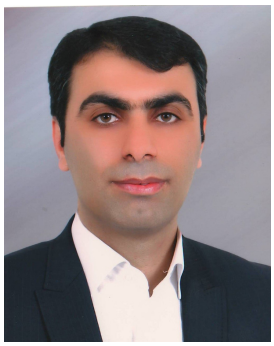

DR. MOSTAFA RAHIMNEJAD

PROFESSOR

Babol Noshirvani University of Technology

Tel/Cell: +98 (11) 32313516 /
+98 (911) 128 3184

E-mail: Rahimnejad@nit.ac.ir
Rahimnejad_mostafa@yahoo.com
Rahimnejad.mostafa@gmail.com

PROFILE

-Date of Birth: 23/09/1980

-Marital Status: Married

-Professor of chemical engineering department of Babol Noshirvani University of Technology

-Address: Department of Chemical Engineering, Babol Noshirvani University of Technology, Babol, Iran, P.O. Box: 484, Babol, Iran

-Scopus Author ID: 23971165200

-ORCID Identifier: 0000-0002-3582-5876

EDUCATION

PH.D. 2007-2011

Ph.D. in Biotechnology-Chemical Engineering, Faculty of Chemical Engineering, University of Mazandaran, Iran. Sabbatical leave, Kangwon National University, Chuncheon, South Korea. GPA 17.5/20. Thesis title: “Fabrication and Optimization of Biological Fuel Cell”

M.SC 2004-2007

M.Sc. in Chemical Engineering, University of Mazandaran, Iran. GPA 18.34/20 (Top student) Thesis title: “Bottom up fabrication and optimization protein nano structures as drug delivery vehicles”

B.SC. 1999-2004

B.Sc. in Chemical Engineering, Tehran University, Tehran, Iran. Thesis title: “Consideration of antioxidant for oils”

AWARDS

- Selected as one of the top professors at Babol Noshirvani University of Technology in 2016.
- Selected as one of the top researchers at Babol Noshirvani University of Technology in 2015.
- Winner of the Young Research Award for BIOVISION in 2013 & 2015
- Selected the best presenter in 6th Iranian Fuel Cell Seminar, Tehran, March 2013.

- Selected the top elite researchers in Mazandran state at 2013 & 2018
- The top Ph.D. thesis in the field of Fuel Cell in Iran, 2012.
- Member of National Elite Foundations
- Selected the top Ph.D. Student at Babol Noshirvani University of Technology in 2009.
- Top student in Alumni of Faculty of Chemical Engineering, University of Mazandaran.

RESEARCH INTERESTS

Industrial Biotechnology

- Biological fuel cell
- Sensor & Biosensor
- Purification of waste water
- Fermentation
- Bioethanol

TEACHING EXPERIENCES

1. **Genetic Engineering** (PhD), Babol Noshirvani University of Technology, Babol, Iran.

2. **Renewable Energy** (PhD & M.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

3. **Industrial Microbiology** (M.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

4. **Advanced Heat Transfer** (M.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

5. **Advanced Chemical Engineering Reaction** (M.Sc.), Mahshar Islamic Azad University, Mahshahr, Iran.

6. **Technical Research** (M.Sc.), Mahshar Islamic Azad University, Mahshahr, Iran.

7. **Thermodynamics** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

8. **Multi component separation** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

9. **Mass Transfer** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

10. **Food Processing** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

11. **Biochemistry & Biotechnology** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

12. **Microbiology & QC Labaratory** (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

13. **Chemical engineering Software** (Hysis) (B.Sc.), Babol Noshirvani University of Technology, Babol, Iran.

EXECUTIVE ADMINISTRATIVE EXPERIENCE

1. Member of the Department of Chemical Engineering Council at Babol Noshirvani University of Technology, Sept. 2015- 2019.

2. General Head of Scientific Collaborations and International Affairs, Babol Noshirvani University of Technology, June 2016- present.

3. Director General of the International Campus, Babol Noshirvani University of Technology, July 2014- present.

4. Member of the University Council at Babol Noshirvani University of Technology, Sept. 2016- present.

5. Member of the Iranian Biofuel Committee & Founder, Oct. 2014- present.

6. Member of the Board of Founders of the Iranian Biofuel Union, 2014.

7. Dean of Education at Department of Chemical Engineering, Babol Noshirvani University of Technology, Feb.2012- July 2014.

8. Head of the Renewable Energies and Biofuels Research Centre, July 2011- present.

PUBLICATIONS

Books:

11. Rahimnejad M., Asghary M., Fallah M.," Microbial Fuel Cell (MFC): An Innovative Technology for Wastewater Treatment and Power Generation" Book chapter (July. 2020). Pages 215-235 https://doi.org/10.1007/978-981-13-3426-9_9

10. Tofighi A., Rahimnejad M., " Synthetic polymer-based membranes for microbial fuel cellsl" Book chapter 14 (July. 2020). Pages 309-335 https://doi.org/10.1016/B978-0-12-818485-1.00014-9

9. Ezoji H., Rahimnejad M., "Nanoparticles Based (electrochemical) Sensors and Biosensors" Book chapter 12 (July. 2019). https://doi.org/10.1039/9781788016292-00329

8. Rahimnejad.M., “Theory of Heat Transfer with Forced Convection Film Flows”, Translating to Persian (Sep. 2019).

7. Rahimnejad M., Asghari M., Fallah M. “Bioremediation of Industrial Waste for Environmental Safety, Volume II: Biological Agents and Methods for Industrial Waste Management”, Springer, Book chapter 9 (Feb. 2015). https://doi.org/10.1007/978-981-13-3426-9_9

6. akeri GH., ، Kazemi A., Rahimnejad M., Fauzi Ismail A., Matsura T., "Separation of olefins from paraffin by membrane contactor - A Review" Book chapter 22 (Feb. 2016).

5. Rahimnejad M. and Najafpour G. “BIOCHEMICAL ENGINEERING AND BIOTECHNOLOGY, 2nd Edition”, Elsevier, Book chapter 18 (Feb. 2015). https://doi.org/10.1016/B978-0-444-63357-6.00018-3

4. Rahimnejad M., Jahanshahi M and Najafpour G. “Fabrication and optimization of BSA nanoparticles”, Lambert Academic Publishing (May. 2011).

3. Rahimnejad M., Najafpour G., and Ghoreyshi A.A. “Mass transfer in chemical engineering process”, INTECH, Book chapter (June. 2011).

2. Najafpour.G., Ghoreyshi.A., Rahimnejad.M., “Microbial fuel cell”, Translating to Persian (July. 2011).

1. Ghoreyshi.A., Rahimnejad.M., “Adsorption technology & design”, Translating to Persian (Sep. 2007).

PATENTS

8. Sadeghi M. Rahimnejad M. (2020) “Biological synthesis of ZnPO4 nanoparticles for medical applications” Iran Patent Iran Patent 102609

7. Zabioallahpour A., Rahimnejad M. (2020) “Electrochemical voltametric DNA-biosensor based on MoS2 and Fe2O3 for determination of Gabapantin drug.” Iran Patent 101960.

6. Msoudi M. Rahimnejad M., Mashkour M., “Designing and fabricating a membraneless aircathode single chamber microbial fuel cell for biological wastewater treatment and electricity generation simultaneously” Iran patent 102660

5. Ezoji H., Rahimnejad M. (2020) “Design and fabrication of a self-powered electrochemical biosensor for determination of DNA damage.” Iran Patent 101971.

4. Asghari M., Raoof J., Rahimnejad M., Ojani R., (2016) “DNA biosensor for detection of genetic defects by microbial fuel cell” Iran Patent 011131.

