



## Gholamhossein Sodeifian

Professor

College: Faculty of Engineering

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### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	31

### Papers in Conferences

1. ارمین روشن قیاس، غلامحسین صدیفیان، تهیه فرمولاسیون و ساخت خمیر پلیمری تفلون و نانومواد، مخصوص ۱۵ ۱۱ ۲۰۲۳، گرگان، ۱ - همایش ملی پلیمر ایران، ۱۵ ۱۱ ۲۰۲۳ .
2. فریبا رزمی منش، غلامحسین صدیفیان، طراحی و تولید نانوحامل های توکوزومی برای بارگذاری داروی ضدسرطان سورافنیب توسیلات، بیست و دومین کنگره ملی و دهمین کنگره بین المللی زیست شناسی ایران، ۷۵ - شهرکرد، ۲۰۲۲، ۸ ۳۱ .
3. فریبا رزمی منش، غلامحسین صدیفیان، طراحی و تولید نانوحامل های توکوزومی برای بارگذاری داروی ضدسرطان سورافنیب توسیلات، بیست و دومین کنگره ملی و دهمین کنگره بین المللی زیست شناسی ایران، ۷۵ - شهرکرد، ۲۰۲۲، ۸ ۳۱ .
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6. غلامحسین صدیفیان، امیرمحمد طیب زاده، بررسی و مطالعه چالش ها و راهکارهای فناوری سنتز و تولید اسفنج های پلیمری توسط سیال های فوق بحرانی، دومین کنفرانس بین المللی کاربرد مواد و ساخت پیشرفته در صنایع، ۱ - تهران، ۲۰۲۲، ۲۰ ۰۷ .
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8. Amir mohammad Tabibzadeh, Comparison of essential oil of *Perovskia abrotanoides* Karel. obtained from hydro-distillation and supercritical carbon dioxide extraction methods, پنجمین همایش ملی گیاهان، 12 10 2023، 1 - تربیت حیدریه، 2023 .
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10. Amir mohammad Tabibzadeh, مریم ارباب نوش آبادی، Ciprofloxacin drug solubility in supercritical carbon dioxide and thermodynamics modelling, 10th Edition of Global Conference on Pharmaceutics

and Drug Delivery Systems" (PDDS 2023), 45 - Valencia, 2023 09 14 .

11. Armin Roshanghias, و نانو آلومینا بر عملکرد آب (PVB) علی اصغر جاویدپور, سارا تراشی, اثر پلی وینیل بوتیرال, بندی خمیر درزگیر بر پایه پلی تترا فلوئورواتیلن, دومین کنفرانس بین المللی کاربرد مواد و ساخت پیشرفته در صنایع, 1 - تهران, 20 07 2022, .

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3. GHAMMASHIN, CHIEH, MING HSIEH, ZADEH, DETERMINATION OF GEFITINIB HYDROCHLORIDE ANTI-CANCER DRUG SOLUBILITY IN SUPERCRITICAL CO<sub>2</sub>: EVALUATION OF sPC-SAFT EoS AND SEMI-EMPIRICAL MODELS, *Journal of the Taiwan Institute of Chemical Engineers*, Vol. 161, pp. 1, 2024 08 15, JCR.
4. GHAMMASHIN, CHIEH, MING HSIEH, ZADEH, MICRO AND NANOSIZING OF TAMBUSOLIN DRUG VIA SUPERCRITICAL CO<sub>2</sub> ANTISOLVENT (SAS) PROCESS, *Journal of CO<sub>2</sub> Utilization*, Vol. 84, pp. 1, 2024 06 25, SCOPUS, JCR.
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12. GHAMMASHIN, CHIEH, MING HSIEH, ZADEH, MOHAMMADREZA BERGOSTAN, MERIAM ARAB, NOOSH ABADI, FARRIYA RAZMI, STUDIES ON SOLUBILITY MEASUREMENT OF CODEINE PHOSPHATE (PAIN RELIEVER DRUG) IN SUPERCRITICAL CARBON DIOXIDE AND MODELING, *Scientific Reports*, Vol. 13, pp. 1, 2023 11 29, JCR.
13. GHAMMASHIN, CHIEH, MING HSIEH, ZADEH, MOHAMMADREZA BERGOSTAN, MERIAM ARAB, NOOSH ABADI, FARRIYA RAZMI, SOLUBILITY MEASUREMENT OF TRIAMCINOLONE ACETONIDE (STEROID MEDICATION) IN SUPERCRITICAL CO<sub>2</sub>: EXPERIMENTAL AND THERMODYNAMIC MODELING, *Journal of Supercritical Fluids*, Vol. 204, pp. 1, 2023 11 24, JCR.
14. GHAMMASHIN, CHIEH, MING HSIEH, ZADEH, MOHAMMADREZA BERGOSTAN, A MACHINE LEARNING APPROACH FOR THERMODYNAMIC MODELING OF THE STATICALLY MEASURED SOLUBILITY OF NILOTINIB HYDROCHLORIDE MONOHYDRATE (ANTI-CANCER DRUG) IN SUPERCRITICAL CO<sub>2</sub>, *Scientific Reports*, Vol. 13, pp. 1, 2023 08 09, JCR.

