



Muhammad Taqi

https://scholar.google.com.pk/citations?view_op=view_citation&hl=en&user=MxQvi5QAAAAJ&citation_for_view=MxQvi5QAAAJ:YsMSGLbci4C

ABOUT ME

I am an experienced academic researcher with a Doctorate in Dental Public Health. I have a strong research background and have successfully conducted and completed various research projects, resulting in multiple publications in high-impact factor journals. I also have a passion for teaching and have effectively imparted knowledge to both undergraduate and postgraduate students, employing practical teaching methods. Additionally, I have extensive experience in organizing community dental visits and coordinating laboratory activities for students.

WORK EXPERIENCE

16/10/2016 - CURRENT Karachi, Pakistan

ASSISTANT PROFESSOR, DEPARTMENT OF COMMUNITY DENTISTRY DOW DENTAL COLLEGE,
DOW UNIVERSITY OF HEALTH SCIENCES

1. Instruct undergraduate & post graduate students by transferring knowledge through exhibiting practical skills and teaching.
2. To initiate, facilitate and moderate classroom discussions and ensure that teaching style and delivery comply with the requirement of the field of the study.
3. To develop the ability of students to engage in critical discourse and rationale thinking.
4. To plan the instructions, demonstrations, and work time of the assigned topics.
5. Give assignments to students and maintain record of their performance and evaluate grades.
6. To facilitate curriculum committee in planning course planning, development, evaluation & review of teaching materials and resolving the related problems.
7. To prepare and submit the exam questions /OSPE/OSCE to the Q-Bank.
8. Suggest any action to the concern authority to resolve any observed/foreseen academic problem.
9. To ensure research is carried out and completed in timely manner in accordance with the policies laid down time to time by the authorities.

02/05/2014 - 29/12/2014 Karachi, Pakistan

ASSISTANT PROFESSOR , DEPARTMENT OF COMMUNITY DENTISTRY JINNAH MEDICAL AND
DENTAL COLLEGE

1. Responsibilities as a head of the department included assigning academic and administrative duties to all the faculty and staff.
2. Attend all academic and other department activities.
3. Prepare learning objectives of all the topics and evaluate teaching material.
4. Plan community dental visits and laboratory projects for undergraduate students.
5. Academic responsibilities included teaching and mentoring undergraduate students in their lectures and tutorials.
6. Facilitate faculty of department in preparing course outline, reviewing of teaching material and associated problems if any.
7. Prepare and submit multiple choice question for student assessment.

8. Encourage students for analytical reasoning through debates, assignments, and counselling.
9. Encourage research is carried out and completed in the timeline under the laid down rules and regulations of the institute.

01/09/2011 - 01/09/2013 Karachi, Pakistan

ASSISTANT PROFESSOR , DEPARTMENT OF COMMUNITY DENTISTRY, MUHAMMAD BIN QASIM MEDICAL AND DENTAL COLLEGE

1. Designating academic and administrative responsibilities to the department staff.
2. Attending departmental meetings regarding academic and faculty affairs.
3. Planning community dental visits and laboratory activities for undergraduate students.
4. Teaching undergraduate students through class lectures and tutorials.
5. Facilitating in the planning of course outline for the subject of community and preventive dentistry and reviewing of teaching material and associated problems.
6. Preparing and submitting multiple-choice questions for student's assessments.
7. Developing student's ability of critical thinking by stimulating discussion and through assignments.
8. Students counselling on academic and related matters.

● EDUCATION AND TRAINING

02/01/2015 - 02/09/2019 Kuala Lumpur, Malaysia

1. DOCTOR OF PHILOSOPHY (DENTAL PUBLIC HEALTH) University Malaya

AddressFederal Territory of Kuala Lumpur, Malaysia, 50603, Kuala Lumpur, Malaysia

01/01/2010 - 30/12/2010 Australia

2. MASTER'S DEGREE (HEALTH SERVICE MANAGEMENT) University of Western Sydney

AddressWestern Sydney University Locked Bag, 1797, Australia

01/01/2009 - 30/12/2009 Australia

3. POST GRADUATE DIPLOMA (PUBLIC HEALTH) University of Western Sydney

AddressWestern Sydney University Locked Bag 1797Australia, 1797, Australia

01/01/2002 - 30/12/2006 karachi, Pakistan

4. BACHELORS OF DENTISTRY Baqai Medical University

AddressBaqai Medical University is a higher education institution located on M-9, Super Highway, Karachi,, karachi, Pakistan

● LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH B2		C1	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office | Microsoft Powerpoint | Zoom | Google Drive | Google Docs | Microsoft Word | LinkedIn | Statistical program SPSS | Research Rabbit (research tool)

● ADDITIONAL INFORMATION

PUBLICATIONS

1. Caries risk assessment in school children using Reduced Cariogram model - 2017

Link <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5648970/>

2. Sugar consumption and caries occurrence among Pakistani school children - 2018

Link <https://pubmed.ncbi.nlm.nih.gov/30317346/>

3. Comparing dental caries status using Modified International Caries Detection and Assessment System (ICDAS) and World Health Organization (WHO) indices among school children of Bhakkar, Pakistan