3. Rahimnejad M., Najafpour G.D., Ghoreyshi A. and Mokhtarian M. (2010)” Production of bioelectricity by S. Putida”., Iran Patent 56515.

2. Rahimnejad M., Najafpour G.D., Ghoreyshi A. and Mokhtarian M. (2010) “Continuce Production of voltage and current by Saccharomyces Cerevisiae”, Iran Patent 56516.

1. M., Najafpour G.D., Ghoreyshi A. and Mokhtarian M. (2009)” Continuce Production of voltage and current by Saccharomyces cerevisiae”, Iran Patent 55670.

CONFERENCE AND JOURNALS

Journals:

146. M. Mashkour, M. Rahimnejad, M. Mashkour, F. Soavi, “Increasing bioelectricity generation in microbial fuel cells by a high-performance cellulose-based membrane electrode assembly.” Applied Energy (2021); Vol. 282, pp 116150.

145. Masodi M., Rahimnejad M., Mashkour M., “Enhancing operating capacity of microbial fuel cells by using low-cost electrodes and multi anode-cathode connections in a membrane-less configuration “ International Journal of Hydrogen Energy (2020); https://doi.org/10.1016/j.ijhydene.2020.12.019.

144. Y. Afsharian, M. Rahimnejad, “Bioactive electrospun scaffolds for wound healing applications: A comprehensive review” Polymer Testing (2020); Vol. 93, pp 106952. https://doi.org/10.1016/j.polymertesting.2020.106952

143. M. Mashkour, M. Rahimnejad, M. Mashkour, F. Soavi, “Electro-polymerized polyaniline modified conductive bacterial cellulose anode for supercapacitive microbial fuel cells and studying the role of anodic biofilm in the capacitive behavior.” Journal of Power Sources (2020); Vol. 478, pp 228822. https://doi.org/10.1016/j.jpowsour.2020.228822

143. M. Mashkour, M. Rahimnejad, M. Mashkour, F. Soavi, “Electro-polymerized polyaniline modified conductive bacterial cellulose anode for supercapacitive microbial fuel cells and studying the role of anodic biofilm in the capacitive behavior.” Journal of Power Sources (2020); Vol. 478, pp 228822. https://doi.org/10.1016/j.jpowsour.2020.228822

142. E. Fallah Talooki, M. Ghorbani, M. Rahimnejad, M. Soleimani Lashkenari “ Evaluation of a visible light-responsive polyaniline nanofiber-cadmium sulfide quantum dots photocathode for simultaneous hexavalent chromium reduction and electricity generation in photo-microbial fuel cell” Journal of Electroanalytical Chemistry (2020);
Vol. 873, pp 114469. https://doi.org/10.1016/j.jelechem.2020.114469

141. Rahimnejad M., Zokhtare R., Moghadamnia A.A., Asghary M., An Electrochemical Sensor Based on Reduced Graphene Oxide Modified Carbon Paste Electrode for Curcumin Determination in Human Blood Serum.” Portugaliae Electrochimica Acta (2020); Vol. 38 (1), pp
29-42. http://dx.doi.org/10.4152/pea.202001029

140. Sadeghi M., Rahimnejad M., Pourali M.,” Bio-Mediated Synthesis and Characterization of Zinc Phosphate Nanoparticles Using Enterobacter aerogenes Cells for Antibacterial and Anticorrosion Applications .” Current Pharmaceutical Biotechnology (2020); Vol. 21(12), pp.
1232-1241. http://doi.org/ 10.2174/1389201021666200506073534

139. Pirzadeh K., Ghoreyshi A., Rohani S., Rahimnejad M., “CO2 and N2 adsorption and separation using aminated UiO-66 and Cu 3 (BTC) 2: A comparative study “ Korean Journal of Chemical Engineering. (2020); Vol, 37 (3), pp.513-524. http://doi.org/10.1007/s11814-019-0433-5

138. Rahmani A., Navidjouy N., Rahimnejad M., Alizade S., Samarghandi M.,Nematollahi D., “Effect of different concentrations of substrate in microbial fuel cells toward bioenergy recovery and simultaneous wastewater treatment “ Environmental Technology (2020); https://doi.org/10.1080/09593330.2020.1772374

137. Zabihollahpour A., Rahimnejad M., Najafpour Gh., Moghadamnia A., “Recent Advances in Electroanalytical Methods for the Therapeutic Monitoring of Antiepileptic Drugs: A Comprehensive Review “ Journal of Pharmaceutical and Biomedical Analysis (2020);
Vol. 188 (5)., pp. 113394. https://doi.org/10.1016/j.jpba.2020.113394

136. Nori M., Rahimnejad M., Najafpour G., Moghadamnia A., “Simultaneous Voltammetric Determination of Rizatriptan and Acetaminophen by using a Carbon Pastet Electrode Modified with NiFe2O4 Nanoparticles “ Microchimica Acta (2020); Vol. 187, pp. 1-9.
https://doi.org/10.1007/s00604-020-04290-y

135. Zabihollahpour A., Rahimnejad M., Najafpour Gh., Moghadamnia A., “Biomedical application of a novel nanostructured-based electrochemical platform for therapeutic monitoring of an antiepileptic drug; gabapentin “ Analytical and Bioanalytical Electrochemistry (2020); Vol. 12 (4)., pp. 536.-552.

134. Masodi M., Rahimnejad M., Mashkour M., “Fabrication of anode electrode by a novel acrylic based graphite paint on stainless steel mesh and investigating biofilm effect on electrochemical behavior of anode in a single chamber microbial fuel cell “ Electrochimica Acta (2020); Vol. 344, pp. 136168.
https://doi.org/10.1016/j.electacta.2020.136168

133. Birjandi N., Younesi H, Ghoreyshi A., Rahimnejad M., “Enhanced medicinal herbs wastewater treatment in continuous flow bio-electro-Fenton operations along with power generation” Renewable Energy (2020); Vol. 155, pp. 1079-1090.
https://doi.org/10.1016/j.renene.2020.04.013

132. Shabani M., Younesi H., Rahimpour A., Rahimnejad M., “A critical review on recent proton exchange membranes applied in microbial fuel cells for renewable energy recovery “ Journal of Cleaner Production. (2020); Vol. 264, pp. 121446
https://doi.org/10.1016/j.jclepro.2020.121446

131. Ezoji H., Rahimnejad M., Najafpour G., “Advanced Sensing Platform for Electrochemical Monitoring of the Environmental Toxin; Bisphenol A “ Ecotoxicology and Environmental Safety (2020); Vol. 190, pp. 110088. https://doi.org/10.1016/j.snb.2018.07.147

130. Mehrabi A., Rahimnejad M., Mohammadi M., Pourali M., “Electrochemical detection of flutamide with gold electrode as an anticancer drug” Biocatalysis and Agricultural Biotechnology (2020); Vol. 22, pp. 101375.
https://doi.org/10.1016/j.bcab.2019.101375

129. Mohammadpour M., Najafpour Gh., Rahimnejad M., “Heterogeneous catalyst HZSM5 in Biodiesel production from rapeseed oil in batch process “ Iranian Journal of Energy and Environment (2017); Vol, 4 (46), pp.13421-13426. https://doi.org/10.5829/ijee.2017.08.02.01.

