Faculty Profile

NAME		
Abdul Samad	Khan	
Position	Associate Professor	
College	College of Dentistry	
Department	Restorative Dental Sciences	
Phone	013-	
	Arabic Name	
	الوظيفه	
	الكلية	
	القسم	
	الهاتف	
	https://scholorgraph.com/siteCompOversal CovDCEAAAA 10hl an	
Google Scholar	https://scholar.google.com/citations?user=J-3yRfEAAAAJ&hl=en	
Link		
Research Gate Link	https://www.researchgate.net/profile/Abdul_Khan219	
Researcher ID	40096974	
(Web of Science)		
Scopus Author ID	https://www.scopus.com/dashboard.uri?origin=searchbasic&zone=TopNavBar	
ORCID#	0000-0002-2165-800X	
Research Areas of	Dental Composites, Adhesives, Bioceramics, Reinforced Glass Fibre	
Interest	Composites, Electrospinning, Tissue Regeneration, Vibrational Spectroscopy	

IAU Dent Bio sketch

Dr. Name: Abdul Samad Khan

Rank: Associate Professor

Personal Data

Personal Data

Nationality | Pakistan

Date of Birth | 27th September 1976

Department | Restorative Dental Sciences

Official Email | akhan@iau.edu.sa

Office Phone No. | Mobile: 0594781075

Language Proficiency

Language Tronsiency				
Language	Read	Write	Speak	
English	✓	✓	✓	
Others (Urdu)	√	✓	√	

Academic Qualifications (Beginning with most recent)

Date	Academic Degree	Specialty	Place of Issue	Address
2014	Postdoctoral Research	Biomaterials	United Kingdom	School of Engineering and Materials Sciences, University of Sheffield, Sheffield, United Kingdom
2009	PhD	Dental Biomaterials	United Kingdom	School of Engineering and Materials Science, Queen Mary University of London, United Kingdom
2005	MSc.	Dental Materials	United Kingdom	Department of Materials, Queen Mary University of London, United Kingdom
1999	BDS	Dentistry	Pakistan	Nishtar Medical College, Multan, Pakistan

PhD, Master or Fellowship Research Title (Academic Honors or Distinction)

Doctorate	A Novel Bioactive Nano-Composite: Synthesis and Characterisation with Potential Use as Dental Restorative Material
Master	Comparison of viscoelastic properties of pre-impregnated reinforced glass fibre with resin based hybrid composite (Distinction)
Fellowship	Higher Education

Professional Record: (Beginning with most recent)

Job Rank	Specialty/Department	Place and Address of Work	Date
Associate Professor Dental Biomaterials	Dental Biomaterials	Department of Restorative Dentistry, College of Dentistry, University of Dammam, Saudi Arabia	June 2016 – To Date
Associate Professor Dental Materials	Dental Biomaterials	Interdisciplinary Research Centre in Biomedical Materials, COMSATS Institute of Information Technology, Lahore, Pakistan	Aug 2011 – June 2016
Postdoctorate Research Associate	Dental Biomaterials	The Kroto Research Institute, Department Material Sciences and Engineering, University of Sheffield, United Kingdom	Oct 2013 – Feb 2014
Assistant Professor Dental Materials	Dental Biomaterials	Interdisciplinary Research Centre in Biomedical Materials, COMSATS Institute of Information Technology, Lahore, Pakistan	July 2010 – Aug 2011
Demonstrator	Dental Biomaterials	School of Engineering and Materials Science, Queen Mary University of London, United Kingdom	Sept 2006 – Mar 2010
Research Assistant	Biomaterials	School of Engineering and Materials Science, Queen Mary University of London, United Kingdom	May 2007 – Dec 2007
Demonstrator	Dental Materials	Margalla Institute of Health Sciences, Rawalpindi, Pakistan	Jan 2004 – Sept 2004
Demonstrator	Dental Materials	Islamabad Medical and Dental College, Islamabad, Pakistan	Mar 2001 – Jan 2004
House Office	Dentistry	Pakistan Institute of Medical Sciences, Islamabad, Pakistan	Oct 1999 – Oct 2000
Visiting Associate Professor	Dental Materials	Hamdard Medical and Dental College, Hamdard University, Karachi, Pakistan	2015 – To Date
Visiting Associate Professor	Dental Materials	De'Montmorency College of Dentistry, Lahore, Pakistan	2015 – To Date
Visiting Associate Professor	Dental Materials	University of Health Sciences, Lahore, Pakistan	2015-2016
Visiting Lecturer	Dental Materials	Institute of Dentistry, Queen Mary University of London, United Kingdom	2013 - 2015

Board Certification

Certifying Organization	Specialty	Date Certified

Administrative Positions Held: (Beginning with most recent)

Administrative Position	Office	Date
Incharge Research	Interdisciplinary Research Centre in Biomedical Materials, COMSATS University Islamabad, Lahore Campus, Pakistan	2011-2016
Incharge Laboratory, Health & Safety	Interdisciplinary Research Centre in Biomedical Materials, COMSATS University Islamabad, Lahore Campus, Pakistan	2011-2016

SCIENTIFIC ACHIEVEMENTS

PUBLISHED WORKS (For the most recent five years, list articles in which you were the principal author that appeared in refereed journals or textbooks, by author(s), title, publication, and date)

