

Dr. Meisam Tabatabaei
(PhD in Environmental Biotechnology)



Positions

Current Academic Positions

- Assistant Professor, Agricultural Biotechnology Research Institute of Iran (ABRII)
- [Director](#), Commercialization & Marketing Bureau, ABRII
- Founding [Editor-in-Chief](#), Biofuel Research Journal (BRJ) www.biofueljournal.com (2014-present)
BRJ's content is indexed in Thomson Reuters's Emerging Sources Citation Index (ESCI).
- [President](#), Biofuels Committee; [Vice-Presidency for Science & Technology](#) (2014-present)
- [Founder](#) & [President](#), Iranian Biofuel Society (IBS); [Ministry of Science & Technology](#) (2015-present)
- Founding Team Leader- Biofuel Research Team (BRTeam) (2010- present)
www.brteam.ir
- Founding Team Leader- Nanosystems Research Team (NRTeam) (2011- present)
- Founder & Coordinator- Extension Group of Environmentalists (EGE): Guarantor of SGP/GEF/UNDP projects on waste-oriented biofuels in Iran (2012-present) www.environmentalists.ir
- [Research Associate](#) - Molecular Biology Dept., [Iranian Biological Resource Center \(IBRC\)](#), Tehran, Iran (2014-present)
- [Associate Researcher](#)- Biomass and Biorefinery Research Group- Faculty of Biotechnology and Biomolecular Sciences- University Putra Malaysia (UPM)- Malaysia (2010-present)
- [President](#)- ISO TC 248 SC7 (Liquid Biofuels) (2014-present)
- [Invited Professor](#)- Tehran University, Iran (2012-present)
- [Invited Professor](#)- Lebanese University, Lebanon (2012-present)
- [Invited Professor](#)- University Technology Mara (UiTM), Malaysia (2012-present)
- Member of ISO TC 238 (Solid biofuels) and ISO TX 248 (Sustainability criteria for Bioenergy) (2012-present)

Previous Academic Positions

- [Scientific Advisory Member](#)- Faculty of Plantation & Agrotechnology- UiTM- Malaysia (2012- 2013)
- [Editor](#), BioMed Research International <http://www.hindawi.com/journals/bmri/si/790187/cfp/> (2014)

Address

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Date of Birth

1979 (Age: 35)

Language Proficiency

- Fluent in English (IELTS: 7.5 with all bands above 7.0)
- Good at French
- Holds *Simultaneous Interpretation Diploma* (English-Persian) from News College (Tehran, Iran)

Research Area

- **Biofuels**
- **Metagenomics**
- **Nanosystems**

Honors and Awards

h-index: 18 ; i-10 Index: 31

(<http://scholar.google.com/citations?user=7J3mlw4AAAAJ&hl=en&oi=ao>)

- Outstanding Youth Award of Alborz Province- Iran
- **INPEX[®] 2012 Gold Medal- Diesel⁵⁺ Fuel Additive**
- **INPEX[®] 2012 Gold Medal- Pro Spinning Tube in Tube (Pro-STT) Reactor for the Production of Biodiesel and Glycerin**

INPEX, the Invention & New Product Exposition, is the largest invention trade show in America and perhaps the world. **INPEX 2012 was held in Pittsburg, Pennsylvania, USA.**

- **Awarded the prestigious Governmental Award “Golden Tablet of Appreciation” by the President of I.R. of Iran in March 2012.**

"Golden Tablet of Appreciation" (In Persian; لوح زرین سپاس), is one of the most significant governmental awards bestowed upon eminent academics in Iran.

- **Awarded the “Outstanding Invention” during the 4th Fajr International Innovation and Inventions Exhibition 2012” by Vice-President of I.R. of Iran in Science and Technology**
- **Third Level Inventor of National Foundation of Elites of Iran.**
- **Biography listed in Marquis Who’s Who In the World 2010.**
Marquis Who's Who in the World profiles those men and women who are influencing their nation's development
- Outstanding Invention. **Meisam Tabatabaei, Mahdi Khatami far. 2009. Pro Spinning Tube In Tube Reactor (Pro-STT) Equipped with High Voltage System For The Production Of Biodiesel and Glycerin (Iranian Patent Grant Number:62533).** Invited to the 90 Outstanding Inventions Exhibition exclusively held by the National Foundation of Elites for the President of Islamic Republic of Iran and the cabinet.
- **Bronze Medal** in the PECIPTA 2009 (International Exposition of Research and Invention of Institutions of Higher Learning, 2009).
- **Member of the National Foundation of Elites of Iran**
- **2 Gold Medals** in the Invention, Research and Innovation Exhibition (PRPI 2009).
- **Graduate Research fellowship, UPM, Malaysia,** (July 2007 – January 2009).
- **Tarbiat Modarres University’s representative in Iran’s Talented Students NGO.**
- Top Student of Tarbiat Modarres University in 2002 and 2003.

- **Ranked number 1 in the Nationwide M.Sc. Entrance Exam for State Universities , 2002.**
- Authorized to take M.Sc. and PhD Courses officially while a degree (B.Sc.) student by IUT's Talented Students Council, 2002.
- Awarded a Research Grant by Talented Students Council (IUT) in 2001.
- Scholarship, Isfahan University of Technology (IUT), University Top Student in 1999, 2000, 2001, and 2002.

Media Appearances

- **NIMROOZ, Iran's National TV Channel 3, March 2012**
- **Iran National News Channel, March 2012**
- **Rah-e-Shab, Radio Iran, numerous occasions since 2012**
- **Soal- Radio Iran, 3 times since 2012**
- **I-Gap, Sedaye Ashna World Network Broadcasting, twice since 2013**
- **Official Anchor- Danesh National Radio, since 2014**

Media Production

- **Executive Producer of the following movie-clips on scientific achievements**

No.	Name of Product	Time (min)	Language	Production Year	Producer
1	Advanced Pro-STT reactor for production of biodiesel <i>Watch on Youtube:</i> www.youtube.com/watch?v=Uc4dFqgRvE	6:30	English Farsi	2012	ABRII
2	Diesel ⁵⁺ Fuel Additive	4:00	English Farsi	2012	ABRII
3	Transgenic Green House	8:30	Farsi	2013	ABRII
4	Current Status of Waste Cooking Oil Production and its Conversion to Biodiesel in Iran <i>Watch on Youtube:</i> www.youtube.com/watch?v=dK6lqLcwORw	3:45	Farsi	2013	UNDP

Grants and Funding

(Chair)

- Production of Biodiesel as a Replacement for Fossil Fuels. 2010–2014. Fund approved and awarded by AREEO: USD 190,000
- Advanced Nanosystems. 2010-2013: Fund approved and awarded by National Nanotechnology Council: USD 130,000
- Pretreatment of Lignocellulosic Wastes for Bioethanol Production. 2010- 2012: Fund approved and awarded by AREEO: USD 36,000
- Establishment of the regional site for practical training of sustainable management of waste cooking oil for the production of biodiesel as a model in megacities. 2012- 2013: Fund approved and awarded by United Nation Development Program (UNDP): USD 40,000 (https://sgp.undp.org/index.php?option=com_sgpprojects&view=projectdetail&id=18910&Itemid=205)
- Production of household Reactor for Biodiesel Production from Waste Cooking Oil. 2014. Fund approved and awarded by AREEO: USD 5,000
- Establishment of a 500 L/day Pilot Biorefinery for sustainable management of waste cooking oil for biodiesel production in order to be used in public transport fleet as a model in mega cities. 2014-2015. Fund approved and awarded by AREEO: USD 50,000