128. Pirzadeh K., Ghoreyshi A., Rohani S., Rahimnejad M., “Strong influence of amine grafting on MIL-101 (Cr) metal organic framework with exceptional CO2/N2 selectivity “Industrial & Engineering Chemistry Research. (2020); Vol, 59, pp.366-378. https://doi.org/10.1021/acs.iecr.9b05779

127. Fallah M., Rahimnejad M., Asghary M., Mashkour M., “ An Electrochemical sensor based on carbon paste electrode for determination of buserelin “ Analytical Methods. (2020); Vol, 12 (1), pp.33-38. https://doi.org/10.1039/C9AY01760G

126. Nuori M., Rahimnejad M., Najafpour G., Moghadamnia A., “A Gr/ αFe2O3/Carbon Paste Electrode Developed as an Electrochemical Sensor for Determination of Rizatriptan Benzoate: An Antimigraine Drug “ ChemistrySelect. (2020); Vol. 4 (46), pp. 13421-13426. https://doi.org//10.1002/slct.201902845

125. Fallah E., Ghorbani M., Rahimnejad M., Soleymani M., “Investigating the effects of in-situ fabrication of a binder-free Co3O4-polyaniline cathode towards enhanced oxygen reduction reaction and power generation of microbial fuel cells “ Journal of Synthetic Metals. (2020); Vol. 258, pp. 116225. https://doi.org/10.1016/j.synthmet.2019.116225

124. Rahmani A., Navidjouy N., Nematollahi D., Rahimnejad M., Leili M., Samarghandi M., Alizade S., “Application of the eco-friendly bio-anode for ammonium removal and power generation from wastewater in bio-electrochemical systems “ Journal of Cleaner Production. (2020); Vol. 243, pp. 118589. doi.org/10.1016/j.jclepro.2019.118589

123. Pirzadeh K., Ghoreyshi A., Rahimnejad M., “Optimization of electrochemically synthesized Cu3(BTC)2 by Taguchi method for CO2/N2 separation and data validation through artificial neural network (ANN) modeling “ Frontiers of Chemical Science and Engineering. (2020); Vol. 14, pp. 233-247. https://doi.org/10.1007/s11705-019-1893-1.

122. Hejazi F., Ghoreyshi A., Rahimnejad M., “Simultaneous phenol removal and electricity generation using a hybrid Granular Activated Carbon adsorption-biodegradation process in a batch recycled tubular microbial fuel cell “ Biomass and Bioenergy. (2019); Vol. 129, pp. 105336. https://doi.org/10.1016/j.biombioe.2019.105336

121. Shabani M., Younesi H., Rahimpour A., Rahimnejad M., “Upgrading the electrochemical performance of graphene oxide-blended sulfonated polyetheretherketone composite polymer electrolyte membrane for microbial fuel cell application “ Biocatalysis and Agricultural Biotechnology. (2019); Vol. 22, pp. 101369. https://doi.org/10.1016/j.bcab.2019.101369

120. Asghari M., Raoof J., Rahimnejad M., Ojani R., “ Usage of gold nanoparticles/multi-walled carbon nanotubes-modified CPE as a nano-bioanode for enhanced power and current generation in microbial fuel cell” Journal of the Iranian Chemical Society (2019); Vol. 16, pp. 1677–1685. https://doi.org/10.1007/s13738-019-01645-y.

119. Zokhtare R. and Rahimnejad M., “ Investigation of New Electrochemical Sensors for Curcumin Detection: A Mini Review “ Analytical Methods. (2019); Vol. 11 (35), pp. 4401-4409. https://doi.org/10.1039/C9AY01352K .

118. Zahirifar F., Rahimnejad M., Najafpour Gh., Rafid A., “Determination of Diazinon in Fruit Samples Using Electrochemical Sensor Based on Carbon Nanotubes Modified Carbon Paste Electrode “ Biocatalysis and Agricultural Biotechnology. (2019); Vol. 20, pp. 101245. https://doi.org/10.1016/j.bcab.2019.101245

117. Edrisi S., Bakhshi H., Rahimnejad M., “Experimental and Thermodynamic Modeling of Quaternary Aqueous Two-Phase System of Poly Ethylene Glycol, Sodium Tartrate, Water and Penicillin G “ Journal of Solution Chemistry. (2019); Vol 48, pp. 1206–1221. https://doi.org/10.1007/s10953-019-00906-x.

116. Edrisi S., Bakhshi H., Rahimnejad M., “Aqueous two-phase systems for cephalexin monohydrate partitioning using poly ethylene glycol and sodium tartrate dihydrate: Experimental and thermodynamic modeling “ Korean Journal of Chemical Engineering. (2019); Vol. 36 (5), pp. 780-788. https://doi.org/10.1007/s11814-019-0256-4

115. Lashkari S.M., Kariminezhad H., Amani H., Mataji P., Rahimnejad M., “Introduction of 5-aminolevulinic acid as a theranostics agent in dentistry “ Photodiagnosis and Photodynamic Therapy. (2019); Vol. 25, pp. 336-343. https://doi.org/10.1016/j.pdpdt.2019.01.021

114. Alipanahi R., Rahimnejad M., Najafpour Gh., “Improvement of sediment microbial fuel cell performances by design and application of power management system “ International Journal of Hydrogen Energy. (2019); Vol. 44 (31), pp. 16965-16975. https://doi.org/10.1016/j.ijhydene.2019.04.162

113. Alipanahi R., Rahimnejad M., “Effect of different ecosystems on generated power in sediment microbial fuel cell “ Energy Research Journal. (2019); Vol. 42 (16), pp. 4891-4897. https://doi.org/10.1002/er.4199 .

112. Alipanahi R., Rahimnejad M.,” Effect of sediment on performance of sediment microbial fuel cell.” Shimi and Mohandesi Shimi Iran (2019) Accepted. http://www.nsmsi.ir/article_33216.html (In Persian)

111. Khalse R., Ghoreyshi A., Rahimnejad M., Esfahanian M., Mehdipour H., Khoshhal S., “Bioethanol production from Saccharomyces cerevisiae through conventional and membrane batch fermentation: experimental and modeling studies” Theoretical foundation of Chemical Engineering (2019); Vol. 53 (1), pp. 139–146. https://doi.org/10.1134/S0040579519010081

110. Hassan S., Grung A., Kang W., Shin B., Rahimnejad M., Jeon B., Kim J., Oh S., “Real-time monitoring of water quality of stream water using sulfur-oxidizing bacteria as bio-indicator “ Chemosphere. (2019); Vol. 223, pp.
58-63. https://doi.org/10.1016/j.chemosphere.2019.01.089

109. Zabihollahpour A., Rahimnejad M., Najafpour Gh., Moghadamnia A., “Gold nanoparticle prepared by electrochemical deposition for electrochemical determination of gabapentin as an antiepileptic drug “ Electroanalytical chemistry. (2019); Vol. 835, pp. 281-286. https://doi.org/10.1016/j.jelechem.2019.01.039

108. Pashaei E., Najafpour G., Jahanshahi M., Rahimnejad M., “Highly Sensitive Amperometric Sensor Based on Gold Nanoparticles Polyaniline Electrochemically Reduced Graphene Oxide Nanocomposite for Detection of Nitric Oxide “ International Journal of Engineering (IJE), IJE TRANSACTIONS B: Applications (2018); Vol. 31 (2), pp. 188-195. https://doi.org/10.5829/ije.2018.31.02b.01

107. Rahimnejad M., Pirzade K., Mahdavi I., Peyghambarzade S. M. “Pb (II) removal from aqueous solution by adsorption on activated carbon from kiwi peel” Environmental Engineering and Management Journal (2018); Vol. 17 (6), pp. 1293–1300. http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu,

106. Ezoji H., Rahimnejad M., “Electrochemical behavior of the endocrine disruptor bisphenol A and in situ investigation of its interaction with DNA “ Sensors & Actuators: B. Chemical. (2018);
Vol. 274, pp. 370-380.. https://doi.org/10.1016/j.snb.2018.07.147

105. Ivars-Barcelo F., Zuliani A., Fallah M.,, Mashkor M., Rahimnejad M., Luque R., “Novel Applications of Microbial Fuel Cells in Sensors and Biosensors“ Applied Science (2018);
Vol. 8, pp. 1184. https://doi.org/10.3390/app8071184.