Author(s)	Title	Publication	Date
K.S. Almulhim, A.S. Khan , H. Alabdulghani, S. Albasarah, Y. Al- Dulaijan, F.D. al-Qarni	Effect of ageing process and brushing color stability and surface roughness treated white spot lesions: an in vituanalysis	Dentistry, 2021: 13 (October): 413- 419	2021
S.S.B. Qasim, D. Ali, A.S. Khan , S.U. Rehman, A. Iqbal, J.K Baskaradoss.	An evidence based bibliometric ana on silver diamine fluoride use in de	Biomed Research International. 2021; 2021 (September): Article ID 9917408	2021
Daood, U., Bapat, R.A., Sidhu, P., M.S., Khan, A.S ., Mak, K.K., Pichil M.R., Nagendrababu, V. and Pete O.A	k21-E in Root Canal Disinfection	Dental Materials. 2021: 37(10):1511- 1528	2021
	Five decades of the International Endodontic Journal: bibliometric overview 1967-2020	International Endodontic Journal, 2021: 54(10): 1819-1839	2021
A.S. Khan	Effect of Ultrasonic Vibration on Structural and Physical Properties c Resin-Based Dental Composites	Polymers 2021, 13(13), 2054	2021
J. Bukhari, A.S. Khan, K. Ijaz, S. Za A.A. Chaudhry, M. Kaleem	Low temperature flow synthesis assurethane grafted zinc oxide based composites: Physical, mechanical, a antibacterial responses	Journal of Materials Sciences: Materials in Medicine, 2021;32(8):87	2021
Z. Malik, D.Q. Butt, Z.Q. Butt, N. Muhammad, M. Kaleem, S. Liaqa M.A. Khan, A.S. Khan	Evolution of Anticariogenic Resin- Modified Glass Ionomer Cements	ChemBioEng Reviews, 2021: 8(4): 326-336	2021
M.T. Khan, F. Moeen, S.Z. Safi, F. A. Mansoor, A.S. Khan	The structural, physical and in vitro biological performance of freshly m and set endodontic sealers	European Endodontic Journal. 2021; 6(1): 98-109	2021
U. Siddiqui, H. Khalid, S. Ghafoor, Javaid, A. Asif, A.S. Khan	Analyses on mechanical and physic performances of nano-apatite graft glass fibers based dental composite	Materials Chemistry and Physics, 2021: 263(Apr):124188	2021
	The Trends of Dental Biomaterials Research and Future Directions: A Mapping Review	Saudi Dental Journal, 2021: 33(5): 229-238.	2021



I. Farooq, A.S. Khan , I.A. Moheet	Preparation of a toothpaste contair	Dental Materials Journal. 2021;	2021
AlShwaimi	theobromine and fluoridated bioac	40(2):393-398	
	glass and its effect on surface micro		
	hardness and roughness of enamel		
A.S. Khan, Y.K. AlMaimouni, M.A		, ,	2021
Benrashed, N.I. Alyousef, U. Sidd			
N. Ahmad, I.S. Ateeq, A.S. Hakeer	of nano-apatite grafted glass fibre-l		
	endodontic posts		
H. Gul, M.A. Ghaffar, M. Kaleem,	Hydroxyapatite, a Potent Agent to	The Journal of the Pakistan Medical	2021
Khan	Reduce Dentin Hypersensitivity	Association, 2021: 71: 2604	
		Mechanics of Advanced Materials and	
Ahmad, A.S. Khan , S. Miran	the concept of 3D printing to invest		2021
	the effect of implant type and poro		
	on patient's bone condition		
F. Naz, A.S. Khan , M. Kader, L. Al	Comparative evaluation of mechan	Saudi Dental Journal, 2021: 33; 666-	2021
Geblan, N. Mousa, R. Asiri, A.S.	and physical properties of a new bu		
Hakeem	alkasite with conventional restorati		
K Alman A C Klass A Tabassus	materials	Francisco I annual of Doubleton 2020	2020
K. Almas, A.S. Khan, A. Tabassum		European Journal of Dentistry. 2020;	2020
Nazir, A. Afaq, A. Majeed	Practices of Dental Professionals du COVID-19 Pandemic in Pakistan	14(S 01): S63-S69	
M. Saleem, S. Zahid, S. Ghafoor, I		Journal of Applied Polymer Science.	2020
	biological analysis of bioactive fiber		2020
A. Asif, A.S. Khan	based dental composite	2021, 136(16). 630336	
	Bibliometric Analysis of Literature	Polymers. 2020. 12(12), 2848	2020
S. Ahmad, M. Khan, M. Aashiq	Published on Antibacterial Dental	Folymers. 2020. 12(12), 2040	2020
3. Allillad, W. Kliall, W. Adshiq	Adhesive from 1996–2020		
A.S. Khan* and M. Awais	Low-Cost Deposition of Antibacteria	Coatings, 2020: 10: 880	2020
7.10.7.11.0.1	Substituted Hydroxyapatite Coating	=	
	onto 316L Stainless Steel for Biome		
	and Dental Applications		
H.IArbildo-Vega, B. Lapinska, S.	Clinical effectiveness of bulk-fill and	Polymer, 2020: 12: 1786	2020
Panda. C. Lamas-Lara, A.S. Khan,	conventional resin composite	,	
Lukomska-Szymanska	restorations. Systematic review and		
·	meta-analysis		
N. Hussain, H. Khalid, Y.K.	Microwave assisted urethane	Journal of Bioactive and Compatible	2020
AlMaimouni, , S. Ikram, S.	grafted nano-apatites for dental	Polymers, 2020: 35: 479-490	
Uddin, A. Talal, A.S. Khan	adhesives	• ,	
·			
M.R. Syed, N.Z. Bano, S.	Synthesis and characterization of	Ceramics International. 2020: 46:	2020
Ghafoor, H. Khalid, S. Zahid, U.	bioactive glass fiber-based dental	21623-21631	
Siddiqui, A.S. Hakeem, M.	restorative composite		
Kaleem, A. Asif, A.S. Khan			
AA Cabin A Ali II Cilli II I	Countly as is an all all and a line of the country	Lavoral of Biometry' L. C.	2020
M. Sabir, A. Ali, U. Siddiqui, N.	Synthesis and characterization of	Journal of Biomaterials Science:	2020
Muhammad, A.S. Khan, F.	cellulose/ hydroxyapatite based	Polymer Edition. 2020; 31: 1806-	
Sharif, F. Iqbal, A.T. Shah, I.U.	dental restorative composites	1819.	
Rehman			
L. Mishra, A.S. Khan, M.M.A.C.	Effects of surface treatments of	Materials. 2020: 13(8):1967	2020
Velo, S. Panda, A. Zavattini,	glass fiber reinforced post on		2020
velo, J. i aliua, A. Zavattilli,	giass inser relinionced post off		

