



نام و نام خانوادگی	زینب صالحی
مرتبه علمی	استادیار
آدرس محل کار	---
تلفن	---
فکس	---
پست الکترونیک	zsalehy@ut.ac.ir
آدرس وب سایت	---

تحصیلات

- (1) دکتری، 1389، مهندسی شیمی-بیوتکنولوژی، دانشگاه صنعتی امیرکبیر
- (2) کارشناسی، 1374، مهندسی شیمی، دانشگاه تهران
- (3) دکتری، 1391، دکترای مهندسی، دانشگاه نوبو
- (4) کارشناسی ارشد، 1382، مهندسی شیمی- بیوتکنولوژی، دانشگاه صنعتی امیرکبیر

مقالات چاپ شده در نشریات بین المللی

1) Zeinab Salehi, Morteza Sohrabi, Farzaneh Vahabzadeh, Shohreh Fatemi, and Yoshinori Kawase. "Modeling of p - nitrophenol biodegradation by *Ralstonia eutropha* via application of the substrate inhibition concept." JOURNAL OF HAZARDOUS MATERIALS 177, no. 1-3 (2009): 582-585.

2) Atefe Ahmad Beigi, Shohreh Fatemi, and Zeinab Salehi. "Synthesis of nanocomposite CdS/TiO₂ and investigation of its photocatalytic activity for CO₂ reduction to CO and CH₄ under visible light irradiation." Journal of CO₂ Utilization 7, no. - (2014): 23-29.

3) , Zeinab Salehi, and Yoshito Miyata. "Mechanisms for removal of p-nitrophenol from aqueous solution." JOURNAL OF ENVIRONMENTAL MANAGEMENT 152, no. 1 (2015): 183.

4) Mohammad Ali Sherfat, Zeinab Salehi, and Shohreh Fatemi. "Kinetic study of acetaldehyde conversion to ethanol by free and CNT-immobilized baker's yeast in a gas-phase packed bed reactor." JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 30, no. 30 (2015): .

5) Shima Javadi, Omid Tavakoli, Mehdi Mohammadzadeh Akhlaghi, Zeinab Salehi, Fatemeh Narengi, and Sepideh Shahrirpanah. "Efficient photocatalytic degradation of organic pollutants by magnetically recoverable nitrogen-doped TiO₂ nanocomposite photocatalysts under visible light irradiation." Environmental Science and Pollution Research 1, no. 1 (2015): .

6) Mahboubeh Jafarkhani, Zeinab Salehi, and Mohammad Pourjafar chelikdani. "An overview on the experimental and mathematical modelings of angiogenesis and vasculogenesis." Biointerface Research in Applied Chemistry vol 6, no. issue 3 (2016): .

7) Zeinab Salehi, Hamid Haghighat, Abbasali Khodadadi, and Rasool Rahiminiya. "Thiol and urea functionalized magnetic nanoparticles with highly enhanced loading capacity and thermal stability for lipase in transesterification." JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 35, no. 35 (2016): .

8) امیر ادیب زاده, 2016, 6, no. 6 (2016) RSC Advances, "Enhancement of lipase activity for the oily wastewater treatment by an electrostimulation process." RSC Advances 6, no. 6 (2016) : (Masoud Rezaei, and Zeinab Salehi. "Enhancement

9) Saeed Shadmani, Zeinab Salehi, Hamid Doosthosseini, and Seyed Shamsodin Mohajerzadeh. "Folate Functionalized Silicon Nanowires with Highly Enhanced Adhesion to Cancer Cells." CANADIAN JOURNAL OF CHEMICAL ENGINEERING 9999, no. 9999 (2017): .

10) Bahareh Kianpour, Zeinab Salehi, and Shohreh Fatemi. "Highly Enhanced Loading Quality of Curcumin onto Carboxylated Folate Graphene Oxide." SCIENTIA IRANICA 25, no. 3 (2018): 1384-1394.

