRANZ, Cairns, 2024.	--	0
[24]	R. Shahmiri, Design Optimization Engineering of Zirconia Restoration with Digital Dental Technology, Digital Dentistry & Dental Technology, Sydney, 2024	--	0
[25]	R. Shahmiri, Characterization of self-coloured doped zirconia for aesthetic dental application, FDI World Dental Congress, Sydney, Australia, 2023	--	0
[26]	R. Shahmiri, N. Gharagozlu, C. C. Sorrell, Grain boundaries investigation of 3YTP, 62 nd Annual Scientific Meeting of the IADRANZ, Sydney, Australia, 2023.	--	0
[27]	R. Shahmiri, O.C. Standard, J.N. Hart, N. Gharagozlu, A. Samiee, and C. C. Sorrell, EPR Investigation of Dental 3Y-TZP Colour Centres, <i>100th General Session and Exhibition of the International Association of Dental Research</i> , Melbourne, Australia, 2022.	--	0
[28]	A. Samiee, R. Shahmiri, Clustering Phenomena in Dilute Al-Mg Alloys, 8 th International Conference on Solid→ Solid Phase Transformations in Inorganic Materials, China, 2022	--	0
[29]	R. Shahmiri, How to Prevent Cohesive Fracture of Layered Zirconia, <i>61th International Annual Congress of Iranian Dental Association</i> , Tehran, Iran, 2022	--	0
[30]	R. Shahmiri, O. Standard, J. Hart, C. C. Sorrell, Effect of Laboratory Procedures on Optical Properties of Full-Ceramic Restorations, <i>19th Congress of Iranian Association of Prosthodontist and 2nd Seminar of Digital Dentistry</i> , Tehran, Iran, 2020.	--	0
[31]	R. Shahmiri, Investigation of Optical Properties and Colour of Dental Zirconia: Effect of Laboratory Procedure of Atomic Structure of Material, <i>28th Annual Scientific Dental Prosthetic Congress</i> , Tehran, Iran, 2019	--	0
[32]	R. Shahmiri, O. Standard, J. Hart, C. C. Sorrell, Investigation of Optical Properties of Y-TZP for Aesthetic Dental Application: Effect of Oxygen Vacancy, <i>International Association of Dental Research (IADR) conference</i> . Adelaide, Australia, 2017.	--	0
[33]	R. Shahmiri, O. Standard, J. Hart, C. C. Sorrell, Characterization and Modification of the Optical Properties of Zirconia Ceramics for Aesthetic Dental Restorations: A Review. <i>ICBBE: 17th International Conference on Biomechanics and Biomedical Engineering</i> , Dubai, United Arab Emirates, 2015.	--	0

No.	Refereed Journal Publications	Impact Factor	Number of Citations
[34]	R. Shahmiri, C. Davies, and R. Das, Comparison of femoral resurfacing implant design and short stem hip implant, <i>8th Australian Congress on Applied Mechanics</i> . ACAM, Melbourne, 2014.	--	0
[35]	R. Shahmiri and R. Das, Finite element analysis of an implant-assisted removable partial denture with different positions of the rest arm, <i>Proceedings of the 7th Australian Congress on Applied Mechanics</i> . ACAM, Adelaide, 2012.	--	3
No.	Theses	Impact Factor	Number of Citations
[36]	R. Shahmiri, Characterisation and Modification of the Optical Properties of Zirconia-Based Ceramics for Aesthetic Dental Restorations, UNSW Sydney, 2021	--	0
[37]	R. Shahmiri, <i>Finite Element Analysis of Implant- Assisted Removable Partial Denture</i> . Auckland University, Auckland, 2013.	--	0
[38]	R. Shahmiri, <i>The Effect of Loading Conditions on a Kennedy Class I Implant-Assisted Removable Partial Denture</i> . University of Otago, Dunedin, 2011.	--	1
[39]	R. Shahmiri, <i>Concepts of Prosthodontic Rehabilitation Using Implants</i> . University of Otago, Dunedin, 2009.	--	0
*Corresponding Author			

CITATION OVERVIEW

Service	Number of Publications	Number of Citations		Number of Citations/Publication	h-Index
		Total	Excluding Self		
Google Scholar	21	789	--	37.57	12
Research Gate	25	410	--	16.40	8
Scopus	16	381	--	23.81	10
ISI Web of Knowledge	16	387	331	24.19	11
Mendeley	11	137	--	12.45	9

