Tayebe Bagheri Lotfabad

Academic Qualifications

Ph.D., Chemical Engineering- Biotechnology, Sharif University of Technology, 2009
M.Sc. Chemical Engineering- Biotechnology, Sharif University of Technology, 2001
B.Sc. Chemical Engineering-Petroleum Refining, Tehran University, 1996

Phone: 98-21-44787321
Email: bagheril@nigeb.ac.ir
bagheril@yahoo.com
bagheril@alum.sharif.edu

Research activities

- **PI for project:** "Investigating the reduction of the vinasse color (a residue from the alcohol industry) through the microbial method and chemical oxidation employing hydrogen peroxide"; Grant number: 020421-I-830; 2023
- **PI for project:** "Monitoring and identification of the potential threats of heavy metals in supply resources (rivers Karun and Dez) and drinking water from water treatment plants of Ahvaz city No. 1, 2, 3, 4, and 5"; Grant number: 011215-IV-826; 2023
- **PI for project:** "The effect of activated carbon on anaerobic removal-rate of azo dye carmoisine from aqueous medium and study on mechanism of dye removal process"; Grant number: 970709-I-761; 2020
- **PI for project:** "A pattern for enzymatic production of peptone (hydrolyzed protein) from animal source with applicability in culture medium of index bacteria"; Grant number: 115T; 2020
- **PI for project:** "Evaluation of carmoisine removal process in saline medium using a carmoisine-degrading bacteria"; Grant number: 980720-I-733; 2019
- **PI for project:** "Evaluation of microbial attached-growth process for reduction of edible synthetic dye Carmoisine"; Grant number: 961209-I-652; 2018
- **PI for project:** "Study on the cytotoxic and anticancer effects of the aqueous solutions of microbial rhamnolipid on the MCF-7 breast cancer cell line"; Grant number: 2403 (951221-IV-665); 2017
- **PI for project:** "Study on performance of *S. cerevisiae* on removal of food azo dye in simplified culture medium**";** Grant number: 951013-I-596; 2017
- **Co-PI_ for:** "Biotabilization of soil with the objective of controlling fine dust on a pilot scale"; Grant number: 103T; 2016
- **PI for project:** "Evaluation of anaerobic expanded immobilized microbial bed reactor for biodecolorization of azo dye methyl red from aqueous medium"; Grant number: 940911-I-538; 2015
- **PI for project:** "Study on biosurfactant production from soybean oil refinery wastes at fermenter scale"; Grant number: 91003071 (911027-III-465); 2013
- **PI for project:** "Rhamnolipid Biosynthesis Using Vegetable Oil Refinery Waste"**;** Grant number: 430; 2012

Teaching activities

- Graduate courses:

  "Environmental Biotechnology"
  "Air pollution control"
  "Pollution and treatment of fluids"
  "Principals of Bioreactor Design"
  "Engineering mathematics"
  "Enzyme technology"

- Undergraduate courses:

  "Chemical Kinetics and Reactor Design"
  "Material and Energy Balances"
  "Mass transfer"
  "Processes Control"

Journal Publications

- H. Abdollahi Haghi, N. Rezaei, **T. Bagheri Lotfabad**, A. Heydarinasab, S. Yaghmaei (2023) Investigation of the Effect of Calcination Temperature on the Properties of Titanium Dioxide Nanoparticles and Kinetic Evaluation of the Adsorption Process of Zinc (II) Ions from Aqueous Solution by them, ***Iranian Journal of Ceramic Science & Engineering***, 11(4), 19-34. **(Persian)**
- N. Rezaee, P. Hasanvand, **T. Bagheri Lotfabad**, A. Heydarinasab, M. Khodabandeh, S. Yaghmaei (2022) Study on the use of bovine blood protein hydrolysate as a peptone in microbial culture media, ***Preparative Biochemistry & Biotechnology***, 53(6), 622-633.
- M. Karimzadeh, **T. Bagheri Lotfabad**, A. Heydarinasab, S. Yaghmaei (2022) Biodecolourization of Azo dye under extreme environmental conditions via *Klebsiella quasipneumoniae* GT7: Mechanism and Efficiency, ***Journal of Environmental Health and Sustainable Development***, 7(2), 1660-1675.
- D. Poorasadollah, **T. Bagheri Lotfabad**, A. Heydarinasab, S. Yaghmaei, F. Aziz Mohseni (2022) Biological activated carbon process for biotransformation of azo dye Carmoisine by *Klebsiella* spp., ***Environmental Technology***, 43(18), 2713-2729.
- F. Darbandi, A. Mousavi, **T. Bagheri Lotfabad**, A. Heydarinasab, S. Yaghmaei (2021) Azo dye removal via surfactant-assisted polyvinylidene fluoride membrane, ***Environmental Health Engineering and Management Journal***, 8 (1), 25-32.
- T. Bagheri, K. Rahimi, **T. Bagheri Lotfabad** (2020) Effects of cream containing rhamnolipid microbial surfactants from *Pseudomonas aeruginosa* MR01 on growth inhibition of *Staphylococcus aureus*, ***Journal*** of ***Mazandaran University*** of ***Medical Sciences*****,** 30(184), 14-27**. (Persian)**