104. Zokhtare R., Rahimnejad M.,” A Novel Sensitive Electrochemical Sensor Based on Nickel Chloride Solution Modified Glassy Carbon Electrode for Curcumin Determination” Electroanalysis (2018); Vol.
30 (5), pp. 921-927. https://doi.org/10.1002/elan.201700770

103. Hassaninejad-Darzi S.K., Rahimnejad M., Shajie F., Shahbazi A., “Electrocatalytic Oxidation of Formaldehyde onto Carbon Paste Electrode Modified with Hydrogen Titanate Nanotubes, Including Nickel Hydroxide” Iranian journal of science and technology (2018); Vol. 42 (3), pp 1259-1268.

102. Pashaei E., Najafpour M., Jahanshahi M., Yazdian F., Rahimnejad M., “An electrochemical nitric oxide biosensor based on immobilized cytochrome c on a chitosan-gold nanocomposite modified gold electrode “International Journal of Biological Macromolecules (2018); Vol. 108, pp 250-258.

101. Tofighi A., Rahimnejad M., Ghorbani M., “Ternary nanotube α-MnO2/GO/AC as an Excellent Alternative Composite Modifier for Cathode Electrode of Microbial Fuel cell” Journal of Thermal Analysis and Calorimetry (2018); Vol. 15 (12), pp. 445-453. https://doi.org/10.1007/s10973-018-7198-7.

100. Asghari M., Raoof J., Rahimnejad M., Ojani R., “Microbial fuel cell-based self-powered biosensing platform for determination of ketamine as an anesthesia drug in clinical serum samples” Journal of the Iranian Chemical Society (2018); Vol. 15 (12), pp. 445-453. https://doi.org/10.1007/s13738-017-1245-3.

99. Pirzadeh K., Ghoreyshi A.,Rahimnejad M., Mohammadi M., “Electrochemical synthesis, characterization and application of a microstructure Cu3(BTC)2 metal organic framework for CO2 and CH4 separation “ Korean Journal of chemical engineering (2018); Vol. 35 (4), pp 974-978. https://doi.org/10.1007/s11814-017-0340-6.

98. Zare H., Najafpour G., Jahanshahi M., Rahimnejad M., Rezvani M.,” High performance biosensor based on electrodepositionof silver nanoparticles on glucose oxidase-chitosan matrix for glucose detection “. Advances in Environmental Biology (2017); Vol. 11 (3), pp 68-74.

97. Zare H., Najafpour G., Jahanshahi M., Rahimnejad M., Rezvani M.,” Highly stable biosensor based on glucose oxidase immobilized in chitosan film for diagnosis of diabetes “. Romanian Biotechnological Letters (2017); Vol. 22 (3), pp 12611-12619.

96. Mashkor M., Rahimnejad M., Pourali S. M., Ezoji H., ElMekawy A., Pant D., “Catalytic Performance of Nano-Hybrid Graphene and Titanium Dioxide Modified Cathodes Fabricated with Facile and Green Technique in Microbial Fuel Cell “Progress in Natural Science: Materials International (2017); Vol. 27, pp
647-651. https://doi.org/10.1016/j.pnsc.2017.11.003

95. Zokhtare R., Rahimnejad M., Moghadamnia A.A., Asghary M., ” Fabrication of electrochemical curcumin sensor based on carbon paste electrode.” Journal of Applied Chemistry (2018); Vol. 47, pp 91-103. https://doi.org/10.22075/CHEM.2018.2864 (In Persian)

94. Sadeghi M., Rahimnejad M., Pourali M.,” The effect of zinc phosphate nanoparticles in combination with glass ionomer cements on Streptococcus mutans .” Journal of Mazandaran University of Medical Science (2017); Vol. 27, pp 39-47.

93. Fatemi S., Ghoreyshi A., Rahimnejad M., Najafpour G.D., Depak P., ” Sulfide as an alternative electron donor to glucose for power generation in mediator-less microbial fuel cell.” Journal Environmental Science Health Part A (2017); Vol. 52, pp 1150-1157. https://doi.org/10.1080/10934529.2017.1342500.

92. Mashkor M., Rahimnejad M., Mashkor M., Bakeri Gh., Oh S., Luque R., “Application of Wet Nano-Structured Bacterial Cellulose as a Novel Hydrogel Bio-Anode for Microbial Fuel Cells “Chem ElectroChem (2017); Vol. 4, pp 648-654. http://dx.doi.org/10.1002/celc.201600868.

91. Aghili F., Ghoreyshi A., Rahimpour A., Rahimnejad M., “Coating of mixed-matrix membranes with powdered activated carbon for fouling control and treatment of dairy effluent” Process Safety and Environmental Protection (2017);
http://dx.doi.org/10.1016/j.psep.2017.03.013

90. Mashkor M., Rahimnejad M., Mashkor M., “Bacterial cellulose-polyaniline nano-biocomposite: A porous media hydrogel bioanode enhancing the performance of microbial fuel cell” Journal of Power Sources (2016); Vol. 325, pp 322-328.
https://doi.org/doi.org/10.1016/j.jpowsour.2016.06.063.

89. Valizadeh M., Najafpour G., Rahimnejad M., Valizadeh M., “High Performance Curcumin Subcritical Water Extraction from Turmeric (Curcuma longa L.)” Journal of Chromatography B (2016); Vol. 1022, pp 191-198. https://doi.org/10.1016/j.jchromb.2016.04.021.

88. Ezoji H., Rahimnejad M., Asghari M., “A sensitive electrochemical sensor based on gold nanopaerticles droplet deposition on glassy carbon electrode for Bisphenol A detection” Pakistan Journal of Biotechnology (2016); Vol. 13 (2), pp 133-140.

87. Ezoji H., Rahimnejad M., “Electrochemical Determination of Bisphenol A on Multi-Walled Carbon Nanotube/ titanium dioxide Modified Carbon Paste Electrode” International Journal of Scientific and Engineering Research (2016); Vol. 7 (6), pp 242-246.

86. Birjandi N., Younesi H, Ghoreyshi A., Rahimnejad M.,” Electricity generation, ethanol fermentation and enhanced glucose degradation in a bio-electro-Fenton system driven by Microbial fuel cell” Journal of Chemical Technology & Biotechnology (2016); Vol. 91, pp. 1868–1878. https://doi.org/10.1002/jctb.4780

85. Birjandi N., Younesi H, Ghoreyshi A., Rahimnejad M., “Electricity generation through degradation of organic matters in medicinal herbs wastewater using bio-electro-Fenton system” Journal of Environmental Management (2016); Vol. 180, pp. 390-400. https://doi.org/10.1016/j.renene.2020.04.013

84. Asghari M., Raoof J., Rahimnejad M., Ojani R., “A novel oxidizer-less and high performance microbial fuel cell by using DNA as a final electron acceptor in the cathodic chamber” International Journal of Hydrogen Energy (2016); Vol. 41 (31), pp. 13611-13618. https://doi.org/10.1016/j.ijhydene.2016.05.187.

