

MOHAMMED SALHA

PhD Student

@ mohammed.salha@uniroma1.it 📍 Rome, Italy

EDUCATION

Sapienza University of Rome

📅 November 2019 – Present 📍 Rome, Italy

- PhD in Chemistry
- Computational study of local atomic order in cements
- Using ab-initio, quantum molecular cluster and molecular dynamics approaches to resolve local properties of C-S-H nanoparticles and interfaces

Queen Mary University of London

Msc Chemical Research

📅 Sept 2017 – Sept 2018 📍 London, England

- Distinction
- “Investigating the Atomistic role of Aluminium in Cements”
- Used QMC methods to investigate the role Aluminium plays in cement toughening at the atomic level. Substituted Al into the C-S-H gel nanoparticles and extracted trends in Al coordination, position, ordering and effect on angular distribution.

Queen Mary University of London

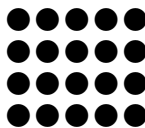
BSc Chemical Research

📅 Sept 2014 - June 2017 📍 London, England

- First Class Honours
- Order-Disorder transitions and Functionality in Cements
- Simulated QMCs of Silicon oligomers into which Al was substituted. Investigated, Loewenstinian contributions to free energy as well as changes angular distribution

SKILLS AND LANGUAGE

Unix, g09, AIM, MS Office, Latex, NMR, IR
Practical Lab Training
English
Arabic



COURSES

Class 3B and 4 Laser Safety Training

University of Cambridge

📅 October 2018

RESEARCH ACTIVITIES

Neutrons matter: VII international workshop on electron-Volt neutron spectroscopy

📅 November 2018 📍 Rome

- Presented MSc project poster

WORK EXPERIENCE

Talent Engaged tuition

- Taught and coordinated full A level Chemistry course
- Taught GCSE Maths, Science and English

O2 Fleet Street

- Worked in customer service mainly handling and resolving issues over the phone

Perun Gym and QM Muay Thai Society

- Worked as assistant Coach for QM Muay Thai Soc helping to teach as well as coach fighters through university fight nights
- Fought numerous amateur and professional Muay Thai/K1 bouts