- Z. Madadi, M. Soltanieh, **T. Bagheri Lotfabad**, B. Sohrabi Nazari (2020) Green Synthesis of Titanium Dioxide Nanoparticles with *Glycyrrhizaglabra* and their Photocatalytic Activity, ***Asian Journal of Green Chemistry***, 4, 256-268.
- Z. Kiayi, **T. Bagheri Lotfabad**, A. Heidarinasab, F. Shahcheraghi (2019) Microbial degradation of azo dye carmoisine in aqueous medium using *Saccharomyces cerevisiae* ATCC 9763, ***Journal of Hazardous Materials***, 373, 608–619.
- K. Rahimi, **T. Bagheri Lotfabad**, F. Jabeen, S. Mohammad Ganji (2019) Cytotoxic effects of mono- and di-rhamnolipids from *Pseudomonas aeruginosa* MR01 on MCF-7 human breast cancer cells, Colloids and Surfaces B: Biointerfaces, 181, 943-952.
- A. Hajizadeh, **T. Bagheri Lotfabad**, M. Bahmaei (2019) Assessment of aqueous extract of *Gypsophila aretioides* for inhibitory effects on calcium carbonate formation, ***Green Process Synthesis***, 8, 464–473.
- R. Tavananejad, **T. Bagheri Lotfabad** (2018) Investigating the effect of guar gum on the rheological behavior of oil-in-water emulsions in the presence of soy lecithin, ***Research in chemistry and chemical engineering***, 13, 40-47. **(Persian)**
- R. Moosazadeh, F. Tabandeh, F. Kalantary, N. Ganjian, H. Fallah, **T. Bagheri Lotfabad**, F. Yazdian (2018) Mitigation of the liquefaction potential of soil by Ca-carbonate precipitation induced by indigenous urease-producing *Staphylococcus* sp. IR-103, ***International Journal of Environmental Science and Technology***, 16(7), 3657-3666.
- S. Vatandoostarani, **T. Bagheri Lotfabad**, A. Heidarinasab, N. Ebadipour, S. Yaghmaei (2018) Integrated system of multiple batches to evaluate the continuous performance of microbial cells in decolourization processes, ***Journal of Environmental Chemical Engineering***, 6, 728–735.
- S. Vatandoostarani, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei (2017) Degradation of azo dye methyl red by *Saccharomyces cerevisiae* ATCC 9763, ***International Biodeterioration & Biodegradation***, 125, 62-72.
- **T. Bagheri Lotfabad**, N. Ebadipour, R. Roostaazad, M. Partovi, M. Bahmaei (2017) Two schemes for production of biosurfactant from *Pseudomonas aeruginosa* MR01: Applying residues from soybean oil industry andsilica sol–gel immobilized cells, ***Colloids and Surfaces B: Biointerfaces*** , 152, 159–168.
- H. Soltaninejad, **T. Bagheri Lotfabad** and S. Yaghmaei (2016) Enhanced Soil Remediation via Plant-Based Surfactant Compounds from *Acanthophyllum Laxiusculum*, ***Tenside Surf. Det*** , 53 (4), 324-331.
- E. Ghalei, **T.Bagheri Lotfabad**, A.Heidarinasab, S. Yaghmaei (2016) Synthesis and Characterization of New Magnetic Catalyst for Azo dyes Decolorization, ***Croizatia***, 93 (3), 149-156.
- Z. Madadi, **T. Bagheri Lotfabad** (2016) Aqueous Extract of *Acanthophyllum Laxiusculum* Roots as a Renewable Resource for Green Synthesis of Nano-sized Titanium Dioxide Using the Sol - gel method. **Advanced Ceramics Progress**, 2(1), 26-31**.**
- H. Soltaninejad, Z. Madadi, **T. Bagheri Lotfabad**, A. Pirani, N. Ebadipour (2016) Physico-chemical features of aqueous extract of *Acanthophyllum laxiusculum* roots from natural steppe habitats of Iran: evaluating surface activity

and thermal behavior of partially purified extract, Iranian Chemical Communication, Vol. 4.