- 2019

Link <https://pubmed.ncbi.nlm.nih.gov/31308560/>

4. Assessment of radiographic morphology of mandibular condyles: a radiographic study - 2022

Link https://journals.viamedica.pl/fovia_morphologica/article/view/76120

5. Self-perceived competence of dental students regarding the management of orofacial pain: a cross-sectional study

- 2021

Link <https://link.springer.com/article/10.1186/s12903-021-01852-1>

6. Evaluation of various concentrations of alkaline surface treatment on interfacial bond strengths of amalgam bonded to amalgam

Link <https://pubmed.ncbi.nlm.nih.gov/24035964/>

7. Levels of perceived stress according to professional standings among dental surgeons of Karachi: a descriptive study

- 2022

Link <https://link.springer.com/article/10.1186/s12903-022-02272-5>

8. Establishing risk-based recall interval for caries management among 11-12-year-old Pakistani children.

Link <https://pubmed.ncbi.nlm.nih.gov/35964068/>

9. Predictors for proximal caries in permanent first molars: Multiple regression analysis - 2019

Link <https://pubmed.ncbi.nlm.nih.gov/31742565/>

10. Prevalence of caries and periodontal disease in betel quid chewers in relation to gender - 2013

Link [https://www.researchgate.net/publication/](https://www.researchgate.net/publication/334515051)

334515051 Prevalence of Caries and Periodontal Disease in Betel Quid Chewers in Relation to Gender? _sg[0]=vWC-3yqrX2hMobRuDSDRSN4OnxwOBXJngUD8httT8Ut1xLcZmDOK3Dr6QXR690ztEht-v-wsaVXOEbKBNqe-bS8fedJ8wqpvmTN9BwuN.ys8y96NrKgAhkNNhJI7_khl-I5CK2ed1Rm8l8wjxidVnJAVFnXpbQWi4RpkMQmQ2ql4p1bZYZII7_p9fPPoExQ

11. Effects of educational attainment on dentition status in socioeconomically deprived population of Karachi

- 2014

Link [https://www.researchgate.net/publication/](https://www.researchgate.net/publication/280557630)

280557630 Effects of educational attainment on dentition status in Socio-economically deprived population of Karachi

12. Histopathological patterns of oral squamous cell carcinoma - 2014

Link https://www.researchgate.net/publication/280557591_HISTOPATHOLOGICAL_PATTERNS_OF_ORAL_SQUAMOUS_CELL_CARCIOMA

13. Preferred Technique and Material Choice for exposed pulp among dentists practicing in Karachi - 2022

Link https://www.researchgate.net/publication/359495476_PREFERRED_TECHNIQUE_AND_MATERIAL_CHOICE_FOR_EXPOSED_PULP_AMONG_DENTISTS_PRACTICING_IN_KARACHI

14. Evaluating the correlation between histopathological patterns of oral squamous cell carcinoma, Age & Site - 2014

Link https://www.researchgate.net/publication/368350400_Evaluating_the_correlation_between_histopathological_patterns_of_oral_squamous_cell_carcinoma_Age_Site

15. Establishing dental recall interval for Pakistani children: A longitudinal study - 2021

Link <https://pubmed.ncbi.nlm.nih.gov/34410250/>

16. Predictive validity of the reduced Cariogram model for caries increment in non-cavitated and cavitated lesions: cohort study. - 2023

Link <https://pubmed.ncbi.nlm.nih.gov/37875839/>

17. Patient perceptions and experiences of dental fear of different dental specialties: a mixed-method study

- 2023

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NETWORKS AND MEMBERSHIPS

2022 - CURRENT

1. Membership Member curriculum review committee for M.phil and Ph.D in dental sciences disciplines, Dow University of Health Sciences

2021 - CURRENT

2. Membership Member work group for PhD degree programs, Institute of Basic Medical Sciences, Dow University of Health Sciences (2021-Present).

2021 - CURRENT

3. Membership Secretary and Member of MS.c project review committee, Post Graduate Department, Dr Ishrat Ul Ibad Institute of Oral Health Sciences (DIKIOHS). (2021-Present).

CONFERENCES AND SEMINARS

2018

1. 9TH Annual Research Day, Dow University of Health Sciences Poster presentation on "Caries risk assessment in school children using reduced Cariogram model".

2018

2. 9TH Annual Research Day, Dow University of Health Sciences Poster presentation on "The Association between sugar intake and carious lesion among Pakistani school children".

