

کل رزومه

اردیبهشت ۱۳۹۶

دکتر حبیب الله یونسی (استاد)

دانشکده منابع طبیعی و علوم دریایی

دانشگاه تربیت مدرس، مازندران، نور، ایران

تلفن: ۳-۰۱۲۲۶۲۵۳۱۰۱

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تحصیلات دانشگاهی:

- 1384 – 1380: گروه مهندسی شیمی، دانشکده مهندسی، دانشگاه علوم مالزی، دکتری مهندسی شیمی، بیوتکنولوژی، عنوان پایان نامه: تولید سوخت زیستی اتانول و هیدروژن از گاز سنتز شده حاصل از تخمیر Clostridium ljungdahlii و hodospirillum rubrum
- 1379 – 1377: گروه مهندسی شیمی، دانشکده مهندسی، دانشگاه آزاد شاهرود، ایران، عنوان پایان نامه: افزایش مقاومت به رطوبت در مقوا با استفاده از فرمالدهید اوره پوشانده شده با PVC و رزین های آلکید
- 1377 – 1373: گروه مهندسی شیمی، دانشکده علوم، دانشگاه آزاد اراک، ایران، عنوان پایان نامه: تعیین مستقیم سیلیکون روی مواد حاوی آهن با روش اسپکتوفتومتری

تجربیات کاری:

۱. ۱۳۸۵ تا کنون: گروه محیط زیست، دانشکده منابع طبیعی و علوم دریایی، دانشگاه تربیت مدرس، مازندران، نور، ایران
۲. تدریس درس مدیریت مواد زائد در مقطع کارشناسی ارشد محیط زیست.
۳. تدریس درس بیوتکنولوژی محیط زیست در مقطع دکتری محیط زیست.
۴. ۱۳۷۹ – ۱۳۷۸: شرکت نفت و گاز، مهندس طراح، بخش تعیین کیفیت و طراحی لوله های گاز
۵. ۱۳۸۴ – ۱۳۸۲: همکار پژوهشی، دانشکده مهندسی شیمی، دانشگاه مالزی، مسئولیت کلاس حل تمرین دوره
۶. ۱۳۸۴ – ۱۳۸۲: اجرای پروژه در دانشکده مهندسی شیمی مالزی، مهندسی فرآیندهای زیستی

موفقیت های تحقیقاتی (جوایز و مدال ها):

۱. ۱۳۸۱-۱۳۸۴: مدال نقره بهترین فارغ التحصیل کارشناسی ارشد در دانشگاه مالزی، اعطای بورس تحصیلی و دستیار در دوره کارشناسی در دانشگاه مالزی
۲. ۱۳۸۱-۱۳۸۴: کمیته سازماندهی کنفرانس ملی در دانشگاه مالزی، هیئت تحریریه
۳. ۱۳۸۲: مدال نقره مسابقه ابداعات و اختراعات برای پروژه تحقیقاتی تولید اتانول زیستی از زائدات جامد روغن خرما، کوالالامپور
۴. ۱۳۸۲: جایزه انجمن علمی در رابطه با پیشرفت های تحقیقاتی، دانشگاه مالزی
۵. ۱۳۸۲: مدال نقره مسابقه ابداعات و اختراعات تکنولوژی طراحی صنعتی برای پروژه تحقیقاتی تولید سوخت پاک از سنتزهای گازی با استفاده از باکتری، کوالالامپور
۶. ۱۳۸۱: مدال برنز مسابقه ابداعات و اختراعات برای پروژه تحقیقاتی تولید هیدروژن و اتانول از سنتزهای گازی با استفاده از بیوکاتالیست ها، کوالالامپور

مهارت های زبانی:

۱. فارسی: زبان مادری
۲. انگلیسی: عالی

زمینه های تحقیقاتی مورد علاقه:

۱. تولید سوخت ها و مواد شیمیایی از گازهای سنتز شده
۲. جذب فلزات سنگین از جریان فاضلاب های صنعتی
۳. رنگ زدایی با استفاده از نانو ذرات کربن
۴. حذف آلاینده های هوا توسط فرایندهای بیوتکنولوژی
۵. تولید مواد زیستی بیوپلیمر و بیوپلاستیک
۶. تخمیر مواد جامد
۷. تصفیه فاضلاب با انواع رآکتورهای زیستی
۸. مدیریت مواد زائد جامد
۹. حذف ترکیبات آلی فرار از هوای آلوده
۱۰. بیوکاتالیست ها
۱۱. واکنش های مهندسی بیوشیمی

مهارت کار با تجهیزات آزمایشگاهی:

۱. کروماتوگرافی گازی (GC)
۲. اسپکتروفتومتر ماوراء بنفشی (UV)
۳. اسپکتروفتومتر مادون قرمز (FTIR)
۴. کروماتوگرافی مایع (HPLC)
۵. اسپکترومتر جذب اتمی (AAS)

مهارت های نرم افزاری:

1. Design of Experiment (DOE)
2. Microsoft Office (Word, Excel, PowerPoint)
3. SigmaPlot
4. AutoCAD
5. MATLAB
6. Macromedia Flash
7. 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. Ekhlesi, 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. Mohebbi, 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. Mohebbi, 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 *Rhodopseudomonas 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. Badii, 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. Mohebbi, 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.
- [73] 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* (2013).
- [74] A. Heidari, H. Younesi, Z. Mehraban, H. Heikkinen, Selective adsorption of Pb(II), Cd(II), and Ni(II) ions from aqueous solution using chitosan-MAA nanoparticles, *International Journal of Biological Macromolecules* 61 (2013) 251-263.
- [75] A. Heidari, H. Younesi, Z. Mehraban, H. Heikkinen, Selective adsorption of Pb (II), Cd (II), and Ni (II) ions from aqueous solution using chitosan-MAA nanoparticles, *International journal of biological macromolecules* 61 (2013) 251-263.
- [76] 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* (2013).