CONFERENCE PRESENTATIONS

Conference	Venue	Year
Oral		
<i>63rd Annual Scientific Meeting of the IADRANZ</i>	Cairns	2024
<i>Digital Dentistry & Dental Technology</i>	Sydney	2024
<i>Digital Implant Dentistry</i>	On-line	2023
<i>62nd Annual Scientific Meeting of the IADRANZ</i>	Sydney	2023
<i>FDI World Dental Congress</i>	Sydney	2023
<i>8th International Conference on Solid→ Solid Phase Transformations in Inorganic Materials</i>	China	2022
<i>61th International Annual Congress of Iranian Dental Association</i>	Tehran	2022
<i>Arpamed Dental Institute Seminars</i>	Webinar	2021

<i>Arpamed Dental Institute Seminars</i>	Webinar	2021
<i>Prosthodontics Seminars</i>	On-Line	2020
<i>19th Congress of Iranian Association of Prosthodontist and 2nd Seminar of Digital Dentistry</i>	Tehran	2020
<i>Prosthodontics Seminars</i>	On-Line	2020
<i>Arpamed Dental Institute Seminars</i>	Webinar	2020
<i>Prosthodontics Seminars</i>	On-line	2020
<i>58th Exhibition and Congress of the Iranian Dental Association (EXCIDA)</i> Invited	Tehran	2020
<i>Arpamed Dental Institute Seminars</i>	Webinar	2019
<i>28th Annual Scientific Dental Prosthetic Congress</i> Invited	Tehran	2019
<i>8th Australasian Congress on Applied Mechanics (ACAM)</i>	Melbourne	2017
<i>International Conference on Biomedical and Bioinformatics Engineering (ICBBE)</i>	Dubai	2015
<i>7th Australasian Congress on Applied Mechanics (ACAM)</i>	Adelaide	2012
Poster		
<i>International Association of Dental Research (IADR)</i>	Melbourne	2022
<i>International Association of Dental Research (IADR)</i>	Adelaide	2017
<i>International Association of Dental Research (IADR)</i>	Adelaide	2014
<i>International Association of Dental Research (IADR)</i>	Barcelona	2010
<i>International Team of Implantology (ITI)</i>	Geneva	2010

Peer Review	Year
<i>Surface texture designs to improve the core–veneer bond strength of zirconia restorations by digital light processing, Materials</i>	2023
<i>Construction of Nanostructured Glass-Zirconia to Improve the Interface Stability of Dental Bilayer Zirconia, Nanomaterials</i>	2022
<i>Detection and Sensing of oral xenobiotics in edentulous patients rehabilitated with titanium dental implants: insights from a scoping review, Journal of Prosthetic dentistry</i>	2022
<i>A Smart Digital Workflow Towards High Precision and Throughput Production for Removable Partial Dentures, Grant review, National Medical Research Council (Singapore), Grant Proposal ID: CSAINV20nov-0006</i>	2021

SEMINAR (S), WORKSHOP (W), AND SHORT-COURSE (SC) ATTENDANCE

Title	Venue	Year
<i>63rd Annual Scientific Meeting of the IADRANZ</i>	S Cairns	2024
<i>Digital Dentistry & Dental Technology</i>	S Sydney	2024
<i>Digital Dental Implantology</i>	S Sydney	2023
<i>FDI World Dental Congress</i>	S Sydney	2023
<i>62nd Annual Scientific Meeting of the IADRANZ</i>	S Sydney	2023
<i>Digital Dental Technology</i>	S Sydney	2022
<i>Biomaterials</i>	S Sydney	2021
<i>Grant Writing Course: Writing a Winning Grant Application</i>	S Sydney	2021
<i>Soft Tissue and Ceramic Restorations</i>	S Sydney	2018
<i>International Association for Dental Research Biannual Meeting</i>	S Adelaide	2017
<i>International Conference on Biomechanics and Biomedical Engineering</i>	S Dubai	2015
<i>Nobel Biocare Symposium</i>	W Sydney	2015

