Academic CV

Arash Pakravesh

Ph.D. Student

Department of Physical Chemistry

Faculty of Chemistry

Bu-Ali Sina University

Hamedan, Iran

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EDUCATION

	Years	
Ph.D. (Physical Chemistry)	2016-2021	Bu-Ali Sina University, Hamedan, Iran
M.Sc. (Physical Chemistry)	2013-2016	Bu-Ali Sina University, Hamedan, Iran
B.Sc. (Chemistry)	2008-2013	Payame Noor University, Kermanshah, Iran

MEMBERSHIPS

Member of Iranian Chemical Society (ICS)

Technical supervisor of Iran FDA

RESEARCH INTREST

Thermodynamics, equations of state, thermodynamic derivative properties, excess molar properties, Mathematical programming, and Joule-Thomson effect.

TEACHING

Under graduate: Physical Chemistry I lab

PUBLICATIONS

1. **Pakravesh, A**., Zarei, F. and Zarei, H., 2021. PρT parameterization of SAFT equation of state: developing a new parameterization method for equations of state. Fluid Phase Equilibria, 538, p.113024.
2. **Pakravesh, A**. and Zarei, H., 2021. Prediction of Joule–Thomson coefficients and inversion curves of natural gas by various equations of state. Cryogenics, p.103350.
3. **Pakravesh, A**. and Zarei, H., 2021. On the effect of the hard-sphere term on the Statistical Associating Fluid Theory equation of state. Physical Chemistry Research, In press.
4. **Pakravesh, A** & H Zarei, Prediction of Joule–Thomson inversion curves for natural gas pure components by SAFT and PC-SAFT, 4th thechnical conference of thermodynamics, 2014, Semnan University.
5. **Pakravesh, A** & H Zarei, Prediction of the Joule–Thomson inversion curves for natural gas mixtures by SAFT and PC-SAFT equations of state, 18th Iranian physical chemistry conference, 2015, K. N. Toosi University of Technology.
6. **Pakravesh, A** & H Zarei, Prediction of Joule–Thomson coefficient, speed of sound, Isobaric and isochoric heat capacities of natural gas components by SAFT and PC-SAFT, 1st national conference on gas and petrochemical processes, 2017, University of Bojnord.

AWARDS

Best Research Award, 2021, International Research Awards on New Science Inventions (NESIN 2021)