(Collaborator)

- Biodiesel production from vegetable oil recovered from spent bleaching earth. 2010- 2011. Fund approved and awarded by Iran National Science Foundation (INSF): USD 10,000
- The Impact of Anaerobic Digestion of Dairy Manure on the Quality of the Bio-fertilizer. 2010-1011. Fund approved and awarded by Material and Energy Research Institute, Iran: USD 4,000
- Improvement of Palm Oil Extraction Rate Through Oil Recovery From Wastes Towards Achieving Zero Waste Strategy. 2012-2016. Fund approved and awarded by the Malaysian government: USD 330,000

Patents

In the field of Renewable Energy:

1. Meisam Tabatabaei, Mohd Rafein Zakaria, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Mehdi Shamsara, Kenji Sakai and Mohd Ali Hassan. 2008. Method or Direct Isolation of High Yield, PCR-Compatible DNA from Environmental Samples. ([Malaysian Patent Pending Number: PI20082842](#)) ([PCT/MY2009/000143](#))-(European Patent Application [EP2499246](#)) ([United State Patent Office Publication Number: US 2014/0051847 A1](#)).
2. Meisam Tabatabaei, Mahdi Khatami far. 2009. Pro Spinning Tube In Tube Reactor (Pro-STT) Equipped with High Voltage System For The Production Of Biodiesel and Glycerin ([Iranian Patent Grant Number:62533](#)).
3. Mahdi Khatami far, Meisam Tabatabaei. 2009. Pro Spinning Tube In Tube Reactor (Pro-STT) Equipped with Centrifuge System For The Production Of Biodiesel and Glycerin ([Iranian Patent Grant Number:62531](#)).

4. Mahdi Khatami far, **Meisam Tabatabaei**. 2009. **Miniature Spinning Tube In Tube Reactor With Application In Diesel Engine Fueling System** ([Iranian Patent Grant Number:62528](#)).
5. Behrooz B. Dashti, Mahdi Khatami far, **Meisam Tabatabaei**, Ali G. Soloot, Ali M. Nikbakht. **A novel System for Biogas Production and Anaerobic Digestion of Organic Wastes.** ([Iranian Patent Grant Number:65077](#)).
6. **Meisam Tabatabaei**, Ali M. Nikbakht, Khalil Farhadi, Pouya Mohammadi, Mehdi Khatami far, Mojtaba Khyam Nekouei. **Fuel Additive “Diesel 5+”** ([Iranian Patent Grant Number: 73336](#)).
7. Ali Zonouzi, **Meisam Tabatabaei**, Nazanin Saberi, Mehdi Khatamifar. **BD-Pro 50; a fully automated biodiesel processor.** ([Iranian Patent Grant Number: 82699](#))

In the field of Nanotechnology:

8. Fatemeh Rad, Afshim Mohseni far, **Meisam Tabatabaei**, Reza Safarnejad, Aidin Foroutan, Daryoush Davoudi, Mohammad Hossein Fotoukian, Mohsen Mardi. **WBDL Nano-Detection Kit.** ([Iranian Patent Grant Number:70521](#)).
9. Fatemeh Rad, Afshim Mohseni far, **Meisam Tabatabaei**, Reza Safarnejad, Aidin Foroutan, Daryoush Davoudi, Mohammad Hossein Fotoukian, Mohsen Mardi. **WBDL High-throughput Nano-Detection Kit.** ([Iranian Patent Grant Number: 73019](#)).
10. Hossein Safarpiur, **Meisam Tabatabaei**, Reza Safarnejad, Afshim Mohseni far, Marziyeh Basirat, Fatemeh Rad, Seyed Bagher Mahmoudi, Gholamreza Salehi. **Nano-Detection Kit for *Polymyxa betae*; the carrier of the causative agent of sugar beet Rhizomania disease.** ([Iranian Patent Grant Number:77873](#)).
11. Hossein Safarpiur, **Meisam Tabatabaei**, Reza Safarnejad, Afshim Mohseni far, Marziyeh Basirat, Fatemeh Rad, Seyed Bagher Mahmoudi, Gholamreza Salehi. **High throughput Nano-Detection Kit for *Polymyxa betae*; the carrier of the causative agent of sugar beet Rhizomania disease.** ([Iranian Patent Grant Number:77874](#)).

Publications

Books/Book Chapters

12. **Meisam Tabatabaei**, Alawi Sulaiman, Ali Mohammad Nikbakht, Norjan Yousef, and Ghasem Najafpour. 2011. **Influential Parameters on Biomethane Generation in Anaerobic Wastewater Treatment Plants.** In [Alternative Fuel](#), Book edited by Maximino Manzanera, ISBN: 978-953-307-347-7 (INTECH, Croatia).
13. Manouchehr Afzal Moradi, Ebad Jafari and **Meisam Tabatabaei**. 2011. **The Manager's Non-Revenue Water Handbook: A Guide to Understanding Water Losses.** (Translation into Persian), ISBN: 978-964-7416-68-9 (SEPIDBARG, Iran)
14. Mohammad M. A. Shirazi, **Meisam Tabatabaei**. 2014. **Green Energy.** In [Energy Science and](#)

[Technology \(Vol. 1\)](#), Book edited by U.C. Sharma, Shiva Kumar and Ram Prasad. **Stadium Press LLC, USA (In Press)**

15. Mohammad M. A. Shirazi, **Meisam Tabatabaei**. 2014. **Wind and Biomass**. In [Energy Science and Technology \(Vol. 6\)](#), Book edited by U.C. Sharma, Shiva Kumar and Ram Prasad. **Stadium Press LLC, USA (In Press)**
16. Arash Mollahosseini, **Meisam Tabatabaei** and Ghasem Najafpour. 2015. **Biofuel Production**. In: Ghasem Najafpour, (Ed.) . [Biochemical Engineering and Biotechnology](#) Elsevier.

Full papers in peer reviewed journals

17. S Shamshirband, **M Tabatabaei**, M Aghbashlo, L Yee, D Petković. (2016). **Support vector machine-based exergetic modelling of a DI diesel engine running on biodiesel–diesel blends containing expanded polystyrene**. ([Applied Thermal Engineering 94, 727-747](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 3.034)**.
18. Hamid Amiri, Reza Azarbaijani, Laleh Parsa Yeganeh, Abolhassan Shahzadeh Fazeli, **Meisam Tabatabaei**, Ghasem Hosseini Salekdeh, Keikhosro Karimi. (2016). **Nesterenkonia sp. strain F, a halophilic bacterium producing acetone, butanol, and ethanol under aerobic conditions**. ([Scientific Reports 6, 18408; Nature Publishing Group](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 5.597)**.
19. A Elham, F Talebniaa, **M Tabatabaei**, H Ahmadzadeh, B Mostaghacid. (2016). **Osteoconductive Composite Graft Based on Bacterial Synthesized Hydroxyapatite Nanoparticles Doped with Different Ions: From Synthesis to In vivo Studies**. ([Nanomedicine: Nanotechnology, Biology, and Medicine](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 7.275)**.
20. A Dadak, M Aghbashlo, **M Tabatabaei**, G Najafpour, H Younesi. (2016). **Sustainability assessment of photobiological hydrogen production using anaerobic bacteria (*Rhodospirillum rubrum*) via exergy concept: Effect of substrate concentrations**. ([Environmental Progress & Sustainable Energy](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 1.745)**.
21. M Aghbashlo, **M Tabatabaei**, K Karimi. (2016). **Exergy-based sustainability assessment of ethanol production via *Mucor indicus* from fructose, glucose, sucrose, and molasses**. ([Energy](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 5.153)**.
22. A Mortaza, S Hosseinpour, **M Tabatabaei**, H Younesi, G Najafpour. (2016). **On the exergetic optimization of continuous photobiological hydrogen production using hybrid ANFISeNSGA-II (adaptive neuro-fuzzy Q4 inference system non-dominated sorting genetic algorithm-II)**. ([Energy](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 5.153)**.
23. M Aghbashlo, **M Tabatabaei**, A Dadak, H Younesi, G Najafpour. (2016). **Exergy-based performance analysis of a continuous stirred bioreactor for ethanol and acetate fermentation**

