

## **Nikoo Alirezapour**

Email: [Niko.alirezapour@gmail.com](mailto:Niko.alirezapour@gmail.com)

Nationality: Iranian

Tel: 09126025755

Status: Single

Age: 30

### **Education**

---

M.SC. Process design (Semnan University, 2015-2017)

Researcher\_ Extraction of thymol from ZATARIA using ultrasonic waves, Semnan University, 2017,  
Dr.A.Haghighi

B.SC. Chemical Engineering ( Razi University, 2011-2015)

Researcher\_ Mulching, Razi University, 2011, Dr.M.Ahmadi

### **Summary**

---

Over 5 years' experience in the field of safety/process safety and loss prevention of oil and gas refinery, petrochemical plants and chemical industries.

### **Publication**

---

- Translator \_ Using Aspen Plus in Thermodynamics Instruction: A Step-by-Step Guide (Stanley Sandler) Publications, Semnan University
- Researcher \_Ultrasound – assisted extraction of thymol from Zataria multiflora Boiss.:Optimization by response surface methodology and comparison with conventional Soxhlet extraction -Bulgarian Journa-2020

### **Work experiences**

---

#### **1- Process and Process Safety Engineer in Nargan Company (2021 -Current)**

- Dehloran Olefin Plant, Safety Engineer
  - Noise study
  - Hazardous Source List
  - Hazardous Area Classification Layout (API 505)
  - Fire Proofing Layout
  - Fire and Gas Detection Layout
  - Fire and Gas Detection Cause and Effect Diagram
  - Fire Fighting and Safety Equipment Procurement (TCL, TBE etc.)
  - Safety Sign Procurement (TCL, TBE etc.)
  - Fire Truck Procurement (TCL, TBE etc.)
  - Flare Package Procurement (TCL, TBE etc.)

- Gachsaran Olefin Plant, Safety Engineer
  - Noise study
  - Fire Water Demand Cal.
  - Fire Fighting Layout
  - Fire Water Ring Hydraulic Cal.
  - Escape Route Layout
  - Fire Fighting Equipment Datasheet
  - Fire Truck Procurement (TCL, TBE etc.)
  - Safety Sign Procurement (TCL, TBE etc.)
  
- Gheshm Refinery, Safety Engineer
  - Noise study
  - Flare network design and sizing.
  - Flare Pump and Drum sizing
  - Radiation study
  - Flare Package Procurement (TCL, TBE etc.)
  - HAZOP and HAZID study.
  - Consequence Modeling
  
- Dehdasht High-Density Polyethylene Project, Safety Engineer
  - Flare network design and sizing.
  - Flare Pump and Drum sizing
  - Radiation study
  - Noise study
  - Flare Package Procurement (TCL, TBE etc.)
  
- Compression Station Pilot Plant Phase 19 South Pars, Safety Engineer
  - Noise study
  - Hazardous Source List (IP 15)
  - Hazardous Area Classification Layout
  - Fire Proofing Layout

## **2- Process and Process Safety Engineer in Petro Fanavaran Nasim Company (2017 -2021)**

- launching and designing, Mini Gas condensate refinery, Process and Process Safety Engineer
  - Gas Condensate unit simulation and initial equipment design
  - layout of process equipment and devices
  - Safety of storage tanks and design of Active and Passive systems
  
- Member of HAZOP Process Risk Assessment Team (*Scribe*) in:
  - NF Unit of Faravarsh Company in Bandaramam
  - Storage tanks in Petro Sanat Naphthalene Pars Company in Assaluyeh
  - Methanol Petrochemical Industries NPC

## Skill

---

### ➤ Software

### Mastery in technical and practical parts of standards

- |                         |      |
|-------------------------|------|
| • FLARENET              | API  |
| • FLARESIM              | ASME |
| • Aspen HYSYS           | NFPA |
| • PHA-Pro               | IEC  |
| • PHAST                 | ASTM |
| • PIPENET               | ISA  |
| • Design Of Experiments | IP   |
| • MATLAB                |      |