

CURRICULUM VITAE (May, 2017)

Prof. Dr. Habibollah Younesi (Mr)

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ACADEMIC QUALIFICATIONS

- Oct. 2001- Feb. 2005: School of Chemical Engineering, Engineering Campus, University of Science Malaysia (USM), *The premier university in Malaysia and one of the top two hundred world's universities*, PhD in Biochemical Engineering, Biotechnology,
Research Title: Biohydrogen and bioethanol production from synthesis gas via fermentation with *Rhodospirillum rubrum* and *Clostridium ljungdahlii*
- 23 Sep. 95-10 May 98: Department of Chemical Engineering, Faculty of Engineering, Azad University of Shahrood, Iran, MSc. in Applied Chemistry by Mixed mode (combined course and research), Full time, First Class Honors
Research Title: Improvement of wet strength of cardboard with urea formaldehyde, coating with PVC and alkyd resins
GPA: 18.05/20 (90.25%)
- 23 Sep. 1991-6 Jul. 1995: Department of Chemistry, Faculty of Sciences, Azad University of Arak, Iran BSc. in Applied Chemistry,
Final Year Research Title: Direct determination of silicon on iron base material by spectrophotometry method
GPA: 13.61/20 (67.05)

WORKING EXPERIENCE

- 21 Mar. 2006- now Department of Environment Sciences, Faculty of Natural resources and Marine Sciences, Tarbiat Modares University, Mazandaran, Noor, Iran
Taught course for MSc. Students: Solid Waste Management
Taught Course for PhD. students: Environmental Biotechnology, Biotechnology of Hazardous Waste Management
- 20 Aug. 1999-10 Feb. 2000: Oil & Gas Company, Ltd, Iran
Piping & Design Engineer,
Attach to Gas Piping Design and Qualification Department.
- 15 Dec. 2002-23 Mar. 2005: Research Assistant, School of Chemical Engineering, Universiti Sains Malaysia
Responsibilities in Tutoring for Bachelor Students: Chemical Engineering Reaction I & II; Biochemistry
Sep. 2002- Mar. 2005
Project on Malaysia Institute Chemical Engineering (MICET);
Bioprocess Engineering

RESEARCH ACHIEVEMENTS (*Honours and Awards*)

- July 2002– July 2005: Silver Medal of the Best Postgraduate Student Award in Universiti Sains Malaysia (USM) (Postgraduate Exhibition 2004)
Graduate Assistance Fellowship Scholar (PhD program) by the Universiti Sains Malaysia
- Aug. 2003-Nov. 2004: Organizing Committee of National Postgraduate Colloquium 2004 (NAPCOL 2004), Editorial board.
- December, 2003: Silver Medal of Invention/Innovation Competition, for the research project, Production of Bio-ethanol from Palm Oil Solid Wastes. EXPO Science & Technology, Sponsored by Ministry of Science and Technology, Kuala Lumpur, 2003
- December, 2003: Academic Award on Research Achievements, Chancellor of Universiti Sains Malaysia, 2003.
- May, 2003: Silver Medal of Invention/Innovation Industrial Design Technology, I.TEX 2003, Competition, for the research project, Production of Clean Fuels from Synthesis Gas Using Bacteria, Kuala Lumpur, 2003.
- March, 2002 Bronze Medal of Invention/Innovation Competition, for the research project, Production of Hydrogen and Ethanol from Low-Value Synthesis Gas Using Biocatalysts. EXPO Science & Technology, Sponsored by Ministry of Science and Technology, Kuala Lumpur, 2002

LANGUAGE SKILLS

Persian: Mother Tongue
English: Fluent

RESEARCH AREA OF INTEREST

Chemicals and Fuels Production from Synthesis gas
Biosorption of Heavy Metal from Wastewater Stream
Color Removal by Nano-Mesoporous Carbon from Walnut, Pistachio Shell and etc.
Air Pollutants Removal via Biotechnology Process
Bio-degradable Sufactants
Bioplastic and biopolymer Production
Solid State fermentation
Wastewater Treatment with Various Type of Bioreactor
Solid Waste Management
VOCs Removal from Air Pollutants
Bio-catalysis
Biochemical Engineering Reaction
Mass Transfer
Chemical Reaction Engineering

