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Citations (Scopus):

1498

Supervised MSc Theses

#	Thesis title	By	Date
1	saline wastewater treatment a bubble column reactor in using aerobic granular sludge	Zohreh Azami & Farzaneh Vahabzadeh	February 2020
2	study on depollution of surface active agent present synthetic wastewater with aerobic granules using an bubble column reactor	Mohabat Faraj Zadeh & Farzaneh Vahabzadeh	February 2020
3	study on hydrolysis of hemicellulosic fraction of corncob using <i>Trichoderma reesei</i> as the xylanase and acetyl xylan esterase producer	Mehrnoosh Azami Pilehroud & Farzaneh Vahabzadeh	September 2019
4	Study on bio surfactant production from olive mill waste water by LAB	Mohammad Rouhi & Farzaneh Vahabzadeh	July 2019
5	study on role of aerobic granular sludge formed in an airlift reactor for pollutant removal using petroleum	Maryam Nasresfahani & Farzaneh Vahabzadeh	October 2018
6	Study on double emulsion (w/o/w) preparation for micro capsulation of lacto bacillus case subs. casei	Kamiar Forootan & Farzaneh Vahabzadeh	February 2018
7	Study on role of microbial fuel cell in depollution of olive oil processing waste water	Reza Daneshvar & Farzaneh Vahabzadeh	January 2018
8	Study on use of microbial electrolysis cell in biodegradation of synthetic wastewater containing phenol and paranitrophenol	Maryam Samsami & Farzaneh Vahabzadeh	January 2018
9	Study on synthetic type of wastewater from pulp and paper industry: effect of acetyl xylan est erase produced on xylan bio degradation by <i>Trichoderma reesei</i>	Akram Khalajioliaei & Farzaneh Vahabzadeh	December 2017

10	Use of amber lite in separation of enzymatic ally produced?-CD in an airlift bioreactor with net draft tube: study on?-CD role as an emulsifier	Homa Abbasi & Farzaneh Vahabzadeh	November 2017
11	Removal of aromatics using two- chambered microbial fuel cell	Melika Pourmirjafary Firuzabady & Farzaneh Vahabzadeh	January 2017
12	Biocatalytic synthesis of octyl oleate ester using Rhizopus oryzae in a batch reactor	Shiva Aminian & Farzaneh Vahabzadeh	October 2016
13	Microbial production of lactic acid using Rhizopusoryzae in a packed-bed air-lift reactor with net draft tube	Baiza Mahdiar Roudsari & Farzaneh Vahabzadeh	October 2016
14	Design and application of single chamber microbial electolysis cell in phenol biodegradation	Arshia Arasteh Kani & Farzaneh Vahabzadeh	February 2016
15	Enzymatic production of B-cyclodextrin by chitosan beads entrapped Bacillus sp.DSM2523 using fluidized bed bioreactor	Hanieh Mohammad Gholizadeh & Farzaneh Vahabzadeh	December 2015
16	Enzymatic synthesis of the fatty acid esters using fungal lipase	Shabnam Shahhoseyni & Farzaneh Vahabzadeh	October 2015
17	Study on cometabolic Degradation of Para Nitrophenol by Ralstonia Eutropha in Presence of Phenol Using Airlift Reactor with Net Draft Tube	Saba Ranjbar & Farzaneh Vahabzadeh	September 2015
18	Use of Bacillus as a producer in prodution of Cycloglucano transferase in an airlift reactor with net draft tubes	Seyed Habib Amirshakarami & Farzaneh Vahabzadeh	September 2015
19	Study on kinetics of PNP on phenol by Ralstonia eutropha in kissiris-immobilized cell bioreactor	Navid Etebari Alamdari & Farzaneh Vahabzadeh	February 2015
20	Study on microalgae-bacteria system in biodegradation of phenol	Seyed Sajad Rezvani & Farzaneh Vahabzadeh	February 2015
21	Ferrous sulfate liposomes: prepration, characterization and study on kinetic modeling	Negin Ziayee & Farzaneh Vahabzadeh	October 2014
22	Application of microbial fuel cell in phenol degredation	Mahboobeh Bagheri & Farzaneh Vahabzadeh	October 2014
23	Molecular Simulation of Peptide Dendrimer Nanostructures in Drug Delivery Systems	Maryam Lotfizadeh & Farzaneh Vahabzadeh	June 2014
24	Use of Rhizopus oryza for lipase production and synthesis of cinnamyl laurate ester	Hoda Khesali Aghtaie & Farzaneh Vahabzadeh	October 2013
25	:Enzymatic production of biodiesel using a fungal cell system	Samaneh Sattari & Farzaneh Vahabzadeh	October 2013
26	Production of biosurfactant using Bacillus Mojavensis (PTCC 1696) and study on its antimicrobial prperty	Masoud Mohammadi & Farzaneh Vahabzadeh	October 2013
27	design and operation of microbial fuel cell-study on use of solar energy	Seyedeh Mahsa Mofidi & Farzaneh Vahabzadeh	November 2012
28	Use of packed bed bioreactor to study cometabolic degradation of PNP by Ca-alginate-immobilized Ralstonia eutropha	Mahdi Motamedi & Farzaneh Vahabzadeh	October 2012
29	Study of degradation of paranitrophenol using photocatalytic process	Masoumeh Heibati & Farzaneh Vahabzadeh	October 2012
30	Cometabolic degradation of PNP by Kissiris-immobilized Ralstonia eutropha in a packed bed bioreactor	Mohammad Maleki & Farzaneh Vahabzadeh	October 2012