- **T. Bagheri Lotfabad**, N. Ebadipour, R. RoostaAzad (2016) The Evaluation of a Recycling Bioreactor for Biosurfactant Production by *Pseudomonas aeruginosa* MR01 using Soybean Oil Waste. ***Journal of Chemical Technology & Biotechnology***, 91, 1368–1377.
- A. Aslani, **T. Bagheri Lotfabad**, H. Attar, A. Vaziri (2015) Assessing the efficacy of *Acanthophyllum laxiusculum* plant extract for synthesizing silica nanoparticles through Stöber's sol-gel method, ***Iranian Journal of Ceramic Science & Engineering***, 4(3), 45-56. **(Persian)**
- D. Pertuit, **T. Bagheri Lotfabad**, A.-C. Mitaine-Offer, T. Miyamoto, C. Tanaka, and M.-A. Lacaille-Dubois (2015) Two New Triterpene Saponins from *Acanthophyllum laxiusculum*, ***Helvetica Chimica Acta***, 98, 611-617.
- N. Ebadipour, **T. Bagheri Lotfabad**, S. Yaghmaeia & R. RoostaAzad (2015) Optimization of Low-Cost Biosurfactant Production From Agricultural Residues through the Response Surface Methodology, ***Preparative Biochemistry and Biotechnology***, 46 (1), 30-8.
- **T. Bagheri Lotfabad**, M. Partovi, M. Bahmaei (2013) Production of rhamnolipid biosurfactant by *Pseudomonas aeruginosa* MR01 using waste from vegetable oil processing, ***New Cellular & Molecular Biotechnology Journal,*** 3(9), 91-99. **(Persian)**
- M. Partovi, **T. Bagheri Lotfabad**, R. Roostaazad, M. Bahmaei, S. Tayyebi (2013) Management of soybean oil refinery wastes through recycling them for producing biosurfactant using *Pseudomonas aeruginosa* MR01, ***World Journal of Microbiology and Biotechnology***, 29, 1039-1047.
- S. Tayyebi, **T. Bagheri Lotfabad**, R. Roostaazad (2013) Applying Neural Network to Dynamic Modeling of Biosurfactant Production Using Soybean Oil Refinery Wastes, ***Iranica Journal of Energy & Environment***, 4(2), 161-170.
- **T. Bagheri Lotfabad,** S. Tayyebi, R. Roostaazad (2013) Kinetic Measurements for *Pseudomonas aeruginosa* MR01 During Biosurfactant Production in Two-phase System and Developing a Double-Exponential Model for Viable Cell Profile, ***World Applied Sciences Journal***, 22(6), 809-816.
- **T. Bagheri Lotfabad**, F. Shahcheraghi, F. Shooraj (2013) Assessment of Antibacterial Capability of Rhamnolipids Produced by Two Indigenous *Pseudomonas aeruginosa* Strains, ***Jundishapur Journal of Microbiology***, 6(1), 29-35.
- H. Abbasi, M. M. Hamedi, **T. Bagheri Lotfabad**, H. S. Zahiri, H. Sharafi, F. Masoomi, A. A. Moosavi-Movahedi, A. Ortiz, M. Amanlou, K. A. Noghabi (2012) Biosurfactant-producing bacterium, *Pseudomonas aeruginosa* MA01 isolated from spoiled apples: Physicochemical and structural characteristics of isolated biosurfactant, ***Journal of Bioscience and Bioengineering*****,** 113(2),211-219.

