**DR. TARIQ MAHMOOD ALI**



Dean Social Science / Associate Professor (Health Economics)

HEC Approved Supervisor

**Health Services Academy (Degree Awarding Institute)**

Prime Minister Health Complex, Park Road, Chak Shahzad, Islamabad, Pakistan

Cell No: +92-300-5288076, E-mail: [tariqali@hsa.edu.pk](mailto:tariqali@hsa.edu.pk)

**Background**

Dr. Tariq Mahmood Ali has served in public sector in various capacities over spanning of more than twenty years. He has also vast teaching experience both at university and college level. Dr. Ali has experience in undergraduate, graduate and post graduate teaching and research. He has taught at the reputed universities in Pakistan including FUUAST, NUML University, Quaid-i-Azam University, COMSATS University, and Health Services Academy, Islamabad. His areas of interest are:

* Health Economics and Health Financing, Social Health Protection, Health Policy,
* Macroeconomic, Economic Development and Economic Growth, Empirical Methods, Technological Change
* Project Management, Human Resource for Health, Health Indicators, Public Policy, Planning and Development

Currently, Dr. Tariq Mahmood Ali is working as **National Coordinator** of mega project of One Health. I am also working as **Dean (Social Sciences)** at Health Services Academy (Degree Awarding Institute), Islamabad. He has also been working as **Associate Professor (Health Economics)** at HSA, since February, 2022. He has worked as **Registrar** at HSA from June 2022 to January 2024 and **Assistant Professor (Health Economics)** at HSA from July 2020 to February 2022. He has worked as **Project Coordinator** (2019-2020) and **Research Officer** (2009-2019) at PCST, Islamabad.

Dr. Ali has designed and developed the Curriculum for BS, MS, and PhD (Health Economics) programme. These programmes have been approved by the Curriculum Committee and Academic Council of HAS and consequently, approved by HEC. These programs would be commenced for the first time in Pakistan from Fall 2022 at HSA.

He has been won the competitive research grant of amount **$3000 US Dollar** from STEPI, Korea in 2017. He has won research grant (PC-I of cost **Rs.65 million** (2022), PC-II of cot **20 million (2023**), Cost of **Rs. 56 million** (2024) and cost of **Rs. 230 million** (2024) through PSDP, Government of Pakistan and developed five PC-Is which has been submitted to Ministry of Health for approval in forthcoming PSDP. He is working as **a Project Director** for PSDP projects the PC-I entitled “Need Assessment of Health Human Resources for Driving Innovation and Achieving SDGs 2030” at a total **cost Rs. 65.036 million (18 Months).** He is also working as **Project Director** for PSDP projects PC-I entitled “Strengthen of Health Service Academy, Islamabad.” **Cost Rs.348.4 million.** He ismember of Senate, Syndicate, Academic Council and different management committees of HSA.

As WHO consultant PC-1 for Viral Hepatitis (**Rs 350 million USD) was** developed and reviewed for Ministry of National Health Services Regulations and Coordination (NHSRC), subsequently was approved Planning Commission

He is also working as Social Health protection advisor and research excellence expert under GFA consultant Group to execute **GIZ Support to Social Protection – Social Health Protection** project **(Cost EUR 100,000.00)** is to support the government counterparts in charge of social protection and social health protection **conceptualise and implement policies and initiatives** that show qualitative value next to the quantitative goals put in place.

**40 Students** have been completed MS Public Health under his supervision, while 15 MS and 7 PhD students working under his supervision

HSA did Third Party Validation (TPV) of Sehat Sahulat Programe (SSP) which is flagship programme of Government of Pakistan provide **health 42.37 million families @cost 173.5 billion** rupee. One of the key members of the project team as social health protection expert/specialist and health economist

Dr. Ali has fanatic academic record. He has first division in whole academic career. He has a Bachelor degree in stat, math, economics, an M.Sc in economics and a PhD in economics from University of Manchester, UK and FUUAST, Islamabad, Pakistan. He has been awarded scholarship by HEC to complete his PhD research work at the Manchester Institute of Innovation Research (MioIR), University of Manchester UK.

