



بسمه تعالی

خلاصه سوابق علمی و اجرایی



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تحصیلات:

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 - دکتری: مهندسی شیمی (نفت)، دانشگاه علم و صنعت ایران (۱۳۸۷-۱۳۸۲)
- عنوان رساله دکتری: شناسایی فرمولاسیون گل حفاری سنتزی مناسب برای حفاری چاه‌های نفت دریایی
- Ph.D. Thesis: Identification of a Synthetic Drilling Fluid Appropriate for Offshore Oil Well Drilling
- فرصت مطالعاتی در دانشگاه ایالتی لوئیزیانا (Louisiana State University) در سال ۲۰۰۶

سوابق اجرایی:

- ریاست دانشگاه سمنان (از ۱۳۹۶/۱۲/۲۷)
- نماینده مقام عالی وزارت علوم، تحقیقات و فناوری در هیات امنای موسسه آموزش عالی غیردولتی- غیرانتفاعی فضیلت (-۱۳۹۷)
- معاون اداری و مالی دانشگاه سمنان (سال ۱۳۹۶ از شهریور تا آخر اسفند)
- معاون دانشجویی دانشگاه سمنان (۱۳۹۰-۱۳۹۶)

- سرپرست معاونت فرهنگی دانشگاه سمنان (۱۳۹۳-۱۳۹۵)
- مدیر گروه آموزشی طراحی فرآیندهای نفت (۱۳۸۸-۱۳۹۴)
- مدیر گروه آموزشی مخازن هیدروکربوری (۱۳۹۲-۱۳۹۴)
- رئیس دفتر ریاست و روابط عمومی دانشگاه (۱۳۸۹-۱۳۹۳)
- معاون دانشکده مهندسی شیمی، نفت و گاز (۱۳۸۸-۱۳۹۰)
- مسئول تحصیلات تکمیلی دانشکده مهندسی شیمی، نفت و گاز (۱۳۸۹-۱۳۹۰)
- مدیر دفتر همکاری‌های علمی و بین‌المللی دانشگاه (۱۳۸۹-۱۳۹۱)
- مسئول راه‌اندازی دانشکده مهندسی نفت پردیس علوم و فناوری‌های نوین دانشگاه (۱۳۹۰-۱۳۹۴)
- عضو شورای سیاستگذاری پردیس دانشگاه (بین‌الملل دانشگاه سمنان) (۱۳۹۱-)
- مسئول کمیته برنامه‌ریزی و سیاستگذاری بزرگداشت چهلمین سال تاسیس دانشگاه سمنان (۱۳۹۱)
- رئیس دانشکده فنی و مهندسی دانشگاه ملایر (۱۳۸۵-۱۳۸۷)
- معاون پژوهشی مجتمع آموزش عالی ملایر (۱۳۸۴ به مدت یک سال)
- معاون اداری و مالی مجتمع آموزش عالی ملایر (۱۳۸۰-۱۳۸۲)

زمینه‌های تحقیقاتی:

- فرایندهای جداسازی
- پدیده‌های سطحی
- خواص ترمودینامیکی سیالات مخزن
- ازدیاد برداشت نفت
- سیالات حفاری
- جریان سیالات در محیط‌های متخلخل

عناوین مورد تدریس:

- ترمودینامیک مهندسی شیمی ۱
- ترمودینامیک مهندسی شیمی ۲
- شیمی فیزیک مهندسی
- مقدمات مهندسی نفت
- محاسبات مهندسی پالایش نفت
- روش‌های اندازه‌گیری
- ترمودینامیک پیشرفته

- روش‌های خاص جداسازی
- پدیده‌های سطحی

اختراعات ثبت شده:

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- Zarei, Gh., Nasiri, M., Maleki, A., Heydari, A., Mohajerani, H., Synthesis of Engelhard titanosilicate-10 polyacrylonitrile composite nanofibers by electrospinning method and Ion exchange mechanism for the adsorption of heavy metals, *Iranian Industrial Property General Office*, Patent No. 86930, **2015** Oct.18.
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- Khodapanah, E., Naderi, M.M, Tabatabaei Nezhad, A., Nasiri, M., Haddadi, A., Investigation the effect of retention time on the permeability of compressed sand retainer at Asmari reservoir temperature and pressure, *Iranian Industrial Property General Office*, Patent No. 81511, **2013** Oct. 25.

- Ashrafizadeh, S. N., Nasiri, M., Design of formulation of synthetic-based drilling fluids for drilling oil and gas wells in the offshore drilling and high-temperature conditions, *Iranian Industrial Property General Office*, Patent No. 38702676, **2008** May 5.