31	Production of microbial cellulose	Siyamak Pakdel & Farzaneh Vahabzadeh	October 2012
32	liposome application in microcapsulation	Sorosh Atlasbaf & Farzaneh Vahabzadeh	February 2012
33	Biodiesel production using Rhizopus species	Arash Arabmarkade & Farzaneh Vahabzadeh	October 2011
34	Microencapsulation of probiotic bacteria with use of biopolymers	Parisa Eslami & Farzaneh Vahabzadeh	October 2011
35	study on microbial sources for extraction of lipase and enzymatic production of biodiesel	Farnaz Goudarzi & Farzaneh Vahabzadeh	October 2011
36	Performance of kissiris-immobilized Rastonia eutropha in bio-oxidative degradation of p-nitrophenol in packed bed bioreactor (PBR	Hajar Jamshidian Teharani & Farzaneh Vahabzadeh	February 2011
37	Oxidative degradation of Syringic acid (aphenoli derivative) by Kissiris-immobilized Ralstonia europha in packed-bed bioreactor (PBR	Arvin Nickzad & Farzaneh Vahabzadeh	February 2011
38	Study on multiple emulsion W/O/W containing iron salt and its application to flour fortification	Mozhgan Keyvani & Farzaneh Vahabzadeh	October 2010
39	the use of tea for the leat for the of fungal peroxidase	Faraz Salimi Moghadam & Farzaneh Vahabzadeh	July 2010
40	lipophilic starch with use of iranian rice starch & it application	Shayesteh Rezakhoo & Farzaneh Vahabzadeh	January 2010
41	biodegradation and phenolics removal of olive oil mill wastewater by ralstonia eutropha	Elham Jalilnejad & Farzaneh Vahabzadeh	October 2009
42	Biodegradation of n-Hexadecane using white rot fungus phanerochaete chrysosporium	Babak Sadat Ashkoor & Farzaneh Vahabzadeh	August 2009
43	Study of photocatalytic degradation of Phenolic compound using immobilized TiO2	Sadra Souzanchi & Farzaneh Vahabzadeh	July 2009
44	Microencapsulation of vanilling: oil-in- water(O/W) emulsion study	Somayeh Izadfar & Farzaneh Vahabzadeh	January 2009
45	Xylitol production from sugarcane bagasse using pichia guilliermondii	Maryam Pazireh & Farzaneh Vahabzadeh	December 2008
46	antioxidant activity of phenolics of rice bran and its relationship to production of fungal peroxidases enzymes during solid-state fermentation	Ehsan Alizadeh & Farzaneh Vahabzadeh	May 2008
47	biosurfactant production by bacterial isolate from oil reservoir of the southern part of iran using molasses sugar industry as the substrate	Yosef Rahimi Kashkoli & Farzaneh Vahabzadeh	February 2008
48	USE OF MICROENCAPSULATION IN FOOD INDUSTRY-PRODUCTION OF LIPOPHILIC STARCH AS THE WALL MATERIAL TO ENCAPSULATE FLAVORING	Elham Abdollah Zadeh Sharghi & Farzaneh Vahabzadeh	February 2008
49	ROLE OF MICROBIAL CELLS IMMOBILIZED ON NATURAL SUPPORT IN REMOVAL OF MERCURY FROM THE SYNTHETIC TYPE OF INDUSTRIAL WASTE	Rosa Bashardoost & Farzaneh Vahabzadeh	February 2008
50	USE OF DOUBLE EMULSION TECHNIQUE TO ENCAPSULATE ORANGE OIL COTED WITH LIPOPHILIC STARCH: SPRAY DRYER STUDY	Leyla Ramin & Farzaneh Vahabzadeh	February 2008
51	OPTIMIZING THE PRODUCTION OF BIOEMULSIFIER BY ACINETOBACTER CALCOACETICUS RAG1	Rosa Daneshvar & Farzaneh Vahabzadeh	June 2006

