Ali Sufali – Résumé

Address	Institute of Petroleum Engineering (IPE), University of Tehran, Tehran, Iran	**Mobile Phone**	+98 (918) 488 9034
Date of Birth	2nd September 1996	**Email**	ali.sufali@ut.ac.ir
Nationality	Persian	**LinkedIn**	ali sufali

Personal Profile

Reservoir engineer, PVT Specialist and Programmer with 3+ years of experience in PVT simulations and Computational Fluid Dynamics (CFD) and 5+ years of experience in writting scientific programs, Looking to use my skills and experiences in developing and building accurate, robust and efficient simulation codes.

Education

2020-Now   PhD. in Reservoir Engineering - University of Tehran, Tehran

Straight Student (Using Educational Background)
Average Score   18.70

2018-2020   M.Sc. in Reservoir Engineering - University of Tehran, Tehran

Straight Student (Using Educational Background)
Average Score   17.92

2014-2018   B.Sc. in Reservoir Engineering - Shiraz University, Shiraz

Third Position in The Class (Among 69 Students)
Average Score   18.12

Researches and Experiences

Project   Writting a PVT flash calculation program for simulaitng 2-phase equilibirium problem.
Phase Equilibrium Flash Calculations (2-Phase) using PR and SRK EOS
with the ability to draw Phase Envelope
Based on the Successive Substitution (S.S.) method
A.Sufali
June 2019
Link

Paper   Exploring pH dependent delivery of 5-fluorouracil from functionalized multi-walled carbon nanotubes.
Journal of Colloids and Surfaces B: Biointerfaces (Impact Factor: 4.389),
A.Solhjoo, Z.Sobhani, A.Sufali, Z.Rezaei, S.Khabnadideh, A.Sakhteman,
September 2021
Link

Paper   Natural Fracture Description using Mud-Loss Data - ...
Scientific- Propagative Journal of Oil and Gas Exploration and Production,
M.Ghaedi, A.Sufali, M.Massah,
April 2020
Link

Patent   Gas/Water Production Prevention Valve (RCP Valve).
A bottom hole valve which works mechanically and prevents (or lowers) water and gas production,
P.Talkab, A.Sufali, A.Ghamartale, M.Massah, H.Yavari, M.Eschrochi, M.Riazi,
Patent Code: ir 139650140003007630,
August 2017
Link

Project   Design and manufacture of Automated Intelligence Control Valve to decrease producing gas oil ratio.
Design and manufacture of an AICV to control gas flow,
With the Support of Premier Idea Support Center of Shiraz University.,
P.Talkab, A.Sufali, A.Ghamartale, M.Massah, H.Yavari, M.Eschrochi, M.Riazi,
August 2017

Software Skills

- **Programming Skills**

  Python, C/C++, Fortran, MATLAB - Programming Languages
  PyQt5, Qt5, Kivy, Tkinter - Graphical User Interface (GUI) Frameworks
  Git - Source Version Control (SVC)
  CMD and Bash Scripting - OS Scripting

- **Simulation Skills**

  Ansys Fluent, COMSOL Multiphysics - Computational Fluid Dynamics Simulators
  Schlumberger Eclipse - Reservoir Simulator
  Schlumberger Pipesim and OLGA - Well Multiphase Flow Simulator

- **Miscellaneous**

  Microsoft Windows, Linux Ubuntu - Operating Systems
  Microsoft Office, $\LaTeX$ - Typescripting and Office

Language Skills

- **Persian:** Native, Professional
- **English:** Professional

Interests

- **PVT and Phase Equilibria Simulation**
- **Computational Fluid Dynamics**
- **Multiphase Flow in Porous Media and Well**
- **Molecular Dynamics Simulation**
- **Quantum Calculations**
- **Well Flow Control Devices**
- **Reservoir Simulation**

Honors and Awards

May 2018 2nd Rank in Team Theoretical Petroleum Engineering Olympiad
Sharif University of Technology (Oilympic)

May 2017 6th Rank in Team Theoretical Petroleum Engineering Olympiad
Sharif University of Technology (Oilympic)