- N. Masoudzadeh, F. Zakeri, **T. Bagheri Lotfabad**, H. Sharafi, F. Masoomi, H. S. Zahiri, G. Ahmadian, K. A. Noghabi (2011) Biosorption of cadmium by *Brevundimonas* sp. ZF12 strain, a novel biosorbent isolated from hot-spring waters in high background radiation areas, ***Journal of Hazardous Materials,*** 197,190-198.
- M. R. Adelzadeh, R. Roostaazad, M. R. Kamali, **T. Bagheri Lotfabad** (2010) A Technical Feasibility Analysis to Apply *Pseudomonas aeroginosa* MR01 Biosurfactant in Microbial Enhanced Oil Recovery of Low-Permeability Carbonate Reservoirs of Iran, ***Scientia Iranica, Transactions C: Chemistry and Chemical Engineering,*** 17(1), 46-54**.**
- **T. Bagheri Lotfabad**, H. Abassi, R. Ahmadkhaniha, R. Roostaazad , F. Masoomi, H. S. Zahiri, G. Ahmadian, H. Vali**,** K. A. Noghabi (2010) Structural Characterization of a Rhamnolipid- type Biosurfactant Produced by *Pseudomonas aeruginosa* MR01: Enhancement of di-rhamnolipid magnitude using Gamma Irradiation, ***Colloids and Surfaces B: Biointerfaces,*** 81, 397-405.
- M. Shourian, K. A. Noghabi, H. S.i Zahiri, **T. Bagheri Lotfabad**, G. Karballaei, M. Mollaei, I. Rad, S. Ahadi, J. Raheb, H. Abbasi (2009) Efficient phenol degradation by a newly characterized *Pseudomonas* sp. SA01 isolated from pharmaceutical wastewaters, ***Desalination,*** 246 (1-3), 577-594.
- **T. Bagheri Lotfabad**, M. Shourian, R. Roostaazad, A. R. Najafabadi, M. R. Adelzadeh, K. A. Noghabi (2009) An efficient biosurfactant-producing bacterium *Pseudomonas aeruginosa* MR01, isolated from oil excavation areas in south of Iran, ***Colloids and Surfaces B: Biointerfaces,*** 69 (2),183–193.
- S. Afshar, **T. Bagheri Lotfabad**, R. Roostaazad, A. R. Najafabadi, K. A. Noghabi (2008) Comparative approach for detection of biosurfactant-producing bacteria isolated from Ahvaz petroleum excavation areas in south of Iran, ***Annals of Microbiology***, 58 (3) 79-83. (**Co-first author**)
- **T. Bagheri Lotfabad**, R. Roostaazad (2004) Immobilization of *Rhizomucor miehei* Lipase on High Density Polyethylene, ***Iranian Journal of Chemical Engineering***, 1 (2), 29-37.

Patents

- The process of biosynthesis of surface active agents by indigenous bacteria of *Pseudomonas aeruginosa* MR01 using the vegetable oil refinery wastes, *Inventor:* **T. Bagheri Lotfabad**, *Owner:* National Institute of Genetic Engineering and Biotechnology, Iranian Patent, **2013**.
- Application of aqueous extract of *Acanthophyllum* for the production of Nano-sized Titanium Dioxide Using the Sol - gel method, *Inventors:* **T. Bagheri Lotfabad** and Z. Madadi, *Owner:* National Institute of Genetic Engineering and Biotechnology, Iranian Patent, **2014**.

- Production Process of Microbial Mulch, *Inventors:* F. Tabandeh, **T. Bagheri Lotfabad**, *Owners*: National Institute of Genetic Engineering and Biotechnology, **T. Bagheri Lotfabad**, F. Tabandeh, Zist Farayand Pars Co., Iranian Patent, **2017**.

- Developing a flash freezing process for synthesizing the magnetic nanofiber network of hematite (α-Fe_2O_3), *Inventors:* **T.Bagheri Lotfabad**, A.Heidarinasab, E. Ghalei, M. R. Esmaielpour, S. Vatandoostarani, *Owner:* **T. Bagheri Lotfabad**, Iranian Patent, **2017**.

Books

- **T. Bagheri Lotfabad**, M. Mohammadi, Translation of "Basic principles and calculations in chemical engineering-8th ed; by David M. Himmelblau, James B. Riggs" in Farsi; Second edition, 2018.

- **T. Bagheri Lotfabad**, K. R. Ashtari, Solution Manual for "Basic principles and calculations in chemical engineering-8th ed; by David M. Himmelblau, James B. Riggs", in Farsi; First edition, 2018.