83. Asghari M., Raoof J., Rahimnejad M., Ojani R., “A Novel Self-powered and Sensitive Label-free DNA Biosensor in Microbial Fuel Cell” Biosensors and Bioelectronics (2016); Vol. 82, pp. 173-176. https://doi.org/10.1016/j.bios.2016.04.023

82. Hassaninejad-Darzi S.K., Rahimnejad M., Mirzababaei S.N., “Electrocatalytic oxidation of glucose onto carbon paste electrode modified with nickel hydroxide decorated NaA nanozeolite” Microchemical Journal (2016); Vol. 128, pp. 7–17. https://doi.org/10.1016/j.microc.2016.03.016

81. Najafgholi Z., Rahimnejad M., “Improvement of Sediment Microbial Fuel Cell Performances by Application of Sun light and Biocathode.” Korean Journal of Chemical Engineering (2016); Vol. 33 (1), pp. 154–158. https://doi.org/10.1007/s11814-015-0123-x.

80. Hassaninejad-Darzi S.K., Rahimnejad M., Mokhtari E., “Ni(II) decorated nano silicoaluminophosphat molecular sieves-modified carbon paste electrode as an electrocatalysts for electrooxidation of methanol” Bulletin of Materials Science (2016); Vol. 39 (3), pp. 901–912. https://doi.org/10.1007/s12034-016-1194-y

79. Hassaninejad-Darzi S.K., Rahimnejad M., Gholami M., “Electrocatalytic Oxidation of Formaldehyde onto Carbon Paste Electrode Modified with Nickel Decorated Nanoporous Cobalt-Nickel Phosphate Molecular Sieve for Fuel Cell” Fuel Cell (2016); Vol. 4 (3), pp. 94171–94183. https://doi.org/10.1002/fuce.201500118.

78. Ghasemi M., Daud W., Hassan S., Jafary T., Rahimnejad M., Ahmad F., “ Carbon nanotube/Polypyrrole nanocomposite as a novel cathode catalyst for Pt in microbial fuel cell” International Journal of Hydrogen Energy (2016); Vol. 41 (8), pp. 4872–4878. https://doi.org/10.1016/j.ijhydene.2015.09.011

77. Aghili F., Ghoreyshi A., Rahimpour A., Rahimnejad M., “Dynamic behavior of the adsorption, activated sludge and combined activated sludge-adsorption process for treatment of cheese whey wastewater” Desalination and Water Treatment (2016); Vol. , pp 16404-16414. https://doi.org/10.1080/19443994.2015.1087884

76. Aghili F., Ghoreyshi A., Rahimpour A., Rahimnejad M., “Enhanced treatment of pretreated sour whey by PAC adsorption/membrane process” Chemical Engineering and Processing: Process Intensification (2015); Vol. 99, pp. 80–85. https://doi.org/10.1016/j.cep.2015.11.006

75. Rahimnejad M., Hassaninejad S.K., Izadi P., Ghoreyshi A., Samadi–Maybodi A., “Surfactant Modified ZSM-5 Nanozeolite in the Modification of Carbon Paste Electrode for Voltammetric Determination of Sulfide.” Anal. Bioanal. Electrochem (2015); Vol. 7 (3), pp. 370–386. https://doi.org/10.1080/19443994.2014.951965

74. Mashkor M., Rahimnejad M., “Effect of various carbon-based cathode electrodes on the performance of microbial fuel cell “.Biofuel Research Journal (2015); Vol.
8, pp 296-300. https://doi.org/10.18331/BRJ2015.2.4.3

73. Riazi S., Rahimnejad M., Najafpour G., “Hydrolysis of Sorghum (Broomcorn) in Diluted Hydrochloric Acid” International Journal of Engineering (2015); Vol. 28,
pp. 1543-1551. https://doi.org/10.5829/idosi.ije.2015.28.11b.01

72. Izadi P., Rahimnejad M., Ghoreyshi A., “Sulfide removal in anode compartment and bioelectricity production in two chambered Microbial Fuel Cells.” The Canadian Journal of Chemical Engineering (2015); Vol. 93, pp. 2135–2140. https://doi.org/10.1016/j.ecoleng.2015.04.055.

71. Rahimnejad M. and Hassaninejad-Darzi S.K., “Organic Template-Free Synthesis of Ni-ZSM-5 Nanozeolite: A Novel Catalyst for Formaldehyde Electrooxidation onto Modified Ni-ZSM-5/CPE” International Journal of Bio-inorganic Hybrid Nanonmaterials (IJBIHN) (2015); Vol. 4(3), pp. 141–153.

70. Zabihollahpour A., Rahimnejad M., Talebnia F., “Sediment icrobial fuel cell as new source of renewable and sustainable Energy: present status and future prospec2zts” RSC Advances (2015); Vol. 5, pp. 94171–94183. https://doi.org/10.1039/C5RA15279H

69. Emadian M., Hosseini M., Rahimnejad M., Khoshandam B., “Treatment of a low-strength bilge water of Caspian Sea ships by HUASB technique.” Ecological Engineering (2015); Vol. 82, pp. 272–275. https://doi.org/10.1016/j.ecoleng.2015.04.055.

68. Rahimnejad M., Adhami A., Darvari S., Zirepour A., Oh S. “Microbial fuel cell as new technology for bioelectricity generation: A Review.” Alexandria Engineering Journal (2015); Vol. 54, pp. 745–756. https://doi.org/10.1016/j.aej.2015.03.031

67. Emadian M., Rahimnejad M., Hosseini M., Khoshandam B., “Investigation on up-flow anaerobic sludge fixed film (UASFF) reactor for treating low-strength bilge water of Caspian Sea ship.” Journal of Environmental Health Science & Engineering (2015); Vol. 13, pp. 23–28. https://doi.org/10.1186/s40201-015-0181-3.

66. Fatemi S., Ghoreyshi A.A., Najafpour Gh., Rahimnejad M., “Investigation of bioelectricity production in dual chamber microbial fuel cell by mixed culture as active biocatalyst.” Journal of Cellular and Molecular Researchers (Iranian Journal of Biology) (2015); Vol. 4, pp. 534–542.

65. Zare H., Heydarzade H., Rahimnejad M., Tardast A., Seyfi M., Peyghambarzade S.M., “Dried activated sludge as an appropriate biosorbent for removal of copper (II) ions.” Arabian journal of chemistry (2015), Vol. 8, pp.:858-864. https://doi.org/10.3844/ajbbsp.2013.19.27

64. Izadi P., Rahimnejad M., Ghoreyshi A., “Power Production and Waste Water Treatment Simultaneously by Dual Chamber Microbial Fuel Cell Technique.” Biotechnology and Applied Biochemistry (2015); Vol. 62 (4), pp. 483–488. https://doi.org/10.1002/bab.1345

63. Rahimnejad M., Najafgholi Z., Najafpour G., “Sediment as new source of clean energy for bioelectricity production” Quarterly Journal of Science Kharazmi University (2014); Vol. 14 (4), pp. 199–208.(in Persian)

62. Hassaninejad-Darzi S.K., Rahimnejad M., Mirzapour-Armaki M., Izadi P., Peyghambarzadeh S.M, "Modification of carbon paste electrode by surfactant modified ZSM-5 nanozeolite for potentiometric determination of sulphate". Desalination and Water Treatment, 2015; Vol. 56, pp. 1622–1632. https://doi.org/10.1080/19443994.2014.951965.