- from syngas via Wood-Ljungdahl pathway. ([Chemical Engineering Science](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 2.674).
24. M Aghbashlo, M Tabatabaei, SS Hosseini, H Younesi, G Najafpour. (2016). Exergy analysis for decision making on operational condition of a continuous photobioreactor for hydrogen production via WGS reaction. ([International Journal of Hydrogen Energy](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 3.659).
 25. M Aghbashlo, S Shamshirband, M Tabatabaei, L Yee, YN Larimi. (2016). The use of ELM-WT (extreme learning machine with wavelet transform algorithm) to predict exergetic performance of a DI diesel engine running on diesel/biodiesel blends containing polymer waste. ([Energy, 94, 443-456](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 5.153).
 26. M Aghbashlo, M Tabatabaei, SS Hosseini, H Younesi, G Najafpour. (2016). Performance analysis of a continuous bioreactor for ethanol and acetate synthesis from syngas via Clostridium ljungdahlii using exergy concept. ([Clean Technologies and Environmental Policy, 1-13](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 2.052).
 27. E Bet-moushoul, Y Mansourpanah, K Farhadi, M Tabatabaei. (2016). TiO₂ nanocomposite based polymeric membranes: a review on performance improvement for various applications in chemical engineering processes. ([Chemical Engineering Journal](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 4.621).
 28. Mehraneh Motamedi Juibari, Laleh Parsa Yeganeh, Saeed Abbasalizadeh, Reza Azarbaijani, Seyed Hossein Mousavi, Meisam Tabatabaei, Gholamreza Salehi Jouzani, Ghasem Hosseini Salekdeh. (2015). Investigation of a Hot-Spring Extremophilic *Ureibacillus thermosphaericus* Strain Thermo-BF for Extracellular Biosynthesis of Functionalized Gold Nanoparticles. ([BioNanoScience 5 \(4\), 233-241](#))- ([ISI-Scopus cited](#)).
 29. Seyede Maryam Mesbah Namini, Afshin Mohsenifar, Rezvan Karami, Tavoos Rahmani-Cherati, Taha Roodbar Shojaei, Meisam Tabatabaei. (2015). Kinetic properties of arylalkylphosphatase immobilised on chitosan myristic acid nanogel. ([Chemical Papers 69 \(10\), 1291-1297](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 1.168).
 30. Wan Siti Shazzelyn Aida Wan Sharifudin, Alawi Sulaiman, Noriznan Mokhtar, Azhari Samsu Baharuddin, Meisam Tabatabaei, Zainuri Busu, Karuppuchamy Subbian. (2015). Presence of Residual Oil in Relation to Solid Particle Distribution in Palm Oil Mill Effluent. ([BioResources 10 \(4\), 7591-7603](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 1.774).
 31. Reza Khaksarinejad, Afshin Mohsenifar, Tavoos Rahmani-Cherati, Rezvan Karami, Meisam Tabatabaei. (2015). An Organophosphorus Hydrolase-Based Biosensor for Direct Detection of Paraoxon Using Silica-Coated Magnetic Nanoparticles. ([Applied Biochemistry and Biotechnology, 1-13](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: 1.981).

32. R Jaber, MMA Shirazi, J Toufaily, AT Hamieh, A Nouredin, H Ghanavati, A Ghaffari, A Zenouzi, A Karout, AF Ismail, **M Tabatabaei**. (2015). **Biodiesel wash-water reuse using microfiltration: toward zero-discharge strategy for cleaner and economized biodiesel production.** ([Biofuel Research Journal 2 \(1\), 148-151](#))- (TR: ESCI).
33. **Tabatabaei, M.**, Karimi, K., Kumar, R., & Horváth, I. S. (2015). **Renewable Energy and Alternative Fuel Technologies.** ([BioMed Research International <previously: Journal of Biomedicine and Biotechnology>](#))- (ISI-Scopus cited). (5-Year Impact Factor: 2.750).
34. M Mirzajanzadeh, **M Tabatabaei**, M Ardjmand, A Rashidi, B Ghobadianb, 2015. **A novel soluble nano-catalysts in diesel–biodiesel fuel blends to improve diesel engines performance and reduce exhaust emissions.** ([Fuel, 139 \(10.1016/j.fuel.2014.09.008\), 374-382](#))- (ISI-Scopus cited). (5-Year Impact Factor: 4.091).
35. Talebi, A. F., Tohidfar, M., Mousavi Derazmahalleh, S. M., Sulaiman, A., Baharuddin, A. S., & **Tabatabaei, M.** (2015). **Biochemical Modulation of Lipid Pathway in Microalgae Dunaliella sp. for Biodiesel Production.** ([BioMed Research International <previously: Journal of Biomedicine and Biotechnology>](#))- (ISI-Scopus cited). (5-Year Impact Factor: 2.750).
36. Adam, M. A., Sulaiman, A., Said, C. M. S., Som, A. M., & **Tabatabaei, M.** (2015). **Enhanced Rigidity of Natural Polymer Composite Developed from Oil Palm Decanter Cake.** ([BioResources, 10\(1\), 932-942](#))- (ISI-Scopus cited). (5-Year Impact Factor: 1.774).
37. Zhavah, Sara; Mohsenifar, Afshin; Beiki, Mina; Khalili, Tahereh; Abdollahi, Elina; Rahmani-Cherati, Tavos; **Tabatabaei, Meisam.** (2015). **Encapsulation of Cuminum cyminum essential oils in chitosan-caffeic acid nanogel with enhanced antimicrobial activity against Aspergillus flavus.** ([Industrial Crops and Products](#))- (ISI-Scopus cited). (5-Year Impact Factor: 2.829).
38. Mansourpanah, Y., Kakanejadifard, A., Dehrizi, F. G., **Tabatabaei, M.**, & Afarani, H. S. (2015). **Increasing and enhancing the performance and antifouling characteristics of PES membranes using acrylic acid and microwave-modified chitosan.** ([Korean Journal of Chemical Engineering, 32\(1\), 149-158](#))- (ISI-Scopus cited). (5-Year Impact Factor: 1.134).
39. Mohammad M. Shirazi, Ali Kargari, **Meisam Tabatabaei.** 2015. **Sweeping gas membrane distillation (SGMD) as an alternative for integration of bioethanol processing: study on a commercial membrane and operating parameters.** ([Chemical Engineering Communications](#))- (ISI-Scopus cited). (5-Year Impact Factor: 0.915).
40. Khalili, Seyede Tahereh, Afshin Mohsenifar, Mina Beyki, Sara Zhavah, Tavos Rahmani-Cherati, Alina Abdollahi, Mansour Bayat, and **Meisam Tabatabaei.** 2015. **Encapsulation of Thyme essential oils in chitosan-benzoic acid nanogel with enhanced antimicrobial activity against**