- [77] F. Ghorbani, H. Younesi, Z. Mehraban, M.S. Çelik, A.A. Ghoreyshi, M. Anbia, Preparation and characterization of highly pure silica from sedge as agricultural waste and its utilization in the synthesis of mesoporous silica MCM-41, *Journal of the Taiwan Institute of Chemical Engineers* (2013).
- [78] F. Ghorbani, H. Younesi, Z. Mehraban, M.S. Celik, A.A. Ghoreyshi, M. Anbia, Aqueous cadmium ions removal by adsorption on APTMS grafted mesoporous silica MCM-41 in batch and fixed bed column processes, *International Journal of Engineering, Transactions B: Applications* 26 (2013) 473-488.
- [79] F. Ghorbani, H. Younesi, The Kinetics of Ethanol Production from Cane Molasses by *Saccharomyces cerevisiae* in a Batch Bioreactor, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 35 (2013) 1073-1083.
- [80] M. Galedar, H. Younesi, Biosorption of ternary cadmium, nickel and cobalt ions from aqueous solution onto *saccharomyces cerevisiae* cells: Batch and column studies, *American Journal of Biochemistry and Biotechnology* 9 (2013) 47-60.
- [81] N. Birjandi, H. Younesi, N. Bahramifar, S. Ghafari, A.A. Zinatizadeh, S. Sethupathi, Optimization of coagulation-flocculation treatment on paper-recycling wastewater: Application of response surface methodology, *Journal of Environmental Science and Health, Part A* 48 (2013) 1573-1582.
- [82] M. Amini, H. Younesi, A.A. Zinatizadeh Lorestani, G. Najafpour, Determination of optimum conditions for dairy wastewater treatment in UAASB reactor for removal of nutrients, *Bioresource Technology* 145 (2013) 71-79.
- [83] M. Amini, H. Younesi, G. Najafpour, A.A.Z. Lorestani, M. Anbia, M.A.Z. Modbooni, Treatment of Synthetic Wastewater by Aerobic-anaerobic Bioreactor with Granular Sludge Developed for Removal of Nutrients, *Water and Wastewater* (2013) In Press.
- [84] M. Amini, H. Younesi, A.A.Z. Lorestani, G. Najafpour, Determination of optimum conditions for dairy wastewater treatment in UAASB reactor for removal of nutrients, *Bioresource technology* (2013).
- [85] M. Amini, H. Younesi, N. Bahramifar, Biosorption of U (VI) from aqueous solution by *Chlorella vulgaris*: Equilibrium, kinetic and thermodynamic studies, *Journal of Environmental Engineering* 139 (2013) 410-421.
- [86] J. Yousefi, H. Younesi, Z. Hajahmadi, Determination of Optimal Temperature for Biosorption of Heavy Metal Mixture from Aqueous Solution by Pretreated Biomass of *Aspergillus niger*, *Water and Wastewater* 22 (2012) 37-42.
- [87] A. Shahbazi, H. Younesi, A. Badii, 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* (2012).
- [88] A. Shahbazi, H. Younesi, A. Badii, Batch and fixed-bed column adsorption of Cu (II), Pb (II) and Cd (II) from aqueous solution onto functionalised SBA-15 mesoporous silica, *The Canadian Journal of Chemical Engineering* (2012).
- [89] S.H.R. Sadeghi, M. Kiani Harchegani, H.A. Younesi, Suspended sediment concentration and particle size distribution, and their relationship with heavy metal content, *Journal of Earth System Science* 121 (2012) 63-71.
- [90] S. Sadeghi, M.K. Harchegani, H. Younesi, Suspended sediment concentration and particle size distribution, and their relationship with heavy metal content, *Journal of earth system science* 121 (2012) 63-71.
- [91] M. Rahimnejad, A.A. Ghoreyshi, G.D. Najafpour, H. Younesi, M. Shakeri, A novel microbial fuel cell stack for continuous production of clean energy, *International Journal of Hydrogen Energy* 37 (2012) 5992-6000.
- [92] M. Rahimnejad, A. Ghoreyshi, G. Najafpour, H. Younesi, M. Shakeri, A novel microbial fuel cell stack for continuous production of clean energy, *International journal of hydrogen energy* 37 (2012) 5992-6000.
- [93] H. Radnia, A.A. Ghoreyshi, H. Younesi, G.D. Najafpour, Adsorption of Fe (II) ions from aqueous phase by chitosan adsorbent: equilibrium, kinetic, and thermodynamic studies, *Desalination and Water Treatment* 50 (2012) 348-359.

- [94] M. Mohammadi, H. Younesi, G. Najafpour, A.R. Mohamed, Sustainable ethanol fermentation from synthesis gas by *Clostridium ljungdahlii* in a continuous stirred tank bioreactor, *Journal of Chemical Technology and Biotechnology* 87 (2012) 837-843.
- [95] M. Khorrami, G. Najafpour, H. Younesi, M. Hosseinpour, Production of chitin and chitosan from shrimp shell in batch culture of *Lactobacillus plantarum*, *Chemical and Biochemical Engineering Quarterly* 26 (2012) 217-223.
- [96] S. Kam, A.A. Kenari, H. Younesi, Production of Single Cell Protein in Stickwater by *Lactobacillus acidophilus* and *Aspergillus niger*, *Journal of Aquatic Food Product Technology* 21 (2012) 403-417.
- [97] M.N. Hosseinpour, G.D. Najafpour, H. Younesi, M. Khorrami, Z. Vaseghi, Lipase production in solid state fermentation using *aspergillus niger*: Response surface methodology, *International Journal of Engineering, Transactions B: Applications* 25 (2012) 151-159.
- [98] M. Hosseinpour, G. Najafpour, H. Younesi, M. Khorrami, Z. Vaseghi, Lipase Production in Solid State Fermentation Using *Aspergillus niger*: Response Surface Methodology, *International Journal of Engineering* 25 (2012) 151-159.
- [99] F. Ghorbani, H. Younesi, Z. Mehraban, M.S. Celik, A. Ghoreyshi, M. Anbia, Aqueous cadmium ions removal by adsorption on aptms grafted mesoporous silica MCM-41 in batch and fixed bed column processes, *International Journal of Engineering-Transactions B: Applications* 26 (2012) 473.
- [100] F. Ghorbani, A.M. Sanati, H. Younesi, A.A. Ghoreyshi, The potential of date-palm leaf ash as low-cost adsorbent for the removal of Pb(II) ion from aqueous solution, *International Journal of Engineering, Transactions B: Applications* 25 (2012) 269-278.
- [101] F. Ghorbani, A. Sanati, H. Younesi, A. Ghoreyshi, The Potential of Date-palm Leaf Ash as Low-cost Adsorbent for the Removal of Pb (II) Ion from Aqueous Solution, *International Journal of Engineering-Transactions B: Applications* 25 (2012) 269.
- [102] Z. Ghasemi, H. Younesi, Preparation of free-template nanometer-sized Na-A and -X zeolites from rice husk ash, *Waste and Biomass Valorization* 3 (2012) 61-74.
- [103] Z. Ghasemi, H. Younesi, Preparation of Free-Template Nanometer-Sized Na-A and-X Zeolites From Rice Husk Ash, *Waste and Biomass Valorization* 3 (2012) 61-74.
- [104] M. Esfahanian, A.H. Ghorbanfarahi, A.A. Ghoreyshi, G. Najafpour, H. Younesi, A.L. Ahmad, Enhanced bioethanol production in batch fermentation by pervaporation using a PDMS membrane bioreactor, *International Journal of Engineering, Transactions B: Applications* 25 (2012) 249-258.
- [105] M. Esfahanian, A. Ghorbanfarahi, A. Ghoreyshi, G. Najafpour, H. Younesi, A. Ahmad, Enhanced Bioethanol Production in Batch Fermentation by Pervaporation Using a PDMS Membrane Bioreactor, *International Journal of Engineering-Transactions B: Applications* 25 (2012) 249.
- [106] S. Ebrahimi, G. Amini, H. Younesi, G.D. Najafpour, Production of Biodiesel Using Soybean Oil Catalyzed by Porcine Pancreas Lipase in a Solvent Free System, *Middle-East Journal of Scientific Research* 11 (2012) 1323-1327.
- [107] N. Birjandi, H. Younesi, N. Bahramifar, M. Hadavifar, Application of Chemical Coagulation Method for Paper-Recycling Wastewater Treatment, *Water and Wastewater* 22 (2012) 56-62.
- [108] M.S. Baei, M.J. Hosseinzadeh, H. Younesi, Whey Processing with Nano Chitosan, *World Applied Sciences Journal* 19 (2012) 530-537.
- [109] M. Amini, H. Younesi, G. Najafpour, A.A. Zinatizadeh-Lorestani, Application of response surface methodology for simultaneous carbon and nitrogen (SND) removal from dairy wastewater in batch systems, *International Journal of Environmental Studies* 69 (2012) 962-986.
- [110] M. Amini, H. Younesi, G. Najafpour, A.A.Z. Lorestani, Use of aerobic/anaerobic system for nutrient removal (C, N, P) in dairy wastewater plant: application of RSM in batch conditions, *New Biotechnology* 29 (2012) S50.
- [111] G. Zolfaghari, A. Esmaili-Sari, H. Younesi, R.R. Baydokhti, M. Anbia, Surface Modification of Ordered Nanoporous Carbons CMK-3 via a Chemical Oxidation Approach and its Application in Removal of Lead Pollution from Water, *Proceedings of International Conference on Environmental Science and Technology (ICEST 2011)* (2011).