He has got specialized training on evaluation of Science and Technology Policies at the Manchester Institute of Innovation Research, University of Manchester, UK, 2017. He has published **22 research papers** in international and national peer reviewed journals. He has presented four research papers in international conference as a speaker and attended many conferences as a participant. His name is present in the list of “Productive Scientists of Pakistan” which is published by PCST. He did many diplomas and certificate courses in health and computer field.

**EDUCATION**

**Academics**

**PhD (Economics), (1st Division),** (FUUAST, Islamabad, Pakistan + University of Manchester, UK)

**M.Sc (Economics), (1st Division)**

**B.A (Stat/Eco), (1st Division)**

**F.Sc(Pre Medical), (1st Division)**

**Matric (Science), (1st Division)**

**TECHNICAL & PROFESSIONAL (Diplomas /Certificates/Courses)**

1. **Diploma in Pharmacy** (Registered in Register ‘B’), 2010, Punjab Pharmacy Council, Lahore
2. **Diploma in Dental Hygiene**, Two Years, College of Medical Technology, PIMS, Islamabad
3. **Diploma in Homeopathic Medical System (DHMS)**, Four Years, National Council for Homeopathy, Pakistan
4. **Diploma in Dispensing of Drug**, Punjab Medical Faculty, Lahore
5. **Diploma in Computer Sciences**, Two Years, Rawalpindi College of Computer Science, Rawalpindi
6. **Certificate in Networking & Administration**, CTI, Rawalpindi
7. **Certificate in MS Access**, Pakistan Computer Bureau, Islamabad
8. **Certificate in SQL-Server**, Pakistan Computer Bureau, Islamabad
9. **Certificate in CorelDraw,** Pakistan Computer Bureau, Islamabad
10. **Certificate in Physiotherapy,** WHO, Pakistan
11. **Certificate in ECG,** WHO, Pakistan

**SPECIALIZED TRAINING IN STI POLICY**

* 24 hrs training on Evaluation of Science and Technology Policies 24th – 26th May 2017(Executive Course), **at** the Manchester Institute of Innovation Research, **University of Manchester, UK, 2017**
* 40 hrs training on The Art of Foresight and Horizon Scanning (Anticipating, Recommending and Transforming Research and Innovation Futures), 26th June -30th June 2017 at Manchester Institute of Innovation Research, **University of Manchester, UK, 2017**

**Research**

|  |  |  |
| --- | --- | --- |
| Total Number of Publications: (24)  Submitted for publication (4) |  | 🡪 List Attached |
| Conference paper (4)  Total (32) |  |

**International and National Research Grant**

* Avail $3000 US Dollar from STEPI, Korea “Technological Achievements and Economic Development: The Significance of Technological Achievement Gap in Selected East and South Asian Countries”
* Cost Rs. 65.036 million project entitled “Need Assessment of Health Human Resources for Driving Innovation and Achieving SDGs 2030”
* Cost Rs.348.4 million PC-I entitled “Strengthen of Health Service Academy, Islamabad.” Prepared budget for USAID Project for financially year 2021 -2022
* Cost Rs. 20.00 million project entitled “Construction of New Academic Block, Health Service Academy”
* Cost Rs. 230 million (24 months PC-I entitled “One Health Workforce Development and Coordination Supporting Pandemic Readiness”

**Supervision of STUDENTS (HEC Approved Supervisor)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **Supervising** | **Completed Degree** | **Total** |
| PhD | 7 | - | 7 |
| M.Phil / MS | 16 | 51 | 67 |
| Total | 23 | 51 | 74 |

* Conduct Viva of PhD/M.Phil Students at PIDE, NUML, FUUAST, Islamabad as an External Examiner

**Area of Intrest / Researchs**

* Health Economics and Health Financing, Social Health Protection, Health Policy,
* Project Management, Human Resource for Health, Health Indicators, Public Policy, Planning and Development
* Macroeconomic, Economic Development and Economic Growth, Empirical Methods, Technological Change