F.A.P. Rizzante, H.I.A. Vega, S.	bond strength to root dentine: A		
Sauro, M. Lukomska-	systematic review		
Szymanska			
A.S. Khan, S. Ali, I. Farooq, S. Ahmed, A.S. Hakeem.	Comparative evaluation of two chelating agents in collagen fiber network modification over dentinal tubules: An in vitro analysis	Saudi Pharmaceutical Journal. 2020: 28: 657-661	2020
Q.A. Malik, S. Iftikhar, S. Zahid, S.Z. Safi, A.F. Khan, N. Muhammad, S. Ghafoor, A.S. Khan*, A.T. Shah	Smart Injectable Self-Setting Bioceramics for Dental Applications	Materials Science and Engineering C, 2020: 133: 110956	2020
H. Malik, L. Shehzadi, R. Batool, S.Z. Safi, A.S. Khan, A.F. Khan, A.A. Chaudhry, I. Reman, M. Yar	Thyroxine-loaded chitosan/carboxymethyl cellulose/hydroxyapatite hydrogels enhance angiogenesis in ex-ovo experiments	International Journal of Biological Macromolecules, 2020:145:1162- 1170	2020
Y. AlMaimouni, S. Khalid, K. Ilyas, A.T. Shah, A. Majeed, A.S. Khan	Structural, fluoride release, and 3-D interfacial adhesion analysis of bioactive endodontic sealers	Dental Materials Journal, 2020:39(3):483-489.	2020
S. Khalid, A. Rafique, A.S. Khan	Application of natural crosslinkers on tooth surface: an in-vitro comparative evaluation of resin-dentin bond strength	Journal of The Pakistan Medical Association, 2020: 70: 1363	2020
H. Gul, M. Nayyer, M. Gilani, N. Aman, A.A. Azad, A.T. Shah, A.A. Chaudhry, M. Kaleem, A.S. Khan	Comparative fluoride release and antimicrobial analysis of commercial and experimental bioactive	European Journal of Dentistry, 2020:14:38-44.	2020
D. Anthoney, S. Zahid, H. Khalid, A.T. Shah, A.A. Chaudhry, A.S. Khan	Effectiveness of thymoquinone and fluoridated- bioactive glass/nano-oxide contained dentifrices on abrasion and dentine tubules occlusion: An ex vivo study	European Journal of Dentistry. 2020: 14:45-54.	2020
Khan AS, Farooq I, Alakrawi KM, Khalid H, Waqas O, Hakeem AS.	Dentin tubule occlusion potential of novel dentifrices having fluoride containing bioactive glass and zinc oxide nanoparticles	Medical Principles and Practice, 2020: 29:338-346	2020
F. Saeed, N. Muhammad, A.S. Khan, F. Sharif, A. Rahim, P. Ahmad, M. Irfan	Prosthodontics dental materials: From conventional to unconventional	Materials Science and Engineering C, 2020: 106: 110167	2020



A.T. Shah, S. Zahid, F. Ikram, M. Maqbool, A.A. Chaudhry, M.I. Rahim, F. Schmidt, O. Goerke, A.S. Khan, I.U. Rehman	Tri-layered functionally graded membrane for potential application in periodontal regeneration	Materials Science and Engineering C, 2019: 103: 109812	2019
H. Firzok, S. Zahid, S. Asad, F. Manzoor, A.S. Khan, A.T. Shah	Sol-Gel derived fluoridated and non-fluoridated bioactive glass ceramics-based dental adhesives: Compositional effect on remineralization around orthodontic brackets	Journal of Non-Crystalline Solids, 2019: 521: 119469	2019
A. Qaiser, S. Hussain, N. Yazdani, H. Khalid, A.S. Khan	Effect of Lignocaine addition on the properties of Irreversible Hydrocolloid Impression Material	Journal of Ayub Medical College, 2019: 31: 359-363	2019
A.A. AlSubaie, Z. Sarfraz, A.A. AlAli, A.E. AlEssa, H.A. AlSubaie, A.T. Shah, A.S. Khan	The effect of nano-zinc oxide and fluoride-doped bioactive glass based dentifrices on esthetic restorations	Dental and Medical Problems, 2019, 56(1):59-65	2019
S. Zahid, A.S. Khan, A.A. Chaudhry, S. Ghafoor, Q. Malik, G. Oliver, A. Raza, I. Rahim, I.U. Rehman, A.T. Shah	Fabrication, in vitro and in vivo studies of bilayer composite membrane for periodontal guided tissue regeneration	Journal of Biomaterials Applications, 2019, 33:967-978	2019
N. Iqbal, A.S. Khan, A. Asif, M. Yar, J. Haycock, I.U. Rehman	Recent concepts in biodegradable materials for tissue engineering paradigms: A critical review	International Materials Review, 2019, 64:2, 91-126	2019
A.S. Khan and M.R. Syed	A review on bioceramic based dental restorative materials	Dental Materials Journal, 2019, 38(2):163-176	2019
H. Khalid, F. Suhaib, S. Zahid, S. Ahmed, A. Jamal, M. Kaleem, A.S. Khan	Microwave-assisted synthesis and in vitro osteogenic analysis of novel bioactive glass fibers for biomedical and dental applications	Biomedical Materials, 2018: 14: 015005	2018
H. Gul, S. Zahid, S. Zahid, M. Kaleem, A.S. Khan, A.T. Shah	Sol-gel derived fluoride-doped bioactive glass powders: Structural and long-term fluoride release/pH analysis	Journal of Non-Crystalline Solids, 2018: 498: 216-222	2018
K. Ilyas, S. Qureshi, S. Afzal, R. Gul, M. Yar, M. Kaleem, A.S. Khan	Microwave Assisted Synthesis and Evaluation of Type 1 Collagen-Apatite Composites for Dental Tissue Regeneration	Journal of Biomaterials Applications, 2018: 33: 103-115	2018
M.E. Haq and A.S. Khan	A retrospective study of causes, management and complications of pediatric facial fractures	European Journal of Dentistry, 2018: 12: 247-252	2018