- [112] G. Zolfaghari, A. Esmaili-Sari, M. Anbia, H. Younesi, S. Amirmahmoodi, A. Ghafari-Nazari, Taguchi optimization approach for Pb (II) and Hg (II) removal from aqueous solutions using modified mesoporous carbon, *Journal of hazardous materials* 192 (2011) 1046-1055.
- [113] H. Younesi, Z. Ghasemi, Preparation and characterization of nanozeolite NaA from rice husk at room temperature without organic additives, *Journal of Nanomaterials* 2011 (2011).
- [114] M. Sharifzadeh Baei, G.D. Najafpour, H. Younesi, F. Tabandeh, H. Issazadeh, M. Khodabandeh, Growth kinetic parameters and biosynthesis of polyhydroxybutyrate in *Cupriavidus necator* DSMZ 545 on selected substrates, *Chemical Industry and Chemical Engineering Quarterly* 17 (2011) 1-8.
- [115] A. Shahbazi, H. Younesi, A. Badiei, F. SBA, Functionalized SBA-15 mesoporous silica by melamine-based dendrimer amines for adsorptive characteristics of Pb (II), Cu (II) and Cd (II) heavy metal ions in batch and fixed bed column, *Chemical Engineering Journal* 168 (2011) 505-518.
- [116] A. Shahbazi, H. Younesi, A. Badiei, Functionalized SBA-15 mesoporous silica by melamine-based dendrimer amines for adsorptive characteristics of Pb(II), Cu(II) and Cd(II) heavy metal ions in batch and fixed bed column, *Chemical Engineering Journal* 168 (2011) 505-518.
- [117] H. Radnia, A.A. Ghoreyshi, H. Younesi, Isotherm and Kinetics of Fe (II) Adsorption onto Chitosan in a Batch Process, *Iranica Journal of Energy & Environment* 2 (2011) 250-257.
- [118] M. Mohammadi, G.D. Najafpour, H. Younesi, P. Lahijani, M.H. Uzir, A.R. Mohamed, Bioconversion of synthesis gas to second generation biofuels: A review, *Renewable and Sustainable Energy Reviews* 15 (2011) 4255-4273.
- [119] F. Karbasi, M. Ardjmand, H. Younesi, A. Safe Kordi, S. Yaghmaei, Investigation of optimum fermentation condition for PHA production by four species: *Hydrogenophaga pseudoflava* DSMZ 1034, *azohydromonas lata* DSMZ 1123, *cupriavidus necator* DSMZ 545, *Azotobacter beijinckii* DSMZ 1041, *World Applied Sciences Journal* 14 (2011) 36-47.
- [120] M. Hosseinpour, G. Najafpour, H. Younesi, M. Khorrami, Submerged culture studies for lipase production by *Aspergillus niger* NCIM 584 on soya flour, *Middle East J. Sc. Res* 7 (2011) 362-366.
- [121] F. Ghorbani, H. Younesi, A. Esmaeili Sari, G. Najafpour, Cane molasses fermentation for continuous ethanol production in an immobilized cells reactor by *Saccharomyces cerevisiae*, *Renewable Energy* 36 (2011) 503-509.
- [122] F. Ghorbani, H. Younesi, A. Esmaeili Sari, G. Najafpour, Cane molasses fermentation for continuous ethanol production in an immobilized cells reactor by *Saccharomyces cerevisiae*, *Renewable Energy* 36 (2011) 503-509.
- [123] Z. Ghasemi, H. Younesi, H. Kazemian, Synthesis of nanozeolite sodalite from rice husk ash without organic additives, *The Canadian Journal of Chemical Engineering* 89 (2011) 601-608.
- [124] Z. Ghasemi, H. Younesi, Preparation and characterization of nanozeolite NaA from rice husk at room temperature without organic additives, *Journal of Nanomaterials* 2011 (2011) 50.
- [125] M. Fereidouni, H. Younesi, A. Daneshi, M. Sharifzadeh, The effect of carbon source supplementation on the production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by *Cupriavidus necator*, *Biotechnology and Applied Biochemistry* 58 (2011) 203-211.
- [126] M. Fereidouni, H. Younesi, A. Daneshi, M. Sharifzadeh, The effect of carbon source supplementation on the production of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) by *Cupriavidus necator*, *Biotechnology and applied biochemistry* 58 (2011) 203-211.
- [127] S. Bebekam, A. Abedian, H. Younesi, Production of single cell protein from stickwater of kilka fish meal factory using *Lactobacillus acidophilus* and *Aspergillus niger*, *Iranian Scientific Fisheries Journal* 19 (2011) 21-32.
- [128] S. Bayat, A.E. Sari, N. Bahramifar, H. Younesi, R.D. Behrooz, Survey of organochlorine pesticides and polychlorinated biphenyls in commercial pasteurized milk in Iran, *Environmental monitoring and assessment* 175 (2011) 469-474.
- [129] S. Bayat, A. Esmaili Sari, N. Bahramifar, H. Younesi, R. Dahmarde Behrooz, Survey of organochlorine pesticides and polychlorinated biphenyls in commercial pasteurized milk in Iran, *Environmental Monitoring and Assessment* 175 (2011) 469-474.
- [130] S.M. Baei, G. Najafpour, H. Younesi, F. Tabandeh, H. Issazadeh, M. Khodabandeh, Growth kinetic parameters and biosynthesis of polyhydroxybutyrate in *Cupriavidus necator* DSMZ 545

- on selected substrates, *Chemical Industry and Chemical Engineering Quarterly/CICEQ* 17 (2011) 1-8.
- [131] A.A.L. Zinatizadeh, M. Pirsaeheb, H. Bonakdari, H. Younesi, Response surface analysis of effects of hydraulic retention time and influent feed concentration on performance of an UASFF bioreactor, *Waste Management* 30 (2010) 1798-1807.
- [132] A. Zinatizadeh, M. Pirsaeheb, H. Bonakdari, H. Younesi, Response surface analysis of effects of hydraulic retention time and influent feed concentration on performance of an UASFF bioreactor, *Waste management* 30 (2010) 1798-1807.
- [133] H.S. Nasrollahzadeh, G.D. Najafpour, M. Pazouki, H. Younesi, A.A. Zinatizadeh, Biodegradation of phenanthrene in an anaerobic batch reactor: Growth kinetics, *Chemical Industry and Chemical Engineering Quarterly* 16 (2010) 157-165.
- [134] H. Nasrollahzadeh, G. Najafpour, M. Pazouki, H. Younesi, A. Zinatizadeh, M. Mohammadi, Biodegradation of phenanthrene in an anaerobic batch reactor: Growth kinetics, *Chemical Industry and Chemical Engineering Quarterly/CICEQ* 16 (2010) 157-165.
- [135] M. Khorrami, G. Najafpour, H. Younesi, G. Amini, Growth Kinetics and Demineralization of Shrimp Shell Using *Lactobacillus plantarum* PTCC 1058 on Various Carbon Sources, *Iranica Journal of Energy and Environment (IJEE)* 1 (2010) 132-136.
- [136] A. Heydari, H. Younesi, Z. Mehraban, Removal of Cd (II), Ni (II), and Pb (II) ions in an aqueous solution by chemically modified nanoporous MCM-41, *Water and Wastewater* (2010).
- [137] M. Hadavifar, A.A. Zinatizadeh, H. Younesi, M. Galehdar, Fenton and photo-Fenton treatment of distillery effluent and optimization of treatment conditions with response surface methodology, *Asia-Pacific Journal of Chemical Engineering* 5 (2010) 454-464.
- [138] M. Hadavifar, A.A. Zinatizadeh, H. Younesi, M. Galehdar, Fenton and photo-Fenton treatment of distillery effluent and optimization of treatment conditions with response surface methodology, *Asia-Pacific Journal of Chemical Engineering* 5 (2010) 454-464.
- [139] A. Daneshi, H. Younesi, S.M. Ghasempouri, M. Sharifzadeh, Production of poly-3-hydroxybutyrate by *Cupriavidus necator* from corn syrup: statistical modeling and optimization of biomass yield and volumetric productivity, *Journal of Chemical Technology and Biotechnology* 85 (2010) 1528-1539.
- [140] M.S. Baei, G. Najafpour, Z. Lasemi, F. Tabandeh, H. Younesi, H. Issazadeh, M. Khodabandeh, Optimization PHAs production from dairy industry wastewater (cheese whey) by *Azohydromonas lata* DSMZ 1123, *Iranica Journal of Energy and Environment* 1 (2010) 132-136.
- [141] M. Amini, H. Younesi, N. Brahamifar, Characterization and Optimization of Uranium Adsorption using *Chlorella vulgaris*: A Tool in Management of Dangerous Effluents, *Journal of Biotechnology* 150 (2010) 553-554.
- [142] A.A.L. Zinatizadeh, H. Younesi, H. Bonakdari, M. Pirsaeheb, M. Pazouki, G.D. Najafpour, M. Hasnain Isa, Effects of process factors on biological activity of granular sludge grown in an UASFF bioreactor, *Renewable Energy* 34 (2009) 1245-1251.
- [143] A. Zinatizadeh, H. Younesi, H. Bonakdari, M. Pirsaeheb, M. Pazouki, G. Najafpour, M. Hasnain Isa, Effects of process factors on biological activity of granular sludge grown in an UASFF bioreactor, *Renewable Energy* 34 (2009) 1245-1251.
- [144] A. Heidari, H. Younesi, A.A.L. Zinatizadeh, Controllable synthesis of flower-like ZnO nanostructure with hydrothermal method, *International Journal of Engineering, Transactions B: Applications* 22 (2009) 283-290.
- [145] A. Heidari, H. Younesi, A. Zinatizadeh, Controllable synthesis of flower-like zno nanostructure with hydrothermal method (research note), *International Journal of Engineering-Transactions B: Applications* 22 (2009) 283.
- [146] A. Heidari, H. Younesi, Z. Mehraban, Removal of Ni (II), Cd (II), and Pb (II) from a ternary aqueous solution by amino functionalized mesoporous and nano mesoporous silica, *Chemical Engineering Journal* 153 (2009) 70-79.
- [147] M. Hadavifar, H. Younesi, A. Zinatizadeh, Application of ozone and granular activated carbon for distillery effluent treatment, *J. of Water Wastewater* 74 (2009) 10-18.