**TEACHING EXPERIENCE (more than 20 years)**

* **Teaching Experience (Post Graduate and Graduate Level) at University** 
  + From 07-02-2022 to date, Associate Professor (Health Economics) **at Health Services Academy (Degree Awarding Institute),** Islamabad
  + From 15-07-2020 to 06-02-2022, Assistant Professor (Health Economics) **at Health Services Academy (Degree Awarding Institute),** Islamabad
  + From 01-04-2019 to date, Assistant Professor (Visiting Faculty Member) at **Federal Urdu University of Arts and Science and Technology, Islamabad.**
  + From 02-09-2019 to date, Assistant Professor (Visiting Faculty Member) at **COMSAT University, Islamabad.**
  + From 17-02-2020 to date, Assistant Professor (Visiting Faculty Member) at **National University of Modern Language, Islamabad,**
* **Teaching Experience (Undergraduate Level)**
  + From 01- 04-2002 to date, Lecturer, Teaching undergraduate classes at Ali Academy, I-10/1, Islamabad

**PC-I Project Developed / Win**

* **PC-I entitled “Need Assessment of Health Human Resources for Driving Innovation and Achieving SDGs 2030”**
* The PC-I entitled “Need Assessment of Health Human Resources for Driving Innovation and Achieving SDGs 2030” at a total cost **Rs. 65.036 million** (18 Months) was approved by DDWP on 6th May 2021.
* **PC-I entitled “Strengthen of Health Service Academy, Islamabad.”**
* Extension of the PC-I entitled “Strengthen of Health Service Academy, Islamabad.” Prepared budget for USAID Project for financially year 2021 -2023 Cost **Rs.348.4 million**
* **PC-II entitled “Construction of New Academic Block at Health Services Academy”**
* **PC-I has** been prepared in collaboration with PWD Department at a total cost **Rs. 20 million** (6 months) and submitted to Ministry”
* **PC-I entitled “One Health Workforce Development and Coordination Supporting Pandemic Readiness”**
* **PC-I has** been prepared of total cost **Rs. 230 million** (24 months) and submitted to Ministry for inclusion in forthcoming DDDWP
* **PC-I entitled “Establishment of I Campuses at Lahore, Karachi, Quetta, Peshawar”**
* **PC-I has** been prepared of total cost **Rs. 600 million** (36 months) and submitted to Ministry for inclusion in forthcoming DDDWP
* **PC-I entitled “Economic Burden of Antimicrobial Resistance”**
* **PC-I has** been prepared of total cost **Rs. 59 million** (24 months) and submitted to Ministry for inclusion in forthcoming DDDWP

**Special projects/assignments and their outcome With Ministry of Health**

* **Development of Curriculum of BS, MS and PhD (Health Management & Economics)**
* **Preparation of Year Book of I (2019 -2020)**
* **Preparation of Document for onward transmission to the MNHSR&C on the following topic**
* Establishment of Planning, Monitoring & Evaluation (PM&E) Cell In Ministries / Division
* Preparation of document Unleashing the South Asian Century Through Human Capital For All
* Working group for preparation of five-year plan for socioeconomic development of Gilgit Baltistan -health sector
* **COVID-19 Responsive and other Natural Calamities Control programme (Health Component)**
* Comprehensive document on COVID-19 Responsive and other Natural Calamities Control programme (Health Component) was prepared and after the approval of VC, I sent to Ministry.
* **Three Years Performance of the Government, August 2018 – August 2021**
* Comprehensive document of Three Years Performance of the Government, August 2018– August 2021 was prepared and sent to the MNHR&C after approval of VC, I.

**EMPLOYMENT RECORD / WORK EXPERIENCE IN REVERSE CHRONOLOGICAL ORDER**

**20-02-2025 to date**

**Dean Social Sciences (BS-21) / Associate Professor (Health Economics) / National Coordinator (OHWFD) (PPS-9)** at Health Services Academy (Degree Awarding Institute), Islamabad

The National Coordinator responsible to:

* oversees project implementation, ensures workforce development for pandemic readiness, coordinates stakeholders, manages strategic planning, monitors progress, ensures policy compliance, and facilitates interdisciplinary collaboration. They also lead capacity-building initiatives, optimize resource allocation, and report on project outcomes to support national health security goals.

