



CURRICULUM VITAE



Name: Saleh Hosseini
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❖ Education/Qualifications

2012-2016 Ph.D in Chemical Engineering, Shiraz University, Iran
2005-2007 M.Sc. in Chemical Engineering, Isfahan University of Technology, Isfahan , Iran.
2001-2005 B.Sc. in Chemical Engineering, Persian Golf University, Bushehr , Iran.

❖ Employment /Work Experience

2020 - present Faculty member, University of Larestan, Lar, Fars, Iran

❖ Other Experience/Activities

2012 - present Member of Organization For Engineering, Order Of Building, Fars Province, Iran

❖ Academic Awards

2007 & 2016 Top student (M.Sc. & Ph.D)

❖ Languages

English: good, Deutsch: basic.

❖ Journal Papers

- 2022 **Saleh Hosseini**, "Development of a reliable empirical correlation to calculate hydrogen solubility in seventeen alcoholic media", **Scientific Reports**, **2022**; 12: 9615.
- 2022 Seyed Mehdi Alizadeh, Zahra Parhizi, Ali Hosin Alibak, Behzad Vaferi, **Saleh Hosseini**, "Predicting the hydrogen uptake ability of a wide range of zeolites utilizing supervised machine learning methods", **International journal of hydrogen energy**, **2022**; 47: 21782-21793.
- 2022 **Saleh Hosseini**, Amith Khandakar , Muhammad E.H. Chowdhury, Mohamed Arselene Ayari, Tawsifur Rahman, Moajjem Hossain Chowdhury, Behzad Vaferi, "Novel and robust machine learning approach for estimating the fouling factor in heat exchangers", **Energy Reports**, **2022**; 8: 8767-8776.
- 2022 Reza Iranmanesh, Afham Pourahmad, Fardad Faress, Sevil Tutunchian, Mohammad Amin Ariana, Hamed Sadeqi, **Saleh Hosseini**, Falah Alobaid and Babak Aghel, "Introducing a Linear Empirical Correlation for Predicting the Mass Heat Capacity of Biomaterials", **Molecules**, **2022**; 27: 6540.
- 2021 S.H. Esmacili-Faraj, A. Hassanzadeh, F. Shakeriankhoo, **S. Hosseini**, B. Vaferi, "Diesel fuel desulfurization by alumina/polymer nanocomposite membrane: Experimental analysis and modeling by the response surface methodology", **Chemical Engineering & Processing: Process Intensification**, **2021**; 164: 108396.
- 2021 Chuan Sun, M. Barzegar Gerdroodbary, A. M. Abazari, **Saleh Hosseini**, Zhixiong Li, "Mixing efficiency of hydrogen multijet through backward-facing steps at supersonic flow", **International journal of hydrogen energy**, **2021**; 46: 16075-85.



- 2021 Yuelei Zhang, M. Barzegar Gerdroodbary, **Saleh Hosseini**, A. M. Abazari, Zhixiong Li, "Effect of hybrid coaxial air and hydrogen jets on fuel mixing at supersonic crossflow", **International journal of hydrogen energy**, **2021**; 46: 16048-62.
- 2021 Saleh I. Yahya, **Saleh Hosseini**, Abbas Rezaei, "Determination of biodiesel purity through feature mapping to the multi-dimensional space by the LS-SVM approach", **Journal of Thermal Analysis and Calorimetry**, **2021**; 145: 1739-1750.
- 2021 **S. Hosseini**, B. Vaferi, "Determination of Methanol Loss Due to Vaporization in Gas Hydrate Inhibition Process Using Intelligent Connectionist Paradigms", **Arabian Journal for Science and Engineering**, **2021**; 47: 5811-5819.
- 2016 **S. Hosseini**, G. Karimi, "Mathematical modeling of transport phenomena during waterpipe smoking – a parametric study", **International journal of multiphase flow**, **2016**; 85: 314-325.
- 2012 **S. Hosseini**, S. Nouri Khorasani, "Structural modification of poly(tetrafluoroethylene) by electron beam radiation in air", **Journal of Elastomers & Plastics**, **2012**;44(1):67-77.

❖ Conference Papers

- 2022 **S. Hosseini**, A. Rasoolzadeh "Prediction of the Solubility Parameter for Various Compounds Using Three Cubic Equations of States", **6th Conference of Thermodynamics, 1 June 2022, Tehran**.
- 2012 **S. Hosseini**, S. Nouri Khorasani "Physico-mechanical properties of Electron beam radiated Polytetrafluoroethylene (PTFE)", **5th International Conference on Polymer Behavior (ICPB5), 15-18 October 2012, Portugal**.

❖ References

Dr. Gholamreza karimi

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