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Qualification				
Year	Degree/Certificate	Name of the Institute/ University		Field of study
2021	Post Doctorate	Forsyth Institute (Harvard University)		Applied oral sciences
2018	PhD	Karolinska Institutet		Medical Science
	MS/ Mphil	-		
2007	Graduation	Altamash Institute of Dental Medicine		Dental Medicine/ Dentistry
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Polyunsaturated Fatty Acids and Their Immunomodulatory Actions in Periodontal Disease	Nutrients	International	2023
2	Periodontal Disease Augments Cardiovascular Disease Risk Biomarkers in Rheumatoid Arthritis	Biomedicines	International	2022
3	Resolution of inflammation: intervention strategies and future applications	Toxicology and Applied Pharmacology	International	2022
4	Upregulation of circulating inflammatory biomarkers under the influence of periodontal disease in rheumatoid arthritis patients	Cytokine	International	2020
5	Association of Glycated Proteins with Inflammatory Proteins and Periodontal Disease Parameters	Journal of Diabetes Research	International	2020
6	Periodontal disease influences osteoclastogenic bone markers in subjects with and without rheumatoid arthritis	PLOS ONE	International	2018
7	Correlation of serum cytokines, chemokines, growth factors and enzymes with periodontal disease parameters	PLOS ONE	International	2017

8	T-cell regulation through a basic suppressive mechanism targeting low-density lipoprotein receptor-related protein 1.		Immunology	International	2017
Paper Presented					
S. No	Title of Paper		Name of Conference	National/ International	Date
1	Cardiovascular Disease Risk Markers in Rheumatoid Arthritis and Periodontitis		IADR	International	July 21- 24, 2021
2	Periodontal Conditions in Pakistani Rheumatoid Arthritis Subjects: Analysis of Clinical and Radiographic Parameters		EuroPerio	International	June 2018
3	Dental Implants : How well do you know your host?		Maxfac 8th annual conference	National	December 2012
Work Experience					
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held	
1	2020	Till date	ORIC / BUIITEMS	Additional Director	
2	2019	Till date	FLSI / BUIITEMS	Assistant Professor	
3	2021	Till Date	Forsyth Institute (Harvard University)	Affiliated Post Doc	
4	2019	2021	Karolinska Institutet	Affiliated Post Doc	
5	2012	2018	Karolinska Institutet	Doctoral Student	
6	2007	2018	Altamash Institute of Dental Medicine	Clinical Demonstrator/ Executive practice	
Area of specialization			Chronic diseases, inflammation, immunology, biomarkers, Omics, periodontal diseases, translational epidemiology		
Research Interest			Studying population health trends, inflammation and related markers and pro-resolving mediators and mechanisms, human biomonitoring, oral-systemic disease linkages		
Future Research Plans			<ul style="list-style-type: none"> Plan large cohort studies to identify immune markers reflecting health status and susceptibility Establish a Centre of Epidemiology 		
HEC Approved supervisor			Not yet (have not applied)		
If Yes, provide HEC URL					
Research grants/ Projects			<p>1) Pakistan's National Research Program for Universities Grant Award April 2022 — December 2024 We aim to create a computerized registry system for chronic diseases in the population of Balochistan. The registry will incorporate disease specific elements and its implementation will help in the provision of aggregate information on patient population to the provider organization as well as the trends in population care.</p> <p>2) Forsyth Institute Pilot Grant Award, Cambridge, MA June 2022 — June 2023 As co-investigator of the project 'Lipoxygenases in rheumatoid arthritis and periodontitis', I am investigating the failure of resolution in the inflammatory conditions for which I acquired the entire clinical samples. For this project I connected the Forsyth Institute with Uppsala University (Sweden) successfully for the acquisition of samples.</p> <p>3) ORIC Large Scale Competitive Grant Award, Quetta March 2021 — July 2022 This award of 5 Million PKR was secured for the project titled 'Human bio-</p>		

	<p>monitoring and health parameters associated with ground water exposure in Balochistan' which was based on exploring the relationship between trace metal concentration levels in drinking water, blood biomarkers and health parameters. By illuminating health effects of drinking water as a source of varying mineral exposure, we plan to assist the Government in outlining remedial strategies for the population.</p> <p>4) Karolinska Institute Travel Grant Award June 2018</p> <p>5) American Dental Society of Sweden (ADSS) Award June 2018</p>
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