**15-01-2024 to 19-02-20225**

**Dean Social Sciences (BS-21) / Associate Professor (Health Economics)** at Health Services Academy (Degree Awarding Institute), Islamabad

* The Dean leads faculty growth in teaching and research, develops policies for quality education, expands student enrollment, fosters interdisciplinary research, ensures strategic planning, collaborates with HSA senior management, and contributes to teaching, research, and administration for the university’s effective operation.

**23-06-2022 to 15-01-2024**

**Registrar / Associate Professor (Health Economics) (BS-20)** at Health Services Academy (Degree Awarding Institute), Islamabad

The Registrar shall be a full-time officer of the I and shall –

* be administrative head of secretariat of the HSA and be responsible for provision of secretarial support to the Authorities of the HSA;
* be custodian of common seal and academic records of the HSA;
* maintain a register of registered graduates in the prescribed manner;
* supervise process of election, appointment or nomination of members to various Authorities and other bodies in the prescribed manner; and perform such other duties as may be prescribed

**07-02-2022 to 22-06-2022**

**Associate Professor (Health Economics) (BS-20)** at Health Services Academy (Degree Awarding Institute), Islamabad

* Assist establishing a Department of Health Management & Economics (HME) at HSA
* Revise and develop Health Management & Economics (HME) Courses and Curriculum and
* Development of new degree courses in the field of Health Management & Economics (HME) including in-service training.
* Teaching in Health Economics and Management (HEM) degree and short courses including in-service training and Supervises graduate and post graduate students in the I
* Participates in over-all planning and management of courses in the Department of Health Management & Economics (HME) and Maintains ethical responsibilities of a researcher and teacher as per universal guidelines and guards the Intellectual Property Rights

**07-02-2022 to date**

**Chairperson / Head of Department (HOD), Health Economics and Management** at Health Services Academy (Degree Awarding Institute), Islamabad

* The Head of the Department of Health Economics and Management ensures the integration of economic principles and efficient management in healthcare. Responsibilities include strategic planning, financial oversight, policy development, operational efficiency, research, collaboration, quality improvement, team leadership, public engagement, and continuous learning to enhance healthcare delivery and sustainability.

**15-07-2020 to 06-02-2022**

**Assistant Professor (Health Economics) (BS-19)** at Health Services Academy (Degree Awarding Institute), Islamabad

* Designed and developed BS, MS, and PhD (Health Economics) programme.
* The programmes have been approved by the Curriculum Committee and Academic Council of HAS and consequently, approved by HEC.
* These programs would be commenced for the first time in Pakistan from Fall 2022 at HSA.

**01-07-2022 to date -----------🡪 Continue**

**Project Director (NAHHR)** at Health Services Academy (Degree Awarding Institute), Islamabad

* Working as Project Director of the project entitled “Need Assessment of Health Human Resources for Driving Innovation and Achieving SDGs 2030” at a **total cost Rs. 65.036 million.**
* Overall supervision of technical and administrative and financial matters of Project

**01-07-2022 to 30-09-2023 ---------🡪 Completed**

**Project Director (SHSA)** at Health Services Academy (Degree Awarding Institute), Islamabad

* Working as Project Director of the PC-I entitled “Strengthen of Health Service Academy, Islamabad.” Prepared budget for USAID Project for financially year 2021 -2022 **Cost Rs.348.4 million.**
* Overall supervision of technical and administrative and financial matters of Project

**01-07-2024 to 20-02-2025 -----------🡪 Continue**

**Project Director (OH)** at Health Services Academy (Degree Awarding Institute), Islamabad

* Working as Project Director of the project entitled “One Health Workforce Development and Coordination -Towards Pandemic Readiness” at a **total Cost: Rs.230.92 million**
* Overall supervision of technical and administrative and financial matters of Project