- [148] M. Galehdar, H. Younesi, M. Hadavifar, A.A. Zinatizadeh, Optimization of a photo-assisted Fenton oxidation process: A statistical model for MDF effluent treatment, *Clean - Soil, Air, Water* 37 (2009) 629-637.
- [149] M. Galehdar, H. Younesi, M. Hadavifar, A.A. Zinatizadeh, Optimization of a Photo-assisted Fenton Oxidation Process: A Statistical Model for MDF Effluent Treatment, *CLEAN–Soil, Air, Water* 37 (2009) 629-637.
- [150] M. Fereidouni, A. Daneshi, H. Younesi, Biosorption equilibria of binary Cd (II) and Ni (II) systems onto *Saccharomyces cerevisiae* and *Ralstonia eutropha* cells: Application of response surface methodology, *Journal of Hazardous Materials* 168 (2009) 1437-1448.
- [151] M.S. Baei, G. Najafpour, H. Younesi, F. Tabandeh, H. Eisazadeh, Poly (3-hydroxybutyrate) synthesis by *Cupriavidus necator* DSMZ 545 utilizing various carbon sources, *World Applied Science Journal* 7 (2009) 157-161.
- [152] M. Amini, H. Younesi, N. Bahramifar, Statistical modeling and optimization of the cadmium biosorption process in an aqueous solution using *Aspergillus niger*, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 337 (2009) 67-73.
- [153] M. Amini, H. Younesi, N. Bahramifar, Biosorption of nickel (II) from aqueous solution by *Aspergillus niger*: Response surface methodology and isotherm study, *Chemosphere* 75 (2009) 1483-1491.
- [154] M. Amini, H. Younesi, Biosorption of Cd (II), Ni (II) and Pb (II) from aqueous solution by dried biomass of *Aspergillus niger*: application of response surface methodology to the optimization of process parameters, *CLEAN–Soil, Air, Water* 37 (2009) 776-786.
- [155] H. Younesi, G. Najafpour, K.S. Ku Ismail, A.R. Mohamed, A.H. Kamaruddin, Biohydrogen production in a continuous stirred tank bioreactor from synthesis gas by anaerobic photosynthetic bacterium: *Rhodospirillum rubrum*, *Bioresource technology* 99 (2008) 2612-2619.
- [156] M. Sharifzadeh Baei, M. Mahmoudi, H. Younesi, A kinetic model for citric acid production from apple pomace by *Aspergillus niger*, *African Journal of Biotechnology* 7 (2008) 3487-3489.
- [157] K.S.K. Ismail, G. Najafpour, H. Younesi, A.R. Mohamed, A.H. Kamaruddin, Biological hydrogen production from CO: Bioreactor performance, *Biochemical Engineering Journal* 39 (2008) 468-477.
- [158] F. Ghorbani, H. Younesi, S.M. Ghasempouri, A.A. Zinatizadeh, M. Amini, A. Daneshi, Application of response surface methodology for optimization of cadmium biosorption in an aqueous solution by *Saccharomyces cerevisiae*, *Chemical Engineering Journal* 145 (2008) 267-275.
- [159] F. Ghorbani, H. Younesi, Biosorption of cadmium (II) ions by *Saccharomyces Cerevisiae* biomass from aqueous solutions, *J. of Water and Wastewater* 68 (2008) 33-39.
- [160] A. Daneshi, H. Younesi, M. Ghasempouri, M. Sharifzadeh, Production of biodegradable biopolymer, poly-3-hydroxybutyrate, from corn syrup by *Ralstonia eutropha*: Effect of nitrogen source, *Journal of Biotechnology* 136 (2008) S424.
- [161] M. Amini, H. Younesi, N. Bahramifar, A.A.Z. Lorestani, F. Ghorbani, A. Daneshi, M. Sharifzadeh, Application of response surface methodology for optimization of lead biosorption in an aqueous solution by *Aspergillus niger*, *Journal of hazardous materials* 154 (2008) 694-702.
- [162] A. Abedian, S. Kam, H. Younesi, J. Seyfabadi, Preliminary study for production of single cell protein from stickwater by *Lactobacillus acidophilus*, *Journal of Biotechnology* 136 (2008) S598.
- [163] G.D. Najafpour, H. Younesi, Bioconversion of synthesis gas to hydrogen using a light-dependent photosynthetic bacterium, *Rhodospirillum rubrum*, *World Journal of Microbiology and Biotechnology* 23 (2007) 275-284.
- [164] G. Najafpour, H. Younesi, Bioconversion of synthesis gas to hydrogen using a light-dependent photosynthetic bacterium, *Rhodospirillum rubrum*, *World Journal of Microbiology and Biotechnology* 23 (2007) 275-284.
- [165] H. Younesi, G. Najafpour, A.R. Mohamed, Liquid fuel production from synthesis gas via fermentation process in a continuous tank bioreactor (CSTBR) using *Clostridium ljungdahlii*, *Iranian Journal Biotechnology* 4 (2006) 45-53.

