

Mahir Hashimov

PhD/Researcher in Chemistry

Experienced Laboratory Specialist and Researcher with a demonstrated history of working in the Oil & Gas industry and different research groups. Skilled in GS-MS, LC-MS, NMR, MALDI-TOF, ESI-MS and Aspen HYSYS Plus, Chem CAD. Strong research professional with a PhD Degree focused in Chemistry from University of Debrecen.

Work Experience

Researcher

Debrecen University (Oct 2018 – presents)

- Characterization of complex polymer systems with mass spectrometry – MALDI-TOF and ESI-QTOF
 - Analyzing different pharmaceutical and biological samples
 - Separation and measuring PEG amount in urine with HPLC-MS
 - Measuring flavonoids in wines with GS-MS
 - Method validation for different systems
 - Supervise BSc students in their diploma thesis
 - Supervise students in summer internship
 - Writing manuscripts/publication
 - Participating in national/international conferences
- <https://www.researchgate.net/profile/Mahir-Hashimov>

University Lecturer

Baku Higher Oil School (Jul 2018 - Oct 2018)

- Teaching “Thermodynamics” and “Separation methods” to BSc Chemical Engineering Students
- Preparing and teaching “Introduction to Corrosion Engineering” to MSc Chemical Engineering Students
- Conducting weekly and monthly exams

Synthetic Organic Chemist

Debrecen University (Nov 2016 - May 2018)

- Preparing intermediate products for the desired product
- Developing column chromatography
- Performing Synthesis of C-(β -D-glucosaminy)-1,2,4-triazines
- Determination of the compounds with ESI-MS, ^{13}C and ^1H NMR

Asphalt Plant QC Laboratory Specialist

Aztikintiyol (July 2017 - Sep 2017)

- Ensures that the aggregate, asphalt and bitumen passes standard specifications and acceptable for use
- Responsible for sampling and testing of bitumen and asphalt concrete in Marshall method at plant and construction site to determine if it is within standard the specifications as per BS, EN and ASTM standards



Contact

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Education

Chemical Engineering BSc

Major: Petrochemistry
Qafqaz University
(2010 - 2015)

Chemical Engineering
Erasmus student
Marmara University
(2012 - 2013)

Chemistry MSc
Major: Synthetic chemistry
Debrecen University
(2016 - 2018)

Chemistry PhD
Major: Analytical Chemistry
Debrecen University
(2018 – 2022)

Languages

Azerbaijani (*native*)
Turkish (*fluent*)
English (*fluent*)
Russian (*intermediate*)
Hungarian (*lower intermediate*)
German (*elementary*)

Safety Technician

Fire Safety Services (May 2016 - Aug 2016)

- Conducting Hydrotest and ultrasonic Testing Compressed gas containers and oxygen cylinders
- Lead, guide and monitor the analysis, design, implementation and execution of the test cases, test procedures and test suites

Offshore Drilling HSE advisor

SOCAR-AQS (Aug 2014 - May 2016)

- Ensure that HS & E Management Systems and processes are continually fit for purpose and are suitable and sufficient
- Conducting accident and incident investigation, Platform Site Safety Induction & Safety related courses, Risk Assessment review for all platform activities along with client reps, Gas Test on site
- Implementing the safety amendments in work guidelines & procedures when required. Auditing WCC & ICC - Permit to Work System
- Preparation and review the operation support: QHSE related procedures and guidelines

Laboratory assistant intern

FAB Dyes and Chemicals (May 2014 - Aug 2014)

- Conduct chemical or physical laboratory tests to assist scientists in making qualitative or quantitative analyses of different types of dyes and paints
- Maintain, clean, or sterilize laboratory instruments or equipment
- Monitor product quality to ensure compliance with standards and specifications.

Intern in Ethylene Plant

PETKIM Petrokimya Holding (Jul 2013 - Aug 2013)

- In Hydrocarbon-Oils, Fuels, Gas Chromatography Laboratories
- Analysis of routine / non-routine intermediate products and final product (liquid-gas) samples coming from ethylene plant
- Taking samples from raw materials coming to the petrochemical plant and performing input quality control tests

Projects

North Caspian Operating Company N.V. (NCOC N.V.) Kazakhstan

YKK (Wood Group) (Apr 2016 – Aug 2016)

- Pressure Test of Breathing Apparatus' CYLINDERS
- Performing AMMONIA TEST- Preparing and teaching

AWARDS

Young Researchers Fellowship 2019

Issuer: European Union and the European Social Fund, Debrecen Venture Catapult Program - Széchenyi 2020

Young Researchers Fellowship 2021

Issuer: European Union and the European Social Fund, Debrecen Venture Catapult Program - Széchenyi 2021

SOFTWARE SKILLS

MS Office Programs (Excel, Word, Power Point, etc.)
Chem Draw
Chem Cad
Aspen HYSYS
PRO II Process Simulation
Bruker's software
MATLAB
Visual Basic

Certificates

Honors Diploma in Chemical Engineering
Safety of Life at Sea (SOLAS)

HOBBIES

Digital Marketing
Web programming
Swimming
Cycling
Chess
Watching Moon by telescope
Playing Tar musical instrument