Title		Venue	Year
<i>Restorative Dentistry</i>	S	Sydney	2013
<i>Finite Element Analysis and Design (12 weeks)</i>	SC	Dunedin	2009
<i>Oral Rehabilitation in Fixed Prosthodontics</i>	W	Los Angeles	2007
<i>All-Ceramic Achievements for Aesthetic Restorations</i>	W	Los Angeles	2007
<i>International Team of Implantology (ITI)</i>	S	Auckland	2007
<i>New Horizons with NobelEsthetics and Procera Dental Implant</i>	S	Auckland	2007
<i>Use of NobelGuide Implant Placement in Fully and Partially Edentulous Patients</i>	S	Auckland	2006
<i>Tapered and Parallel Walled Implants</i>	S	Auckland	2006
<i>Developing Skills with NobelGuide Dental Implant</i>	W	Auckland	2006
<i>Procera Solutions for Teeth and Implants</i>	S	Auckland	2006
<i>IPS e.max Advanced Ceramic</i>	W	Auckland	2006
<i>Functional Dental Aesthetics: Clinical and Laboratory Applications</i>	W	Auckland	2006
<i>Master Class in Dental Ceramics</i>	W	Melbourne	2004
<i>IPS Empress Dental Esthetic Workshop</i>	W	Auckland	2004
<i>Vita Workshop VM9</i>	W	Auckland	2003
<i>Vita Workshop VM7</i>	W	Auckland	2003
<i>IPS Classic Workshop</i>	W	Tehran	2002

ACCREDITATION

Organisation	Year
<i>Member, Academy of Dental Materials</i>	2023
<i>Member, Engineers Australia</i>	2014
<i>Registration, Dental Technology Board of NSW (now Dental Technicians Registration Board of NSW)</i>	2004
<i>Registration, Dental Technology and Dental Prosthetics Board of Queensland</i>	2004
<i>New Zealand Dental Technology Registration, Dental Council</i>	2002

PROFESSIONAL INVITATIONS

Journal	Impact Factor	Years
Book Authorship		
<i>Monolithic Dental Zirconia. Cambridge Scholars Publishing</i>	--	2020
<i>FEA of Implant-Assisted Removable Partial Dentures. Lambert Academic Publishing</i>	--	2017
Book Chapter Authorship		
<i>Restorative Dentistry. IntechOpen</i>	--	2020
<i>Finite Element Methods and their Applications. IntechOpen</i>	--	2020
Journal Editorial Boards		
<i>Journal of Prosthetic Dentistry</i>	4.148	2023
<i>Journal of Orthodontics and Craniofacial Research</i>	1.318	2018
<i>Aesthetic Surgery Journal</i>	3.779	2018
<i>Material Science and Engineering with Advanced Research</i>	1.271	2017
Journal Refereeing		
<i>Journal of Prosthetic Dentistry</i>	4.148	2024
<i>Materials</i>	3.748	2023
<i>Nanomaterials</i>	5.719	2023

<i>Journal of Prosthetic Dentistry</i>	4.148	2022
<i>Journal of Physics and Chemistry of Solids</i>	3.442	2020
<i>International Journal of Modern Pharmaceutical Research</i>	5.273	2020
<i>Journal of Clinical Medicine</i>	3.303	2020
<i>Computer Methods in Biomechanics and Biomedical Engineering</i>	1.180	2020
<i>Oral Health and Dentistry</i>	4.300	2020
<i>Journal of Biomechanics</i>	2.320	2020
<i>Journal of Dentistry, Oral Disorders and Therapy</i>	3.600	2020
<i>BioMed Research International</i>	2.476	2020
<i>International Journal of Modern Research In Engineering and Management</i>	4.364	2018
<i>International Journal of Current Research</i>	7.766	2018
<i>Asian Journal of Sciences and Technology</i>	6.946	2018
<i>Inorganic Chemistry</i>	4.825	2017
<i>Computers in Biology and Medicine</i>	3.434	2016
<i>European Journal of Oral Sciences</i>	2.220	2016
<i>Journal of Orthopaedic Science</i>	1.259	2016
<i>The American Ceramic Society</i>	3.094	2016
<i>Bone Reports</i>	2.080	2015
<i>Journal of Oral Implantology</i>	1.424	2015