61. Samimi N., Najafpour G.D., Rahimnejad, M., Attar H., “Performance of up flow anaerobic sludge fixed film bioreactor for the treatment of high organic load and biogas production of cheese whey wastewater. Chemical Industry and Chemical Engineering Quarterly (2015), Vol. 21, pp. 229-237. https://doi.org/10.2298/CICEQ131105018T

60. Rahimnejad M., Hassaninejad-Darzi S.K., Pourali S.M., “Preparation of template-free sodalite nanozeolite-chitosan modified carbon paste electrode for electrocatalytic oxidation of ethanol”.J IRAN CHEM SOC (2015); Vol. 12, pp. 413–425. https://doi.org/10.1007/s13738-014-0498-3

59. Talebnia F., Mighani M., Rahimnejad, M., Angelidaki I.,” Ethanol Production from Steam-Exploded Rapeseed Straw and the Process Simulation Using Artificial Neural Networks “.Biotechnology and Bioprocess Engineering (2015), Vol. 20, pp. 139–147. https://doi.org/10.1007/s12257-013-0535-6

58. Soleimani Lashkenari M., Esazadeh H., Rahimnejad M., “Chemical Synthesis and Characterization of Novel Antibacterial Polycyclic Polymer.” Polycyclic Aromatic Compounds (2014); Vol. 34, pp. 620–631. https://doi.org/10.1080/10406638.2014.934483

57. Rahimnejad M., Bakeri Gh., Ghasemi M., Zirepour A.” Review on the role of proton exchange membrane on the performance of microbial fuel cell.” Polymers for Advanced Technologies (2014); Vol. 25, pp. 1426–1432. https://doi.org/10.1002/pat.3383

56. Hassan S., El-Rab S., Rahimnejad M., Ghasemi M., Joo J., Ok Y., Kim I., Oh S., “Electricity generation from rice straw using a microbial fuel cell. ” International Journal of Hydrogen Energy (2014), Vol. 39, pp. 9490–9496. https://doi.org/10.1016/j.ijhydene.2014.03.259

55. Bakeri Gh., Ismaeil A.F., Rahimnejad M., Matsuura T., “Porous polyethersulfone hollow fiber membrane in gas–liquid contacting processes.” Chemical Engineering Research and Design (2014), Vol. 92 (7), pp. 1381–1390. https://doi.org/10.1016/j.cherd.2013.11.008

54. Najafgholi Z., Rahimnejad M., Najafpour G., “Effect of Electrolyte Conductivity and aeration on Performances of Sediment Microbial Fuel Cell.” Journal of Renewable Energy and Environment (2014); Vol. 1 (2), pp. 49–55. https://doi.org/10.30501/jree.2015.70064

53. Bakeri Gh., Ismaeil A.F., Rahimnejad M., Matsuura T., “Analysis of Polyetherimide/N-Methyl-2-Pyrrolidone/nonsolvent phase separation behavior.” Journal of Polymer Research (2014), Vol. 21, pp. 386–373. https://doi.org/10.1007/s10965-014-0386-7

52. Rahimnejad M., Bakeri Gh., Najafpour G.D., Ghasemi M., Sang-Eun Oh “A review on the effect of proton exchange membranes in microbial fuel cells.” Biofuel Research Journal (2014); Vol. 1, pp 7-15. https://doi.org/10.18331/BRJ2015.1.1.4

51. Hassaninejad-Darzi S.K., Rahimnejad M., “Electrocatalytic oxidation of methanol by ZSM-5 nanozeolitemodified carbon paste electrode in alkaline medium.” J IRAN CHEM SOC (2014); Vol. 11:1047–1056. https://doi.org/10.1007/s13738-013-0373-7.

50. Ghoreyshi K.B., Ghasem M., Rahimnejad M., Yarmo M., Ramli W., Asim M., Ismail M., ” Development and application of vanadium oxide/polyaniline composite as a novel cathode catalyst in microbial fuel cell “.International Journal of Energy Research (2014), Vol. 38, pp 70-77. https://doi.org/10.1002/er.3082

49. Izadi P., Rahimnejad M., “Simultaneous electricity generation and sulfide removal using dual chamber microbial fuel cell.” Biofuel Research Journal (2014); Vol. 1, pp 34-38. https://doi.org/10.18331/BRJ2015.1.1.8

48. Tardast A., Rahimnejad M., Najafpour G., Ghoreyshi A., Premier C., Bakeri Gh., Oh S.,” Use of artificial neural network for the prediction of bioelectricity production in a membrane less microbial fuel cell “. Fuel (2014); Vol. 117, pp 697-703. https://doi.org/10.1016/j.fuel.2013.09.047

47. Rahimnejad M., Ghasemi M Najafpour G.D., Ghoreyshi A., Bakeri G., Talebnia F., Oh S., ”Investigation of different mediators in microbial Fuel Cell with cyclic voltameter.” Pakistanian Journal of Biotechnology (2013); Vol. 10(2), pp.:37-51.

46. Nasrollah F., Bakeri Gh., Ismail A., Rahimnejad M., Imanian M., “Development of a model for dimethyl ether non-adiabatic reactors to improve methanol conversion. ” Korean Journal of Chemical Engineering (2013); Vol. 30 (10), pp 1867-1875. https://doi.org/10.1007/s11814-013-0138-0

45. Jafary T., Rahimnejad M., Ghoreyshi A., Najafpour G.,” Assessment of Bioelectricity Production in Microbial Fuel Cells through Series and Parallel Connections “Energy Conversion and Management (2013); Vol. 75, pp 256-262. https://doi.org/10.1016/j.enconman.2013.06.032

44. Peyghambarzade S.M., Shapori S., Aslanzadeh N., Rahimnejad M.,” Thermal performance of different working fluids in a dual diameter circular heat pipe “.Ain Shams Engineering Journal (2013); Vol. 4, pp 855-861. https://doi.org/10.1016/j.asej.2013.03.001

43. Ghasem M., Ramli W., Rahimnejad M., Rezaei M., Fatemi A., Jafary Y., Somalu M., Manzour A., “Copper-phthalocyanine and nickel nanoparticles as novel cathode catalysts in microbial fuel cells.” International Journal of Hydrogen Energy (2013);
Vol. 38, pp 9533-9540. https://doi.org/10.1016/j.ijhydene.2013.01.177

42. Jafary T., Ghoreyshi A., Najafpour G., Rahimnejad M., “Investigation on Performance of Microbial Fuel Cells based on carbon sources and kinetic Models.” International Journal of Energy Research (2013), Vol. 37, pp1539–1549. https://doi.org/10.1002/er.2994

41. Ghasem M., Ramli W., Hassan S., Oh S., Ismail M., Rahimnejad M., Jahim J., “Nano-structured carbon as electrode material in microbial fuel cells:A comprehensive review.”Journal of Alloys and Compounds (2013); Vol. 580, pp 245-255.
https://doi.org/10.1016/j.jallcom.2013.05.094

40. Bakeri GH., Rahimnejad M., “Kinetics study of hydrazodicarbonamide synthesis reaction.” Chemical Industry & Chemical Engineering Quarterly (2013); Vol. 19 (2), pp 273-279. https://doi.org/10.2298/CICEQ120221061B

39. Ghasem M., Ramli W., Ismail M., Rahimnejad M., Ismail F., Leong J., Miskan M., Liew K., “Effect of pre-treatment and biofouling of proton exchange membrane on microbial fuel cell performance.” International journal of hydrogen energy (2013); Vol. 38, pp 5480-5484. https://doi.org/10.1016/j.ijhydene.2012.09.148

38. Ghasemi M., Rahimnejad M., Esmaeili C., Ramli D., Masdar M., Majlan E., Hassan H., Alam J., Ismaei M and Alhoshan M.,” Polysulfon Composed of Polyaniline Nanoparticles as Nanocomposite Proton Exchange Membrane in Microbial Fuel Cell”. American Journal of Biochemistry and Biotechnology (2013); Vol. 9(1), pp.:19-27. https://doi.org/10.3844/ajbbsp.2013.19.27