H. Khalid, M.R. Syed, M.I. Rahbar, H. Iqbal, S. Ahmad, M. Kaleem, J.P. Matinlinna, A.S. Khan	Effect of Nano-Bioceramics on Monomer Leaching and Degree of Conversion of Resin-based Composites	Dental Materials Journal, 2018: 37:940-949	2018
M. Nayyer, S. Zahid, S.H. Hassan, S.A Mian, S. Mehmood, H.A Khan, M. Kaleem, M.S. Zafar, A.S. Khan	Comparative abrasive wear resistance and surface analysis of dental resin-based materials	European Journal of Dentistry, 2018: 12: 57-66	2018
A.T. Shah, Q. Ain, A.A. Chaudhry, S. Ahmad, F. Zarif, S.A. Siddiqi, S.B. Qasim, O. Gorke, A.S. Khan, I.U. Rehman	Acid catalysed synthesis of bioactive glass by evaporation induced self assembly method	Journal of Non-Crystalline Solids, 2018: 479: 1-8	2018
A. Siddiqi, A.S. Khan, S. Zafar	Thirty years of translational research in zirconia dental implants: A systematic review of the literature	Journal of Oral Implantology, 2017: 43: 314-325	2017
A.S. Khan, A.N. Hussain, L. Sidrah, Z. Sarfraz, H. Khalid, F. Manzoor, L. Shahzadi, M. Yar, I.U. Rehman	Fabrication and evaluation of hydroxyapatite/carbon nanotube electrospun fibers for dental application	Materials Science and Engineering C, 2017: 80: 387-396	2017
A.S. Khan, H. Khalid, Z. Sarfraz, M. Khan, J. Iqbal, N. Muhammad, M.A. Fareed, I.U. Rehman	Vibrational Spectroscopy of Selective Dental Restorative Materials	Applied Spectroscopy Reviews, 2017: 52: 507-540	2017

Other Published Papers

Author(s)	Title	Publication	Date
N. Muhammad, S. Zahid, A.T.	_	RCS Advances, 2016: 6: 70197-7021	2016
Shah, A. Jamal, A. Anwar, A.S. Khan, A.F. Khan, I.U. Rehman	and their composites		
· · · · · · · · · · · · · · · · · · ·	NA a differentia na lina albara i ana anno a sana	International January of Malagular	2016
S. Najeeb, Z. Khurshid, M. Zafar, A	_		2016
Khan, S. Zohaib, J. Marti, S. Sauro J.Matinlinna, I. Rehman	nanoceramics	Sciences, 2016: 17: 1134	
Z. Sheikh, A.S. Khan, N. Roohpou	, , ,	Materials Science and Engineering	2016
Glogauer, I.U. Rehman	polyurethane and modified-polyure	2016:68:267-275	
	membrane for periodontal guided t		
A Chab NA Dataal A A Chaudhu	regeneration applications	January of the Markenical Debanic	2016
A. Shah, M. Batool, A,A. Chaudhr	•	Journal of the Mechanical Behavior	2016
A.F. Khan, A.S. Khan, I.U. Rehmar	mechanical strength and biological properties of bioactive glass	Biomedical Materials. 2016: 61: 617	
M. Yar, A. Farooq, L. Shahzadi, A.:	Novel meloxicam releasing electros	Materials Science and Engineering	2016
Khan, N. Mahmood, A. Rauf, A.A.	polymer/ceramic reinforced	2016: 64: 148–156	
Chaudhry, I.U. Rehman	biodegradable membranes for		
	periodontal regeneration application		
C.K.Y. Lung, Z. Sarfraz, A. Habib, A	Effect of silanization of hydroxyapa	Journal of the Mechanical Behavior	2016
Khan, J.P. Matinlinna	fillers on physical and mechanical	Biomedical Materials, 2016, 54C, 28	

