

GLOBAL RESEARCH & ACADEMIC THOUGHT-LEADER

TRANSFORMING EDUCATION & LEARNING

Respected Academician, research scientist, leader & mentor of diverse teams. Thought-leader & speaker: Senior institutional administration experience. Inspires excellence to empower minds, careers and futures of youth. Academic and business acumen, relationships & technology; engage learners, teachers, parents, administration, stakeholders to deliver student excellence. Agile, values-driven, solution-oriented leadership to define and deliver success in schools and in communities.

LEADERSHIP IMPACT & PROFESSIONAL EXPERTISE

EMS School, Pearson Edexcel Board emshighschool.com 2019 to present

Head of Department, Education Advisory & A-Levels Teacher

- Education Consultant: Responsible for teacher training, syllabus design, schedule management
- Design and lead complex student events and competitions
- Sought-out teacher of IAS and IAL Biology (A' Levels) with excellent student performance record
- Enable teachers, parents and students to successfully navigate change & balance engagement and discipline

Strategic Academic Advisor, Regional Homeschooling Network 2011 to 2018

Education, Lab & Extracurriculars. Journalist

- Regularly wrote for *Dawn, Sci-Tech World; The News, Political Economy; Saudi Gazette*
- Organized competitions, laboratory, field trips. Empowered students to leverage available resources
- Personally tutored subjects Grades 2-12.
- Authored *Living Islam, Books 1, 2 and 3, Sama Publishers*. Curriculum: St. Patricks's (Khi) and Headstart School (Isl)

Headstart School, Cambridge Board headstart.edu.pk 2003 to 2010

Academic Team Lead; Teacher. Published Author

- Awarded "*Faculty Excellence Award in Recognition of Excellence in Teaching*"
- Managed administrative responsibilities for 9 departments
- Widely-respected teacher of A' Levels *Biology (Cambridge Board)*
- Conducted internship programs for students in under-privileged schools

DEGREES & ACADEMIC ACCOMPLISHMENTS

Al-Azhar University (Affiliate: American Open University) aou.edu 1998-2002

Associates Degree in Arabic and Islamic Studies

- Joint Program; Quranic Exegesis, Jurisprudence, Principles of Jurisprudence, Arabic, Hadith Methodology
- Outstanding achiever and academic excellence, research papers recognized

Yale University yale.edu 1996-1998

Master of Science, 1998: Department of Molecular, Cellular and Developmental Biology

- Biochemistry and Genetics; Molecular Genetics of Prokaryotes; Biology of the Immune System; Cellular and Molecular Medicine; Roles of Microorganisms in the Living World; History of Biology

Researcher: Lab. of Prof. Ronald Breaker, Yale University

- Ground-breaking research on self-cleaving DNA. Isolated "Molecule of the Year"
- Publication - Cleaving DNA with DNA, Proceedings of the National Academy of Sciences, USA, March 3, 1998

Researcher: Lab. of Nobel Laureate Prof. Sidney Altman, Yale University

- Worked on inducing drug sensitivity in bacteria
- Professor's Teaching Assistant for Yale undergraduate class "Principles of Evolution, Ecology and Behaviour"
- Teaching Fellow, instructed in teaching methodologies as part of the Teaching Fellows Program at Yale University

Scripps University, Claremont Colleges, California

1992-1996

Ranked among US Top 20 Liberal Arts Universities

Magna Cum Laude, Biology Major

Honors, Scholarships, Awards and Community Service

Awards, Honors and Recognition

- “Barbara McClintock Science Award” for the best senior thesis in Science
 - *“Neurite Outgrowth and the Amyloid Precursor Protein in Trisomy 16 Mice”*
- “Honors in Biology” awarded by the Joint Science Department of the Claremont Colleges
- 6 semesters on “Dean’s List for Scholarly and Academic Achievement”
- Elected Associate Member of Sigma Xi, The Scientific Research Society
- Elected to “Who’s Who Among Students in American Universities and Colleges”
- Selected to be student member of Board Focus Group and Strategic Planning Committee for Scripps College
- Accepted for admission as a candidate for the PhD degree in Cell and Molecular Biology to the Graduate School of Biomedical Sciences at **Baylor College of Medicine**
- Accepted for admission, as a candidate for the PhD degree, to the **Cornell University Graduate School of Medical Sciences**, Interdisciplinary Program in Molecular Medicine

Scholarships

- Recipient of Christine Galitzi Memorial Scholarship for excellence in the classroom
- Recipient of the Scripps International Scholarship, 4 years full tuition, room and board
- U.S. national competition nominee for the Watson Fellowship to study fortress design across Europe and Asia

Work Experience & Community Service

- Baylor College of Medicine Internship: Medical & Research Training Program
 - Researched gene regulation in mice
- Identified as an outstanding Math student and selected as a Calculus tutor
- Selected as an undergraduate Writing Tutor and awarded “Certificate of Recognition”
- Trained at the Claremont Colleges Joint Teacher Training Program
- Founding member of the Claremont Colleges Muslim Students Association. Remained on Board of Directors
- Member of Orientation Staff for international students

Diverse Learning & Growth

- Major – Biology. Additional courses:
 - German, Literary Criticism, Psychology, Ethnic Conflict, Weakness of Will, Studio Art, Riflery
 - Islamic Philosophy, Post-Modernism to Post-Feminism, World of Genji, Aeronautics, Rock-climbing

Global Secondary Education

- A’ levels, 1992: Karachi Grammar School, Pakistan
- O’ levels, 1990: C.A.S. School, Karachi
- Primary School: St. Andrews, Blantyre, Malawi