Sara Farooq

Assistant Professor

NUST Institute of Civil Engineering

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About

Dr. Sara Farooq is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Sara Farooq has a PhD in Structural Engineering. Dr. Sara Farooq has published 7 research articles & conference papers having a citation count of 80, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Structural Engineering 2021 - 2024
Nagoya University , Japan

MSc in Structural Engineering 2014 - 2016
Hokkaido University , Japan

BE in Structural Engineering 2009 - 2013
NUST, Islamabad , Pakistan

F.Sc in Pre-Engineering 2007 - 2009
FBISE, Islamabad , Pakistan

Matric (SSC) in Science 2005 - 2007
FBISE, Islamabad , pakistan (Duplicate)

Experience

Assistant Professor 2025- Present
NUST Institute of Civil Engineering

Lecturer 2025 - 2025
NUST Institute of Civil Engineering

Lecturer 2022 - 2016
NUST Institute of Civil Engineering

Lecturer 2022 - 2025
NUST Institute of Civil Engineering

Lecturer 2016 - 2022
NUST Institute of Civil Engineering

Lecturer 2022 - 2022
NICE NUST , National University of Sciences and Technology, H-12

Lecturer 2016 - 2021
NICE, NUST , H-12 Islamabad

Senior Design Engineer 2014 - 2014
New Vision Engineering Consultants , F8 Markaz

Design Engineer 2013 - 2014
Arif Consulting Engineers , Green trust tower, IBD

Awards

Outstanding Paper 2016
Fourth International conference for sustainable construction materials and technologies, Award winning paper

Professional Memberships

PEC Since 2013

Research Articles

Estimation of anisotropy of expansion from crack orientation in concrete damaged by alkali–silica reaction under constraint conditions 2025

Sara Farooq Taito Miura Hikaru Nakamura

Construction and Building Materials , Volume:489, Article Number 142145

Impact Factor: 8.000 | **Quartile:** 1

DOI: https://doi.org/10.1016/j.conbuildmat.2025.142145

Anisotropic expansion behavior and crack orientation of reinforced concrete due to the alkali–silica reaction 2024

Sara Farooq Gentaro Aoki Taito Miura Yuichiro Kawabata Hikaru Nakamura

Cement and Concrete Composites , Volume:151, Article Number 105568

Impact Factor: 10.8 | **Quartile:** 1 | **Citations:** 3

DOI: https://doi.org/10.1016/j.cemconcomp.2024.105568

Development of elastic and plastic strains in concrete damaged by alkali–silica reaction during various compression loading tests 2023

Sara Farooq Misato Fujishima Gentaro Aoki Taito Miura Hikaru Nakamura

Construction and Building Materials , Volume 393, Article Number 132099

Impact Factor: 7.400 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1016/j.conbuildmat.2023.132099

Residual mechanical properties of steel fiber reinforced concrete damaged by alkali silica reaction and subsequent sodium chloride exposure 2022

Sara Farooq Hiroshi Yokota

Ceramics International , Volume:48, Issue:17, Page:24850-24858

Impact Factor: 5.2 | **Quartile:** 1 | **Citations:** 11

DOI: https://doi.org/10.1016/j.ceramint.2022.05.138

Utilization of Solid Waste from Brick Industry and Hydrated Lime in Self-Compacting Cement Pastes 2021

Mati Ullah Shah Muhammad Usman Iqra Naseem Muhammad Usman Hanif Sara Farooq

Materials , Volume 14(5), Article Number 1109

Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 26

DOI: https://doi.org/10.3390/ma14051109

Moving towards resource conservation by automated prioritization of concrete mix design 2020

Sara Farooq Khuram Rashid Alina Mahmood Sahar Iftikhar Aftab Ahmad

Construction and Building Materials , Volume 236, Article Number 117586

Impact Factor: 6.141 | **Quartile:** 2 | **Citations:** 38

DOI: https://doi.org/10.1016/j.conbuildmat.2019.117586

Conference Proceedings

Mechanical properties of steel fiber reinforced concrete damaged by ASR and subsequent corrosion of steel fiber 2016

Sara Farooq Hiroshi Yokota Katsufumi Hashimoto

Fourth International Conference on Sustainable Construction Materials and Technologies, SCMT4 , res.country(233,)

Citations: N/A

DOI: N/A