

RAFIA GUL

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📍 Home: 35430 Izmir (Türkiye)

EDUCATION AND TRAINING

PhD Bioengineering

Izmir Institute of Technology [01/10/2024 – Current]

Address: Gülbahçe Kampüsü Urla , 35430 Izmir (Türkiye) | Website: <https://en.iyte.edu.tr/>

MPhil Biochemistry/Molecular Biology

Quaid-i-Azam University [2020 – 2022]

Address: 45320 ISLAMABAD (Pakistan) | Website: <https://qau.edu.pk/> | Final grade: 3.7 / 4.0, GRADE B | Thesis: Investigation of level of Neuro-Hormonal Peptide as an early-stage detection marker for Cardiac Failure

BS Biosciences

COMSATS University, Islamabad [2016 – 2020]

Address: Park Road, 45550 Islamabad (Pakistan) | Website: <https://www.comsats.edu.pk/> | Final grade: 3.57/4.0 GRADE B+ | Thesis: Study of Acute and Chronic Leukemia in Capital City

TOEFL-iBT

ETS [05/08/2023]

Field(s) of study: English Proficiency Exam | Final grade: 94 out of 120 Reading: 25 Listening: 23 Speaking: 23 Writing: 23

WORK EXPERIENCE

Internee

Armed Forces Institute of Pathology (AFIP) [15/07/2018 – 18/08/2018]

City: Rawalpindi | Country: Pakistan | Name of unit or department: Department of Microbiology, Histopathology, Chemical Pathology, Hematology.

PUBLICATIONS

- [2022]
Micro RNAs as Potential Biomarkers for Early-Stage Diagnosis of Hyperglycemia Induced Cardiac Autoimmunity.
- [2022]
Profiling of targeted miRNAs (8-mer) for the genes involved in type 2 diabetes mellitus and cardiac hypertrophy.
- [2021]
Micro RNAs as potential Diagnostic and Therapeutic Biomarkers in Acute Myeloid Leukemia
- [2021]
Micro RNAs functional role as Molecular Signatures in diagnosis and prognosis of Non-Hodgkins's Lymphoma (NHL)
- [2021]
Melatonin via p53/Ubc13 pathway ameliorates the cardiotoxicity produced by Bisphenol A

CONFERENCES AND SEMINARS

[06/2022] Philadelphia, USA

Certificate of Attendance for Participation in the educational activity titled 6th Annual Heart in Diabetes Congress CME Activity 2022

[12/2021] Islamabad, Pakistan

Symposium on Cardiovascular Signaling Quaid-i-Azam University

[11/2021] Quaid-i-Azam University, Islamabad Pakistan

4th International Conference on Applied Zoology (ICAZ) 2021

HONOURS AND AWARDS

[12/2021] Quaid-i-Azam University Islamabad Science Society

Winner of Science Fair – Scientific Model Exhibition

[05/2019] COMSATS University Islamabad

Certificate of Appreciation for Participation in Virus Awareness Event

[12/2017] Microsoft

Microsoft Office Specialist Certificate of Word 2016

[12/2017] Microsoft

Microsoft Office Specialist Power Point ® 2016

RESEARCH SKILLS

Molecular Biologist and Biochemist

in vivo Animal Modelling and Experimentation

Case-control Study

ELISA

Western Blotting

Real Time PCR

Polymerase Chain Reaction

Nucleic acids Extraction and Relative Expression Analysis

Molecular & Biochemical Assays

Histopathological Evaluation

Primary Cell Culture (Neonatal Rat Cardiomyocytes)

Atomic Absorption Spectrometry

SPSS and GraphPad Prism Statistical Software

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Turkish

LISTENING A2 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

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

RECOMMENDATIONS

Name: Dr. Ceyda Öksel Karakuş | Chairperson Department of Bioengineering, Izmir Institute of Technology, Izmir 35430 Turkiye

Email: ceydaoksel@iyte.edu.tr

Name: Dr. Iram Murtaza | Professor Department of Biochemistry, Quaid-i-Azam University, Islamabad, 45320, Pakistan

Email: irambch@qau.edu.pk

Name: Dr. Muhammad Rizwan Alam | Associate Professor Department of Biochemistry, Quaid-i-Azam University, Islamabad, 45320, Pakistan

Email: mralam@qau.edu.pk