

Journal Publications

- Mohammad Sadegh Tanabtabzadeh, Vahid Javanbakht, Amir Hossain Golshirazi: *Extraction of Betacyanin and Betaxanthin Pigments from Red Beetroots by Chitosan Extracted from Shrimp Wastes*. Waste and Biomass Valorization 09/2019; 10(3):641-653., DOI:10.1007/s12649-017-0086-8
- Zahra Vaez, Vahid Javanbakht: *Synthesis, characterization and photocatalytic activity of ZSM-5/ZnO nanocomposite modified by Ag nanoparticles for methyl orange degradation*. Journal of Photochemistry and Photobiology A: Chemistry 08/2019; DOI:10.1016/j.jphotochem.2019.112064
- Shohreh Mirzaei, Vahid Javanbakht: *Dye removal from aqueous solution by a novel dual cross-linked biocomposite obtained from mucilage of Plantago Psyllium and eggshell membrane*. International Journal of Biological Macromolecules 05/2019; 134., DOI:10.1016/j.ijbiomac.2019.05.119
- Mohammad Reza Sabouri, Vahid Javanbakht, Davoud Jafarian Ghotbabadi, Mojtaba Mehravar: *Oily wastewater treatment by a magnetic superoleophilic nanocomposite foam*. Process Safety and Environmental Protection 04/2019; 126., DOI:10.1016/j.psep.2019.04.006
- Fatemeh Keyvani, Soraya Rahpeima, Vahid Javanbakht: *Synthesis of EDTA-modified magnetic activated carbon nanocomposite for removal of permanganate from aqueous solutions*. Solid State Sciences 06/2018; 83., DOI:10.1016/j.solidstatesciences.2018.06.007
- Mahsa Bayat, Vahid Javanbakht, Javad Esmaili: *Synthesis of zeolite/nickel ferrite/sodium alginate bionanocomposite via a co-precipitation technique for efficient removal of water-soluble methylene blue dye*. International Journal of Biological Macromolecules 05/2018; 116., DOI:10.1016/j.ijbiomac.2018.05.012
- Maryam Mehrabi, Vahid Javanbakht: *Photocatalytic degradation of cationic and anionic dyes by a novel nanophotocatalyst of TiO₂/ZnTiO₃/α-Fe₂O₃ by ultraviolet light irradiation*. Journal of Materials Science Materials in Electronics 04/2018; 29(4):1-12., DOI:10.1007/s10854-018-9033-0
- Masoud Erfani, Vahid Javanbakht: *Methylene Blue removal from aqueous solution by a biocomposite synthesized from sodium alginate and wastes of oil extraction from almond peanut*. International Journal of Biological Macromolecules 03/2018; 114., DOI:10.1016/j.ijbiomac.2018.03.003
- Fatemeh Aeenjan, Vahid Javanbakht: *Methylene blue removal from aqueous solution by magnetic clinoptilolite/chitosan/EDTA nanocomposite*. Research on Chemical Intermediates 10/2017; 44(2):1-25., DOI:10.1007/s11164-017-3179-x
- Soraya Rahpeima, Vahid Javanbakht, Javad Esmaili: *Synthesis and Characterization of Activated Carbon/Maghemite/Starch Magnetic Bionanocomposite and Its Application for Permanganate Removal from Aqueous Solution*. Journal of Inorganic and Organometallic Polymers and Materials 10/2017; 28(13):1-17., DOI:10.1007/s10904-017-0688-4
- Zahra Sareban, Vahid Javanbakht: *Preparation and characterization of a novel nanocomposite of clinoptilolite/maghemite/chitosan/urea for manganese removal from aqueous solution*. Korean Journal of Chemical Engineering 09/2017; 34(11)., DOI:10.1007/s11814-017-0216-9
- Vahid Javanbakht, Seyyed Mohammad Ghoreishi, Neda Habibi, Mahdi Javanbakht: *Synthesis of zeolite/magnetite nanocomposite and a fast experimental determination of its specific surface area*. Protection

of metals and physical chemistry of surfaces 07/2017; 53(4):693-702.,
DOI:10.1134/S2070205117040086

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Vahid Javanbakht, Seyyed Mohammad Ghoreishi, Neda Habibi: *Schemes for fabrication and characterization of superparamagnetic magnetite nanoparticles via chemical coprecipitation method.* Journal of Chemical and Pharmaceutical Research 06/2016;

Vahid Javanbakht, Seyed Amir Alavi, Hamid Zilouei: *Mechanisms of heavy metal removal using microorganisms as biosorbent.* Water Science & Technology 05/2014; 69(9):1775-1787., DOI:10.2166/wst.2013.718

Vahid Javanbakht, Saied Nouri Khorasani: *Synthesis of Nanozeolite from Clear Solutions and Gels.*

Vahid Javanbakht, Hamid Zilouei, Keikhosro Karimi: *Biosorption of lead from aqueous solution by yeast-like *mucor indicus* biomass.*

Vahid Javanbakht, Hamid Zilouei, Keikhosro Karimi: *Effect of pH on Lead Removal from Aqueous Solution by Fungus *Mucor Indicus*.* 01/2012; 1(1):76-81.

Vahid Javanbakht, Hamid Zilouei, Keikhosro Karimi: *Lead biosorption by different morphologies of fungus *Mucor indicus*.* International Biodeterioration & Biodegradation 03/2011; 65(2)., DOI:10.1016/j.ibiod.2010.11.015

Conference Proceedings

Soraya Rahpeima, Fatemeh Keyvani, Vahid Javanbakht: *Production of activated carbon powder / γ -Fe₂O₃ nanocomposite and its structural and magnetic properties.* International Conference on Researches in Sciences and Engineering, Istanbul; 07/2016

Fatemeh Aeinjan, Zahra Sareban, Vahid Javanbakht: *Synthesis and characterization of magnetic nanocomposites clinoptilolite / Maghemite.* International Conference on Researches in Sciences and Engineering, Istanbul; 07/2016

Amir Hossain Golshirazi, Seyyed Gholamreza Etemad, Vahid Javanbakht: *A numerical simulation of the non-Newtonian blood flow through a curved artery with stenosis.* 6nd International Conferenceon Engineering and Art; 06/2016

Vahid Javanbakht, Hamid Zilouei, Keikhosro Karimi: *Equilibrium and kinetics of adsorption of heavy metals onto *zygomycetes* fungal biomass.* 6nd International Conferenceon Engineering and Art, Sweden; 06/2016

Fatemeh Aeinjan, Zahra Sareban, Vahid Javanbakht: *Simulation of ethyl acetate uptake in supercritical fluid carbon dioxide using a fixed bed of activated carbon*. The International Conference on new Researches in Engineering Sciences; 05/2016

Zahra Sareban, Fatemeh Aeinjan, Vahid Javanbakht: *Mathematical Modeling of toluene Adsorption from aqueous solution by activated carbon fixed bed*. 2nd International Conference in New Research on chemistry & chemical engineering; 05/2016

Vahid Javanbakht, Seyyed Mohammad Ghoreishi, Neda Habibi: *Preparation of magnetic clinoptilolite nanocomposite by co-precipitation and ultrasonic irradiation*. 2nd International Conference in New Research on chemistry & chemical engineering; 05/2016

Hamid Amiri, Vahid Javanbakht, Keikhosro Karimi: *Simulation of fixed-bed reactor for single-step synthesis of dimethyl ether by CuO-ZnO-Al₂O₃/γ-Al₂O₃ catalyst*. 12nd National Congress of Chemical Engineering; 10/2008