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Bio process Engineering - basic concept	Farzaneh Vahabzadeh, Narges Fallah	Iran (Islamic Republic of)	September 2013	1
2	Bioprocess Engineering	Farzaneh Vahabzadeh, Narges Fallah	Iran (Islamic Republic of)	September 2013	1
3	Nanobioelectrochemistry- From implantable biosensors to green power generation	Farzaneh Vahabzadeh, Mohamad Ostad Hasan Hajar	Iran (Islamic Republic of)	March 2019	1
4	ENZYME NANOPARTICLES, Preparation, Characterisation, Properties and Applications	Mohamad Ostad Hasan Hajar, Farzaneh Vahabzadeh	Iran (Islamic Republic of)	March 2016	1
5	Bioreactor Design Fundamentals	Farzaneh Vahabzadeh, Mohamad Ostad Hasan Hajar, Elham Jalilnejad	Iran (Islamic Republic of)	January 2016	1

Journal Papers

Portal Records					
1	Seyed Mohammad Amin Ojagh, Farzaneh Vahabzadeh, Afzal Karimi, "Synthesis and characterization of bacterial cellulose-based composites for drug delivery", CARBOHYDRATE POLYMERS, September 2021 Vol. 273, Num. 273, Page 1-10, September 2021,				
2	Bahar Baniasadi, Farzaneh Vahabzadeh, "The performance of a cyanobacterial biomass-based microbial fuel cell (MFC) inoculated with <i>Shewanella oneidensis</i> MR-1", Journal of Environmental Chemical Engineering, September 2021 Vol. 9, Num. 1, Page 1-11, September 2021,				
3	Mohammad Salimi, Zeinab Salehi, Hosein Heydari, Farzaneh Vahabzadeh, "Production of activated biochar from <i>Luffa cylindrica</i> and its application for adsorption of 4-Nitrophenol", Journal of Environmental Chemical Engineering, August 2021 Vol. 9, Num. 4, Page 1-14, August 2021,				
4	Anis Askari, Farzaneh Vahabzadeh, Mohammad Mahdi Mardanpour, "Quantitative determination of linear alkylbenzene sulfonate (LAS) concentration and simultaneous power generation in a microbial fuel cell-based biosensor", JOURNAL OF CLEANER PRODUCTION, April 2021 Vol. 294, Num. 1, Page 1-10, April 2021,				
5	Sahar Zandkhaneh Shahri, Farzaneh Vahabzadeh, Azadeh Mogharei, "Lactic acid production by loofah-immobilized <i>Rhizopus oryzae</i> through one-step fermentation process using starch substrate", BIOPROCESS AND BIOSYSTEMS ENGINEERING, November 2019 Vol. 43, Num. 1, Page 333-345, November 2019,				
6	Samira Rezasoltani, Farzaneh Vahabzadeh, Zeinab Shariatmadari, Faezehghanati, "Cyanobacterial extract as a source of nutrients for mixotrophic growth of <i>Chlorella vulgaris</i> and <i>Nannochloropsis oculata</i> ", Algal Research-Biomass Biofuels and Bioproducts, May 2019 Vol. 39, Num. 1, Page 1-9, May 2019,				
7	Alireza Monazzami, Farzaneh Vahabzadeh, Abdolreza Aroujalian Mashhadi, Azadeh Mogharei, "An artificial neural network approach to determine the rheological behavior of pickering-type diesel-in-water emulsion prepared with the use of β -cyclodextrin", KOREAN JOURNAL OF CHEMICAL ENGINEERING, April 2018 Vol. 35, Num. 4, Page 847-852, April 2018,				
8	Azita Dejaloud, Farzaneh Vahabzadeh, Alireza Habibi, "Hydrodynamics and oxygen transfer characterization in a net draft tube airlift reactor with water-in-diesel microemulsion", FUEL PROCESSING TECHNOLOGY, February 2018 Vol. 171, Num. 1, Page 265-276, February 2018,				