International conferences

- N. Rezaee, **T. Bagheri Lotfabad**, M. Khodabandeh Shahraki, P. Hasanvand, The use of cow spleen as one of the meat production wastes in the preparation of protein hydrolysate for use as a nitrogen source in the growth medium of bacteria, Instruction for the 4th International and 29th Iranian Congress on Food Science and Technology congress, 2023, 2nd-3rd May, Iranian Research Organization for Science and Technology (IROST), Tehran, Iran.

- P. Hasanvand, T. Bagheri Lotfabad, Biotransformation of azo dye sunset yellow by *Klebsiella* spp., 12th national and 4th international Biotechnology Congress of the Islamic Republic of Iran, **2021**, 22nd-24th August (online), Organized by the Iranian Biotechnology Society, Tehran, Iran.

- M. Shayestehvar, D. Poorasadollah, F.Sabbaghiyan, **T. Bagheri Lotfabad**, A. Heydarinasab, S. Yaghmaei, Comparison of Zeolite and Activated carbon as the bacterial media in biodecolorization of Azo dye, The Second International Conference on Applications of Advanced Technologies (ICAAT2), **2021**, 27th - 28th January, University of Mohaghegh Ardabili, Namin, Ardabil, Iran.

- S. Vatandoostarani, **T. Bagheri Lotfabad**, A. Heidarinasab, N; Ebadipour, S. Yaghmaei, Evaluation of encapsulated *Saccharomyces cerevisiae* ATCC 9763 for methyl red degradation, 5th International conference on applied research in chemistry and chemical engineering focusing on local technologies, **2018**, 13th September, Kharazmi university, Tehran, Iran.

- E. Ghalei, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, The integration of nano-catalyst in the advanced oxidation process for removal of azo dye methyl red, The 3rd international Conference on Environmental Engineering, **2017**, 11th March, Tehran, Iran.
- S. M. Askari, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, Investigation of removal of a single ring aromatic amine from synthetic wastewater by using the indigenous yeast strain of *Rhodotorula mucilaginosa,* The 3rd international Conference on Environmental Engineering, **2017**, 11th March, Tehran, Iran.
- F. Tabandeh, **T. Bagheri Lotfabad**, H. Fallah, A. Kazemi, Effect of calcite precipitation induced by *Sporosarcina pasteurii* PTCC1645 on decreasing the soil liquefaction through the injecting method, The 3rd international Conference on Environmental Engineering, **2017**, 11th March, Tehran, Iran.
- H. Fallah, F. Tabandeh, **T. Bagheri**, M. Shayesteh, Comparison of growth and urease activity for *sporoscarcina pasteurii* and *staphylococcus pasteurii*,The 16th International and Iranian Congress of Microbiology, **2015**, August 25-27, Shahid Beheshti International conference center-University, Tehran, Iran.
- A. Aslani, **T. Bagheri Lotfabad**, H. Attar, A. Vaziri, Synthesis of Silicium Dioxide Nanoparticles by the Sol-Gel Method using the natural surfactant, The 5th International Congress on Nanoscience & Nanotechnology (**ICNN2014**), **2014**, October 22-24, Tehran, Iran.
- Z. Madadi, **T. Bagheri Lotfabad**, M. Soltanieh, B. Sohrabi, Synthesis of Titanium Dioxide, Nanoparticles by the Sol-Gel Method using the natural surfactant, The 8th International Chemical Engineering Congress and Exhibition **(IChEC 2014)**, **2014**, February 24-27, Kish, Iran.
- N. Ebadipour, **T. Bagheri Lotfabad**, S. Yaghmaee, R. Roostaazad, Biotreatment of corn steep liquor by a bioprocess for biosurfactant production, The 8th International Chemical Engineering Congress and Exhibition **(IChEC 2014)**, **2014**, February 24-27, Kish, Iran.
- H. Soltaninejad, **T. Bagheri Lotfabad**, S. Yaghmaei, Application of the plant-derived surfactants to remediate PAHs contaminated soils, The 8th International Chemical Engineering Congress and Exhibition **(IChEC 2014), 2014**, February 24-27, Kish, Iran.
- **T. Bagheri Lotfabad,** S. Tayebi, A. Bodagh, Empirical modelling of batch fermentation kinetics for rhamnolipid production by *pseudomonas aeruginosa* MR01, *Colloids* and Nanomedicine 2012, July 15-17, **2012**, Amesterdam, Netherland.
- **T. B. Lofabad**, M. Partovi, M. Bahmaei, Application of vegetable oil refinery soapstock to rhamnolpid biosurfactant manufacturing, The 13th Iranian and The second International Congress of Microbiology, July 14-16, **2012**, Ardebil, Iran.