11) Mahboubeh Jafarkhani, Zeinab Salehi, Reza Kowsari-esfahan, Mohammad Ali Shokrgozar, M. Rezaa Mohammadi, Jayakumar Rajadasc, and Masoud Mozafari. "Strategies for directing cells into building functional hearts and parts." Biomaterials Science 6, no. 7 (2018): .

12) Pejman Ghelich, Zeinab Salehi, Seyed Shamsodin Mohajerzadeh, and Mahbubeh Jafarkhani. "Experimental and Numerical Study on A Novel Microfluidic Method to Fabricate Curcumin Loaded Calcium Alginate Microfibres." CANADIAN JOURNAL OF CHEMICAL ENGINEERING 96, no. November (2018): .

13) Mahboubeh Jafarkhani, Zeinab Salehi, , and Shohreh Mashayekhan. "An optimized procedure to develop a 3□dimensional microfluidic hydrogel with parallel transport networks." International Journal for Numerical Methods in Biomedical Engineering 35, no. 1 (2019): .

14) Mahboubeh Jafarkhani, Zeinab Salehi, Zahra Bagheri, Zahra Aayanifard, Hamid Doosthosseini, and Ali Rezvan. "Graphene functionalized decellularized scaffold promotes skin cell proliferation." CANADIAN JOURNAL OF CHEMICAL ENGINEERING 98, no. 1 (2019): .

15) Zeinab Salehi, Ali Rasouli, and Hamid Doosthosseini. "p-nitrophenol degradation kinetics and mass transfer study by Ralstonia eutropha as a whole cell biocatalyst." POLYCYCLIC AROMATIC COMPOUNDS in press, no. in press (2019): in press.

16) Mahsa Esmaeilzadeh, Samahe Sadjadi, and Zeinab Salehi. "Pd immobilized on hybrid of magnetic graphene quantum dots and cyclodextrin decorated chitosan: An efficient hydrogenation catalyst." International Journal of Biological Macromolecules 150, no. 150 (2020): .

17) Mahbubeh Jafarkhani, Zeinab Salehi, Shohreh Mashayekhan, Reza Kowsari-esfahan, Gorka Orive, Alireza Dolatshahi-Pirouz, Shahin Bonakdar, and Mohammad Ali Shokrgozar. "Induced cell migration based on a bio-active hydrogel sheet combined with a perfused microfluidic system." Biomedical Materials <https://doi.org/10.1088/1748-605X/ab7b90>, no. <https://doi.org/10.1088/1748-605X/ab7b90> (2020): .

18) Mehdi Mosayebi, Zeinab Salehi, Hamid Doosthosseini, Pedram Tishbi, and Yoshinori Kawase . "Amine, thiol, and octyl functionalization of GO-Fe3O4 nanocomposites to enhance immobilization of lipase for transesterification." RENEWABLE ENERGY 154, no. 569-580 (2020): .

19) Tahereh Nematian, Alireza Shakeri, Zeinab Salehi, and Ali Akbar Saboury. "Lipase immobilized on functionalized superparamagnetic few□layer graphene oxide as an efficient nanobiocatalyst for biodiesel production from Chlorella vulgaris bio□oil." Biotechnology for Biofuels doi.org/10.1186/s13068-020-01688-x, no. doi.org/10.1186/s13068-020-01688-x (2020): .

مقالات چاپ شده در نشریات داخلی

1) Mohsen Malekydozzadeh, Parissa Khadiv- Parsi, Shamsali Rezazadeh, Hosein Abolghasemi, Zeinab Salehi, and Qui Lii. "Application of Multistage Steam Distillation Column for Extraction of Essential Oil of Rosemarinus officinalis L.." IRANIAN JOURNAL OF CHEMICAL ENGINEERING 9, no. 4 (2012): 54-64.

2) Zeinab Salehi, Shohreh Fatemi, and Mohammad Vahabi. "Biodegradation Modeling of Nitrophenolic Pollutant in a Slurry Bubble Reactor." Journal of Chemical and Petroleum Engineering 48, no. 2 (2014): 117.