37. Rahimnejad M., Ghasemi M Najafpour G.D., Ghoreyshi A., Bakeri G, Hassaninejad K and Talebnia F.," Aceton removal and bioelectricity generation in dual Chamber microbial fuel cell". American Journal of Biochemistry and Biotechnology (2012); Vol. 8(4), pp.:304-310. https://doi.org/10.3844/ajbbsp.2012.304.310

36. Khademian M., Khademian M., Rahimnejad M., Mokhtarian M.," HIO3 Oxidation of Alcohols to Aldehydes and Ketones in the Presence of NaHSO4·H2O". Asian Journal of Chemister (2013); Vol. 25 (5), pp 2927-2928. https://doi.org/10.14233/ajchem.2013.13480

35. Tardast A., Rahimnejad M., Najafpour G., Ghoreyshi A., Zare H.," Fabrication and Operation of a Novel Membrane-less Microbial Fuel Cell as a Bioelectricity Generator ". Iranica Journal of Energy & Environment (2012); Vol. 3, pp 1-5. https://doi.org/10.5829/idosi.ijee.2012.03.05.01

34. Zare H., Najafpour G., Heydarzade H., Rahimnejad M., Tardast A.," Performance and Kinetic Evaluation of Ethyl Acetate Biodegradation in a Biofilter Using Pseudomonas Putida ". Iranica Journal of Energy & Environment (2012); Vol. 3, pp 14-18. https://doi.org/10.5829/idosi.ijee.2012.03.05.03

33. Rahimnejad M., Najafpour G.D., Bakeri Gh.," Investigation and modeling effective parameters influencing the size of BSA protein nanoparticles as colloidal carrier ".Colloids and Surfaces A: Physicochem. Eng. Aspects (2012), Vol. 412, pp 96– 100. https://doi.org/10.1016/j.colsurfa.2012.07.022

32. Zare H., Najafpour G.D., Rahimnejad M., Tardast A., and Gilani S. "Biofiltration of ethyl acetate by Pseudomonas Putida immobilized on walnut shell. " Bioresource Technology (2012), Vol. 123, pp. 419-423. https://doi.org/10.1016/j.biortech.2012.07.036

31. Bakeri Gh., Ismaeil A.F., Rahimnejad M., Matsuura T., Rana D., "The effect of bore fluid type on the structure and performance of polyetherimide hollow fiber membrane in gas–liquid contacting processes." Separation and Purification Technology (2012), Vol. 98, pp. 262–269. https://doi.org/10.1016/j.seppur.2012.07.024

30. 30) Fatemi S., Ghoreyshi M., Najafpour G.D., Rahimnejad M., Pirzadeh K., and Mokhtarian N. "Bioelectricity Generation in Mediator Less Microbial Fuel Cell: Application of Pure and Mixed Cultures ".Iranica Journal of Energy & Environment, (2012), Vol. 3 (2), pp 104-1083. https://doi.org/10.5829/idosi.ijee.2012.03.02.0516

29. Rahimnejad M., Najafpour G.D., Ghoreyshi A., Talebnia F., Premie G., Bakeri Gh., Kim J., Oh S., "Thionine increases electricity generation from microbial fuel cell using Saccharomyces Cerevisiae and exoelectrogenic mixed culture." Journal of Microbiology (2012); Vol. 50(4), pp.:575-80. https://doi.org/10.1007/s12275-012-2135-0.

28. Mokhtarian M., Rahimnejad M., Najafpour G.D., Ramli D., and Ghoreyshi A. “Effect of different substrate on performance of microbial.” African Journal of Biotechnology (2012), Vol. 11(14), pp. 3363-3369. https://doi.org/10.5897/AJB11.2844

27. Tardast A., Najafpour G.D., Rahimnejad M., Ghoreyshi A., Zare H., and Pirzadeh K., “Bioelectricity production by Air cathode microbial fuel cell.” IEEE (2012); Vol. 1, pp 162-166. https://doi.org/10.1109/ICREDG.2012.6190455

26. Tardast A., Rahimnejad M., Najafpour G.D., Pirzadeh K., and Mokhtarian N. “Prediction of bioelectricity production by neural network.” E3 Journal of Biotechnology and Pharmaceutical Research (2012), Vol. 3(3), pp. 62-68.

25. Mokhtarian M., Ramli D., Rahimnejad M., and Najafpour G.D., “Bioelectricity Generation in Mediator less Microbial Fuel Cell: Application of Pure and Mixed Cultures.” Iranica Journal of Energy & Environment; Vol 3 (2), pp 104-108, 2012

24. Mokhtarian M., Ramli D., Rahimnejad M., and Najafpour G.D., “Bioelectricity Generation in Biological Fuel Cell with and without mediators.” World Applied Sciences Journal (2012); Vol. 18 (4), pp 559-567. https://doi.org/10.5829/idosiwasj.2012.18.04.1563

23. Tardast A., Najafpour G.D., Rahimnejad M. and Amiri A. “Bioelectrical Power Generation in a Membrane Less Microbial Fuel Cell.” World Applied Sciences Journal (2012); Vol. 16 (2), pp 179-82.

22. Rahimnejad M., Ghoreyshi A., Najafpour G.D., Shakeri M and Younesi H , “A Novel Microbial Fuel Cell Stack for Continuous Production of Clean Energy”. International Journal of Hydrogen Energy (2012); Vol. 278, pp 5992–6000. https://doi.org/10.1016/j.ijhydene.2011.12.154

21. Rahimnejad M., Ghasemi M ., Najafpour G.D., Ismaei M., Mohammad A.W., Ghoreyshi A.A and Sedkhy M,” Synthesis, characterization and application studies of self-made Fe3O/PES nanocomposite membranes in microbial fuel cell4 “. Electrochimical Acta (2012); Vol. 85, pp 700– 706. https://doi.org/10.1016/j.electacta.2011.08.036

20. Rahimpour M., Jahanshahi M., Rajaeian B and Rahimnejad M., “TiO2 entrapped nano-composite PVDF/SPES membranes: Preparation, characterization, antifouling and antibacterial properties.” Desalination (2011); Vol. 278, pp 343-353.
https://doi.org/10.1016/j.desal.2011.05.049

19. Ramli D., Najafpour G.D and Rahimnejad , “Clean energy for tomorrow: Toward zero emission and carbon free future: A review.” Iranica Journal of Energy and Environment (2011); Vol. 2 (3), pp 262-273.

18. Rahimnejad M., Najafpour G.D. and Ghoreyshi A, “Enhancement of microbial fuel cell for electrical output using mediators and oxidizing agents.” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (2011); Vol. 33, pp 2239-2248. https://doi.org/10.1080/15567036.2010.518223

17. Rahimnejad M., Ghoreyshi A., Najafpour G.D., Shakeri M. and Zareh H. “Metylen Blue as Electron Promoters in Microbial Fuel Cell.” International Journal of Hydrogen Energy (2011); Vol. 36, pp 13335-13341. https://doi.org/10.1016/j.ijhydene.2011.07.059

16. Rahimnejad M., Ghoreyshi A., Najafpour G.D and Jafary T., “Power generation from organic substrate in batch and continuous-flow microbial fuel cell operations.” Applied Energy (2011); Vol. 88, pp 3999-4004. https://doi.org/10.1016/j.apenergy.2011.04.017

15. Najafpour G.D., Rahimnejad M., Mokhtarian M., Ramli D and Ghoreyshi A., “Bioconversion of Whey to Electrical Energy in a Biofuel Cell Using Saccharomyces Cerevisiae.” World Applied Sciences Journal (2011); Vol. 8, pp 1-5.