- 9 Navid Etebari Alamdari, Alireza Habibi, Farzaneh Vahabzadeh, "Cometabolism of P-nitrophenol By Phenol-Oxidizing *Ralstonia eutropha*: The Involved Kinetics", *DESALINATION AND WATER TREATMENT*, April 2017 Vol. 65, Num. 0, Page 394-407, April 2017,
- 10 Azita Dejaloud, Farzaneh Vahabzadeh, Alireza Habibi, "*Ralstonia eutropha* as a biocatalyst for desulfurization of dibenzothiophene", *BIOPROCESS AND BIOSYSTEMS ENGINEERING*, March 2017 Vol. 40, Num. 0, Page 969-980, March 2017,
- 11 Alireza Monazzami, Farzaneh Vahabzadeh, Abdolreza Aroujalian Mashhadi, "Study on Formation of Oil-in-Water (O/W) Pickering type Emulsion via Complexation between Diesel and β -Cyclodextrin", *Chemical Engineering Transactions*, October 2016 Vol. 53, Num. 0, Page 265-270, October 2016,
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- 16 Zahra Rastian, Abbas Ali Khodadadadi, Zheng Guo, Farzaneh Vahabzadeh, Yadollah Mortazavi, "Plasma functionalization multi-walled carbon nanotubes for immobilization of *Candida antarctica* lipase B: production of biodiesel from methanolysis of rapeseed oil", *APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY*, March 2016 Vol. 178, Num. 178, Page 974-989, March 2016,
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- 25 Elham Jalilnejad Falizi, Farzaneh Vahabzadeh, "Use of packed-bed airlift reactor with net draft tube to study kinetics of naphthalene degradation by *Ralstonia eutropha*", ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, August 2014 Vol. 21, Num. 21, Page 4592-4604, August 2014,
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- 35 Hajar Jamshidian Teharani, Seyyed Hadi Khatami, Azadeh Mogharei, Farzaneh Vahabzadeh, Arvin Nickzad, "Cometabolic degradation of para-nitrophenol and phenol by *Ralstonia eutropha* in a Kissiris-immobilized cell bioreactor", KOREAN JOURNAL OF CHEMICAL ENGINEERING, November 2013 Vol. 30, Num. 11, Page 2052-2058, November 2013,
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Taught Courses

#	Course title	Description	Headlines	Date
1	Fermentation Processes Laboratory	FERMENTATION PROCESSES LABORATORY		Fall 2021
2	Enzyme Technology	Study of enzyme kinetics and bioenergytics in biotechnology		Fall 2021
3	Enzyme Technology	Study of enzyme kinetics and bioenergytics in biotechnology		Fall 2020
4	Chemistry and Biochemistry of Biological Molecules	Understanding biological molecules (biomolecules) and its role in the implementation of biochemical processes (biological)		Fall 2020

Inventions/Patents

#	Invention title	Reg. number	Country	contributors	Reg. date	Exp. date
1	Enzymatic transesterification of canola oiL for biodiesel production in solvent -free media	387111145			2009/02/1	2029/02/1

2 Biodiesel production from canola oil in packed - bed	38712135	2009/02/1	2029/02/1
3 use of biosurfactant in enhanced oil recovery.	38604378	2007/07/1	2027/07/1