LABORATORY INSTRUMENT SKILLS

Gas Chromatograph (GC): High expert
Ultraviolet Spectrophotometer (UV): Expert
Infrared Spectrophotometer (FTIR)
High Performance Liquid Chromatograph (HPLC)
Atomic Absorption Spectrometer (AAS)

SOFTWARE SKILLS

Design of Experiment (DOE)
Microsoft Office (Word, Excel, PowerPoint)
SigmaPlot
AutoCAD
MATLAB
Macromedia Flash
CS ChemOffice

PUBLICATIONS (National Journal)

1. M. Amini, H. Younesi, F. Ghorbani, and A. Daneshi. (2008). Biological removal of heavy metals: cadmium, nickel, lead by *Aspergillus niger*, *Journal of Marine Sciences and Technology*. 3,4:9-21.
2. F. Ghorbani, and H. Younesi, A. Esmaeili sari, S. M. Ghasempouri, M. Amini, and A. Daneshi. (2008). Production of ethanol by *Saccharomyces cerevisiae* from byproduct of sugar industry in a batch fermentation system. *Journal of Environmental Science and Technology*. 11,4:138-147.
3. F. Ghorbani, and H. Younesi. (2008). Biosorption of cadmium(II) Ions by *Saccharomyces cerevisiae* biomass from aqueous solutions. *Water and Wastewater*. 68:33-39.
4. A. Heidari, H. Younesi, and Z. Mehraban. (2010). Removal of Cd(II), Ni(II) and Pb(II) ions in a ternary aqueous solution by chemically modified MCM-41 nano-porous. *Water and wastewater*. 73(1) 25-33M.
5. Hadavifar, H. Younesi, and A. Zinatizadeh. (2010). Application of ozone and granular activated carbon for distillery effluent treatment. *Water and wastewater*. 74(2): 1-9.
6. M. N. Hosseinpour, G. D. Najafpour, H. Younesi and M. Khorrami, (2011). Submerged Culture Studies for Lipase Production by *Aspergillus niger* NCIM 584 on Soya Flour. *Middle-East Journal of Scientific Research*, 7 (3): 362-366.
7. Z. Ghasemi, H. Younesi, and H. Kazemian. (2009). Effect of crystallization time for synthesis of nanosized sodalite zeolite from rice husk ash. *Journal of Engineering Materials*, 2(2): 161-166.
8. Z. Ghasemi, H. Younesi, and H. Kazemian. (2009). Determination of optimal method for extraction of amorphous silica from rice husk as an agricultural waste. *Journal of Engineering Materials*, 2(4): 357-363.
9. N. Birjandi, H. Younesi, N. Bahramifar, M. Hadavifar, (2012). Application of chemical coagulation method for reduction of turbidity and COD of paper-recycling wastewater, *Water and Wastewater*, 22(4): 56-62.
10. L. Ekhiasi, H. Younesi, Z. Mehraban, N Bahramifar. (2013). Synthesis and Application of Chitosan Nanoparticles for Removal of Lead Ions from Aqueous Solutions, *Water and Wastewater*, 24(1): 10-18.
11. M. Amini, H. Younesi, G. Najafpour, A.A. Zinatizadeh-Lorestani, M. Anbia, M.A. Ziaee-Modbooni. (2014). Treatment of Synthetic Wastewater by Aerobic/anaerobic Bioreactor with Granular Sludge Developed for Removal of Nutrients, *Water and Wastewater*, 25(2): 58-67.
12. S.M. Kharrazi, H. Younesi, J. Abedini-Torghabeh. (2015). The Application of Active Sewage Sludge on the Vermicomposting of Agricultural Waste, *Water and Wastewater*, 25(5): 76-85.
13. F. Ghorbani, H. Younesi, Z. Mehraban, M. Sabri-Çelik, A.A. Ghoreishi, M. Anbia. (2016). Removal of Cr(VI) from Aqueous Solutions Using amino-functionalized Nanoporous MCM-41, *Water and Wastewater*, 27(4): 2-14.
14. H. Vatandoust, H. Younesi, Z. Mehraban, A. Heidari. (2017). Modification of MCM-48 Mesoporous Silica for the Removal of Lead and Cadmium Metal Ions from Aqueous Solutions, *Water and Wastewater*, 28(2): 37-46.