	properties of a bis-GMA based resir		
	composite		
B.A. Zai, H. Mehboob, A.S. Khan	Finite Element Method Analysis of a	Journal of Pakistan Dental Associati	2015
	Structure upon Surgically Assisted F		
	Maxillary Expansion with Various Su		
	Procedures		
-	Microwave Assisted Synthesis and	Materials Science and Engineering	2015
M.RA. Kadir, R. Hussain, A.U. Reh	_	2015, 56: 286-293	
J. A. Darr, I.U. Rehman, A.A. Chau	-		
E Abassal A Marris A C Khar A	Bioceramics	I	2015
F. Ahmed, A. Munir, A.S. Khan, A. Chaudhry, M.A.U. Rehman	mechanism in RE-substituted oxide	Journal of Materials Science: Mater	2015
Chaudhry, W.A.O. Kelillian	systems for enhanced thermoelecti		
	performance		
A. Farooq, M Yar, A.S. Khan, L.	•	Materials Science and Engineering (2015
Shahzadi, S.A. Siddiqi, N. Mahmo	· ·	2015: 56: 104-113	2013
Rauf, Z. A. Qureshi, A.A. Chaudhr	-		
Rehman	regeneration		
	Structural, surface and in-vitro bact	Materials. 2015: 8: 3221-3237	2015
	adhesion analysis of dental restorat		
Ahmed, I.U. Rehman	composites		
M. Kaleem, A.S. Khan, I. Rehman,	Effect of beverages on viscoelastic	Materials, 2015: 8: 2863-2872	2015
Wong	properties of resin-based dental		
	composites		
- 1	Applications of Raman Spectroscop	1 1	2015
_	Dentistry: Analysis of Tooth Structu	332-350	
Khan, I.U. Rehman			
	An Updates on Reinforced Glass Fib		2015
Mian, I.U. Rehman	Composites in Dentistry: A Systema Review	2015: 47: 26-39	
C Tottoh A S Khan B M Dolain		Journal of the Mechanical Behavior	2014
G. Tetteh, A.S. Khan, R.M. Delain Smith, G.C. Reilly, I.U. Rehman	· ·	Biomedical Materials, 2014: 39: 95-	
Simili, d.c. Kemy, i.o. Kemian	Scaffolds for bone tissue engineerir		
	The role of solvent and hydroxyapa		
	particles		
M. Mir, S.A. Siddiqi, T. Hussain, A	Synthesis and Characterization of	Ceramics International, 2014: 40: 1	2014
-	Calcium Deficient Apatite Granules	-	
Abbas	Drug Eluting Bone Graft Applicatior		
D. Khan, H.U. Khan, F. Khan, S. Kh	New Cholinesterase Inhibitory	Plos One, 2014: 9: e94952	2014
Badshah, A.S. Khan, A. Samad, F.	Constituents from Lonicera		
Khan, N. Muhammad	quinquelocularis		
	In-situ reaction kinetic analysis of d		2013
Hussain, A.A. Chaudhry, I.U. Rehr		Physics, 2013: 64: 30701	
	Synthesis and characterizations of a		2013
F.S.L. Wong, I.U. Rehman	fluoride-releasing dental restorative	2013: 33: 3458-3464	
NA Von NI NAVoleto o C Afrol A C	material	Asian Januaral of Chambiatan 2012 20	2012
M. Yar, N. Mushtaq, S. Afzal, A.S.	of the effect of various N-substitue	Asian Journal of Chemistry, 2013:25	2013
I.U. Khan, M.N. Akhter et al.	the thermal stabilities of some new		
	diethanolamine derivatives		
	areananoiamine derivatives		

	Synthesis and <i>In-vitro</i> Cytotoxcity Analysis of Microwave Irradiated Na Apatites	Ceramics International, 2013; 39: 4 4347	2013
A.F. Khan, M.A. Younas, A.S. Khar Tabbassam, A.A. Chaudhry, I.U. Rehman	Raman Spectroscopy of Natural Boi Synthetic Apatites	Applied Spectroscopy Reviews, 201 (4): 329-355	2013
A.S. Khan, I.J. McKay, R.A. While y F.S.L. Wong, I.U. Rehman	Structural, mechanical and biocompatibility analyses of a nove restorative nano-composite	Journal of Applied Polymer Science 2013; 127 (1): 439-447	2013
R. Nazir, N.I. Khan, A.S. Khan, A. Ahmad, A. Asif, A.A. Chaudhry, I.I Rehman, R. Hussain		Ceramics International, 2012; 38(1) 462	2012
A.S. Khan, K.R. Hassan, S.F. Bukha F.S.L. Wong, I.U. Rehman	Structural and In-vitro Adhesion An of a Novel Covalently-Coupled Bioa Composite	Journal of Biomedical Materials Res Part B: Applied Biomaterials, 2012; (1): 239–248	2012
Abdul Samad Khan and Ihtesham Rehman	Resin-Based Dental Composites: Nanotechnology, Properties and Applications	Materials Science Research Journal 2012: 6(1/2), 1	2012
A.S. Khan, F.S.L. Wong, I.U. Rehm	Synthesis and in-vitro analysis of a i bioactive nano-composite	NUST Journal of Engineering Scienc 2009; 2: 203-210	2009
A. S. Khan, M. S. Aziz, D. Paul, F. N. I. Rehman	Synthesis and in-vitro analysis of degradative resistance of a novel bioactive composite	Journal of Bionanoscience, 2008; 2:	2008
A.S. Khan, Z. Ahmed, M.J. Edirisin F.S.L. Wong, I. U. Rehman	Preparation and characterization of novel bioactive restorative compos based on covalently coupled polyurethane-nanohydroxyapatite	Acta Biomaterialia, 2008; 4: 1275-1	2008
A. S. Khan, M. J. Phillips, K. E. Tan S. Wong	Comparison of the viscoelastic behat of a pre-impregnated reinforced glat fibre composite with a resin based composite	Dental Materials, 2008; 24: 1534-1!	2008
A.S. Khan, A. Syed, A. Qureshi, S. A. A. Khan	Evaluation of Problems Related to Malpractice and Professionalism in Islamabad Area-A Study	Pakistan Oral and Dental Journal, 20 24 (1): 45-49	2004