- [166] G. Najafpour, H. Younesi, A.R. Mohamed, A survey on various carbon sources for biological hydrogen production via the water-gas reaction using a photosynthetic bacterium (*Rhodospirillum rubrum*), *Energy Sources, Part A* 28 (2006) 1013-1026.
- [167] G. Najafpour, H. Younesi, Ethanol and acetate synthesis from waste gas using batch culture of *Clostridium ljungdahlii*, *Enzyme and microbial technology* 38 (2006) 223-228.
- [168] H. Younesi, G. Najafpour, A.R. Mohamed, Ethanol and acetate production from synthesis gas via fermentation processes using anaerobic bacterium, *Clostridium ljungdahlii*, *Biochemical Engineering Journal* 27 (2005) 110-119.
- [169] G.D. Najafpour, H. Younesi, A. Mohamed, A. Harun, Hydrogen evolution from synthesis gas using photosynthetic bacterium, *Rhodospirillum rubrum*, on various acetate concentration, *International Journal of Engineering Science* 16 (2005) 1-8.
- [170] G.D. Najafpour, H. Younesi, Dynamic model for production of biohydrogen via water-gas shift reaction, *International Journal of Engineering, Transactions B: Applications* 18 (2005) 145-152.
- [171] G. Najafpour, H. Younesi, K.S.K. Ismail, A.R. Mohamed, A.H. Kamaruddin, Photobiological hydrogen production from synthesis gas: Carbon sources, K_L and kinetics evaluation, *Developments in Chemical Engineering and Mineral Processing* 13 (2005) 549-562.
- [172] G. Najafpour, H. Younesi, K. Ismail, A. Mohamed, A. Kamaruddin, Photobiological hydrogen production from synthesis gas: carbon sources, K_L and kinetics evaluation, *Developments in Chemical Engineering and Mineral Processing* 13 (2005) 549-562.
- [173] G. Najafpour, H. Younesi, Hydrogen Production from Synthesis Gas Using the Photosynthetic Bacterium *Rhodospirillum rubrum*, *ASEAN Journal of Chemical Engineering* 5 (2005) 35-44.
- [174] G. Najafpour, H. Younesi, Bioconversion of Waste Gases into Biofuel via Fermentation in a Continuous Stirred Tank Bioreactor, *Malaysian Journal of Microbiology* 1 (2005) 123-117.
- [175] G. Najafpour, H. Younesi, Research note dynamic model for production of biohydrogen via water-gas shift reaction, *International Journal of Engineering* 18 (2005) 145.
- [176] G. Najafpour, H.A. Yieng, H. Younesi, A. Zinatizadeh, Effect of organic loading on performance of rotating biological contactors using palm oil mill effluents, *Process Biochemistry* 40 (2005) 2879-2884.
- [177] G. Najafpour, K.S.K. Ismail, H. Younesi, A.R. Mohamed, A.H. Kamaruddin, Hydrogen as clean fuel via continuous fermentation by anaerobic photosynthetic bacteria, *Rhodospirillum rubrum*, *African Journal of Biotechnology* 3 (2005) 503-507.
- [178] A. Heidari, H. Younesi, A. Zinatizadeh, Controllable synthesis of flower-like ZnO nanostructure with hydrothermal method, *International Journal of Engineering* 18 (2005) 145-152.
- [179] G.D. Najafpour, H. younesi, L. wai, Saponification of palm oil and development of amphoteric transparent soap, *International Journal of Engineering Science* 15 (2004) 83-90.
- [180] G. Najafpour, H. Younesi, K. Syahidah Ku Ismail, Ethanol fermentation in an immobilized cell reactor using *Saccharomyces cerevisiae*, *Bioresource Technology* 92 (2004) 251-260.
- [181] G. Najafpour, H. Younesi, A.R. Mohamed, Effect of organic substrate on hydrogen production from synthesis gas using *Rhodospirillum rubrum*, in batch culture, *Biochemical engineering journal* 21 (2004) 123-130.
- [182] G. Najafpour, H. Younesi, K.S. Ku Ismail, Ethanol fermentation in an immobilized cell reactor using *Saccharomyces cerevisiae*, *Bioresource Technology* 92 (2004) 251-260.
- [183] G. Najafpour, K.S.K. Ismail, H. Younesi, A.R. Mohamed, A.H. Kamaruddin, Performance of biological hydrogen production process from synthesis gas, mass transfer in batch and continuous bioreactors, *International Journal of Engineering, Transactions B: Applications* 17 (2004) 105-120.
- [184] G. Najafpour, K.S.K. Ismail, H. Younesi, A.R. Mohamed, A.H. Kamaruddin, Hydrogen as clean fuel via continuous fermentation by anaerobic photosynthetic bacteria, *Rhodospirillum rubrum*, *African Journal of Biotechnology* 3 (2004) 503-507.
- [185] G. Najafpour, K.S.K. Ismail, H. Younesi, A. Mohamed, A. Harun, Performance of biological hydrogen production process from synthesis gas, mass transfer in batch and continuous bioreactors, *International Journal of Engineering Transactions B* 17 (2004) 105-120.

- [186] G. Najafpour, H. Younesi, A. Mohamed, Continuous hydrogen production via fermentation of synthesis gas, *Petroleum and Coal* 45 (2003) 154-158.
- [187] G. Najafpour, H. Younesi, A.R. Mohamad, A.H. Kamaruddin, Bioconversion of synthesis gas to ethanol in a CSTR, (2003).
- [188] G. Najafpour, H. Younesi, Effect of culture's initial pH on hydrogen production from synthesis gas using *Rhodospirillum rubrum*, *Journal of the Polish Mineral Engineering Society* 4 (2003) 29-40.
- [189] A. Shahbazi, H. Younesi, A. Badiei, Synthesis of organic-inorganic hybrid amine based on nanostructured silicate materials and its application for removal of heavy metal ions from aqueous solution.
- [190] L. Ekhlesi, H. Younesi, Z. Mehraban, N. Bahramifar, Synthesis and Application of Chitosan Nanoparticles for Removal of Lead Ions from Aqueous Solutions.

PUBLICATION (National Conferences)

- ۱- فرشید قربانی، حبیب اله یونسی، عباس اسماعیلی ساری، سید محمود قاسمپوری، ملیحه امینی، علی دانشی؛ ۱۳۸۶، تولید اتانول از ملاس نیشکر توسط *Saccharomyces cerevisiae* به صورت نا پیوسته، نخستین همایش ملی میکروبیولوژی ایران، تهران، ایران.
- ۲- ملیحه امینی، حبیب اله یونسی، سید محمود قاسمپوری، نادر بهرامی فر، فرشید قربانی، علی دانشی؛ ۱۳۸۶، حذف فلز کادمیوم از فاضلاب کارخانه های صنعتی با استفاده از قارچ *Aspergillus niger*، نخستین همایش ملی میکروبیولوژی ایران، تهران، ایران.
- ۳- ملیحه امینی، حبیب اله یونسی، نادر بهرامی فر، فرشید قربانی، علی دانشی؛ ۱۳۸۶، تعیین شرایط بهینه حذف بیولوژیکی فلز نیکل از فاضلاب صنایع، برنامه ریزی و مدیریت سیستم های محیط زیست، تهران، ایران.
- ۴- علی دانشی، حبیب اله یونسی، ملیحه امینی، فرشید قربانی، سید محمود قاسمپوری، محمد فریدونی؛ ۱۳۸۶، تولید پلیمر poly(3-hydroxyalkanoate) از شربت ذرت با استفاده از باکتری *Wautersia eutropha*، دومین همایش منطقه ای یافته های کشاورزی و منابع طبیعی (غرب کشور)، سنندج، ایران.
- ۵- قاسم نجف پور، مصطفی قاسمی، حبیب اله یونسی، مصطفی رحیم نژاد؛ ۱۳۸۷، جذب بیولوژیکی فلز سمی سرب با لاکتوباسیلوس بولگاری کوس، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۶- مصطفی قاسمی، قاسم نجف پور، حبیب اله یونسی، مصطفی رحیم نژاد؛ ۱۳۸۷، بیولوژیکی آب پنیر به اسید لاکتیک، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۷- مجتبی هادویفر، مانده گله دار، حبیب اله یونسی؛ ۱۳۸۷، Application of Fenton method for MDF wastewater, treatment and water recovery to process in Caspian costal اولین کنفرانس بین المللی تغییرات زیست محیطی منطقه خزری، بابلسر، ایران.
- ۸- اقدی حیدری، حبیب اله یونسی، زهرا مهربان، علی اکبر زینتی زاده؛ ۱۳۸۷، A New Method Based on Matrix- Assisted, 2nd International Congress on Nanoscience and Nanotechnology, for Synthesis of ZnO Nanoparticles تبریز، ایران.
- ۹- زهرا قاسمی، حبیب اله یونسی؛ ۱۳۸۷، ZSM-5 as a nanozeolite synthesized from rice husk, 2nd International Congress on Nanoscience and Nanotechnology, تبریز، ایران.
- ۱۰- فرشید قربانی، حبیب اله یونسی، عباس اسماعیلی ساری، ملیحه امینی، علی دانشی؛ ۱۳۸۷، تولید سوخت زیست محیطی (اتانول) از پسماند کارخانه های قند (ملاس) در راکتور زیستی تثبیت سلولی (ICR)، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۱۱- ملیحه امینی، حبیب اله یونسی، نادر بهرامی فر، علی دانشی، فرشید قربانی؛ ۱۳۸۷، بررسی ظرفیت قارچ *Aspergillus niger* برای جداسازی یون های سرب از محلول های آبی، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۱۲- فرشید قربانی، حبیب اله یونسی، سید محمود قاسمپوری، ملیحه امینی؛ ۱۳۸۷، حذف یونهای کادمیوم (Cd^{2+}) از پساب های صنعتی توسط مخمر *Saccharomyces cerevisiae* با استفاده از تکنولوژی جذب زیستی، دومین همایش تخصصی مهندسی محیط زیست، تهران، ایران.

