

MOHAMMAD ASIF KHAN, PhD

Professor & Associate Dean, College of Computing & Information Technology

University of Doha for Science and Technology (UDST), Qatar

Doha, Qatar · khan.mdasif@gmail.com · [asifmkhan.github.io](https://github.com/asifmkhan) · linkedin.com/in/asifmkhan · [Google Scholar \(bit.ly/khanam\)](https://scholar.google.com/citations?user=bit.ly/khanam) · ORCID 0000-0001-9202-279X

EXECUTIVE LEADERSHIP PROFILE

Senior academic and research leader with more than two decades of institution-building across six countries at the intersection of **bioinformatics**, **data science**, and **AI**. Founding Dean of the first School of Data Sciences in Malaysia, Founding Director of a national bioinformatics centre, and currently **Professor and Associate Dean** at the University of Doha for Science and Technology, where I chair the University's ranking working group and contribute to college-wide accreditation and curriculum. Founder of two ventures, **Editor-in-Chief** of a major Elsevier reference work, and an elected leader of the global bioinformatics community (*ISCB Honorary Director*; *APBioNET Vice President*; *GOBLET Chair*). I have attracted ~USD 4.1M in competitive funding, chaired and contributed to the development of eight academic programmes and multiple accreditations, and translated research into tools, patents, and partnerships spanning academia, industry, and government.

CORE LEADERSHIP COMPETENCIES

Institution & Programme Building · Research & Innovation Strategy · AI / Data Science Leadership · **Accreditation & Academic Quality (ABET, MQA)** · Global Partnerships & Consortia

Governance & Board Service · Academic Entrepreneurship (P&L) · Cross-sector & International Leadership · **Talent Development & Mentorship**

LEADERSHIP EXPERIENCE

Professor & Associate Dean, CCIT | University of Doha for Science & Technology, Qatar 2023 – Present

- Deputise for the Dean on academic matters across the College; **chair or vice-chair 12+ college and university committees** spanning accreditation, curriculum, recruitment, quality assurance, and capstone.
- **Chair, UDST THE/QS Ranking Working Group** — set and drive the institution's global-ranking strategy.
- Vice Chair, CCIT Accreditation Taskforce; **contributed to ABET accreditation** of the BSc in Information Systems and BSc in Information Technology.
- Founding Convenor (2024), Centre of Excellence in Bioinformatics.

Founding Dean, School of Data Sciences | Perdana University, Malaysia 2016 – 2019

- Established and led the **first School of Data Sciences in Malaysia**; built faculty, curriculum, and postgraduate programmes from inception.
- Senate member; later appointed Chief Data Officer of the University.
- Secured programme accreditation and positioned data science as a strategic institutional pillar.

Founding Director, Centre for Bioinformatics (PU-CBi) | Perdana University, Malaysia 2014 – 2016

- Founded and directed the University's bioinformatics centre, building research capacity, funding, and international partnerships.
- Delivered as part of the **JHU-Perdana Public-Private Partnership** under Malaysia's Prime Minister's Department.

Founder & CEO — Alterquo (Malaysia); Co-Founder — BioAct (Türkiye) | Academic ventures 2017 – 2023

- Founder & CEO of **Alterquo** (university spin-off in high-dimensional data services), with full strategic and operational responsibility; Co-Founder and advisor to **BioAct** (clinical-informatics start-up).

Professor (seconded) & TÜBİTAK International Fellow | Bezmialem Vakıf University (BİLSAB), Istanbul, Türkiye 2019 – 2023

- Awarded the **TÜBİTAK International Fellowship for Outstanding Researchers** (with research grant); built viral-diversity analytics capability and mentored a cross-border team.

- Selected to the **pioneer team** establishing Perdana University under a JHU collaboration; maintained a JHU faculty affiliation while building capacity in Malaysia.

GOVERNANCE, EDITORIAL & GLOBAL LEADERSHIP

- **Editor-in-Chief**, Encyclopedia of Bioinformatics & Computational Biology, 2nd ed. (Elsevier, 2025); Section Editor, 1st ed. (2018; 334 peer-reviewed contributions).
- **Honorary Director**, International Society for Computational Biology (ISCB), 2025 – Present.
- **Vice President (Operations) & Immediate Past President**, Asia-Pacific Bioinformatics Network (APBioNET).
- **Chairperson & elected Executive Board member**, GOBLET (Global Organisation for Bioinformatics Learning, Education & Training).
- **Founder & Lead**, Bioinformatics Grand Challenges Consortium (BGCC); Associate Editor, Frontiers in Genetics / Bioengineering & Biotechnology.
- **Vice President & Immediate Past President**, Association for Medical & Bio-Informatics, Singapore (AMBIS).
- **External thesis examiner** for 16 PhD/MSc examinations across ten universities in five countries; reviewer for numerous journals, conferences, and funding agencies.

SELECTED ACHIEVEMENTS & ORGANISATIONAL IMPACT

- Attracted **~USD 4.1M in competitive funding** (~USD 2.4M directly managed) across ~35 local and international grants.
- Chaired and contributed to the development of **eight academic programmes** (undergraduate, postgraduate, and diploma) as Program Director, curriculum lead, or taskforce/board chair; contributed to two others. Led some programme accreditations and supported others (MQA, 2017; ABET at UDST).
- Founded and directed **two research entities and two ventures** across Malaysia, Türkiye, and Qatar.
- Delivered **70+ invited keynotes and plenaries** in a dozen-plus countries; organised 80+ international conferences, workshops, and meetings.
- Honours: **TÜBİTAK International Fellowship for Outstanding Researchers** (2020–2023); two Best Paper Gold awards (InCoB 2017); Zuckerkandl Prize (2003, as co-author).

RESEARCH & SCHOLARLY IMPACT (CONDENSED)

- **90+ peer-reviewed publications**; 3,600+ citations; h-index 29; i10-index 49 (Google Scholar).
- **Three granted US patents**; 20+ bioinformatics tools and databases developed or co-developed.
- **Graduated 16 doctoral and master's researchers**; mentored 100+; taught 2,000+ students across four countries.

EDUCATION

- **PhD, Bioinformatics** — National University of Singapore (2010)
- **MSc, Bioinformatics** — National University of Singapore (2005)
- **BAppSc (Hons), Biotechnology** (minor in Scientific Computation & Multimedia Communication) — NUS (2003)

A full academic curriculum vitae (publications, grants, teaching, and service in detail) is available on request.