PUBLICATIONS (International Journal)

- [1] S. Salamat, H. Younesi, N. Bahramifar, Synthesis of magnetic core-shell Fe₃O₄@TiO₂ nanoparticles from electric arc furnace dust for photocatalytic degradation of steel mill wastewater, *RSC Advances* 7 (2017) 19391-19405.
- [2] S. Salamat, H. Younesi, N. Bahramifar, Synthesis of magnetic core-shell Fe₃O₄@TiO₂ nanoparticles from electric arc furnace dust for photocatalytic degradation of steel mill wastewater, *RSC Advances* 7 (2017) 19391-19405.
- [3] S. Hosseinpour, M. Aghbashlo, M. Tabatabaei, H. Younesi, M. Mehrpooya, S. Ramakrishna, Multi-objective exergy-based optimization of a continuous photobioreactor applied to produce hydrogen using a novel combination of soft computing techniques, *International Journal of Hydrogen Energy* 42 (2017) 8518-8529.
- [4] N. Azizi, G. Najafpour, H. Younesi, Acid pretreatment and enzymatic saccharification of brown seaweed for polyhydroxybutyrate (PHB) production using *Cupriavidus necator*, *International Journal of Biological Macromolecules* 101 (2017) 1029-1040.
- [5] Z. Aliakbari, H. Younesi, A.A. Ghoreyshi, N. Bahramifar, A. Heidari, Production and Characterization of Sewage-Sludge Based Activated Carbons Under Different Post-Activation Conditions, *Waste and Biomass Valorization* (2017) 1-13.
- [6] S. Valizadeh, H. Younesi, N. Bahramifar, Highly mesoporous K₂CO₃ and KOH/activated carbon for SDBS removal from water samples: Batch and fixed-bed column adsorption process, *Environmental Nanotechnology, Monitoring and Management* 6 (2016) 1-13.
- [7] S. Valizadeh, H. Younesi, N. Bahramifar, Highly mesoporous K₂CO₃ and KOH/activated carbon for SDBS removal from water samples: Batch and fixed-bed column adsorption process, *Environmental Nanotechnology, Monitoring & Management* 6 (2016) 1-13.
- [8] S.H. Sadeghi, Z. Hazbavi, H. Younesi, N. Bahramifar, Trade-off between runoff and sediments from treated erosion plots and polyacrylamide and acrylamide residues, *Catena* 142 (2016) 213-220.
- [9] Z. Nowrouzi, B. Mohebby, H. Younesi, Influences of nano-chitosan treatment on certain properties of wood, *Journal of the Indian Academy of Wood Science* 13 (2016) 16-20.
- [10] Z. Nowrouzi, B. Mohebby, H. Younesi, Treatment of fir wood with chitosan and polyethylene glycol, *Journal of Forestry Research* 27 (2016) 959-966.
- [11] F. Niroomand, A. Khosravani, H. Younesi, Fabrication and properties of cellulose-nanochitosan biocomposite film using ionic liquid, *Cellulose* 23 (2016) 1311-1324.
- [12] M. Mohammadi, A.R. Mohamed, G. Najafpour, H. Younesi, M.H. Uzir, *Clostridium ljungdahlii* for production of biofuel from synthesis gas, *Energy Sources, Part A: Recovery, Utilization and Environmental Effects* 38 (2016) 427-434.
- [13] F. Mahdad, H. Younesi, N. Bahramifar, M. Hadavifar, Optimization of Fenton and photo-Fenton-based advanced oxidation processes for post-treatment of composting leachate of municipal solid waste by an activated sludge process, *KSCE Journal of Civil Engineering* 20 (2016) 2177-2188.
- [14] F. Kazemi, H. Younesi, A.A. Ghoreyshi, N. Bahramifar, A. Heidari, Thiol-incorporated activated carbon derived from fir wood sawdust as an efficient adsorbent for the removal of mercury ion: Batch and fixed-bed column studies, *Process Safety and Environmental Protection* 100 (2016) 22-35.
- [15] F. Karbasi, H. Younesi, M. Ardjmand, A. Safe Kordi, S. Yaghmaei, H. Qaderi, Experimental investigation of poly-β-hydroxybutyrate production by *azohydromonas lata*: Kinetics and artificial neural network modeling, *Chemical Engineering Communications* 203 (2016) 224-235.
- [16] S. Hosseinpour, M. Aghbashlo, M. Tabatabaei, H. Younesi, M. Mehrpooya, S. Ramakrishna, Multi-objective exergy-based optimization of a continuous photobioreactor applied to