- ۱۳- ملیحه امینی، حبیب اله یونسی، فرشید قربانی، علی دانشی؛ ۱۳۸۷، حذف بیولوژیک فلزات سنگین کادمیم، نیکل و سرب در مخلوط سه تایی از فاضلاب کارخانه با استفاده از قارچ *Aspergillus niger*، دومین همایش تخصصی مهندسی محیط زیست، تهران، ایران.
- ۱۴- حبیب اله یونسی، مانده گله دار، مجتبی هادویفر؛ Biosorption of cadmium, nickel and cobalt by *Saccharomyces cerevisiae* yeast from aqueous solution، 2nd International Student Conference of Biotechnology، تهران، ایران.
- ۱۵- مانده گله دار، مجتبی هادویفر، حبیب اله یونسی؛ ۱۳۸۷، Removal COD of MDF wastewater treatment with Fenton method by RSM approach، International Conference on Advances in Wastewater First، تهران، ایران.
- ۱۶- مانده گله دار، مجتبی هادوی فر، حبیب اله یونسی، محمد فریدونی، حسن ملوندی؛ ۱۳۸۷، کاربرد روش Fenton جهت تصفیه فاضلاب صنایع تولید MDF، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۱۷- محمد فریدونی، حبیب اله یونسی؛ ۱۳۸۷، نقش میکروارگانیزم ها در کاهش آلایندگی های زیست محیطی: استفاده از میکروارگانیزم *Cupriavidus necator* در تولید کوپلیمر هیدروکسی بوتیریت، یازدهمین همایش ملی بهداشت محیط، زاهدان، ایران.
- ۱۸- قاسم نجف پور، مصطفی قاسمی، حبیب اله یونسی، مصطفی رحیم نژاد؛ ۱۳۸۷، Influence of yeast extract concentration on lactic acid production from whey in batch reactor، دوازدهمین کنفرانس ملی مهندسی شیمی ایران، تهران، ایران.
- ۱۹- زهرا قاسمی، حبیب اله یونسی؛ ۱۳۸۷، روشهای مختلف سنتز نانوزئولیت ZSM-5 بعنوان جاذب رنگ از پساب و گاز NO از هوا، دومین همایش تخصصی مهندسی محیط زیست، تهران، ایران.
- ۲۰- مجتبی هادویفر، مانده گله دار، حبیب اله یونسی، علی اکبر زینتی زاده؛ ۱۳۸۷، COD removal from distillery wastewater using Fenton method by RSM approach in batch study، سومین کنفرانس مدیریت منابع آب ایران، تبریز، ایران.
- ۲۱- مجتبی هادویفر، مانده گله دار، حبیب اله یونسی، علی اکبر زینتی زاده، حسن ملوندی؛ ۱۳۸۷، کاهش COD پساب صنعت الکل سازی از ملاس چغندر قند با استفاده از واکنشگرهای Fenton، دومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۲۲- محمد فریدونی، حبیب اله یونسی، علی دانشی؛ Biosynthesis of PHB-co-PHV with mixed carbon sources by *Cabriavidus necator* 454، The 2nd International Student Conference of Biotechnology، تهران، ایران.
- ۲۳- زهرا قاسمی، حبیب اله یونسی، حسین کاظمیان؛ ۱۳۸۸، سنتز نانو زئولیت سودولایت از پوسته برنج بدون استفاده از ماده طاق ساز، پنجمین همایش دانشجویی فناوری نانو، تهران، ایران.
- ۲۴- حبیب اله یونسی، زهرا قاسمی، حسین کاظمیان؛ ۱۳۸۸، کاربرد پوسته برنج به عنوان یک پسماند کشاورزی برای تولید نانو زئولیت، دومین همایش ملی کاربرد نانوتکنولوژی در کشاورزی، کرج، ایران.
- ۲۵- حبیب اله یونسی، نوشین بیرجندی، نادر بهرامی فر، مجتبی هادویفر؛ ۱۳۸۸، Investigation treatment of paper recycling wastewater by coagulation in laboratory، سومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۲۶- حبیب اله یونسی، جواد یوسفی؛ ۱۳۸۸، اثر درجه حرارت در جذب زیستی کبالت، کادمیم و روی از محلول آبی توسط قارچ *Aspergillus niger*، ششمین همایش ملی بیوتکنولوژی جمهوری اسلامی ایران، تهران، ایران.
- ۲۷- حبیب اله یونسی، زهرا قاسمی، حسین کاظمیان؛ ۱۳۸۸، استفاده از پوسته برنج برای سنتز نانو زئولیت NaX بدون استفاده از ماده طاق ساز، اولین همایش سراسری نقش علوم پایه در فناوری نانو، تهران، ایران.
- ۲۸- حبیب اله یونسی، اقدس حیدری، زهرا مهربان، ۱۳۸۸، حذف فلزات سنگین کادمیم، نیکل، سرب در مخلوط سه تایی محلول های آبی با استفاده از جاذب NH₂-MCM-41، سومین همایش و نمایشگاه تخصصی مهندسی محیط زیست، تهران، ایران.
- ۲۹- حبیب اله یونسی، زهرا قاسمی، ایمان سوری نژاد؛ ۱۳۸۸، کاربرد نانو زئولیت ها در جذب آلایندگی های آلی فرار (VOC) از پسابهای صنعتی، سومین همایش و نمایشگاه تخصصی مهندسی محیط زیست، تهران، ایران.

