

To collaborate with urban planners, architects, and engineers to develop and implement GIS-based solutions that support the design and construction of the city's infrastructure, transportation networks, and public amenities.

ASAD MAQSOOM

CONTACT DETAILS

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 **H.NO G-221 Gulfishan
Housing Society, Karachi**

HOBBIES

- Spatial Data Analysis
- Remote Sensing
- Cartography
- Programming
- Photography
- Traveling

SKILLS

- Geographic Information Sciences
- Remote sensing
- Computer literacy
- Analytical Skills
- MOS-Expert
- Front-End Web Developer

EDUCATION

University of Karachi — Karachi, Pakistan
Masters of Philosophy (GEOGRAPHY) 2022-CONT.
University of Karachi — Karachi, Pakistan
Masters of Science (GEOGRAPHY) 2020-2021
University of Karachi — Karachi, Pakistan
Bachelor of Science (BSc.Hons) 2017-2020

PROFESSIONAL EXPERIENCE

Teaching – Karachi Pakistan.
In Different Schools and Tuitions.
2020 – Still
Internship – Pakistan Metrological Department (PMD)
2022
Internship – World Health Organization (WHO)
2022
Internship as GIS Analyst - Department of Geography,
University of Karachi.
2022
Internship as R&D (Research and Development)
Department of Geography, University of Karachi.
2022
Internship as R&D (Research and Development)
Urban and Infrastructure Engineering Department
NED University of Engineering & Technology.
2021

ACADEMIC RESEARCH AND PROJECTS

- Geospatial assessment on impacts of CO and noise pollution in an urban city: a case study of Karachi during 2021
- Land-use and land cover analysis of Sharah-e-Faisal and impact of infrastructure on the environment of Karachi metropolis
- Assessment on flood extraction of Sindh through geospatial information techniques (pre & post-monsoon-2021)
- Sea turtles of the Arabian sea
- An overview of COVID-19 in North America
- Spatio-Temporal change in landcover of North Nazimabad through techniques of Remote Sensing

LANGUAGES

- Punjabi ★★★★★
- Urdu ★★★★★
- English ★★★

PROGRAMMING LANGUAGES

- HTML ★★★★★
- CSS ★★★★★
- Bootstrap ★★★★★
- Javascript ★★★
- React ★★★

PUBLICATIONS

KAUSAR, A., AFZAL, A., SAEED, G., **MAQSOOM, A.**, KHAN, O. I., AFSAR, S., ANIS, Y., ZEHRRA, S. M., VAMBOL, V., & VAMBOL, S. (2023). LAND-USE/LAND COVER ANALYSIS THROUGH OBJECT BASED TECHNIQUE: A CASE STUDY OF SHAHRAH-E-FAISAL. ECOLOGICAL QUESTIONS, 34(2), 1–15. [HTTPS://DOI.ORG/10.12775/EQ.2023.024](https://doi.org/10.12775/EQ.2023.024)

ACHIEVEMENTS & CERTIFICATES

- 1st Division in MSc and BSc (hon.)
- Certificate of Participation “INTERNATIONAL SYMPOSIUM ON HISTORICAL & GEOGRAPHICAL CONNECTIONS BETWEEN TURKEY AND PAKISTAN (PAST, PRESENT AND FUTURE PROSPECT)” (Oral Presentation)
- 3 Days workshop on GIS, held at the Department of Zoology, University of Karachi. (As an instructor)
- Certificate of Participation " 15th All Pakistan Geographical Conference" (Organized by the Department of Geography, University of Karachi)
- Certificate of Participation " GISDay" (Organized by the Department of Geography, University of Karachi)
- Certificate of Participation “APPLICATION OF REMOTE SENSING USING GOOGLE EARTH ENGINE” (3 Days Workshop organized by Punjab University Geographical Society)