- produce hydrogen using a novel combination of soft computing techniques, *International Journal of Hydrogen Energy* (2016).
- [17] M. Hadavifar, H. Younesi, A.A. Zinatizadeh, F. Mahdad, Q. Li, Z. Ghasemi, Application of integrated ozone and granular activated carbon for decolorization and chemical oxygen demand reduction of vinasse from alcohol distilleries, *Journal of Environmental Management* 170 (2016) 28-36.
- [18] M. Hadavifar, N. Bahramifar, H. Younesi, M. Rastakhiz, Q. Li, J. Yu, E. Eftekhari, Removal of mercury(II) and cadmium(II) ions from synthetic wastewater by a newly synthesized amino and thiolated multi-walled carbon nanotubes, *Journal of the Taiwan Institute of Chemical Engineers* 67 (2016) 397-405.
- [19] Z. Ghasemi, H. Younesi, A.A. Zinatizadeh, Kinetics and thermodynamics of photocatalytic degradation of organic pollutants in petroleum refinery wastewater over nano-TiO₂ supported on Fe-ZSM-5, *Journal of the Taiwan Institute of Chemical Engineers* 65 (2016) 357-366.
- [20] Z. Ghasemi, H. Younesi, A.A. Zinatizadeh, Preparation, characterization and photocatalytic application of TiO₂/Fe-ZSM-5 nanocomposite for the treatment of petroleum refinery wastewater: Optimization of process parameters by response surface methodology, *Chemosphere* 159 (2016) 552-564.
- [21] Z. Ghasemi, H. Younesi, A.A. Zinatizadeh, Kinetics and thermodynamics of photocatalytic degradation of organic pollutants in petroleum refinery wastewater over nano-TiO₂ supported on Fe-ZSM-5, *Journal of the Taiwan Institute of Chemical Engineers* 65 (2016) 357-366.
- [22] Z. Ghasemi, H. Younesi, A.A. Zinatizadeh, Preparation, characterization and photocatalytic application of TiO₂/Fe-ZSM-5 nanocomposite for the treatment of petroleum refinery wastewater: Optimization of process parameters by response surface methodology, *Chemosphere* 159 (2016) 552-564.
- [23] A. Dadak, M. Aghbashlo, M. Tabatabaei, H. Younesi, G. Najafpour, Exergy-based sustainability assessment of continuous photobiological hydrogen production using anaerobic bacterium *Rhodospirillum rubrum*, *Journal of Cleaner Production* 139 (2016) 157-166.
- [24] A. Dadak, M. Aghbashlo, M. Tabatabaei, G. Najafpour, H. Younesi, Sustainability assessment of photobiological hydrogen production using anaerobic bacteria (*Rhodospirillum rubrum*) via exergy concept: Effect of substrate concentrations, *Environmental Progress and Sustainable Energy* 35 (2016) 1166-1176.
- [25] N. Birjandi, H. Younesi, A.A. Ghoreyshi, M. Rahimnejad, Electricity generation, ethanol fermentation and enhanced glucose degradation in a bio-electro-Fenton system driven by a microbial fuel cell, *Journal of Chemical Technology & Biotechnology* 91 (2016) 1868-1876.
- [26] N. Birjandi, H. Younesi, A.A. Ghoreyshi, M. Rahimnejad, Electricity generation through degradation of organic matters in medicinal herbs wastewater using bio-electro-Fenton system, *Journal of Environmental Management* 180 (2016) 390-400.
- [27] R. Azarbaijani, L.P. Yeganeh, J. Blom, H. Younesi, S.A.S. Fazeli, M. Tabatabaei, G.H. Salekdeh, Comparative genome analysis of *Oceanimonas* sp. GK1, a halotolerant bacterium with considerable xenobiotics degradation potentials, *Annals of Microbiology* 66 (2016) 703-716.
- [28] A. Asadi, A.A. Zinatizadeh, M. Van Loosdrecht, H. Younesi, Nitrogen removal by ANAMMOX and simultaneous nitrification-denitrification (SND) processes in a novel single airlift bioreactor, *RSC Advances* 6 (2016) 74367-74371.
- [29] Z. Alimohammadi, H. Younesi, N. Bahramifar, Batch and Column Adsorption of Reactive Red 198 from Textile Industry Effluent by Microporous Activated Carbon Developed from Walnut Shells, *Waste and Biomass Valorization* 7 (2016) 1255-1270.