- **T. Bagheri Lotfabad**, F. Masoumi, R. Roostaazad, A. Saidi, K. Akbari Noghabi, An efficient biosurfactant-producing bacterium *Pseudomonas aeruginosa* MR01, isolated from oil excavation areas in south of Iran, 14th European congress on biotechnology, 13-16 September, **2009**, Barcelona, Spain, (***New Biotechnology***, 25, Supplement 1, September **2009**, Page S80).

National conferences

- F. Sabaghiyan, M. Shayesteh Var, T. Bagheri Lotfabad, A. Heydarinasab, S. Yaghmaei, Microbial removal of azo dye carmosine using bacteria grown on porous beds3rd Iran Water and Wastewater Science and Engineering Congress,**2020**, 24th -26th November, Shiraz University, Shiraz, Iran.
- M. Esmaielpour, T. Bagheri Lotfabad , A. Heydarinasab3, S. Yaghmaei, Synthesis of nanoscale alpha hematite through the flash-freezing method for photocatalytic removal of azo dye Carmosine, 3rd Iran Water and Wastewater Science and Engineering Congress, **2020**, 24th -26th November, Shiraz University, Shiraz, Iran.
- S. Shafigheh Shafaee, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, Evaluation of the capability of indigenous isolates to remove the azo dye methyl red from dye-containing medium, The 6th National Congress on Applied Research in Chemistry and Chemical Engineering; Emphasis on Iran's national technology, **2020**, 20th January, Shahid Beheshti University, Tehran, Iran.
- H. Ghods, A. Heydarinasab, **T. Bagheri Lotfabad**, Simulation Of Biooil Microalgae Conversion To Biodiesel Using Aspen Software, the 11th International Chemical Engineering Congress & Exhibition (IChEC 2020), **2020**, 15th - 17th of April, Fouman Faculty of Engineering, Fouman, Guilan, Iran.
- H. Ghods, A. Heydarinasab, **T. Bagheri Lotfabad**, Simulation and Optimization on Gasification Process for Hydrogen (H2) Fuel Production by Microalgae Biomass, the 11th International Chemical Engineering Congress & Exhibition (IChEC 2020), **2020**, 15th - 17th of April, Fouman Faculty of Engineering, Fouman, Guilan, Iran.
- M. Asgharnejad, **T. Bagheri Lotfabad**, A. Heidarinasab, A. Hemmati, Modeling of dispersion of toxic gases from flairs and boilers of Ramshir desalination unit by using two softwares PHAST and AERMOD, and comparing among the achievements, Iranian National congress of chemical engineering, **2019**, 19th – 21st January, Amirkabir university of technology, Tehran, Iran.
- Y. Jafari, F. Tabandeh, S. Aminzadeh, **T. Bagheri Lotfabad**, Study on urease localization produced by Staphylococcus sp. IR-103 and its time profile of urease activity in various culture media, 2nd International and 10th National

Biotechnology congress of Islamic Republic of Iran, **2017**, 29th – 30th August, Seed and plant Improvement institute, Karaj, Iran.