- ۳۰- حبیب اله یونسی، نوشین بیرجندی، نادر بهرامی فر، مجتبی هادویفر؛ ۱۳۸۸، بررسی مقایسه ای تصفیه پساب صنعت بازیافت کاغذ با استفاده از منعقد کننده های آلوم و پلی آلومینیوم کلراید، سومین همایش و نمایشگاه تخصصی مهندسی محیط زیست، تهران، ایران.
- ۳۱- حبیب اله یونسی، جواد یوسفی، ۱۳۸۸، کمپوست سازی همزمان پسماند شهری و خاک اره: بهینه سازی نسبت C/N، سومین همایش و نمایشگاه تخصصی مهندسی محیط زیست، تهران، ایران.
- ۳۲- حبیب اله یونسی، مازیار شریف زاده، فاطمه تابنده، قاسم نجف پور، حسین عیسی زاده، ۲۰۰۹، Optimization PHBs International .production from dairy industry waste water (cheese whey) by *Azohydromonas lata* DSMZ Conference on plants & Environmental Pollutions، تهران، ایران.
- ۳۳- حبیب اله یونسی، مازیار شریف زاده، فاطمه تابنده، قاسم نجف پور، حسین عیسی زاده، ۲۰۰۹، Process optimization for International Conference on plants & PHAs production by *Azotobacter beijerinckii* from molasses Environmental Pollutions، تهران، ایران.
- ۳۴- حبیب اله یونسی، مازیار شریف زاده، فاطمه تابنده، قاسم نجف پور، حسین عیسی زاده، م خداینده، ۲۰۰۹، Optimization Structure, Function .PHAs production by *Cupriavidus nector* from molasses and acetate as substrate and Metabolism of Biomolecules (Abstract، تهران، ایران.
- ۳۵- حبیب اله یونسی، محمد فریدونی، ۱۳۸۷، حذف یونهای نیکل و کادمیوم از محیط های آبی توسط مخمر *Sycharomyces cerevisiae* با استفاده تکنولوژی جذب زیستی، روز جهانی محیط زیست، تهران، ایران.
- ۳۶- حبیب اله یونسی، مازیار شریف زاده، فاطمه تابنده، قاسم نجف پور، حسین عیسی زاده، ۲۰۰۹، Optimization PHAs First International .production from dairy industry wastewater (cheese whey) by *Cupriavidus necator* Conference on "Advances in Wastewater Treatment، تهران، ایران.
- ۳۷- حبیب اله یونسی، عبدالمحمد عابدیان کناری، صفر بی بی کم؛ ۱۳۸۷، تولید پروتئین با استفاده از کشت قارچ *Aspergillus niger* بر روی ضایعات کارخانه پودر ماهی، نخستین همایش منطقه ای شیلات، سواد کوه، ایران.
- ۳۸- حبیب اله یونسی، جواد یوسفی، محمود قاسمپوری، ۱۳۸۸، تاثیر کمپوست حاصل از پسماند شهری بر کیفیت خاک های کشاورزی، سومین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.
- ۳۹- حبیب اله یونسی، لیلا اخلاصی، اسماعیل پوینده بلداجی؛ ۱۳۸۹، ارزیابی تغییر کاربری رودخانه دوآب صمصامی در منطقه کوهرنگ در استان چهارمحال و بختیاری، ششمین همایش ملی مهندسی آبخیزداری و چهارمین همایش ملی فرسایش و رسوب، نور ایران.
- ۴۰- حبیب اله یونسی، لیلا اخلاصی، ۱۳۸۹، کاربرد فناوری نانو در حذف آلاینده های آب و پساب ششمین همایش ملی مهندسی آبخیزداری و چهارمین همایش ملی فرسایش و رسوب، نور ایران.
- ۴۱- حبیب اله یونسی، غزل منزوی، عبدالرسول سلمان ماهینی، ۱۳۸۸، ارزیابی اثرات گزینه های مکانی پیشنهادی دفن زباله شهر زنجان با استفاده از روش ماتریس ارزیابی اثرات سریع ارتقا یافته، ارزیابی اثرات محیط ملی زیستی ایران، تهران، ایران.
- ۴۲- حبیب اله یونسی، زهرا سرابی، اکبر نجفی، عبدالرسول سلمان ماهینی، ۱۳۸۸، افزایش کیفیت روش های ارزیابی اثرات با استفاده از فاکتورهای جبران و عدم قطعیت در ماتریس های ریاضی، هفتمین همایش ملی ارزیابی اثرات محیط زیستی ایران، تهران، ایران.
- ۴۳- لیلا اخلاصی، حبیب اله یونسی، زهرا مهربان، نادر بهرامی فر؛ ۱۳۸۹، حذف یون های نیکل از محلول های آبی با استفاده از نانو ذرات کیتوسان، اولین همایش ملی منطقه ای آگولوژی دریای خزر، ساری، ایران.
- ۴۴- لیلا اخلاصی، حبیب اله یونسی؛ ۱۳۸۹، جذب زیستی یون های کروم از محلول های آبی با استفاده از کیتوسان، همایش ملی منابع طبیعی، آسیب ها و چالش ها، پژوهش های کاربردی و راهکارهای علمی، ایلام، ایران.
- ۴۵- لیلا اخلاصی، حبیب اله یونسی؛ ۱۳۸۹، تهیه نانو ذرات کیتوسان با استفاده از اسید سیتریک به منظور حذف کادمیم و سرب از محلول های آبی، دومین همایش ملی سوخت، انرژی و محیط زیست، کرمانشاه، ایران.
- ۴۶- مرضیه مهتابی، اکبر نجفی، حبیب اله یونسی؛ ۱۳۸۹، کاربرد سیستم اطلاعات جغرافیایی در مدیریت پسماند شهری، دومین همایش ملی سوخت، انرژی و محیط زیست، کرمانشاه، ایران.
- ۴۷- مرضیه مهتابی، اکبر نجفی، حبیب اله یونسی؛ ۱۳۸۹، به کارگیری سیستم اطلاعات جغرافیایی و فرآیند تحلیل سلسله مراتبی در مدیریت و برنامه ریزی پسماند شهری، چهارمین کنفرانس ملی روز جهانی محیط زیست، تهران، ایران.

۴۸- مرضیه مهتابی، اکبر نجفی، حبیب اله یونسی؛ ۱۳۸۹، نقش زیست محیطی پارامترهای زمین شناسی در انتخاب جایگاه دفن پسماندهای شهری، نخستین گردهمایی و همایش ملی بررسی دستاوردهای پژوهشگران علوم زمین ایران، تهران، ایران.

PUBLICATION (International Conferences)