- [30] A. Aliasghari, M.R. Khorasgani, S. Vaezifar, F. Rahimi, H. Younesi, M. Khoroushi, Evaluation of antibacterial efficiency of chitosan and chitosan nanoparticles on cariogenic streptococci: An in vitro study, *Iranian Journal of Microbiology* 8 (2016) 93-100.
- [31] M. Aghbashlo, M. Tabatabaei, S.S. Hosseini, H. Younesi, G. Najafpour, Exergy analysis for decision making on operational condition of a continuous photobioreactor for hydrogen production via WGS reaction, *International Journal of Hydrogen Energy* 41 (2016) 2354-2366.
- [32] M. Aghbashlo, M. Tabatabaei, S.S. Hosseini, H. Younesi, G. Najafpour, Performance analysis of a continuous bioreactor for ethanol and acetate synthesis from syngas via *Clostridium ljungdahlii* using exergy concept, *Clean Technologies and Environmental Policy* 18 (2016) 853-865.
- [33] M. Aghbashlo, M. Tabatabaei, A. Dadak, H. Younesi, G. Najafpour, Exergy-based performance analysis of a continuous stirred bioreactor for ethanol and acetate fermentation from syngas via Wood-Ljungdahl pathway, *Chemical Engineering Science* 143 (2016) 36-46.
- [34] M. Aghbashlo, S. Hosseinpour, M. Tabatabaei, H. Younesi, G. Najafpour, On the exergetic optimization of continuous photobiological hydrogen production using hybrid ANFIS-NSGA-II (adaptive neuro-fuzzy inference system-non-dominated sorting genetic algorithm-II), *Energy* 96 (2016) 507-520.
- [35] M. Aghbashlo, S. Hosseinpour, M. Tabatabaei, S.S. Hosseini, G. Najafpour, H. Younesi, An exergetically-sustainable operational condition of a photo-biohydrogen production system optimized using conventional and innovative fuzzy techniques, *Renewable Energy* 94 (2016) 605-618.
- [36] M. Aghbashlo, S. Hosseinpour, M. Tabatabaei, A. Dadak, H. Younesi, G. Najafpour, Multi-objective exergetic optimization of continuous photo-biohydrogen production process using a novel hybrid fuzzy clustering-ranking approach coupled with Radial Basis Function (RBF) neural network, *International Journal of Hydrogen Energy* 41 (2016) 18418-18430.
- [37] M. Khorrami, G.D. Najafpour, H. Younesi, M.N. Hosseinpour, Biodemineralization of shrimp shell via aerobic and anaerobic conditions: Growth kinetic studies, *Environmental Engineering and Management Journal* 14 (2015) 731-736.
- [38] M. Javid, N. Bahramifar, H. Younesi, S.M. Taghavi, R. Givehchi, Dry deposition, seasonal variation and source interpretation of ionic species at Abali, Firouzkouh and Varamin, Tehran Province, Iran, *Atmospheric Research* 157 (2015) 74-90.
- [39] S.S. Hosseini, M. Aghbashlo, M. Tabatabaei, H. Younesi, G. Najafpour, Exergy analysis of biohydrogen production from various carbon sources via anaerobic photosynthetic bacteria (*Rhodospirillum rubrum*), *Energy* 93 (2015) 730-739.
- [40] S.S. Hosseini, M. Aghbashlo, M. Tabatabaei, G. Najafpour, H. Younesi, Thermodynamic evaluation of a photobioreactor for hydrogen production from syngas via a locally isolated *Rhodospseudomonas palustris* PT, *International Journal of Hydrogen Energy* 40 (2015) 14246-14256.
- [41] H. Heydarzadeh, G.D. Najafpour, A. Ghoreishi, H. Younesi, Elimination of hydrogen sulfide from sour gas in CSTR bioreactor using native isolated strain of sulphur oxidizing bacteria, *Pakistan Journal of Biotechnology* 11 (2015) 65-77.
- [42] Z. Hajahmadi, H. Younesi, N. Bahramifar, H. Khakpour, K. Pirzadeh, Multicomponent isotherm for biosorption of Zn(II), CO(II) and Cd(II) from ternary mixture onto pretreated dried *Aspergillus niger* biomass, *Water Resources and Industry* 11 (2015) 71-80.
- [43] E. Daneshvar, M. Kousha, M.S. Sohrabi, B. Panahbehagh, A. Bhatnagar, H. Younesi, S.P.K. Sternberg, Application of response surface methodology for the biosorption of Acid Blue 25 dye using raw and HCl-treated macroalgae, *Desalination and Water Treatment* 53 (2015) 1710-1723.
- [44] M. Bagheri, H. Younesi, S. Hajati, S.M. Borghei, Application of chitosan-citric acid nanoparticles for removal of chromium (VI), *International Journal of Biological Macromolecules* 80 (2015) 431-444.