- Aspergillus flavus*. ([LWT-Food Science and Technology 60, 502-508](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 3.019)**.
41. Hajjari, Masoumeh, Mehdi Ardjmand, and Meisam Tabatabaei. 2014. Experimental investigation of the effect of cerium oxide nanoparticles as a combustion-improving additive on biodiesel oxidative stability: mechanism. ([RSC Advances, 4\(28\):14352-14356](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 2.652)**.
 42. M Tabatabaei, Y Chisti, AF Ismail, S Ramakrishna. 2014. Editorial. ([Biofuel Research Journal](#)).
 43. Sulaiman, Alawi, Nasuddin Othman, Azhari Samsu Baharuddin, Mohd Noriznan Mokhtar, and Meisam Tabatabaei. 2014. Enhancing the Halal Food Industry by Utilizing Food Wastes to Produce Value-added Bioproducts. ([Procedia-Social and Behavioral Sciences, 121: 35-43](#))- ([ISI-Scopus cited](#)).
 44. M Beyki, S Zhavah, ST Khalili, T Rahmani-Cherati, A Abollahi, M Bayat, M Tabatabaei, A Mohsenifar. 2014. Encapsulation of *Mentha piperita* essential oils in chitosan–cinnamic acid nanogel with enhanced antimicrobial activity against *Aspergillus flavus*. ([Industrial Crops and Products](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 2.829)**.
 45. MMA Shirazi, A Kargari, M Tabatabaei, AF Ismail, T Matsuura. 2014. Concentration of glycerol from dilute glycerol wastewater using sweeping gas membrane distillation. ([Chemical Engineering and Processing: Process Intensification](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 2.197)**.
 46. MMA Shirazi, A Kargari, M Tabatabaei, AF Ismail, T Matsuura. 2014. Assessment of atomic force microscopy for characterization of PTFE membranes for membrane distillation (MD) process. ([Desalination and Water Treatment](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.752)**.
 47. Sohrab Haghighi Mood, Amir Hossein Golfeshan, Meisam Tabatabaei, Saeed Abbasalizadeh, Mehdi Ardjmand, Gholamreza Salehi Jouzani. 2014. Comparison of different ionic liquids pretreatment for Corn Stover enzymatic saccharification. ([Preparative Biochemistry and Biotechnology](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.614)**.
 48. Pouya Mohammadi, Meisam Tabatabaei, Ali. M. Nikbakht, Zahra Esmaeili. 2014. Improvement of the cold flow characteristics of biodiesel containing dissolved polymer wastes using acetone. ([Biofuel Research Journal](#)).
 49. Mohammad Mahdi A. Shirazi Ali Kargari Meisam Tabatabaei. 2014. Evaluation of commercial PTFE membranes in desalination by direct contact membrane distillation. ([Chemical Engineering and Processing: Process Intensification](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 2.197)**.

50. Shahram Dadgar, Bagher Teimoori, Siamak Yousefi and Meisam Tabatabaei. **2014. Determination of pcb levels in skin and muscle of northern pike (*esox lucius*) in anzali wetland, Iran. ([Annals of Biological Research](#))- (ISI-Scopus cited).**
51. Nahid Kamelipour, Afshin Mohsenifar, Meisam Tabatabaei, Tavoos Rahmani-Cherati, Kamyar Khoshnevisan, Abdolamir Allameh, Majid M Milani, Saeid Najavand, Batool Etemadikia. **2014. Fluorometric determination of paraoxon in human serum using a gold nanoparticle-immobilized organophosphorus hydrolase and coumarin 1 as a competitive inhibitor. ([Microchemica Acta](#))- (ISI-Scopus cited). (Impact Factor: 3. 434).**
52. Sohrab Haghighi Mood; Amir Hossein Golfeshan; Meisam Tabatabaei, Gholamreza Salehi Jouzani, Gholamhassan Najafi, Mehdi Ardjmand, Mehdi Gholami. **2013. Lignocellulosic biomass to bioethanol; a comprehensive review on pretreatment. ([Renewable and Sustainable Energy Reviews](#))- (ISI-Scopus cited). (5-Year Impact Factor: 6.619).**
53. Fatemeh Pakpour, Ghasem Najafpour, Meisam Tabatabaei, Masoud Tohidfar, Habiboallah Younesi. **2013. Biohydrogen production from CO-rich syngas via a locally isolated *Rhodopseudomonas palustris* PT. ([Bioprocess and Biosystems Engineering](#))- (ISI-Scopus cited). (5-Year Impact Factor: 2.00).**
54. Mohammad Mahdi A. Shirazi, Ali Kargari, Meisam Tabatabaei, Saeed Bazgir, Mohammad Javad A. Shirazi, M.S. Abdullah, T. Matsuura, Ahmad Fauzi Ismail. **2013. Characterization of electrospun polystyrene membrane for treatment of biodiesel's water-washing effluent using atomic force microscopy. ([Desalination](#))- (ISI-Scopus cited). (5-Year Impact Factor: 3.04).**
55. Mohammad Mahdi A. Shirazi, Ali Kargari, Meisam Tabatabaei, Bouck Mostafaei, Mandana Akia, Mohammad Barkhi, Mohammad Javad A. Shirazi. **2013. Acceleration of biodiesel-glycerol decantation through NaCl-assisted gravitational settling: A strategy to economize biodiesel production. ([Bioresource Technology](#))- (ISI-Scopus cited). (5-Year Impact Factor: 5.352).**
56. Mohammad Mahdi A. Shirazi, Dariush Bastani, Ali Kargari, Meisam Tabatabaei. **2013. Characterization of polymeric membranes for membrane distillation using atomic force microscopy. ([Desalination and Water Treatment](#))- (ISI-Scopus cited). (5-Year Impact Factor: 0.752).**
57. Ahmad Farhad Talebi, Masoud Tohidfar, Meisam Tabatabaei, Abdolreza Bagheri, Motahhareh Mohsenpor, Seyed Kaveh Mohtashami. **2013. Genetic manipulation, a feasible tool to enhance unique characteristic of *Chlorella vulgaris* as a feedstock for biodiesel production. ([Molecular Biology Report](#))- (ISI-Scopus cited). (5-Year Impact Factor: 2.929).**
58. Sayed Mohammad Sahafi, Sayed Amir Hossein Goli, Meisam Tabatabaei, Ali Mohammad Nikbakht, Navid Pourvosoghi. **2013. Treatment of Waste cooking oil and spent bleaching for biodiesel Production. ([Energy Sources, Part A: Recovery, Utilization, and Environmental Effects](#))- (ISI-Scopus cited). (5-Year Impact Factor: 0.614).**