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- Nasiri, M., Abbaszadeh, M., (2015). Wettability, 1st Ed. Semnan: *Semnan University Press*.

طرح‌های پژوهشی:

- Separation of carcinogenic compounds, especially nitrate ions from drinking water using membrane processes, **2014**.

مقالات منتشر شده:

الف- مقالات چاپ شده در ژورنال‌های خارجی و ISI:

- Abhari, P., Abdi, S., Nasiri, M., (2022). Effect of various types of anions and anionic surfactants on the performance of micellar-enhanced ultrafiltration process in the removal of Pb (II) ions: an optimization with the response surface methodology. *Chemical Engineering Research and Design*, 187, 332-346.
- Abdi, S., Nasiri, M., Van der Bruggen, B., (2022). Selective Separation of Gold and Palladium Using the Improved Gemini Micellar-Enhanced Ultrafiltration. *Chemical Engineering Journal*, 136570.
- Shahrabadi, A., Babakhani Dehkordi, P., Razavirad, F., Noorimotlagh, R., & Nasiri Zarandi, M. (2022). Enhanced Oil Recovery from a Carbonate Reservoir During Low

Salinity Water Flooding: Spontaneous Imbibition and Core-Flood Methods. *Natural Resources Research*, 1-21.

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ب- مقالات علمی پژوهشی:

- Yarahmadi, A., Nasiri Zarandi, M., Khani, M. H., & Yadollahi, A., (2021). Kinetic, Equilibrium and Thermodynamic Studies of Cerium and Lanthanum Adsorption from Aqueous Solutions by Amberlit XAD-7 ion exchange resin impregnated with bis (2, 4, 4-trimethylpentyl) phosphinic acid extractant. *Journal of Separation Science and Engineering*, 13(1), 94-107.
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- Ghazvehi, M., Nasiri, M., Mallah, M. H., Safdari, J., (2021). Investigating the Effect of Nanoparticle and Surfactant on the Mass Transfer Coefficient in the Pulsed Packed Column. *Journal of Modeling in Engineering*.
- Ghazvehi, M., Nasiri, M., Mallah, M. H., & Safdari, J., (2021). Determining Effective Parameters on Hydrodynamic Characteristics of Pulsed Packed Column Using ANOVA Method: Determining Optimum Conditions with Maximum Extraction Efficiency. *Journal of Heat and Mass Transfer Research*.
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- Abdi, S., Nasiri, M., Khani, M. H., (2015). Equilibrium and kinetic studies of thorium removal from aqueous solutions using polyaniline composite, *Journal of Applied Chemistry*, 9(33), 65-78.
- Karambeigi, M. S., Haghghi Asl, A., & Nasiri, M., (2014). The effect of oilfield chemicals on the surface tension of surfactant systems. *Journal of Petroleum Science and Technology*, 4(2), 56-66.
- Peyvandi, M., Haghghi Asl, A., Nasiri, M., (2012). Removal of Copper Ions from Wastewater through Membrane Filtration Methods, *Journal of Applied Chemistry*, 7(24), 99-109.
- Ashrafizadeh, S. N., Nasiri, M., (2007). Ester-Based Drilling Fluids Effective at High Temperature, *Progress in Oilfield Chemistry*, 7, 37-58.

ج- مقالات علمی ترویجی:

- Nasiri, M., Abdi, S., (2015). Introduce a New Equation to Predict Amount of Adsorption, *Iranian Chemical Engineering Journal*, 14(80), 14-21.
- Nasiri, M., Ashrafizadeh, S. N., (2009). Extraction of Starch from Potato and its Application in the Water-Based Drilling, *Iranian Chemical Engineering Journal*, 8(39).

د- مقالات ارائه شده در کنفرانسها و همایشها:

- Abdi, S., Nasiri, M., (2022). Separation of Gold from Aqueous Solutions Using Micellar-Enhanced Ultrafiltration Process, *8th International Conference on Chemical and Petroleum Engineering*.
- Abdi, S., Mohit Sekeravani, H.R., Nasiri, M., (2022). Review on the types of functionalized adsorbents for the adsorption of heavy metals and adsorbent classification, *8th International Conference on Chemical and Petroleum Engineering*.