- [45] A. Shahbazi, H. Younesi, A. Badiei, Functionalized nanostructured silica by tetradentate-amine chelating ligand as efficient heavy metals adsorbent : Applications to industrial effluent treatment, *Korean Journal of Chemical Engineering* 31 (2014) 1598-1607.
- [46] P. Salehi, F.M. Tajabadi, H. Younesi, Y. Dashti, Optimization of lead and nickel biosorption by *Cystoseira trinodis* (brown algae) using response surface methodology, *Clean - Soil, Air, Water* 42 (2014) 243-250.
- [47] S.H.R. Sadeghi, Z. Hazbavi, H. Younesi, Sustainable watershed management through applying appropriate level of soil amendments, *Sustainable Watershed Management - Proceedings of the 2nd International Conference on Sustainable Watershed Management, SUWAMA 2014*, 2014, p. 183-185.
- [48] F. Pakpour, G. Najafpour, M. Tabatabaei, M. Tohidfar, H. Younesi, Biohydrogen production from CO-rich syngas via a locally isolated *Rhodospseudomonas palustris* PT, *Bioprocess and Biosystems Engineering* 37 (2014) 923-930.
- [49] Z. Nowrouzi, B. Mohebby, H. Younesi, Influences of nano-chitosan treatment on physical, mechanical properties and bio resistance of wood, *Journal of the Indian Academy of Wood Science* 11 (2014) 174-181.
- [50] M. Mohammadi, A.R. Mohamed, G.D. Najafpour, H. Younesi, M.H. Uzir, Effect of organic substrate on promoting solventogenesis in ethanologenic acetogene *Clostridium ljungdahlii* ATCC 55383, *International Journal of Engineering, Transactions B: Applications* 27 (2014) 185-194.
- [51] M. Mohammadi, A.R. Mohamed, G.D. Najafpour, H. Younesi, M.H. Uzir, Kinetic studies on fermentative production of biofuel from synthesis gas using *Clostridium ljungdahlii*, *The Scientific World Journal* 2014 (2014).
- [52] S.M. Kharrazi, H. Younesi, J. Abedini-Torghabeh, Heavy metals concentration changes during vermicomposting of organic wastes, *Journal of Environmental Studies* 40 (2014) 199-210.
- [53] S.M. Kharrazi, H. Younesi, J. Abedini-Torghabeh, Microbial biodegradation of waste materials for nutrients enrichment and heavy metals removal: An integrated composting-vermicomposting process, *International Biodeterioration & Biodegradation* 92 (2014) 41-48.
- [54] H. Khakpour, H. Younesi, M. Mohammadhosseini, Two-stage biosorption of selenium from aqueous solution using dried biomass of the baker's yeast *Saccharomyces cerevisiae*, *Journal of Environmental Chemical Engineering* 2 (2014) 532-542.
- [55] A. Heidari, H. Younesi, A. Rashidi, A.A. Ghoreyshi, Evaluation of CO₂ adsorption with eucalyptus wood based activated carbon modified by ammonia solution through heat treatment, *Chemical Engineering Journal* 254 (2014) 503-513.
- [56] A. Heidari, H. Younesi, A. Rashidi, A. Ghoreyshi, Adsorptive removal of CO₂ on highly microporous activated carbons prepared from *Eucalyptus camaldulensis* wood: Effect of chemical activation, *Journal of the Taiwan Institute of Chemical Engineers* 45 (2014) 579-588.
- [57] A. Heidari, H. Younesi, A. Rashidi, A. Ghoreyshi, Adsorptive removal of CO₂ on highly microporous activated carbons prepared from *Eucalyptus camaldulensis* wood: Effect of chemical activation, *Journal of the Taiwan Institute of Chemical Engineers* 45 (2014) 579-588.
- [58] A. Heidari, R. Stahl, H. Younesi, A. Rashidi, N. Troeger, A.A. Ghoreyshi, Effect of process conditions on product yield and composition of fast pyrolysis of *Eucalyptus grandis* in fluidized bed reactor, *Journal of Industrial and Engineering Chemistry* 20 (2014) 2594-2602.
- [59] M. Hadavifar, N. Bahramifar, H. Younesi, Q. Li, Adsorption of mercury ions from synthetic and real wastewater aqueous solution by functionalized multi-walled carbon nanotube with both amino and thiolated groups, *Chemical Engineering Journal* 237 (2014) 217-228.