3) Bahareh Kianpour, Akram Ebrahimi, Zeinab Salehi, and Shohreh Fatemi. "Evaluating the Effect of Graphite Source and Operating Conditions on the Synthesis of Graphene Oxide." Journal of Chemical and Petroleum Engineering 50, no. 2 (2017): .

4) Mahboubeh Jafarkhani, Zeinab Salehi, Amir Aidun, and . "Bioprinting in Vascularization Strategies." IRANIAN BIOMEDICAL JOURNAL 23, no. 1 (2019): .

5) Rasoul Rahimnia, Zeinab Salehi, Mehdi Shafiee Ardestani, and Hamid Doost Hosseini. "SPION Conjugated Curcumin Nano-Imaging Probe: Synthesis and Bio-Physical Evaluation." IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH 18, no. 183-197 (2019): .

6) Hamid Doosthosseini, Zeinab Salehi, Mojtaba Rezaei, and Pejman Ghelich. "Optimized Method for Curcumin Separation from Turmeric Oleoresin." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 38, no. 4 (2019): .

7) زینب صالحی. "بررسی ایزومری شدن آنزیمی گلوکز به فروکتوز در یک چت راکتور با جریان گردشی پایین رونده." نشریه مهندسی مکانیک دانشگاه امیرکبیر 64 -د، 64-د (1385): 69.

8) شهره فاطمی و زینب صالحی. "بررسی پارامترهای مؤثر بر راندمان استخراج روغن از دان ههای انگور با روش طراحی آزمایشی شهای آماری." نشریه مهندسی شیمی و نفت دوره 43 صفحه 15 تا 21، شماره 2 (1388): صفحه 15 تا.

.IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION in press. in press (1397): in press
شبنم قنبرزاده، مهسا اسمعیل زاده، زینب صالحی و پژمان قلیچ. "تحلیل آماری و بهینه سازی شرایط عملیاتی تولید آنزیم لیپاز از قارچ رایزوپوس اوریزا."
(9)