TEACHING EXPERIENCE

Course	Institution
<i>Optical Properties of Dental Zirconia</i>	<i>Tehran Dental School, Department of Dental Prosthodontics, Tehran</i>
<i>Optical Properties of Dental Zirconia</i>	<i>Arpamed, Tehran</i>
<i>Porcelain-Fused to-Metal Restorations</i>	<i>Faculty of Dentistry, Otago University, Dunedin</i>

AWARDS & GRANTS

Award / Grant	Amount	Date
<i>Highly Cited Paper (Top 1%, Clinical Medicine), Web of Science (January-July)</i>	--	2019
<i>Promoting High Quality Research Papers Scheme (PHQRP) Award, UNSW Sydney</i>	A\$1,000	2019
<i>Research Travel Award</i>	A\$3,300	2015
<i>Australian Postgraduate Award (APA)</i>	A\$250,000	2015
<i>Australian Postgraduate Awards Top Up</i>	A\$3,000	2015
<i>Otago University Departmental Award</i>	NZ\$600	2008
<i>Otago University Faculty of Dentistry Grant</i>	NZ\$2900	2009

SPECIALISED ANALYTICAL TECHNIQUES CAPABILITIES

Technique	Acronym	Years
Mineralogical Analyses		
X-Ray Diffraction Analysis	XRD	2008 –
Laser Raman Microspectroscopy	Raman	2015 –
Microscopy		
Scanning Electron Microscopy	SEM	2008 –
Energy Dispersive Spectroscopy	EDS	2015 –
Electron Backscattered Diffraction	EBSD	2018 –
Transmission Electron Microscopy	TEM	2017 –
Spectroscopy		

Ultraviolet-Visible Spectrophotometry	UV-Vis	2016 –
X-Ray Photoelectron Spectroscopy	XPS	2018 –
Photoluminescence Spectroscopy	PL	2018 –
Electron Paramagnetic Resonance Spectroscopy	EPR	2018 –
Time-of-Flight Secondary Ion Mass Spectrometry	ToF-SIMS	2017 –
Simulation		
Finite Element Analysis	FEA	2010 –
Density Functional Theory MD	DFT	2016 –
Computer-Aided Design / Computer-Aided Manufacturing	CAD/CAM	2007 –

RESEARCH INTERESTS

<ul style="list-style-type: none"> • Physics and Chemistry of Materials of Interfaces • Characterisation of Interfaces • Molecular Dynamics (MD) and Density Functional Theory (DFT) Simulations • Synthesis and Characterisation of Dental Bioceramics • Tissue Engineering

SPORTS ACTIVITIES

Category	Placing	Year
State Championships, Australia Duathlon, Triathlon Australia, Sydney	4 th	2017
Australian Team, World Grand Final Triathlon, International Triathlon Union, Mexico	--	2016
Elite Oceania Cup Championship, Oceania Triathlon Union, Fiji	3 rd	2016
Australian National Championships, Triathlon, Wollongong	2 nd	2016
Australian Qualifying Race for World Championship, Triathlon Australia, Gold Coast	4 th	2016
Australian State Championships, Triathlon Australia, Batemans Bay	1 st	2015
Elite Asian Continental Cup Championship, Asian Triathlon Confederation, Hong Kong	42 nd	2015
World Grand Final Championships, International Triathlon Union, Edmonton	35 th	2014
World Cup Triathlon, International Triathlon Union, Mooloolaba	23 th	2013
World Grand Final Championships, International Triathlon Union, London	36 th	2013
Panasonic Triathlon Series, New Zealand Triathlon, Auckland	6 th	2013
World Grand Final Championships, International Triathlon Union, Auckland	67 th	2012

EXTRACURRICULAR ACTIVITIES

Activity	Organisation	Years
Member, Sydney	<i>Coogee Triathlon Club</i>	2016 –
Member, Sydney	<i>Australia Triathlon</i>	2013 –
Member, Sydney	<i>TriAction Club</i>	2013 – 2016
Member, Auckland	<i>Triathlon AgeGroup Coaching & Training</i>	2012 – 2013
Volunteer, Primary Care, Auckland/Dunedin	<i>St John Ambulance</i>	2003 – 2010
Volunteer, Swim Coach, Primary School, Auckland	<i>Swimming New Zealand</i>	2003 – 2005
Instructor, Swimming, Auckland	<i>Swimming New Zealand</i>	2003 – 2013
Lifeguard, Auckland	<i>Swimming New Zealand</i>	2003 – 2013