- [60] M.E. Gatkash, H. Younesi, A. Shahbazi, Nitrate Removal from Aqueous Solution Using Nanoporous MCM-41 Silica Adsorbent Functionalized with Diamine Group, *Water and Wastewater* 25 (2014) 69-76.
- [61] A. Badiei, A. Mirahsani, A. Shahbazi, H. Younesi, M. Alizadeh, Adsorptive removal of toxic dye from aqueous solution and real industrial effluent by tris(2-aminoethyl)amine functionalized nanoporous silica, *Environmental Progress and Sustainable Energy* 33 (2014) 1242-1250.
- [62] G. Zolfaghari, A. Esmaili-Sari, M. Anbia, H. Younesi, M.B. Ghasemian, A zinc oxide-coated nanoporous carbon adsorbent for lead removal from water: Optimization, equilibrium modeling, and kinetics studies, *International Journal of Environmental Science and Technology* 10 (2013) 325-340.
- [63] G. Zolfaghari, A. Esmaili-Sari, M. Anbia, H. Younesi, M. Ghasemian, A zinc oxide-coated nanoporous carbon adsorbent for lead removal from water: Optimization, equilibrium modeling, and kinetics studies, *International Journal of Environmental Science and Technology* 10 (2013) 325-340.
- [64] J. Yousefi, H. Younesi, S.M. Ghasempoury, Co-composting of Municipal Solid Waste with Sawdust: Improving Compost Quality, *Clean - Soil, Air, Water* 41 (2013) 185-194.
- [65] J. Yousefi, H. Younesi, S.M. Ghasempoury, Co-composting of Municipal Solid Waste with Sawdust: Improving Compost Quality, *CLEAN–Soil, Air, Water* 41 (2013) 185-194.
- [66] A. Shahbazi, H. Younesi, A. Badiei, Batch and fixed-bed column adsorption of Cu(II), Pb(II) and Cd(II) from aqueous solution onto functionalised SBA-15 mesoporous silica, *Canadian Journal of Chemical Engineering* 91 (2013) 739-750.
- [67] P. Salehi, F.M. Tajabadi, H. Younesi, Y. Dashti, Optimization of lead and nickel biosorption by *Cystoseira trinodis* (brown algae) using response surface methodology, *CLEAN–Soil, Air, Water* (2013).
- [68] H. Radnia, A.A. Ghoreyshi, H. Younesi, M. Masomi, K. Pirzadeh, Adsorption of Fe(II) from aqueous phase by chitosan: Application of physical models and artificial neural network for prediction of breakthrough, *International Journal of Engineering, Transactions B: Applications* 26 (2013) 845-858.
- [69] H. Radnia, A. Ghoreyshi, H. Younesi, M. Masomi, K. Pirzadeh, Adsorption of fe (II) from aqueous phase by chitosan: Application of physical models and artificial neural network for prediction of breakthrough, *International Journal of Engineering-Transactions B: Applications* 26 (2013) 845.
- [70] F. Pakpour, G. Najafpour, M. Tabatabaei, M. Tohidfar, H. Younesi, Biohydrogen production from CO-rich syngas via a locally isolated *Rhodospseudomonas palustris* PT, *Bioprocess and biosystems engineering* (2013) In Press.
- [71] H. Khakpour, H. Younesi, M. Mohammadhosseini, Two-stage biosorption of selenium from aqueous solution using dried biomass of the baker's yeast *Saccharomyces cerevisiae*, *Journal of Environmental Chemical Engineering* (2013).
- [72] A. Kazemi, H. Younesi, N. Bahramifar, Assessment of the Variations in the Composition of the Leachate Generated in Open Dumps in Three Provinces of the Caspian Sea region, Iran, *Iranian Journal of Toxicology* 7 (2013) 0-0.
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