



SANEM REYHAN GÜZEL

CONTACT

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PROJECTS

- Stability of Drug-Loaded Polymetric Micelles in Body Fluids (Undergraduate Thesis)
- Sorbitol Production from Residual Biomass (Corn Cob) Sources
- Gasification of Lignocellulosic Biomass and Renewable Fuel Production via Fischer-Tropsch Synthesis
- Production of Packaging Polymer - Manufacturing Composite Materials through Extrusion Process
- Fluidized Bed Reactor Design for Aniline Production Plant
- Gold-Coated Magnetic Nanoparticles for In Vivo Targeted Drug Delivery
- Synthesis of PEG-COOH Coated Fe₃O₄ Nanoparticles

SKILLS

- Microsoft Office
- SAP Sales and Distribution
- MATLAB
- ASPEN
- Polymath
- Reporting and Analysis
- Market Research
- Strategic Communication
- Problem Solving

LANGUAGES

- Turkish (Native)
- English (Advanced)
- Japanese (Beginner)

EXPERIENCE

Meta Nikel Kobalt Madencilik A.Ş.

Survey and Reporting Engineer

Manisa, Turkey

December 2021 -

Currently serving as a Survey and Reporting Engineer in the Strategy Department at Meta Nikel Kobalt A.Ş., a subsidiary of Zorlu Holding, specializing in Mixed Hydroxide Precipitate (MHP) production. Responsibilities include monitoring facility production and consumption, preparing monthly reports and presentations for executives, and contributing to the sales process of a value-added Nickel and Cobalt intermediate product using the SAP SD module. Focused on anticipating customer needs, understanding market dynamics, and optimizing overall sales performance for enhanced customer satisfaction.

Bilfer Madencilik A.Ş.

Engineering Intern

Balıkesir, Turkey

June 2021 - July 2021

Completed a 20-day summer internship at Sadullah Bilgin Ayvalık Iron Ore Enrichment Facility, involving a comprehensive examination of factory equipment and processes, followed by active participation in laboratory studies. The facility specializes in producing 'Sintered Iron Concentrate,' 'Micronized Magnetite Concentrate,' and 'Copper Concentrate'. Valuable insights into mineral exploration, enrichment processes, and overall facility operations were gained during this internship, contributing to a comprehensive understanding of the mining industry.

DYO

Engineering Intern

Izmir, Turkey

August 2019 - September 2019

Completed a 20-day internship at DYO Çiğli Paint Plant, gaining insights into synthetic resin production, powder coating, and paint application techniques. Acquired knowledge of chemical compositions, raw material mixing, dispersion, and color application. Developed understanding of batch reactor-based resin production and powder paint application, contributing to knowledge of the paint manufacturing industry.

EDUCATION

Izmir Institute of Technology

MSc, Chemical Engineering | English

Izmir, Turkey

2022 -

- Thesis: Investigation of leaching parameters on various metals from ores. (*Supervisor: Prof. Dr. Ash Yüksel Özgen*)

Izmir Institute of Technology

BSc, Chemical Engineering | English

Izmir, Turkey

2016 - 2021

- 5 Honour Certificates.
- GPA: 3.11/4.