Accepted Research Projects

Name of Investigator(s)	Title	Publisher	Date of Publication
Abdul Samad Khan	Effect of Ultrasonic Scaler on Physic and Mechanical Properties of Resin Based Dental Restorative Materials		2018
Abdul Samad Khan	In-vitro Adhesion and Fluoride Rele Analysis of Bioactive Glass Based Endodontic Sealers	Students' Research Grant	2018
Imran Farooq, Emad AlShwaimi, A Samad Khan	Formulation of a novel dentifrice ar effectiveness in occluding dentinal tubules - An in vitro study	Deanship of Scientific Research	2019
Nawshad Muhammad and Abdul Samad Khan	Fabrication of Endodontic Posts by Incorporating Ionic Liquid Pretreate Cellulose- Nanocomposite Material	Pakistan	2018
Abdul Samad Khan	Indigenous development of a novel nanofibrous dental composite for to regeneration	_	2016

Abdul Samad Khan	Synthesis of carbon nanotubes and	Pakistan Science Foundation	2016
	carbonated hydroxyapatite compos		
Abdul Samad Khan	Synthesis and characterisation of a	COMSATS IIT, Pakistan	2016
	Osteoconductive "Monoblock" pos		
	core system for root canal treatmer		
Abdul Samad Khan	Knowledge Development	British Council, UK	2013

Current Researches

Name of Investigator(s)	Title
Abdul Samad Khan, Abdul Majeed, Ahmed Talal, Syed Zubairuddin	Synthesis and Characterization of Drug Loaded Injectable Bioac Material for Bone/Periodontal Regeneration
Rasha AlSheikh, Laila AlDehailan, Abdul Samad Khan	Antibacterial, mechanical and physical properties of an experim coconut oil containing composite resin
Amre Atmeh, Mutasim Mohamed, Abdul Samad Khan	Study of the fracture resistance of endodontically treated teeth minimal thickness of outer coronal tissues restored with bulk o layered posterior composite restorations with cuspal coverage
Abdul Samad Khan	Synthesis and Fabrication of Resin-based Composites and Adhe based on Bioceramics
Abdul Samad Khan	Reinforced Bioactive Glass Fibers composites for dental restora
Abdul Samad Khan	Synthesis of injectable bioactive glass for hard tissue regenerat
Abdul Samad Khan	Synthesis of bioactive/antibacterial toothpastes
Abdul Samad Khan	Grafting the ceramic structures in to the backbone of polymeric chain to develop novel dental material
Abdul Samad Khan	Tissue Engineering scaffolds via Electrospinning, Solvent Castin fabricate periodontal membranes

Books/Chapters

Name of Investigator(s)	Book Title	Report Date
Mashael Abdullah Benrashed, Nujood Ibrahim Alyousef, No Hadi AlQahtani, Yara Khalid AlMaimouni, Maria Khan, Abdu Samad Khan		2022, Elsevier, USA
A.T. Shah, S. Attique, M.A. Rehman, A.S. Khan, O. Goerke	Silica-based antibacterial coafor dental implants, In: Dental Implants Materials, Coatings Surface Modifications and Interfaces with Oral Tissues	· · · · · · · · · · · · · · · · · · ·
Y.K. AlMaimouni, M.A. Benrashed, N.I. Alyousef, A.T. Shah, , Khan	Bioactive glass coated denta implants, In: Dental Implants Materials, Coatings, Surface Modifications and Interfaces Oral Tissues	Elsevier, USA, pp. 93-115
N.I. Alyousef, Y.K. Almaimouni, M.A. Benrahed, A.S. Khan, S. Shahid	Effects of strontium substitu synthetic apatites for biomed applications	
S. Feroz and A.S. Khan	Fluoride Substituted hydroxyapatite	Handbook of Ionic Substituted Hydroxyapatite, ISBN978-0-08-10 6, Elsevier, USA (2019)
H. Gul, M. Khan, A.S. Khan	Bioceramics: types and clinic applications	Handbook of Ionic Substituted Hydroxyapatite, ISBN978-0-08-10 6, Elsevier, USA (2019)

A. Talal, S.K. Hamid, M. Khan, A.S. Khan		Handbook of Ionic Substituted
	bone and tooth	Hydroxyapatite, ISBN978-0-08-10
		6, Elsevier, USA (2019)
A.S. Khan, R.S. Khan, M. Khan, I.U. Rehman	Incorporation of nanoparticle	Elsevier, USA, 2019
	glass ionomer cements: Clini	
	applications, properties, and	
	future perspectives, In:	
	Nanobiomaterials in Clinical	
	Dentistry	
A. Talal, H.M.O. Nasim and A.S. Khan	Enamel Etching and Bonding	Elsevier, UK, 2019
	Agents: In Advanced Dental	
	Biomaterials	
M.R. Syed, M. Khan, F. Sefat, Z. Khurshid, M.S. Zafar, A.S. Kh	Bioactive Glass and Glass Fib	Elsevier, USA, 2019
	Composite: Biomedical/Dent	
	Applications. In: Biomedical,	
	Therapeutic and Clinical	
	Applications of Bioactive Gla	
Z. Khurshid, S. Husain, H. Alotaibi, R. Rehman, M.S. Zafar, I.	Novel Techniques of Scaffold	Elsevier, USA, 2019
Farooq, A.S. Khan	Fabrication For Bioactive Gla	
	In: Biomedical, Therapeutic a	
	Clinical Applications of Bioac	
	Glasses	
Abdul Samad Khan, Maria Khan and Ihtesham Ur Rehman	Nanoparticles, Properties, ar	Elsevier, USA, 2013
	Applications in Glass Ionome	
	Cements", In: Naobiomateria	
	Clinical Dentistry	
Rehman IU and Khan AS	Dental Regeneration". In:	Woodhead Publishing Limited,
	"Electrospinning for Tissue	Cambridge, UK, 2011
	Regeneration	
	U 7 7 7 7	