**01-10-2019 to 14-07-2020**

**Project Coordinator (BS-19) at** Pakistan Council for Science and Technology, Ministry of Science and Technology, Islamabad, Pakistan

* Will report to the management of PCST
* Overall supervision of technical and administrative matters of Project under the guidance of Chairman, PCST
* Will liaison with R&D / S&T Organization academia and industry for data collection
* To organize meeting workshop ant provincial and or regional level with focal persons to discuss data collection strategies for the execution of the project.
* To prepare project completion report

**21-05-2009 to 30-09-2019**

**Research Officer (BS-17),** Pakistan Council for Science and Technology, Ministry of Science and Technology, Islamabad, Pakistan,

* Coordinate with Senior/Principal Research Officers to set objectives and lead research aligned with organizational strategy.
* Develop STI policy documents.
* Conduct data collection, management, advanced analysis, and reporting.
* Apply behavioral coding, screening, and assessment skills as needed.
* Interpret findings, provide recommendations, and translate literature into reviews, models, and practice improvements.

**01-03-2002 to 20-05-2009**

**JCO,** Pakistan Council for Science and Technology, Ministry of Science and Technology, Islamabad, Pakistan,

* To look after the Technical/ Scientific materials / reports / research studies Collection of Statistical Data, compilation of records (data received from different S&T and R&D organizations of Pakistan time to time in database and updated & manage the database

**Consultencies**

1. **WHO Consultant-HIV and Viral Hepatitis under Communication Diseases Department Project in Pakistan (350 million USD )…..15-04-2024 to 15-06-2024**

* Ministry of National Health Services Regulations and Coordination (NHSRC), developed PC-1 for Viral Hepatitis and it was reviewed at the Planning Commission and subsequently referred back to the Ministry with major revision and upgradation
* Conduct a review of existing PC-1 for Viral Hepatitis C elimination, in light of comments / feedback received from planning commission and develop a plan to address the comments;
* Carry out consultations with partners and key stakeholders, including the provincial hepatitis control programs;
* Address the comments raised by the planning commission and update the technical part of the PC-1 based on relevant consultations
* Develop an additional module for hepatitis prevention for inclusion in revised PC-1;
* Present the feedback received from the planning commission at a national TAG meeting and develop consensus on proposed solutions / responses;
* Review and revise the financial component of PC1;
* Review and revise the performance framework of PC1;
* Submit a final version of PC1 after addressing the comments received from the planning commission, and subsequent from the provincial hepatitis control programs to the ministry

1. **GIZ Support to Social Protection – Social Health Protection Continue**

Presently, he is working as Social Health protection advisor and research excellence expert under GFA consultant Group to execute GIZ Support to Social Protection – Social Health Protection project is to support the government counterparts in charge of social protection and social health protection conceptualise and implement policies and initiatives that show qualitative value next to the quantitative goals put in place. Following are the task under said project.

* Social Health protection advisor and research excellence expert
* Communication with universities and advice on selection of stakeholders for research hub
* Identification of topic for operational research based on current needs and trends of SP/SHP in Pakistan
* Share experience of academic research in the area of SP/SHP in Pakistan as well and lesson learned
* Advice to national universities across research process
* Discussion with political partners and decision makers

1. **Percentage of Migrants Among Ever Registered PLHIV in Pakistan Continue**

In collaboration with SPEAK Trust, 2022

* Provide assistance in finalizing the research project by SPEAK Trust.
* Give technical inputs to SPEAK’s research officer for the entirety of research.
* Overview the analysis, findings and, other research procedures making sure they a viable and valid.
* Facilitate SPEAK Trust in mobilizing contacts for research interviews and other possible processes related to research.