همایش‌های بین‌المللی

- 1) , Mohammad Hossein Sarrafzadeh, Mohammad Reza Mehrnia, and Zeinab Salehi. "A comparison between different biological methods of nitrogen removal from wastewater." IChEC2008, Kish Island.
- 2) Zeinab Salehi, , , and Shohreh Fatemi. "Simple Protocol for Adaptation of *Ralstonia Eutropha* toward P-nitrophenol Degradation." World Congress on Engineering and Computer Science 2009, San Francisco.
- 3) Zeinab Salehi, Farzaneh Vahabzadeh, , Faramarz Joodaki, and Shohreh Fatemi. "Study of influential parameters in biodegradation of p-nitrophenol by *Ralstonia eutropha* using Statistical Analysis." International Conference on Advances in Wastewater Treatment and Reuse, Tehran.
- 4) Shohreh Fatemi, , and Zeinab Salehi. "Study of the effective factors in the bakers yeast (*Saccharomyces cerevisiae*-mediated bioreduction system by using ethanol for regeneration of NADH." The 14th Iranian National Chemical Engineering Congress, Tehran.
- 5) Zeinab Salehi, , and . "Effect of Glucose on P-nitrophenol Degradation by *Ralstonia eutropha*." The 8th International Chemical Engineering Congress & Exhibition (IChEC 2014) Kish, Iran, 24-27 February, 2014, Kish.
- 6) Hamid Haghighat, Zeinab Salehi, and Abbasali Khodadadi. "Thiol-Functionalized Superparamagnetic Fe₃O₄ Nanoparticles for Lipase Immobilization." The 8th International Chemical Engineering Congress & Exhibition (IChEC 2014) Kish, Iran, 24-27 February, 2014, Kish.
- 7) Mahyar Kianpour, Zeinab Salehi, Mostafa Ebrahimi, and Shohreh Fatemi. "Evaluation of Graphite Source Influence on Synthesis of Graphene Oxide." 3rd International Conference on Nanotechnology,,.
- 8) Mahdiah Ebrahimi, Zeinab Salehi, Mahyar Kianpour, and Shohreh Fatemi. "Comparison of Two Synthesis Methods for Graphene Oxide: the effect of Operating Conditions." 3rd International Conference on Nanotechnology, İSTANBUL.
- 9) Soma Rahmani, Zeinab Salehi, Taghi Abdollahi, and Seyed Shamsodin Mohajerzadeh. "Folate conjugate of amino-functionalized silicon nanowires." The 9th International Chemical Engineering Congress & Exhibition (IChEC 2015),,.
- 10) , Zeinab Salehi, Jalil Shafaei, and Abbas Roozbehani. "Bioconjugation of curcumin on functionalized magnetic nanoparticles." The 9th International Chemical Engineering Congress & Exhibition (IChEC 2015), Shiraz.
- 11) Sahar Roozbehani, and Zeinab Salehi. "Synthesis of folic acid functionalized mesoporous silica as anticancer drug delivery vehicles." 6th International Congress on Nanoscience & Nanotechnology,,.
- 12) Mahdi Mosayebi, Zeinab Salehi, Abbasali Khodadadi, Pedram Tishbi, and Ashkan Alifam. "Facile synthesis of Graphene Oxide-Fe₃O₄ Nanoparticle Composites." The 5th International Conference on Composites: Characterization, Fabrication and Application,,.
- 13) Mahbubeh Jafarkhani, Zeinab Salehi, and Tahereh Nematian. "Preparation of Graphene Oxide/Chitosan Composite Hydrogel for Nerve tissue Engineering." International Conference of Inter-Islamic network on Nanotechnology(INN),,.
- 14) Narges Ghanbari, Zeinab Salehi, Abbasali Khodadadi, and Yadallah Mortazavi. "Synthesis of Amine-Functionalized Graphene Quantum Dots for Curcumin Delivery to Cancer Cells." Nanotechnology and Nanomedicine,,.
- 15) Mohamad Asadi Tokmedash, Tahereh Nematian, and Zeinab Salehi. "Synthesis of magnetic bentonite Nanohybrid." 12th international Conference on Engineering and Technology, Oslo.

همایش‌های داخلی

- 1) پژمان قربانی، زینب صالحی، محمد عبدالاحد و سیدشمس ا لدین مهاجرزاده. "شبیه سازی نفوذ یون های کلسیم در یک ریزتراشه میکروفلوئیدیک." اولین همایش ملی میکروفلوئیدیک و کاربردهای آن در پزشکی و مهندسی,,.
- 2) حمید دوست حسینی، پژمان حاتمی فر و زینب صالحی. "آماده سازی کمپلکس کورکومین جهت تولید میکروالیاف های بارگذاری شده با دارو به کمک سامانه های میکروفلوئیدیک." اولین همایش ملی میکروفلوئیدیک و کاربردهای آن در پزشکی و مهندسی,,.
- 3) پژمان قربانی، زینب صالحی، محمد عبدالاحد و سیدشمس ا لدین مهاجرزاده. "مروری بر کاربردهای میکروفلوئیدیک در جداسازی و محیط زیست." اولین همایش ملی میکروفلوئیدیک و کاربردهای آن در پزشکی و مهندسی,,.

(1) اصلاح سطح گرافن اکساید به عنوان نانوحامل جهت بارگذاری داروهای ضد سرطان، بهاره کیانیپور، دانشگاه تهران، 1394/10/23

(2) بررسی کاربرد کورکومین متصل شده به نانوذرات مغناطیسی عامل دار شده در فرآیند عکس برداری تشدید شده مغناطیسی، رسول رحیم نیا، دانشگاه تهران، 1394/10/27

(1) سرپرست آزمایشگاه بیوتکنولوژی، 1393/06/09، 1397/10/23، ایران، تهران

(2) عضو شورای آموزشی دانشکده مهندسی شیمی، 1394/04/15، 1397/10/23، ایران، تهران