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

Name of Investigator(s)	Title	Publisher	Date of Publication
Y. AlMaimouni, S. Hamid, A. Majeed,		-	2018
Shah, A.S. Khan	Analysis of Bioactive Endodontic Se	No. 97A: 0921: 2018	
N. Muhammad, K. Ilyas, A.S. Khan	Synthesis and in-vitro analysis of electrospun biopolymers for period regenerations	Journal of Dental Research, \ No. 97A: 2194, 2018	2018
H. Khalid, N. Hussain, M. Khan, A.S. Kl	Synthesis and Characterization of Bioactive Dental Adhesive Material	Journal of Dental Research, \ No. 96A: 0749, 2017	2017
A. Khan, K. Ilyas, S. Qureshi, H. Khalid Khan, M. Kaleem	Synthesis and in-vitro Evaluation of Fibrous Scaffold for Tooth Regenera	·	2017
H. Khalid, N. Hussain, A.S. Khan	Synthesis and characterization of no in-situ grafted bioactive dental filler		2017
H. Gul, S. Zahid, M. Kaleem, A.T. Shah Khan	Evaluation of ions release and pH o fluoride-based bioactive glass	Dental Materials: 2017: Vol. e43	2017
H.M.O. Nasim, S. Ghafoor, A.T. Shah, Khan	Synthesis of phosphate based bioac glasses	Dental Materials: 2017: Vol. e59	2017
H. Khalid, M.R. Syed, H. Iqbal, I.U. Ref A.S. Khan	Monomer leaching and degree of conversion of bioactive dental composites	Dental Materials: 2016: Vol. e61-e62	206

A.S. Khan, L. Sidra, Z. Sarfraz, W. Mus	Synthesis of electrospun bioactive (Dental Materials: 2015: Vol.	2015
	nanotube based dental resin-based	Supp 1: e1-e66	
	composites		
H. Khalid, N. Hussain, A.S. Khan, H. Iql			2015
Sarfraz	and newly synthesized dental comp		
N. Muhammad, Z. Yaasir, B. Iqbal, A. I		•	2015
H. Khalid	mechanical properties of artificial t	1	
A.S. Khan	Approach of Interdisciplinary Resea	•	2014
7 7 1 1 6 14	Dental Materials	Issue), 2014: 93(C): 0102	2014
Z. Yaasir, A.S. Khan	A Comparative Quantitative and	Journal of Dental Research (5	2014
II Khalid A C Khan	Qualitative Analysis of Human Teet		2014
H. Khalid, A.S. Khan	Synthesis and characterization of no dental adhesives with enhanced	Issue), 2014: 93(C): 023	2014
	antibacterial and mechanical prope		
A.S. Khan, M.T. Azam, A.A. Chaudhry,	Structural, Surface Characteristics a		2013
Siddiqi, I.U. Rehman	vitro Bacterial Adhesion on Dental	Issue), 2013: 92 (A): 2305	2013
	Composites	,,	
A. Khan, R.Nazir, A.A. Chaudhry, S.A.	Synthesis and in-vitro Analysis of	Journal of Dental Research (5	2011
Siddiqi.	Bioactive Dental Filler Particles	Issue), 2011; 90 (Spec. Iss B):	
M. Kaleem, A.S. Khan, M. Aslam	Effect of Beverages on viscoelastic	Journal of Dental Research (2011
	properties of resin-based dental	Issue), 2011; 90 (B): 105	
	composites		
A.S. Khan, N.I. Khan, R. Nazir, R. Hussa	A Novel technique to synthesize ne	Journal of Dental Research (2011
A.A. Chaudhry	generation bioactive dental fillers	Issue). 2011; 90 (B): 151823	
B. Younas, A.Khan, M. Khan, A.A.Chau			2011
	Dental Restorative Materials	Issue), 2011; 90 (B): 108	
D. Muzaffar, A. Afaq, A.S. Khan	Effect of Disinfecting Solutions On 1		2011
2 1 2 1 2 2 2	Dimensional Stability of Alginates	Issue), 2011; 90 (B): 151916	2011
B. Younas, A.S. Khan, M.T. Azam, A. A			2011
	Structure and Dental Restorative	Issue), 2011; 90 (B): 151829	
M. Khan and A.S. Khan	Materials Self-medication prevalence among	Journal of Dental Research (5	2011
IVI. KIIdii dilu A.S. Kiidii	patients in urban area of Pakistan	Issue), 2011; 90 (B): 151904	2011
A.A. Chaudhry, A.S. Khan, N.I. Khan, B	-	Journal of Dental Research (5	2011
Younas, M. Shuja, N. Ashraf	Substituted Bioactive Ceramics	Issue), 2011; 90 (B): 151827	2011
A.S. Khan, R. Whiley, F.S.L. Wong, I.U.		Journal of Dental Research (5	2009
Rehman	biocompatibility analysis of novel	Issue), 2009; 88 (B): 116	
	bioactive composites	, , , ,	
A.S. Khan, I.J. McKay, F.S.L. Wong, I.U	Synthesis and in-vitro analysis of a i	Journal of Dental Research (2008
Rehman	bioactive dental restorative compo	Issue), 2008; 87 (C):0017	
A.S. Khan, S. Aamir, F.S.L. Wong, I.U.	Fluoride Release from Novel Bioact	Journal of Dental Research (2008
Rehman	Dental Restorative Composite	Issue), 2008; 87 (B): 0245	
Z. Sheikh, N. Roohpour, I.U. Rehman,	Effect of surface properties on prot		2008
Khan	adsorption of polyurethane membr		
A.S. Khan, N. Roohpour, J.A. Darr, I.U.	•		2007
Rehman, F.S.L. Wong	bioactive dental restorative compo		2225
A.S. Khan, M.J. Phillips, K.E. Tanner, F		Journal of Dental Research (5	2006
Wong	impregnated Glassfibre vs. Filler-	Issue), 2006; 85 (C): 0503	
	Particulate Composites		