15. A machine learning approach for thermodynamic modeling of the statically measured solubility of nilotinib hydrochloride monohydrate (anti-cancer drug) in supercritical CO<sub>2</sub>, Scientific Reports, Vol. 13, pp. 1, 2023 08 09, JCR.
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17. Experimental solubility of fexofenadine hydrochloride (antihistamine) drug in SC-CO<sub>2</sub>: Evaluation of cubic equations of state, Journal of Supercritical Fluids, Vol. 200, pp. 1, 2023 05 29, JCR.
18. مریم ارباب نوش آبادی, فریبا رزمی منش, امیرمحمد طیب, Chandrasekhar Garlapati, غلامحسین صدیقیان, Solubility measurement and modeling of hydroxychloroquine sulfate (antimalarial medication) in supercritical carbon dioxide, Scientific Reports, Vol. 13, pp. 1, 2023 05 19, JCR.
19. مریم ارباب نوش آبادی, فریبا رزمی منش, امیرمحمد طیب, Chandrasekhar Garlapati, غلامحسین صدیقیان, Solubility measurement and modeling of hydroxychloroquine sulfate (antimalarial medication) in supercritical carbon dioxide, Scientific Reports, Vol. 13, pp. 1, 2023 05 19, JCR.
20. Solubility, Extraction, and Nanoparticles Production in Supercritical Carbon Dioxide: A Mini-Review, ChemBioEng Reviews, Vol. 10, pp. 1, 2023 04 01, SCOPUS, JCR.
21. محمدامین ابادیان, غلامحسین صدیقیان, فریبا رزمی منش, سمانه زارعی محمودآبادی, Experimental measurement and thermodynamic modeling of solubility of Riluzole drug (neuroprotective agent) in supercritical carbon dioxide, FLUID PHASE EQUILIBRIA, Vol. 567, pp. 1, 2023 04 01, SCOPUS, JCR.
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24. مریم ارباب نوش, Hsu, Chen Wang, امیرمحمد طیب, Chieh, Ming Hsieh, غلامحسین صدیقیان, Solubility of palbociclib in supercritical carbon dioxide from experimental measurement and Peng-Robinson equation of state, Scientific Reports, Vol. 13, pp. 1, 2023 02 07, JCR.
25. Experimental measurement and thermodynamic modeling of solubility of Riluzole drug (neuroprotective agent) in supercritical carbon dioxide, FLUID PHASE EQUILIBR, Vol. 567, pp. 1, 2022 12 20, JCR.
26. Solubility, Extraction, and Nanoparticles Production in Supercritical Carbon Dioxide: A Mini-Review, ChemBioEng Reviews, Vol. 10, pp. 133, 2022 12 07, JCR.
27. Solubility, Extraction, and Nanoparticles Production in Supercritical Carbon Dioxide: A Mini-Review, ChemBioEng Reviews, Vol. 10, pp. 133, 2022 12 07, JCR.
28. Determination of the solubility of rivaroxaban (anticoagulant drug, for the treatment and prevention of blood clotting) in supercritical carbon dioxide: Experimental data and correlations, Arabian Journal of Chemistry, Vol. 15, pp. 1, 2022 11 16, SCOPUS, JCR.
29. Determination of the solubility of rivaroxaban (anticoagulant drug, for the treatment and prevention of blood clotting) in supercritical carbon dioxide: Experimental data and correlations, Arabian Journal of Chemistry, Vol. 15, pp. 1, 2022 11 16, SCOPUS, JCR.
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- and modeling of metoclopramide hydrochloride (anti-emetic drug) solubility in supercritical carbon dioxide, *Arabian Journal of Chemistry*, Vol. 15, pp. 1, 2022 04 01, SCOPUS, JCR.
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51. غلامحسین صدیفیان, Ratna Surya Alwi, فریبا رزمی منش, Solubility of Pholcodine (antitussive drug) in supercritical carbon dioxide: Experimental data and thermodynamic modeling, *FLUID PHASE EQUILIBRIA*, Vol. 556, pp. 1, 2022 01 15, SCOPUS, JCR.
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