1. G. Zolfaghari , A. Esmaili-Sari, H. Younesi, R. Rajabi Baydokhti and M. Anbia, (2011). Surface modification of ordered nanoporous carbons CMK-3 via a chemical oxidation approach and its application in removal of lead pollution from water. 2011 2nd International Conference on Environmental Science and Technology, IPCBEE vol.6 (2011) © (2011) IACSIT Press, Singapore.
2. A. Shahbazi, **H. Younesi**, A. Badiei, (2010), Batch and fixed-bed column adsorption of heavy metals from aqueous solution by functionalized nano-porous silica, International conference on Environment 2010, 13-15th December, Penang, Malaysia, pp. 214.
3. M. Esfahanian, G.D., Najafpour, A.A. Ghoreyshi, **H. Younesi**, A.L. Ahmad, (2010), Optimization of ethanol production by *Saccaromyces cerevisiae* as function of pH and temperature: Batch fermentation, International conference on Environment 2010, 13-15th December, Penang, Malaysia, pp. 66.
4. M. Amini, **H. Younesi**, N., (2010) Characterization and optimization of uranium adsorption using *Chlorella vulgaris*: A tool in management of dangerous effluents. Journal of Biotechnology. 150S, S1-S576, 14th International Biotechnology Symposium and Exhibition, Rimini, Italy.
5. Z. Ghasemi, **H. Younesi**, and H. Kazemian, (2009) Preparation of sodalite nanozeolite from rice husk ash without organic additives organic additives ‘International Symposium on Relations between and Homogeneous ‘Stockholm ‘SWEDEN
6. Daneshi, A., **Younesi, H.**, Ghasempouri, M., and Sharifzede, M., (2008) Production of biodegradable biopolymer, poly-3-hydroxybutyrate, from corn syrup by *Ralstonia* ‘13th International Biotechnology Symposium and Exhibition, Dalia, china.
7. AAbedian, M., Kam, S., **Younesi, H.**, and Seyfabadi, J., (2008) Preliminary study for production of single cell protein from stickwater by *Lactobacillus acidophilus* ‘13th International Biotechnology Symposium and Exhibition, Dalian, china.
8. Sharifzede, M., Najafpour, G., Tabandeh, F., **Younesi, H.**, and Esazadeh, E. (2008) Accumulation of poly- β -hydroxybutyrate in *Azohydromonas latat* ‘International Conference on Environment 2008, Penang, Malaysia.
9. Ghasem, N., Amini Rad, H., Asadi, M., **Younesi, H.**, (2008) An investigation on VOCs biodegradation from a contaminated air stream using biofilter ‘International Conference on Environmental Research and Technology ‘penang ‘Malaysia .
10. Z. Ghasemi, **H. Younesi**, Ghasem, N., and Zinatizadeh, A.A. (2008). Synthesis of nanozeolite ZSM-5 from rice husk ash for removal of industrial organic pollutants of wastewater ‘Iran International Zeolite Conference (IIZC'08) Tehran, Iran.
11. Kalbasi, M., Peymankia, M., Younesi, H., (2006) An investigation of seasonal changes of coliforms bacteria in Noor-Roud river in Mazandaran state, Iran ‘International Conference on Environment ‘Penang ‘Malaysia .
12. Ku Syahidah, K.I, **Younesi, H.**, Najafpour, G.D., Kamaruddin, A.H. & Mohamed, A.R. (2006). Biohydrogen production from synthesis gas: effect of sparger type. Malaysian Technical Universities Conference on Engineering and Technology 2006, 19th-20th December, Johor, Malaysia.
13. Kalbassi, M.R., **Younesi, H.**, Peymankia, M. and Moghadam, Y. An investigation of seasonal changes of coliforms bacteria in Noor-Roud river in mazandaran state, Iran, International Conference on Environment 2006 (ICENV 2006) 13-15 November 2006, Penang, Malaysia.
14. Najafpour, G.D. & **Younesi, H.** (2005). Bioethanol synthesis for liquid fuel using *Rhodospirillum rubrum* and *Clostridium ljungdahlii*. The 4th national congress on biotechnology in Islamic Republic of Iran, Karman (Mahan). 15-17 August.

15. Najafpour, G.D., Sim, J.H., **Younesi, H.** & Kamaruddin, A.H. (2004). Bioconversion of syngas to renewable fuel using biocatalysts influence of organic compounds on hydrogen production by *Rhodospirillum rubrum*. *The 18th Symposium of Malaysian Chemical Engineers, SOMChE 2004*, Universiti Technology Petronas, Perak, Malaysia.
16. Najafpour, G.D., Ku Syahidah, K.I, **Younesi, H.**, Mohamed, A.R. & Kamaruddin, A.H. (2003). Mass transfer effects in photobiological production of hydrogen. *International Conference on Chemical and Bioprocess Engineering*, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia. 1, 54 - 58, ICCBPE 2003.
17. Najafpour, G., **Younesi, H.**, Sim, J.H., Yap, Y.M., Ku Ismail, K.S., Abdul Raman, M. & Kamaruddin, A.H. (2004). Mathematical modeling of growth kinetics in microbial population. *1st national postgraduate colloquium. School of Chemical Engineering, USM, NAPCOL 2004*, 295-300.
18. Najafpour, G.D., **Younesi, H.** & Mohamed, A.R. (2004). Steady state carbon monoxide transport model in photosynthetic bacteria for production of hydrogen. *Regional Conference on Ecological and Environmental Modeling (ECOMOD)*, Universiti Sains Malaysia, Penang, Malaysia.
19. Najafpour, G.D., **Younesi, H.**, & Mohamed, A.R. (2004). Continuous biological hydrogen production from waste gases using photosynthetic bacterium *Rhodospirillum rubrum*. *Proceeding of International Seminar on Solid State Fermentation*, Universiti Sains Malaysia, Penang, Malaysia.
20. Najafpour, G.D., Yieng, H.A., Zinatizadeh, A.L. & **Younesi, H.** (2003). Biological treatment of Palm Oil Mill Effluent (POME) in rotary disc contactors, Using *Saccharomyces cerevisiae*. *The 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003*, Penang, Malaysia. 680-686, Dec. 2003.
21. Najafpour, G.D., **Younesi, H.** & Mohamed, A.R. (2003). Continuous hydrogen production via fermentation of synthesis gas. *41st International Petroleum Conference, Bratislava, Slovak*. Pp I-i-6, Oct. 2003.
22. Najafpour, G.D., **Younesi, H.** & Mohamed, A.R. (2003). Growth of *Rhodospirillum rubrum* as a light dependent photosynthetic bacterium in bioconversion of synthesis gas to hydrogen. *International Symposium on Bioprocess and Biomolecular Engineering, ECUST, Shanghai China*. 125, Dec. 2003.
23. Najafpour, G.D., **Younesi, H.**, Mohamed, A.R. & Kamaruddin, A.H. (2003). Production of fuels and chemicals from synthesis gas using anaerobic bacteria, *Rhodospirillum rubrum* and *Clostridium ljungdahlii*. *Environment 2003*, February 18-19, 2003. 23-29, Universiti Sains Malaysia, Penang, Malaysia.
24. Najafpour, G.D., **Younesi, H.**, Ku Syahidah K.I., Mohamed, A.R. & Kamaruddin, A.H. (2003). Influence of organic compounds on hydrogen production by *Rhodospirillum rubrum*. *The 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003, Penang, Malaysia*. 376-381, Dec. 2003.
25. Najafpour, G.D., **Younesi, H.**, Ku Syahidah K.I., Mohamed, A.R. & Kamaruddin, A.H. (2003). Hydrogen evolution from synthesis gas using *Rhodospirillum rubrum*, on various acetate concentrations. *Regional Symposium on Chemical Engineering (RSCE 2003)*. Reference no. 18, 100, Manila, Philippines, Dec. 1-3, 2003.
26. Najafpour, G.D., **Younesi, H.**, Ku Ismail, K.S., Mohamed, A.R. & Kamaruddin, A.H. (2003). Hydrogen as clean fuel via continuous fermentation by *Rhodospirillum rubrum*. *Environment 2003*, February 18-19, 2003. 199 -202, Universiti Sains Malaysia, Penang, Malaysia.
27. Najafpour, G.D., **Younesi, H.**, Ku Ismail, K.S., Mohamed, A.R. & Kamaruddin, A.H. (2003). Effect of culture's initial ph on hydrogen production from synthesized gas by *Rhodospirillum rubrum*. *International Conference on Chemical and Bioprocess Engineering*, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia. 1, 154 - 160, ICCBPE 2003.
28. Najafpour, G.D., **Younesi, H.**, Ku Syahidah K.I., Mohamed, A.R. & Kamaruddin, A.H. (2002). Production of hydrogen from synthesis gas using *Rhodospirillum rubrum*, batch fermentation. *Regional Symposium on Chemical Engineering (RSCE 2002) & 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002)*. 1, 28-30, Oct. 2002, Kuala Lumpur, Malaysia.

29. Najafpour, G.D. & **Younesi, H.** (1999). Improvement of wet strength of cardboard with urea-formaldehyde, coating with PVC and alkyd resins. *2nd Colloquium Potential Utilization of Starch and Lignocellulosic Material for value Added Application, Lignocellulose'99*, Universiti Sains Malaysia, Penang. 1-7, 30 November 1999.

Registered Patents

Formulation of Transparent Soap and Natural Biodegradable Liquid Detergent from Palm Oil's Fatty Acids, Patented in Malaysia SIRIM: ISD 426/13/1, [NS/2002-09/146], 2004