59. Hossein Safarpour, Mohammad Reza Safarnejad, Fatemeh Shahryari, marzieh Basirat, Alaeddin Kordenaeej, Amir Mohammad Naji, **Meisam Tabatabaei**, Mozhdeh Kakouie Nezhad. **2013. Selection and characterization of specific single chain variable fragments against Polymyxa betae from phage display libraries.** ([Journal of Plant Protection Research](#)) [\(ISI-Scopus cited\)](#).
60. Pouya Mohammadi, **Meisam Tabatabaei**, Ali M. Nikbakht, Khalil Farhadi, Mehdi Khatami far, Marco Castaldi. **Simultaneous energy recovery from waste polymers in biodiesel and improving fuel properties.** 2013 .([Waste and Biomass Valorization](#))– [\(ISI-Scopus cited\)](#). [\(unofficial Impact Factor: 1.47\)](#).
61. Ahmad Farhad Talebi, Seyed Kaveh Mohtashami, Meisam Tabatabaei, Masoud Tohidfar, Abdolreza Bagheri, Mehrshad Zeinalabedini, Hossein Hadavand, Mehrdad Mirzajanzadeh, Shiva Bakhtiari. **2013. Fatty Acids Profiling; a Selective Criterion for Screening Microalgae Strains for Biodiesel Production.** ([Algal Research](#))– [\(ISI-Scopus cited\)](#). [\(5-Year Impact Factor: 4.095\)](#).
62. Yaghoob Mansourpanah, H. Soltani Afarani, K. Alizadeh, **M. Tabatabaei**. **2013. Enhancing the performance and antifouling properties of nanoporous PES membranes using microwave-assisted grafting of chitosan** ([Desalination](#))– [\(ISI-Scopus cited\)](#). [\(5-Year Impact Factor: 3.04\)](#).
63. Roya Zekavati, Shahabeddin Safi, Seyed Jamal Hashemi, Tavoos Rahmani-Cherati, Afshin Mohsenifar, Mansour Bayat, **Meisam Tabatabaei**. **2013. Highly Sensitive FRET-Based Fluorescence Immunoassay for Aflatoxin B1 Using Cadmium Telluride Quantum Dots.** ([Microchimica Acta](#))– [\(ISI-Scopus cited\)](#). [\(Impact Factor: 3.434\)](#).
64. Elham Mirtalebi, Mohammad Mahdi A. Shirazi, Ali Kargari, **Meisam Tabatabaei**, Seeram Ramakrishna. **2013. Assessment of atomic force and scanning electron microscopes for characterization of commercial and electrospun nylon membranes.** ([Desalination and Water Treatment](#))– [\(ISI-Scopus cited\)](#). [\(5-Year Impact Factor: 1.04\)](#).
65. Sohrab Haghighi Mood, Amir Hossein Golfeshan, **Meisam Tabatabaei**, Saeed Abbasalizadeh, Mehdi Ardjmand. **2013. Comparison of different ionic liquids pretreatment for barley straw enzymatic saccharification.** ([3 Biotech](#))– [\(Springer- Scopus cited\)](#).
66. Ahmad Farhad Talebi, Meisam Tabatabaei, Seyed Kaveh Mohtashami, Masoud Tohidfar, Foad Moradi. **2013. Comparative Salt Stress Study on Intracellular Ion Concentration in Marine and Salt-adapted Freshwater Strains of Microalgae.** ([Notulae Scientia Biologicae](#))– [\(Scopus cited\)](#).
67. Heydar Aqbabaa, Mehrdad Tabandeh, **Meisam Tabatabaei**. **2013. Computer-assisted Design and Synthesis of a Highly Selective Smart adsorbent for extraction of Clonazepam from Biological Fluids.** ([Materials Science and Engineering C](#))– [\(ISI-Scopus cited\)](#). [\(Impact Factor: 2.423\)](#).

68. Maghabl, R., M. Chizari, S. M. Khayyam- Nekouei, and **M. Tabatabaei**. 2012. **Investigating the Researchers' Attitude and the Obstacle Hampering Nanotechnology Development in the Agricultural Sector of Iran.** ([Journal of Agricultural Science and Technology \(JAST\)](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.436)**.
69. Kamyar Khoshnevisana, Mohammad Barkhi, Abdol-Khalegh Bordbara, Daryiush Davoodi, **Meisam Tabatabaei**. 2012. **Synthesis and Zeta potential analysis of CTAB-stabilized superparamagnetic nanoparticles using the co-precipitation method.** ([Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.426)**.
70. Davood Zare, Azim Akbarzadeh, Mohammad Barkhi, Kamyar Khoshnevisana, Nasim Bararpour, Masoumeh Norouzi, **Meisam Tabatabaei**. 2012. **L-Arginine and L-Glutamic acid Capped-Gold Nanoparticles at Physiological pH: Synthesis and Characterization using Agarose Gel Electrophoresis.** ([Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.426)**.
71. Javani, A., Hasheminejad, M., Tahvildari, K., **Tabatabaei, M.**, Mansourpanah, Y., Khatami far, M. 2012. **High quality potassium phosphate production through step-by-step glycerol purification: A strategy to economize biodiesel production.** ([Bioresource Technology](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 5.352)**.
72. Mehdi Hosseini, Ali Mohammad Nikbakht, **Meisam Tabatabaei**. 2012. **Biodiesel Production in Batch Tank Reactor Equipped to Helical Ribbon-like Agitator.** ([Modern Applied Science](#), 6(3): 40-45)-([Scopus cited](#)).
73. Mehrdad Tabandeh, Soheila Ghassamipour, Heydar Aqbaba, **Meisam Tabatabaei**, Meisam Hasheminejad. 2012. **Computational design and synthesis of Molecular Imprinted Polymers for selective extraction of Allopurinol from human plasma.** ([Journal of Chromatography B](#))- ([ISI-Scopus cited](#)). **(Impact Factor: 3.057)**.
74. Mehdi Safarpour, Mohammad Reza Safarnejad, **Meisam Tabatabaei**, Afshin Mohsenifar, Fatemeh Rad, Fatemeh Shahryari and Fatemeh Hasanzadeh. 2012. **Development of a quantum dots FRET-Based biosensor for efficient detection of Polymyxa betae.** ([Canadian journal of Plant Pathology](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 0.982)**.
75. Fatemeh Raad, Afshin Mohsenifar, Mohammadreza Safarnejad, **Meisam Tabatabaei**, Fatemeh Shahryari, Aidin Foroutan, Mohammadhosein Fotokian, Dariosh Davodi, Mohsane Mardi. 2011. **A novel quantum dots FRET-Based biosensor for the detection of phytoplasma aurantifolia; the causative agent of witches broom disease in lime.** ([Journal of Plant Pathology](#))- ([ISI-Scopus cited](#)). **(5-Year Impact Factor: 1.196)**.
76. Pouya Mohammadi, Ali M. Nikbakht, **Meisam Tabatabaei**, Khalil Farhadi. 2012. **A Novel Diesel Fuel Additive to Improve Fuel Properties and to Reduce Emissions.** ([International Journal of Automotive Engineering](#)).
77. Pouya Mohammadi, Ali M. Nikbakht, **Meisam Tabatabaei**, Khalil Farhadi and Mahdi Khatamifar. 2012. **Experimental Investigation of Performance and Emission Characteristics of DI Diesel**