- S. Shafigheh Shafaee, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, Biological removal of methyl red azo dye through the indigenous yeast strain of *Rhodotorula mucilaginosa*, The 3rd National Conference of Applied Microbiology, **2017**, 24th May, Faculty of Sciences, University of Mazandaran, Babolsar, Iran.
- F. Tabandeh, **T. Bagheri Lotfabad**, A. Kazemi, Optimization of biological soil stabilization process to control the dust by using the design of experiment via Taguchi method, The first conference of the Salt Lake Crisis and the Phenomenon of Dust in the Central Basin of Iran, **2017**, April 26-27, University of Qom, Qom, Iran.
- E. Ghalei, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, Removal of azo dye Methyl red from aqueous medium by using the magnetic nano catalyst, Iran water and wastewater Science Engineering congress, **2017**, Feburary 14-15, Tehran, Iran.
- A. Hajizadeh, **T. Bagheri Lotfabad**, M. Bahmaei, Evaluation of the performance of aqueous extract of *Gypsophila* as a biocompatible scale inhibitor for calcium carbonate, Iran water and wastewater Science Engineering congress, **2017**, Feburary 14-15, Tehran, Iran.
- T. Abedzadehgan. A. Hemmati, **T. Bagheri Lotfabad**, Investigation and comparison of energy recovery processes from urban sewage sludge, Iran water and wastewater Science Engineering congress, **2017**, Feburary 14-15, Tehran, Iran.
- S.Vatandoostarani, **T. Bagheri Lotfabad**, A. Heidarinasab, S. Yaghmaei, Study on biological degradation of azo dye Methyl red by using the *Saccharomyces cerevisiae*, The 8th National Conference & Exhibition on Environmental Engineering, **2016**, November 7-8, Tehran, Iran.
- Z. Madadi, **T. Bagheri Lotfabad**, M. Soltanieh, B. Sohrabi, Titanium Dioxide manufacturing in presence of natural surface active agents by using the Sol-Gel technique, The fifteenth conference for nanotechnology graduate students, **2014**, April 24-25, Tehran, Iran.
- N. Ebadipour, **T. Bagheri Lotfabad,** Challenges in the use of probiotic products, The 2nd National Food Safety Specialist Congress, November 25-26, **2013**, Tehran, Iran.
- N. Ebadipour, **T. Bagheri Lotfabad,** S.Yaghmaee, R.Roosta Azad Bioprocessing of agro – industrial waste corn steep liquor, The 6th Symposium on Losses of Agricultural Products, November 20, **2013**, Tehran, Iran.

- Z. Madadi, **T. Bagheri Lotfabad,** M. Soltanieh, B. Sohrabi*, Synthesis of Titanium Dioxide Nanoparticles using the Bio-Sol-Gel Method, The 3rd National conference on application of chemistry in novel technologies,* November 7, **2013**, Isfahan, Iran.
- H. Soltaninejad**, T. Bagheri Lotfabad,** S.Yaghmaei, Remediation of PAHs contaminated soils using saponin, The 2nd National Conference on Planning and Environmental Protection, August 15, **2013**, Hamedan, Iran.
- **T. Bagheri Lotfabad,** R. Roostaazad, S. Tayyebi, Evaluation of MR01 rhamnolipid biosurfactant capability for enhanced oil recovery in carbonate reservoirs, 14th Iranian National Congress of Chemical Engineering, October 16-18, **2012**, Tehran, Iran.
- **T. Bagheri Lotfabad,** R. Roostaazad, Structural characterization of the biosurfactant produced by *Pseudomonas aeruginosa* MR01, The 3rd Surfactant and Detergent Technology conference, October 10-11, **2012**, Tehran, Iran.
- **T. Bagheri Lotfabad,** R. Roostaazad, Comparison of screening approaches for detection of biosurfactant-producing bacteria**,** The 3rd Surfactant and Detergent Technology conference, October 10-11, **2012***,* Tehran, Iran.
- **T. B. Lofabad**, R. Roostaazad, M. Partovi, Production of natural surfactants, *14th Iranian Inorganic Chemistry Conference*, August 28–29, **2012**, Tehran, Iran.
- **T. Bagheri Lotfabad**, M. Partovi, M. Bahmaei, Rhamnolipid biosurfactant production by *Pseudomonas aeruginosa* MR01 using vegetable oil refinery wastes, The first national conference on new cellular and molecular biotechnology, May 16-17, **2012**, Tehran, Iran.
- **T. Bagheri Lotfabad**, M. Partovi, K. A. Noghabi, A. Bodagh, Application of vegetable oil processing wastes for production of rhamnolipid biosurfactant, The 17th National and regional conference of the Iranian society of environmentalists and 7th Green development festival, February 29-31, **2012***,* Tehran, Iran.
- **T. Bagheri Lotfabad**, H. Sharafi, K.A. Noghabi, A. Bodagh, M. Partovi, Isolation of probiotic bacteria from yogurt to use in dairy industries, The *20th National food science and industries congress chemical and petroleum engineering Sharif University of Technology*, November 22-24, **2011**, Tehran, Iran.
- **T. Bagheri Lotfabad**, A. Bodagh, S.M.A. Marashi, K. A. Noghabi, Application of whey protein concentrate in low fat salad sauces, The *20th National food science and industries congress chemical and petroleum engineering Sharif University of Technology*, November 22-24, **2011**, Tehran, Iran.