1. **Third Party Validation (TPV) of Sehat Sahulat Programme (SSP) Completed**

HSA did Third Party Validation (TPV) of Sehat Sahulat Programe (SSP) which is flagship programme of Government of Pakistan provide health 42.37 million families @cost 173.5 billion rupee. One of the key member of the project team as social health protection expert/specialist and health economist

**Awards / Honours / Professional Affiliations**

1. Member of World Economic Association
2. Member of Pakistan Society of Development Economists (PSDE)
3. Member of World Economic Forum

**Committee chairmanship or membership (external and internal)**

1. Secretary/member, Senate, Syndicate, Academic Council, Selection Board of HSA
2. Member of Academic Council of I
3. Member of Ph.D Committee for Comprehensive Examination
4. Member of Physical Verification Asset Committee
5. Member of Curriculum Committee
6. Member of Preparation of PC-I & Execution Committee
7. Member of Committee for prepare test as per GRE for Admission in MSPH
8. Member of Reimbursement Committee for Publication Articles
9. Member of Event Management Committee
10. Member of Procurement / Repair & Maintenance Committee
11. Member of Auction Committee
12. Chair, Departmental Promotion Committee (DPC)
13. Chair, Institutional Review Board (IRB)

**Computer Skill**

* MS Office (MS. Excel, MS Word, MS Power Point)
* Data Base Software (MS Access)
* Excellent Skill in using MS Excel
* Application: Oxmetrics, Eviews, Stata

**Additional Skills**

* **Communication**-Excellent interpersonal skills with an ability to communicate with colleagues and students during labs, tutorials and lectures.
* **Flexibility and adaptability** -to meet workload requirements
* **Team work**- collaborated with colleagues during teaching and assisting and in research projects.
* **Presentation**-have the ability to contribute to project reports and technical presentation to industrial and academic research group.
* **Analytical-**developed analytical skills during data collection and management for research purpose and ability to contribute to course or method improvement.

**Communication Skill**

Fluent: English, Urdu, Punjabi,

**Extra-Curricular Activities**

* Excellent speaker, debater & compare, have awarded first & second position in many competitions of schools & colleges and university level
* Player of Badminton

**Conference/Workshop/Seminar Organized**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of Conference/Workshop/Seminar** | **Organizer Name** | **Location** | **Date** | **Sponsoring Agency** |
| Consultative Workshop University-Industry Collaborative Interactions Policy and Practical Implications for Pakistan | Pakistan Council for Science and Technology | Islamabad Hotel, G-6,Civic Centre (Melody Market),Islamabad | 04-01-2017 | University of Manchester, UK |
| One-day Consultative Workshop Policies for Creating Enabling Environment for Encouraging Problem-Solving Research | Pakistan Council for Science and Technology Sector G-5/2, Islamabad | Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad | 11-06-2015 | IRP, Lahore + PCST, Islamabad |
| International Conference on Climate Change and Plant Ecology, | Pakistan Council for Science and Technology Sector G-5/2, Islamabad | NUST, Islamabad | 04-11-2013 | Pakistan Council for Science and Technology Sector |
| 11th Public Health Conference on  Contemporary Medicine, Health Technologies, Vaccines for Emerging Public Health Risk | Health Services Academy, Islamabad | HSA Campus | 23rd and 24th September, 2021 | HSA, WHO, UNFPA, USAID, WFP, NI, WB |
| 12th Annual Public Health Conference  Regional Research2Action Conference On SRHR  Health Services Academy | Health Services Academy, Islamabad | HSA Campus | 1st and 2nd November, 2022 | HSA, WHO, UNFPA, USAID, WFP, NI, WB, UNICEF |
| 13th international Public Health Conference  Shaping Health Care Through Evidence: Pioneering Solution for Disease Prevention and Control | Health Services Academy, Islamabad | HSA Campus | 12th and 13th December, 2023 | HSA, WHO, UNFPA, WFP, NI, WB, Save the Children, UNICEF |
| 2nd Think Tanks Moot | Health Services Academy, Islamabad | HSA Campus | 20th June, 2023 | HSA |