- Engine Fueled with Polymer Waste dissolved in Biodiesel-Blended Diesel Fuel. ([Energy](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **3.858**).**
78. Meisam Hashemi Nejad, **Meisam Tabatabaei**, Yaghoub Mansourpanah, Mehdi Khatami far and Azita Javani. **2011. Upstream and Downstream Strategies to economize Biodiesel Production. ([Bioresource Technology- 102\(2\), pp: 461-468](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **5.352**).**
 79. **Meisam Tabatabaei**, Masoud Toohidfar, Gholamreza Salehi Zouzani, Mohammad Pazouki and Mohammadreza Safarnejad. **2011. Bioediesel Production from genetically engineered microalgae; the future of bioenergy in Iran. ([Renewable and Sustainable Energy Reviews-15\(4\), pp: 1918-1927](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **6.619**).**
 80. Norjan, Y., Hassan, M.A., Phang,L.Y. **Meisam Tabatabaei**, Othman, M.R., Mori, M., Wakisaka, M. , Sakai, K., and Shirai, Y. **2011. Nitrification Of High-Strength Ammonium From Mature Sanitary Landfill Leachate With Organic Carbon Removal. ([Waste Management and Research](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **1.529**).**
 81. Kamyar Khoshnevisana, Abdol-Khalegh Bordbara, Davood Zare, Daryiush Davoodi, Masumeh Noruzi, Mohammad Barkhi and **Meisam Tabatabaei**. **2011. Immobilization of cellulase enzyme on superparamagnetic nanoparticles and determination of its activity and stability. ([Chemical Engineering Journal](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **3.681**).**
 82. Mardi, M., Khayam nekouei, M., Karimi Farsad, L., Ehya, F., Shabani, M., Shafiee, M., **Tabatabaie**, M., Safarnejad, M. R., Salehi Jouzani, G. R., HosseiniSalekdeh, G. **2011. Witches' broom disease of Mexican lime trees: disaster to be addressed before it will be too late. ([Bulletin of Insectology- 64: 205-206](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **0.638**).**
 83. Mohammad Reza Safarnejad, Gholam Reza Salehi-Jouzani, **Meisam Tabatabaie**, Richard M Twyman, Stefan Shillber. **2011. Antibody-mediated resistance against plant pathogens. ([Biotechnology Advances](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **10.959**).**
 84. Norjan, Y., Hassan, M.A., Phang,L.Y. **Meisam Tabatabaei**, Othman, M.R., Mori, M., Wakisaka, M. , Sakai, K., and Shirai, Y. **2010. Nitrification of ammonium-rich sanitary landfill leachate. ([Waste management- 30, pp:100-109](#))- ([ISI-Scopus cited](#)). (5-Year Impact Factor: **2.801**).**
 85. Alawi Sulaiman, **Meisam Tabatabaei**, Mohd Zulkhairi Mohd Yusoff, Mohamad Faizal Ibrahim, Mohd Ali Hassan and Yoshihito Shirai. **2010. Accelerated start-up of a semi-commercial digester tank treating palm oil mill with sludge seeding for methane production. ([World Applied Science Journal- 8\(2\), pp: 247-258](#))- ([ISI-Scopus cited](#)).**
 86. **Meisam Tabatabaei**, Mohd Rafein Zakaria, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Mehdi Shamsara, Kenji Sakai and Mohd Ali Hassan . **2010. Comparative Study of Methods for Extraction and Purification of Environmental DNA from Wastewater**

- Sludge** ([African Journal of Biotechnology- 9\(31\), pp: 4926-4937](#))–(ISI-Scopus cited). **(5-Year Impact Factor: 0.794)**.
87. **Meisam Tabatabaei**, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Alawi Sulaiman, Kenji Sakai and Mohd Ali Hassan. **2010. Importance of the methanogenic archaea populations in anaerobic wastewater treatments** ([Process Biochemistry- 45\(8\), pp: 1214-1225](#))– (ISI-Scopus cited). **(5-Year Impact Factor: 3.225)**.
 88. **Meisam Tabatabaei**, Mohd Rafein Zakaria, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Kenji Sakai, Shinya Ikeno, Masatsugu Mori, Nakamura Kazunori, Alawi Sulaiman and Mohd Ali Hassan. **2009. PCR-Based DGGE and FISH Analysis of Methanogens in Anaerobic Closed Digester Tank Treating Palm Oil Mill Effluent (POME)**. ([Electronic Journal of Biotechnology, vol. 12, no. 3](#)). Available from Internet: <http://www.ejbiotechnology.cl/content/vol12/issue3/full/4/index.html>. ISSN 0717-3458.(ISI-Scopus cited)**(5-Year Impact Factor: 1.343)**
 89. Alawi Sulaiman, **Meisam Tabatabaei**, Mohd Ali Hassan, Yoshihito Shirai. **2009. The Influence of Higher Sludge Recycling Rate on Anaerobic Treatment of Palm Oil Mill Effluent in a Semi-Commercial Single Stage Digester for Renewable Energy** ([American Journal of Biochemistry and Biotechnology- 5\(1\), pp: 1-6](#)) (Scopus cited).
 90. Alawi Sulaiman, Mohd Ali Hassan, Yoshihito Shirai, Suraini Abd-Aziz, **Meisam Tabatabaei**, Zainuri Busu and Shahrakbah Yacob. **2009. The Effect of Mixing on Methane Production in a Semi-commercial Closed Digester Tank Treating Palm Oil Mill Effluent**. ([Australian Journal of Basic and Applied Sciences- 3\(3\), pp:1577-1583](#)) (ISI-Scopus cited).
 91. Azhari Samsu Baharuddin, Nakamura Kazunori, **Meisam Tabatabaei**, Suraini Abd-Aziz, Nor' Aini Abdul Rahman, Mohd Ali Hassan, Kenji Sakai and Yoshihito Shirai. **2009. Characteristics and microbial succession in co-composting of oil palm empty fruit bunch and partially treated palm oil mill effluent**. ([Open Biotechnology Journal- 3, pp: 87-95](#)) –(Scopus cited).
 92. Mohd Rafein Zakaria, **Meisam Tabatabaei**, Yoshihito Shirai, and Mohd Ali Hassan. **2009. Polyhydroxyalkanoate production from anaerobically treated palm oil mill effluent by new bacterial strain Comamonas sp. EB172** ([World Journal of Microbiology and Biotechnology- 26\(5\), pp: 767-774](#))–(ISI-Scopus cited). **(5-Year Impact Factor: 1.602)**

International Conference Proceedings and Oral Presentations:

1. **Meisam Tabatabaei**, Mohd Rafein Zakaria, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Kenji Sakai, Shinya Ikeno, Masatsugu Mori, Nakamura Kazunori, Alawi Sulaiman and Mohd Ali Hassan. **PCR-Based DGGE and FISH Analysis of Methanogens in an Anaerobic Bioreactor for Treating Palm Oil Mill Effluent**. (PB04); pp: 97. ([Annual Conference of the Association for General and Applied Microbiology \(VAAM\) 2009, Bochum, Germany](#))