COMMUNITY ENGAGEMENTS

03/03/2022 - 03/03/2022

1. Virtual oral health session on World Oral Health Day for school children at Zubaida Academy Junior Public School

Link <https://www.dentalnewspk.com/11-May-2022/ddc-holds-virtual-oral-health-session-in-punjab-s-bhakkar-district>

06/05/2021 - 06/05/2021

2. E-oral health awareness project Ahmed Bawany Academy on Karachi.

Link <https://www.dentalnewspk.com/22-Sep-2021/dow-dental-college-arranges-e-oral-health-awareness-visit>

03/09/2021 - 03/09/2021

3. Oral screening and oral health promotion activity conducted at Government Boys School at Kotwal Building, Karachi.

Link <https://www.dentalnewspk.com/27-Oct-2021/dow-dental-college-promotes-oral-health-at-government-boys-secondary-school-kotwal-building>

07/07/2021 - 07/07/2021

4. Oral health promotion activity conducted at Government Boys School at Kotwal Building, Karachi.

Link <https://www.dentalnewspk.com/27-Oct-2021/dow-dental-college-promotes-oral-health-at-government-boys-secondary-school-kotwal-building>

09/2019 - 09/2019

5. Community dental visit at Hoorbai Hajiani Girls High School, Karachi.

02/2017 - 02/2017

6. Community dental visit at Malala Government Girls Secondary School, Karachi.

ACADEMIC AND PROFESSIONAL SERVICES

2021

1. Internal examiner

Internal examiner of a Master thesis entitled "Association between chronic periodontitis and glycemic control of Type 2 diabetes mellitus: A case-control study (Community Dentistry) candidate Sadaf Arshi Arsar, DUHS.

2021

2. Internal examiner

Internal examiner of a MDS thesis entitled "Association between osteoporosis and periodontitis among females aged above 45 years: A case-control study (Community Dentistry) candidate Anjum Younus, DUHS. 2021.

2021

3. Internal examiner

Internal examiner of MPH Project titled "Oral health status and behavior of female inmates at Central Jail Karachi" of Javeria Amjad of DUHS. 2021.

2021

4. Special referee

Special referee for the PhD synopsis, titled "Effect of picture exchange communication system in improving oral hygiene status among preschool children with autism spectrum disorder-a randomized controlled trial" of Dr. Saqib Minhas, DUHS. 2021.

2021

5. Special referee

Special referee for the MDS synopsis titled "To compare and assess the efficacy of powered toothbrush and manual toothbrush in cerebral palsy patient - a crossover RCT design" of Dr Muhammad Mohsin Haider, DUHS. 2021.

2022

6. External examiner

External examiner for the M.Phil synopsis titled "Evaluation of modified glass ionomer cement using glycyrrhiza glabra and piper nigrum for physio mechanical and anti-bacterial properties" of Dr Riffat Un Nisa, Baqai Medical University. 2022.

2022

7. External examiner

External examiner for the M.Phil synopsis titled "Evaluation of optimum concentration of potassium iodide to suppress the staining potential of silver diamine fluoride under glass ionomer restoration" of Dr. Zeenat S Sheikh, Baqai Medical University. 2022.

2022

8. External examiner

External examiner for the M.Phil synopsis titled "Development of a polymer-based saliva substitute" of Dr. Mahzul Kaif, Baqai Medical University. 2022.

2022

9. External examiner

External examiner for the M.Phil synopsis titled "Development of tungsten modified glass ionomer cement for posterior dental restoration" of Dr. Areeba Qamar, Baqai Medical University. 2022.

01/11/2023

10. Examiner

Examiner for the MSc synopsis titled "Assessment of quality of life among dental professionals by using the WHOQOL-BREF instrument in tertiary care hospitals of Pakistan, A cross sectional study" of Ms Omama Mariam, Dow University of Health Sciences. 2023.

WORKSHOPS ATTENDED

07/02/2023 - 10/02/2023

1. Reviewers capacity building program

Reviewers Capacity Building workshop under HEC-BC Pak UK Education gateway project.

2023

2. How to use online Structured Oral Examinations in Specialist Certification'

How to use online Structured Oral Examinations in Specialist Certification' to be facilitated by Prof. Dr. Vanessa Burch & Dr. Lionel Green-Thompson on 10th January 2023

2017

3. Medical problems in implant dentistry & to be or not to be

Medical problems in implant dentistry & to be or not to be, Dow University of Health Sciences, 2017.

2016

4. Multiple choice question writing

Multiple choice question writing, Dow University of Health Sciences, 2016.

2016

5. Patient safety workshop

Patient safety workshop, Dow University of Health Sciences, 2016.

2015

6. Sample size calculation

Sample size calculation, Department of Social and Preventive Medicine, University Malaya

CONTINUOUS PROFESSIONAL EDUCATION

2020

1. Certification

Foundations of virtual instructions, University of California, Irvine

Link <https://www.coursera.org/account/accomplishments/certificate/CXENBXKC8VC6>

2020

2. Certification

Get Interactive: Practical Teaching with Technology, University of London

Link <https://www.coursera.org/account/accomplishments/certificate/7682DVFDVS6K>

06/02/2023

3.Specialization

Clinical Trials Operations Specialization, Johns Hopkins University

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/6QEZBFUXUVHW>

2023 - 2023

4.Certification

Grammar and Punctuations, University of California, Irvine

Link <https://www.coursera.org/account/accomplishments/certificate/K65BJ8DW92Z2>

2023 - 2023

5.Certification

Getting started with Essay Writing, University of California, Irvine

Link <https://www.coursera.org/account/accomplishments/certificate/2AW8YHAGZLTE>

References are available on request