**Conference/Workshop/Seminar Attended**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of Conference/Workshop/Seminar** | **Organizer Name** | **Venue** | **Date** | **Nature of Participation** |
| Two Days National Conference on Building Knowledge Based Economy in Pakistan: Learning from Best Practices | School of Economics, Quaid-e-Azam University, Islamabad, Pakistan. | School of Economics, Quaid-e-Azam University, Islamabad, Pakistan. | 16-08-2018 | Contributor |
| Two Days National Conference on Building Knowledge Based Economy in Pakistan: Learning from Best Practices | Islamabad Policy Research Institute (IPRI) in Collaboration with Hanns Seidel Foundation (HSF), Germ | Serena Hotel, Islamabad, Pakistan | 19-09-2015 | Contributor |
| 4th International Research Conference on Economics, Business and Social Sciences (4th IRC 2019-MY Chapter)  “Inclusive Business, Innovation, Society and Economic Growth | Putra Business School, Malaysia and Center for Sustainability Research and Consultancy Pakistan. | Mini Auditorium 2, Putra Business School, UPM, Kuala Lumpur, Malaysia | December 18-19, 2019 | Contributor |
| Five days’ Workshop on Civil Registration and Vital Statistics Data Analysis & Use in Decision Making | Ministry of Planning Development & Special Initiatives (Technical Support Unit), ESCAP | Margalla Hotel, Islamabad | 22-26 March,2021 | Participant/  Contributor |
| Consultative Meeting on COVID-19 Vaccine in Pakistan | HTTP Health Services Academy | Health Services Academy | 14th Sept 2020 | Participant |
| Economics Aspects of COVID-19 in Pakistan | HTTP Health Services Academy | Health Services Academy | October 20th, 2020 | Participant |
| Consultative Meeting COVID-19 Impact on Health Services Utilization: Focus on RMNCH | HTTP Health Services Academy | Health Services Academy | 16th February , 2021 | Participant |
| National Symposium on AMR | NIH Islamabad | NIH Islamabad | 23 and 24 November 2022 | Keynote Speaker |
| 13th international Public Health Conference  Shaping Health Care Through Evidence: Pioneering Solution for Disease Prevention and Control | Health Services Academy, Islamabad | HSA Campus | 12th and 13th December, 2023 | Speaker /Contributor |
| National Health Research Conference 2023 | AKU University Karachi | Serena Hotel, Islamabad | 9th and 10th September,2023 | Participant |
| International Conference on STI: Catalysts for Regional Connectivity and Sustainable Development in the ECO Region (ECONEX), | ECO Science Foundation (ECOSF) | HEC Auditorium, Islamabad | April 17-18, 2025 | Keynote Speaker |
| 1st National Health Preparedness & Resilience Conference | NIH Islamabad | Tulip Marquee, Islamabad | 23-24 June 2025 | Keynote Speaker |

**REFERENCES**

**Prof. Dr. Ramesh Kumar**

Dean Public Health, Health Services Academy (Degree Awarding Institute), Prime Minister Health Complex, Park Road, Chak Shahzad, Islamabad, Pakistan. Email: [ramesh@hsa.edu.pk](mailto:ramesh@hsa.edu.pk)

(+92 300 9377486)

**Dr. Khaleel Malik**

Professor, University Manchester, Alliance Manchester Business School / Manchester Institute of Innovation Research, The University of Manchester, UK. Email: [khaleel.malik@manchester.ac.uk](mailto:khaleel.malik@manchester.ac.uk)

(00447955701789)

**Dr Ahmad Hussen Tareq**

AMR Technical Officer, WHO, Addis Ababa, Ethiopia, Email: [tareqa@who.int](mailto:tareqa@who.int) / drahmad@hsa.edu.pk

(+251907411298)