2. **Meisam Tabatabaei**, Mohd Rafein Zakaria, Raha Abdul Rahim, André-Denis G. Wright, Yoshihito Shirai, Norhani Abdullah, Kenji Sakai, Shinya Ikeno, Masatsugu Mori, Nakamura Kazunori, Alawi Sulaiman and Mohd Ali Hassan. **Monitoring Methanogenic Archaea in an Anaerobic Bioreactor for Treating Palm Oil Mill Effluent Using PCR-Based DGGE and FISH Analysis.** ([Advances In Wastewater Treatment and Reuse \(AWTR\) 2009, Tehran, Iran](#))
3. Norjan, Y., Hassan, M.A, Phang,L.Y, **Tabatabaei, M**, Othman, M.R., Mori, M., Wakisaka, M., Sakai, K., Shirai, Y. **Nitrification of Stabilized Sanitary Landfill Leachate.** ([Environmental Biotechnology Conference 2009, Tokyo, Japan](#))
4. **Meisam Tabatabaei.** An Introduction to Advanced Molecular Techniques; DGGE and FISH. ([Advanced Molecular Techniques; DGGE and FISH workshop 2008, Institute of Bioscience, Universiti Putra Malaysia, Malaysia](#))
5. **Meisam Tabatabaei (Invited Speaker).** [International Congress On Bacteria & Fungi For Environmental Sustainability. \(September 15 - 17, 2010](#) Amity Institute of Microbial Technology Amity University Uttar Pradesh)
6. **Meisam Tabatabaei**, Meisam Hashemi Nejad, Mehdi Khatami far, Yaghoub Mansourpanah. **Glycerin Ultra-Purification; A key to economize Biodiesel Production.** ([Third International Symposium on Energy From Biomass and Waste. November 8 - 11 , 2010, Venice, Italy](#))
7. Mohammad Barkhi, **Meisam Tabatabaei**, Alawi Sulaiman, Sara Pourmand, Mohd Ali Hassan. **An overview on the effects of Nano-Catalysts on the combustion performance of Biodiesel.** ([Third International Symposium on Energy From Biomass and Waste. November 8 - 11 , 2010, Venice, Italy](#))
8. **Meisam Tabatabaei (Invited Speaker).** State Of Art And The Future Prospective Of Agricultural Biotechnology In Iran ([November 12, 2010, Vrije Universiteit Amsterdam, The Netherlands](#))
9. Alawi Sulaiman, Ali m. Nikbakht, Mahdi Khatamifar, **Meisam Tabatabaei** and Mohd Ali Hassan. **Modeling anaerobic process for wastewater treatment: new trends and methodologies** ([ICBEC 2010- December, 2011, Hong Kong](#))
10. Pouya Mohammadi, Ali M. Nikbakht, **Meisam Tabatabaei**, Khalil Farhadi. **Assessing Dissolution of Expanded Polystyrene in Biodiesel through UV Spectrophotometry Technique: A Kinetic Study** ([18th Iranian Seminar of Analytical Chemistry- May 18- 20, 2011, Iran](#))
11. Norjan Yusof, **Meisam Tabatabaei**, Mohd Ali Hassan, Kenji Sakai and Yoshihito Shirai **The Application of Fluorescence In Situ Hybridization (FISH) in Analyzing Nitrifiers Population in Nitrification Activated Sludge System used for High-Strength Ammonium Landfill Leachate.** ([2nd International Conference on Nitrification \(ICoN2\), July 3- 7, 2011, Berg en Dal, Nijmegen, The Netherlands](#))

12. **Meisam Tabatabaei (Invited Speaker)**. Agricultural Biotechnology Research institute of Iran (ABRII); The Leader in Agrobiotechnology in The Middle East and Central Asia. ([September 14 - 2011 University Technology Mara \(UiTM\), Malaysia](#))
13. **Meisam Tabatabaei (Invited Speaker)**. PCR-Based DGGE and *FISH* Analysis of Methanogens in an Anaerobic Bioreactor Treating Palm Oil Mill Effluent. ([September 14 - 2011 University Technology Mara \(UiTM\), Malaysia](#))
14. Ali M.Nikbakht, Hassan Ghorbani, **Meisam Tabatabaei**, Mahdi Hosseini and Poya Mohammadi. **Application of modeling techniques for prediction and optimization of biodiesel production processes** ([ICBEM 2011- September 16- 18, 2011, Singapore](#))
15. Fatemeh Rad, Afshin Mohsenifar, Meisam Tabatabaei, Mohammadreza Safarnejad, Fatemeh Sahryari, Aidin Foroutan, Mohsen Mardi, Dariosh Davodi, Mohammadhosein Fotokian. **A novel quantum dots FRET-Based biosensor for the detection of *Candidatus Phytoplasma aurantifolia*; the causative agent of witches' broom disease of lime** ([International Bio-Sensing technology Conference, October 10- 12, 2011, Amsterdam, The Netherlands](#))
16. P. Mohammadi, A. M.Nikbakht, **M. Tabatabaei**, Kh. Farhadi, **H. Ghorbani** and M. Hosseini. **Evaluation of Diesel Engine Performance and Emission Using Blends of Diesel-Biodiesel-Polymer.**([7th International Conference on Internal combustion Engines, November 14-16, 2011 – Tehran, Iran](#))
17. Hassan Ghorbani, Ali M.Nikbakht, **Meisam Tabatabaei**, Mahdi Hosseini, Pouya Mohammadi, **Novel Modeling Techniques for Monitoring Biodiesel Production Processes** ([Proceedings of the 1st International Conference on Emerging Trends in Energy Conservation – ETEC Tehran, November 20-21, 2011- Tehran, Iran,](#))
18. M. Mahdi A. Shirazi, **Meisam Tabatabaei**, M. Javad A. Shirazi, Yaghoub Mansourpanah. **Direct contact membrane distillation for desalination: Membrane characteristics approach** ([7th International Chemical Engineering Congress & Exhibition, 21-24 November, 2011 Kish, Iran](#))
19. M. Mahdi A. Shirazi, **Meisam Tabatabaei**, M. Javad A. Shirazi, Yaghoub Mansourpanah. **Separation of ethanol-water mixtures using sweeping gas membrane distillation: Experimental approach** ([7th International Chemical Engineering Congress & Exhibition, 21-24 November, 2011 Kish, Iran](#))
20. Javani, **M. Tabatabaei**, M. Hasheminejad, K. Tahvildari, Y. Mansourpanah, M. Khatamifar and A. M. Nikbakht. **Simultaneous high quality potassium phosphate production and glycerol purification derived from waste cooking oil through step-by-step acidification process.** ([4th International Conference on Engineering for Waste and Biomass Valorisation, September 10-13, 2012 – Porto, Portugal](#))

21. P. Mohammadi, A. M. Nikbakht, **M. Tabatabaei**, Kh. Farhadi, M. Khatamifar, H. Ghorbani and M. Hosseini. **Waste Plastic-WVO Biodiesel as an Additive to Boost Diesel Fuel Properties.** ([4th International Conference on Engineering for Waste and Biomass Valorisation, September 10-13, 2012 – Porto, Portugal](#))
22. H. Safarpour, M. Reza Safarnejad, **M. Tabatabaei**, A. Mohsenifar And F. Rad. **Development of a quantum dots fret-based Nano-biosensor for efficient detection of Polymyxa betae.** ([64th International Symposium on Crop Protection, May 22, 2012, Gent, Belgium](#))
23. Alawi Sulaiman, Nasuddin Othman, Azhari Samsu Baharuddin, Mohd Noriznan Mokhtar, Meisam Tabatabaei **enhancing the halal food industry by utilizing food wastes to produce value-added bioproducts.** ([International Halal Conference \(INHAC\), September 4-5, 2012, Kuala Lumpur, Malaysia](#))
24. H. Safarpour, M. Reza Safarnejad, **M. Tabatabaei** and A. Mohsenifar. **Development of high-throughput quantum dot biosensor against Polymyxa species. 2013.** ([Proceedings of the 64th International Symposium on Crop Protection](#)). (*ISI-Scopus cited*).

Conferences/Workshops Organizer

Accomplished

Coordinator- [Advanced Molecular Techniques; DGGE and FISH workshop](#) – (August 25-28, 2008). Institute of Bioscience, Universiti Putra Malaysia, Malaysia.

Collaborator- [The Second National Workshop On the Applications of Nanotechnology In Agriculture](#) – (October 7-8, 2009). Agricultural Biotechnology Research Institute of Iran (ABRII), Iran.

Chair- [Academic Writing: A Necessity To Move From Knowledge To Fame](#) – (September 23, 2010). Agricultural Biotechnology Research Institute of Iran (ABRII), Iran.

Collaborator- [National Workshop on Application of Genomics and Metagenomics in Microbial Biotechnology](#) – (October 23-26, 2010). Agricultural Biotechnology Research Institute of Iran (ABRII), Iran.

Collaborator- [Genetics: Law, Ethics and Psychology Seminar](#) – (November 10-11, 2010) Avicenna Research Institute (ARI), Iran.