Contribution to Scientific Conferences and Symposia (CE Course taken for the last 5 years)

#	Title	Place and Date of the Conference	Extent of Contribution
1	7 th annual Conference of Pak Association for Dental Research	24-25 October, 2021, Lahore, Pakistan	Keynote Speaker
2	96 th General Session & Exhibition of International Association for Dental Research	5-28 July 2018, London, United Kingdom	Poster Presentation
3	5 th Pak Association for Dental Research (IADR Pakistan Section) Conference	14-16 October 2018, Lahore, Pakistan	Invited Speaker/ Workshop Facilitator
4	Academy of Dental Materials Annual Meeting	5-7 October 2017, Nuremberg, Germany	Poster Presentation
5	6 th International Symposium on Biomedical Matrials	14-16 December 2017, Lahore, Pakistan	Invited Speaker
6	4 th Pak Association for Dental Research (IADR Pakistan Section) Conference	6-8 December 2017, Lahore, Pakistan	Workshop Facilitator
7	95 th General Session & Exhibition of International Association for Dental Research	22-25 March, 2017, San Francisco, CA, USA	Oral Presentation
8	Academy of Dental Materials Annual Meeting	12-15 October, 2016, Chicago, USA	Poster Presentation
9	5 th International Symposium on Biomedical Materials	14-16 December 2016, Lahore, Pakistan	Invited Speaker
10	Academy of	7-10 October,	Poster

	Dental Materials Annual Meeting	2015, Maui, Hawaii, USA	Presentation
11	3 rd Pak Association for Dental Research (IADR Pakistan Section) Conference	4-6 September, 2015, Lahore, Pakistan	General Secretary Conference/ Oral Presentations
12	93 rd IADR General Session International Association for Dental Research	11-14 March, 2015, Boston MA, USA	Oral Presentation

Teaching Activities		
Undergraduate	5	
Post-Graduate	1	

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Clinical Rest. Dent. I	RESTO 404	Clinics
2	Pre-Clinical Rest. Dent. II	REST 305	Lectures/ Lab Training
3	Comprehensive Care Clinic	CCD 513 – CCD 601	Clinics
4	Dental Biomaterials Science	BMAT 203	Lectures
5	Restorative dentistry topics –	REST 508	Lectures
6	Advanced Dental Biomaterials	BMAT 808	Lectures

CURRENT TEACHING RESPONSIBILITIES

Name of Institution, City, State	Course Title	Discipline and Level of Students	Total Contact hour Didactic	per Year Clinic/
				Laboratory
	Clinical Restorative Dentistry I			Clinical
	Pre-Clinical Rest. Der			Laboratory
	Comprehensive Care			Clinical
College of Dentistry, Imam Abdulrahi Bin Faisal University, Dammam, Saud	C -!			Lecture
Arabia	Restorative dentistry topics –			Lecture
	Advanced Dental Biomaterials	Postgraduate		Lecture

Membership of Scientific and Professional Societies and Organizations, Or Appointments Held In Local, State Or National Dental Or Allied Dental Organizations, Including Appointments To State Boards Of Dentistry And Coda

Name of Organization	Title	From (Year)	To (Year)
International Association for Dental Research	Member	2006	To Date
Pak Association for Dental Research (IADR Pakis Section)	President	2021	2022
International Association for Dental Research Sa Division	Member	2019	To Date
Academy of Dental Materials	Member	2013	To Date

Editorial Commitments		
Assistant Editor	The Journal of Pakistan Dental Association	
Guest Editor	Frontiers in Materials	
Advisory Board	Dental and Medical Problems	
Guest Editor	Bio-interactions and Bio-compatibility, Frontiers in Biomaterials Science	
Advisory Board	Foundation University Journal of Dentistry	
Guest Editor	Polymers	
Advisory Board	Journal of University College of Medicine and Dentistry	

Volunteer Work

#	From	То	Type of Volunteer	Organization
1	6/1/2021		To Heal the Pain Campaign, Al Khobar Prison,	
2	3/6/2021		Oral Health Awareness	
3	19/11/2021		Diabetic Campaign	

Honors and Awards

2020	IAU President Letter of Appreciation	Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia
2020	US Patent 16/164,333.	US Patent Office
2019	Best Researcher of the Year (2018-19)	College of Dentistry, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia
2012-2017	Research Productivity Award	COMSATS Institute of Information Technology, Pakistan
2015	IADR/Unilever Hatton Divisional Award	International Association for Dental Research
2011	Dentsply-Charles T Kean Memorial	25th IADR-SEA Division Annual Scientific



	Award	Meeting, Singapore
2005	Best MSc. Student of Dental/Biomaterial, Department of Materials	Queen Mary University of London", Industrial Prize, Advanced Healthcare Limited, UK
2012-16	Focal Person for the Subject of Dental Materials	Higher Education Commission Pakistan
2016	Member Dental Education Committee	Pakistan Medical and Dental Council
2014-2016	Member Board of Studies	Faculty of Dentistry, University of Lahore, Pakistan