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- Shojaei, S., Nasiri, M., (2022). Review on the effect of surfactants on the enhanced oil recovery in the porous media, *8th International Conference on Chemical and Petroleum Engineering*.
- Bahoo, S., Nasiri, M., Keramati, N., (2021). Optimization of clinoptilolite modification with sodium hydroxide for selective adsorption of lead from solution, *2nd International Conference on Nanotechnology & Nanoscience*.
- Amini Jahromi, S., Nasiri, M., (2021). A review on the application of polymeric micelles as carriers in drug delivery systems, *2nd International Conference on Nanotechnology & Nanoscience*.
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- Yarahmadi, A., Nasiri, M., Khani, M.H., (2020). Investigation of the adsorption of cerium and lanthanum from aqueous solutions using Dowex50wx-8 ion exchange resin, *3rd International Conference on Technology Development in Oil, Gas, Refining and Petrochemicals*.
- Yarahmadi, A., Nasiri, M., Khani, M.H., Yadollahi, A., (2020). Investigation of the adsorption process of cerium and lanthanum from aqueous solutions using Amberlite Xad-7 ion exchange resin, *3rd International Conference on Technology Development in Oil, Gas, Refining and Petrochemicals*.
- Jokar, M., Nasiri, M., Shahsavani, B., Rizai, M., (2020). Investigation of parameters affecting zeta potential, *3rd Biennial Oil, Gas, and Petrochemical Conference (OGPC2020)*.
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- Abhari, P., Nasiri, M., (2019). Investigation of the Electrolyte Effect on Lead Removal from Wastewaters by Using Micellar-Enhanced Ultrafiltration Process, *26th Iranian Conference of Analytical Chemistry*.
- Ghasemi, Z., Nasiri, M., (2019). Investigation the Effect of Different Carriers and Contact Time on Arsenic Removal by Emulsion Liquid Membrane, *26th Iranian Conference of Analytical Chemistry*.
- Abdi, S., Nasiri, M., Rahmati, M., (2018). Molecular dynamics simulation of the penetration of water molecules through polyethersulfone/polyvinylpyrrolidone membranes, *5th International Conference on Applied Research in Chemistry and Chemical Engineering Focusing on Local Technologies*.
- Abhari, P., Abdi, S., Nasiri, M., (2018). Review on the parameters affecting the micellar-enhanced ultrafiltration process in the removal of heavy metals and organic pollutants, *2nd International Conference on Modern Technologies in Sciences*.
- Panouran, T., Nasiri, M., (2018). The effect of different electrolytes on the micelle formation mechanism of sodium dodecyl sulfate (SDS) and hexadecyl trimethyl ammonium bromide (CTAB) surfactants and calculation of their surface parameters, *2nd National Conference of Major Infrastructure of Electrical Engineering, Energy and Nanotechnology*.
- Nayer Abadi, A., Nasiri, M., (2018). The kinetic study of Lead Ions removal in the MEUF process, *International Congress of Chemistry and Nanochemicals from Research to Technology*.
- Abdi, S., Azhdari, R., Nasiri, M., (2017). Investigation of the effect of addition of aluminum fumarate nanoparticles with metal-organic framework on the properties of polyethersulfone ultrafiltration membranes, *5th International Conference on Chemistry, Chemical Engineering & Nanotechnology*.
- Abdi, S., Nasiri, M., (2017). Recycle and Reuse of Discarded Reverse Osmosis Membrane, *3rd International Conference on Research in Chemistry and Chemical Engineering*.
- Sadeghi, N., Nasiri, M., Masihi, M., Ganjeh Ghazvini, M., (2016). The effect of heterogeneity in the simulation of enhanced oil recovery processes using dynamic networks in the realization of percolation, *3rd International Conference on Oil, Gas, Refining & Petrochemical With Focus Relationship Between Government, University and Industry*.

- Pashaei, H., Nasiri, M., Ghaemi, A., (2016). Application of iron, alumina and magnesium nano oxides in the removal of heavy metals from industrial effluents, *4th National Conference on Nanotechnology from Theory to Application*.
- Pashaei, H., Nasiri, M., Ghaemi, A., (2016). Review on the effect of nanoparticles in amine solutions on the carbon dioxide absorption, *4th National Conference on Nanotechnology from Theory to Application*.
- Nasiri, M., Soltani, A.H., (2016). Separation of Lead ions from wastewater by emulsion liquid membrane, *3rd International Conference on Recent Innovations in Chemistry and Chemical Engineering*.
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- Nasiri, M., Ghazvehi, M., (2015). Investigation the effect of ultrasonic waves on the increasing efficiency in the oil extraction, *15th Iranian National Congress of Chemical Engineering*.
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- Karambeigi, M.S., Nasiri, M., Haghighi Asl, A., (2014). Compatibility of oilfield chemicals with surfactant systems, *Chemical Engineering Congress and Exhibition*.
- Ghazvehi, M., Nasiri, M., (2014). Improving the yield of soybean oil extraction process by using of microwave system, *Chemical Engineering Congress and Exhibition*.
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