Chair- [Workshop on Advanced Technologies for Biofuels Production from Wastes](#) – (February 4-8, 2011). Agricultural Biotechnology Research Institute of Iran (ABRII), Iran.

Co-Chair- [2nd Expert Group Meeting on Bio-safety and GMO Detection](#) - (April 30-May 2, 2012). Economic Cooperation Organization (ECO) Secretariat, Tehran, Iran.

Collaborator- [8th National Biotechnology Congress and 4th National Biosafety Congress of Iran](#) – (July 6-8, 2013) Tehran University, Iran.

Scientific Chair- T [The First National Virtual Conference on Environment and Energy – \(December 21, 2013\)- Iran.](#)

Graduate Students

MSc.:

[1- Fatemeh Rad \(MSc\)- Co-supervisor \(Status: Graduated, 2010\)](#)

Thesis Title: “A novel quantum dots FRET-Based biosensor for the detection of Candidatus *Phytoplasma aurantifolia*; the causative agent of witches’ broom disease of lime”

[2- Pouya Mohammadi \(MSc\)- Supervisor \(Status: Graduated, 2010\)](#)

Thesis Title: “Investigation of Recycling Waste Plastics in Biodiesel Produced from Waste Cooking Oil”

[3- Azita Javani \(MSc\)- Co-supervisor \(Status: Graduated, 2010\)](#)

Thesis Title: Glycerin production and purification as a co-product of transesterification reaction of vegetable oils”

[4- Meisam Hasheminejad \(2-Year Training Program\)- Supervisor \(Status: Graduated 2010\)](#)

Project Title: Chemical purification of Glycerin; co-product of transesterification reaction

[5- Mehdi Hosseini \(MSc\)- Supervisor \(Status: Graduated, 2012\)](#)

Project Title: Advanced reactors for biodiesel production from agricultural wastes

[6- Sohrab Haghighi \(MSc\)- Supervisor \(Status: Graduated, 2012\)](#)

Project Title: Pretreatment of corn wastes using ionic salts for bioethanol production

[7- Amir Golafshan \(MSc\)- Supervisor \(Status: Graduated, 2012\)](#)

Project Title: Pretreatment of lignocellulosic feedstock using ionic salts for bioethanol production

[8- Navid Pourvosoughi \(MSc\)- Co-supervisor \(Status: Graduated, 2012\)](#)

Project Title: Performance and Energy assessment of biodiesel production from waste vegetable oils and plastics

[9- Hadi Rahimzadeh \(MSc\)- Supervisor \(Status: Graduated, 2013\)](#)

Project Title: Experimental Investigation of the zeolite and carbon catalysts in biodiesel production

[10- Masoomeh Hajari \(MSc\)- Co-Supervisor \(Status: Graduated, 2013\)](#)

Project Title: Enhancing biodiesel stability using nano-antioxidants

[11- Reza Azadbakht \(MSc\)- Co-Supervisor \(Status: Graduated, 2013\)](#)

[12- Shima Azizabadi Farahani \(MSc\)- Co-Supervisor \(Status: Graduated, 2013\)](#)

[13- Somayeh Satari \(MSc\)- Supervisor \(Status: Graduated, 2014\)](#)

[14- Morteza Reisi \(MSc\)- Supervisor \(Status: On-going\)](#)

[15- Afifa Nouredin \(MSc\)- Supervisor \(Status: Graduated, 2013\)](#)

[16- Rana Jaber \(MSc\)- Supervisor \(Status: Graduated, 2013\)](#)

PhD:

1- Farhad Talebi (PhD)- Co-supervisor (Status: Graduated, 2014)

2- Marzieh Akhavan (PhD)- Co-Supervisor (Status: On-going)

3- Rosa Madadi (PhD)- Supervisor (Status: On-going)

4- Benyamin Khoshnevisan (PhD)- Supervisor (Status: On-going)

5- Mohammad Ali Rajaeifar (PhD)- Supervisor (Status: On-going)

6- Hakimeh Sharafu (PhD)- Supervisor (Status: On-going)

7- Ismail Kahlifeh (PhD)- Supervisor (Status: On-going)

Teaching Experience

- Fossil Fuels, Biomass and Catalysis- Post Graduate Course- Since 2012- Lebanese University- Lebanon
- Fuel and Mining Biotechnology- Post Graduate Course- Since 2012- Tehran University- Iran
- Advanced Thesis and Journal Writing & Publication- Post Graduate Course- Since 2013- University Technology Mara (UiTM)- Malaysia
- General and Advanced Molecular Techniques- July 2007 to January 2009- University Putra Malaysia (UPM).

Member of Editorial Board of Journals

1- Editor-in-Chief, Biofuel Research Journal (www.biofueljournal.com)

2- Lead Guest Editor, BioMed Research International (<http://www.hindawi.com/journals/bmri/si/790187/cfp/>), IF: 2.77

Reviewer for Journals

1. *Biotechnology Advances* (5-Year Impact Factor: 10.959) Elsevier
2. *Biosensors & Bioelectronics* (5-Year Impact Factor: 5.480) Elsevier
3. *Bioresource Technology* (5-Year Impact Factor: 5.352) Elsevier
4. *Chemosphere* (5-Year Impact Factor: 3.762) Elsevier
5. *Journal of Membrane Science* (5-Year Impact Factor: 3.792) Elsevier
6. *World Applied Science Journal* (ISI)
7. *International Research Journal of Agricultural Sciences*
8. *Journal of Parasitology and Vector Biology*
9. *Journal of Evolutionary Biology Research*
10. *Iranian Journal of Biotechnology*
11. *African Journal of Biotechnology*
12. *Fuel and Combustion* (Iranian Combustion Institute)
13. *Journal of Petroleum Technology and Alternative Fuel*
14. *Phytopathology* (5-Year Impact Factor: 2.618) American Phytopathological Society
15. *Recent Patents on Biotechnology*
16. *Chiang Mai Journal of Science*
17. *Environmental Technology* (5-Year Impact Factor: 1.007) Taylor & Francis
18. *Journal of Environmental Management* (5-Year Impact Factor: 2.760) Elsevier
19. *Journal of Agricultural Biotechnology*
20. *Industrial & Engineering Chemistry Research* (5-Year Impact Factor: 1.007) ACS Publications
21. *Applied Energy* (5-Year Impact Factor: 3.915) Elsevier
22. *Environmental Engineering and Management Journal* (5-Year Impact Factor: 1.435)
23. *Low Carbon Economy* (Impact Factor: 0.52)
24. *Desalination and Water Treatment* (5-Year Impact Factor: 0.752) Taylor & Francis
25. *Journal of the Institute of Brewing* (5-Year Impact Factor: 0.66)
26. *Biomass and Bioenergy* (5-Year Impact Factor: 3.931)- Elsevier
27. *Applied Energy*
28. *BioResources*
29. *Brazilian Journal of Science and Technology*
30. *Carbohydrate Polymers*
31. *Chemistry and Ecology*
32. *Biofuels*
33. *Chiang Mai Journal of Science*
34. *Crystal Growth & Design*
35. *Energy*
36. *Energy Conversion and Management*
37. *Environmental Technology*
38. *Fuel Processing Technology*
39. *Fullerenes, Nanotubes and Carbon Nanostructures*
40. *Gene*
41. *Industrial & Engineering Chemistry Research* (ACS)
42. *Journal of Environmental Management*
43. *Journal of the Institute of Brewing*
44. *Membrane Science*
45. *Process Biochemistry*
46. *Renewable and Sustainable Energy Reviews*
47. *Separation and Purification*
48. *Waste and Biomass Valorization*
49. *Waste Management*