**Publications of Dr Tariq Mahmood Ali (Year Wise)**

1. Antohny Nasir, **Tariq Mahmood Ali**, Sheikh Shahdin, Tariq ur Rahman (**2011**). “Technology achievement index 2009: ranking and comparative study of nations”, Scientometric, 87(1), 41–62. Springer Verlag, Germany. [ISI Impact Factor: 2.98 (2014)] [HEC Recognize Journal, Category: ‘W’]
2. **Tariq Mahmood Ali**, Adiqa Kausar Kiani, Mudassar Asrar, and Tariq Bashir (**2014**). “Technology Achievement Index of Muslim Nations – Ranking and Comparative Study”, *Science, Technology and Development*, 33 (2), 49-62. [HEC Recognize Journal, Category: ‘Z’]
3. **Tariq Mahmood Ali,** Ihtsham Ul Haq Padda (**2014**),”Health Human Capital and Economic Development”, World Applied Sciences Journal, 32 (6): 1015-1023, IDOSI Publications, UAE. [SCOPUS Impact Factor: 0.22(2014)]
4. **Tariq Mahmood Ali,** Tariq Bashir, Adiqa Kausar Kiani (**2015**). “Assessment of Technological Capabilities of OIC Countries”, Science, Technology and Society, 20(1), 114-131, SAGE Publications, India. [ISI Impact Factor: 0.421 (2015)] [HEC Recognize Journal, Category: ‘W’]
5. Tariq Bashir, **Tariq Mahmood Ali**, Mudassar Asrar, Shakeel Babar (**2015**). “Performance and Progress of OIC Countries towards Building Technology Development Capacity”, Current Science, 109(5): 878-888, Current Science Association and Indian Academy of Sciences, India, [ISI Impact Factor: 0.926 (2014)] [HEC Recognize Journal, Category: ‘W’]
6. **Tariq Mahmood Ali,** Muhammad Tariq Mahmood, Tariq Bashir (**2015**),” Impact of Interest Rate, Inflation, and Supply of Money on Exchange Rate Volatility in Pakistan. World Applied Sciences Journal, 33 (4): 620-630, IDOSI Publications, UAE. [SCOPUS Impact Factor: 0.22(2014)]
7. Tariq Bashir and **Tariq Mahmood Ali** (**2016**), “Considering Local Dimensions in Building Knowledge-Based Economy in Pakistan”, In Building Knowledge Based Economy in Pakistan: Learning from Best Practices, (pp 69-93), IPRI, Islamabad and HSF,Germany.
8. **Tariq Mahmood Ali** (**2017**),” Technological Achievements and Economic Development: The Significance of Technological Achievement Gap in Selected East and South Asian Countries. STI Policy Review, 8 (1): 113,156 STEPI Publications, Korea. **(Avail Research Grant: $ 3000.00 US Dollar)**
9. **Tariq Mahmood Ali,** Adiqa Kausar Kiani and Muhammad Hafeez (**2018**) “Impact of Trade Liberalization on Employment, Poverty Reduction and Economic Development” Pakistan Economic Review, 1(2), pp. 83-104. [HEC Recognize Journal, Category: ‘Y’]
10. **Tariq Mahmood Ali**, Adiqa Kausar Kiani, Khaleel Malik, Ronald R Ramlogan, & Tariq Bashir. (**2020**). Impact of Science Technology and Innovation (STI) on Economic Growth and Development: A Case Study of Pakistan. Review of Politics and Public Policy in Emerging Economies, 2(1), 35-54. [HEC Recognize Journal, Category: ‘Y’]
11. **Tariq Mahmood Ali**, Adiqa Kausar Kiani, & Khaleel Malik. (**2020**). An Instrument for Measuring National Readiness and Capacity to Participate in Global Knowledge Base Economy. Journal of Accounting and Finance in Emerging Economies, 6(3), 669-692. [HEC Recognize Journal, Category: ‘Y’]
12. **Tariq Mahmood Ali**, Ronald R Ramlogan, Khaleel Malik, Adiqa Kausar Kiani, Talaha Numan (**2021**), R&D Expenditure as an Accelerator of Economic Growth with Special Reference to Developing Countries, Journal of Business and Social Review in Emerging Economies.  [HEC Recognize Journal, Category: ‘Y’]
13. Khaleel Malik, Tariq Bashir, **Tariq Mahmood Ali,** (**2021**). University-industry collaborations in Pakistan: current challenges and future opportunities, Foresight, 23(4), pp. 496-508, Emerald Publishing Limited. [HEC Recognize Journal, Category: ‘X’]
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