14. Rahimnejad M., Jahanshahi M and Najafpour G.D., “Fabrication of Bovine Serum Albumin Nanoparticles Self-assembled Coacervation Method for Drug Delivery Systems.” Iranica Journal of Energy and Environment (2010); Vol. 6, pp 93-99.

13. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ramli D and Ghoreyshi A. “Effective parameters on performance of Microbial fuel cell.” IEEE (2010); Vol. 1,
pp 411-415. https://doi.org/10.1109/ICECS.2009.23

12. Mohamadi M., Rahimnejad M and Najafpour G.D “Immobilize P. acidi-propeonici in immobilize cell reactor and investigation kinetic model.” Iranica Journal of Energy and Environment (2010); Vol. 1 (1), pp 9-16.

11. Rahimnejad M., Jafary T., Hagparast F., Najafpour G.D.and Ghoreyshi A., “Nafion as a nanoproton conductor in microbial fuelcells”. Turkish Journal of Engineering and Environmental Science (2010); Vol. 34, pp 289-292. https://doi.org/10.3906/muh-1006-48

10. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ramli D and Ghoreyshi A. “Saccharomyces Cerevisiae power producer in Biological Fuel Cell.”, Iranian Chemical Engineering Journal (2010); Vol. 6, pp 93-99.

9. Zare H., Najafpour G.D., Ghoreyshi A.A., Rahimnejad M. and Heydarzadeh H.D., “Removal of Ethyl Acetate from the Contaminated Air Stream in a Biofilter with the Active Biofilm of Pseudomonas putida.” World Applied Sciences Journal (2009); Vol. 7, pp 132-139.

8. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ramli D and Ghoreyshi A, “Low Voltage Power Generation in a Biofuel Cell Using Anaerobic Cultures.”, World Applied Sciences Journal (2009); Vol. 6 (11), pp 1585-1588.

7. Rahimnejad M., Najafpour G.D and Jahanshahi M., “Evaluation of effective parameters on fabrication of BSA nanoparticles.” Nature, (nature preceding, 2009). https://doi.org/10.1038/npre.2009.2966.1

6. Ghasemi M., Najafpour G.D, Rahimnejad M., Beigi P., Sedighi M and Hashemiyeh B., “Effect of different media on production of lactic acid from whey by Lactobacillus bulgaricus”. African Journal of Biotechnology (2009); Vol. 8 (1), pp 81-84. https://doi.org/10.5897/AJB2009.000-9015

5. Ghasemi M., Rahimnejad M., Najafpour G.D, Sedighi M., Asadi M and Hashemiyeh B., “Investigation on batch biosorption of lead using Lactobacillius bulgaricus in an aqueous phase system.” BIOKEMISTRI (2008); Vol. 20 (2), pp 41-46.

4. Mohammadi M, Najafpour G.D., Asadi M., Rahimnejad M., Najafpour S and Pazouki M., “Production of organic acids in an immobilized cell reactor using Propionibacterium acidi-propionici.” African Journal of Biotechnology (2008); Vol. 7 (18), pp 3332-3338. https://doi.org/10.5897/AJB08.518

3. Jahanshahi M., Najafpour G.D and Rahimnejad M., “Applying the taguchi method for optimized fabrication of BSA nanoparticles as colloidal carrier”. African Journal of Biotechnology (2008); Vol. 7 (4), pp 362-367. https://doi.org/10.5897/AJB07.843

2. Movagharnejad K., Rahimnejad M. and Aghakhani G., “Universal behavior of the enthalpy of vaporization:An empirical equation”. Fluid Phase Equilibria (2007); Vol. 257

1. Rahimnejad M., Jahanshahi M and Najafpour G.D., “Production of biological nanoparticles from bovine serum albumine for drug delivery”. African Journal of Biotechnology (2006); Vol. 5 (20), pp 1918-1923. https://doi.org/10.5897/AJB2006.000-5072

Conferences:

99. Roshanravan B., Younesi H., Pyo S., Abdollahi M., Rahimnejad M, Improved performance of sulfonated polysulfone and metal-organic framework composite as a proton exchange membrane fuel cell”. International Conference Renewable Energy and distributed generation of Iran, Shahid Beheshti University, Tehran, Iran, (11-12 Jun 2019).

98. Rahimnejad M., Zokhtare R., Moghadamnia A., Asghary M," An Electrochemical Sensor based on Reduced Graphene Oxide Modified Carbon Paste Electrode for Determination of Curcumin in Human Blood Serumt". 1st International Conference on New Frontiers in Engineering, Science & Technology, New Delhi, India, (8-12 January 2018).

97. Asghary M, Raoof J, Ojani R, Rahimnejad M.," Development of Oxidizer-less and High Performance Microbial Fuel Cell by using Deoxyribonucleic Acid, as a Final Electron Acceptor in the Cathodic Compartment". 1st International Conference on New Frontiers in Engineering, Science & Technology, New Delhi, India, (8-12 January 2018).

96. Tofighi A., Rahimnejad M., Ghorbani M., Mashkor M., " Ternary nanotube α-MnO2/GO/AC AS an Excellent Alternative Composite Modifier for Cathode Electrode of Microbial Fuel cell". 3th national Heat and Mass transfer conference, Babol Noshirvani University of Technology, Babol, Iran (22-23 November 2017).

95. Tofighi A., Rahimnejad M., Ghorbani M., Mashkour M.," Synthesizing ternary nanotube α-MnO2/GO/AC as a cathode catalyst for microbial fuel cell" 2nd international and 10th national biotechnology conference, Iran ,Tehran University, Tehran, Iran (29-31 Aug 2017).

94. Mehrabi A., Rahimnejad M., Mohammadi M., Pourali M.," Fabrication electrochemical sensor for detection of flutamide and modification it with nanoparticles" 2nd international and 10th national biotechnology conference, Iran ,Tehran University, Tehran, Iran (29-31 Aug 2017).

93. Najafpour Gh., Rahimnejad M., Mohammadpour M., " Heterogeneous catalyst HZSM5 in biodiesel production from algal oil batch process ". 7th international science conference, Kathmandu University, Kathmandu, Nepal (10-11 Nov, 2017).

92. Rahimnejad M., Mashkor M., Najafpour Gh., Ghoreyshi A., " Fabrication of a Cellulosic Electrode for Microbial Fuel Cell as an Alternative to Graphite". 7th international science conference, Kathmandu University, Kathmandu, Nepal (10-11 Nov, 2017).

91. Pirzadeh K., Ghoreyshi A.A., Rahimnejad M., Mohamadi M.," Fabrication of Cu3(BTC)2 by electrochemical technique for CO2 and CH4 adsorption" 2nd international conference on nanotechnology and nanomaterials in Energy, Lyon, France (7-9 July 2017).

90. Rahimnejad M., Mohammadi M., Heydarifard H.," Investigation of H2S Separation Methods from Biogas to Supply Clean Fuel Sources" 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

89. Sadeghi M., Rahimnejad M.," Evaluation of polymeric and ceramic membrane performance using titanium and silver nanoparticles" 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

88. Mehrabi A., Rahimnejad M., Mohammadi M., Pourali S. M., " Carbon Glass electrode for detection of fluticasim anti-cancer drug by Electrochemical sensor" 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

87. Gharanjic M., Najafpour G., Rahimnejad M.," A review of different technologies for separation of CO2 from the flue gas output of power plants " 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

86. Ghafari A., Rahimnejad M.," Fluidized bed method for separation of Exosome " 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

85. Hejazi F., Ghoreyshi A.A., Rahimnejad M.," Biodegradation of Phenol in single chamber microbial fuel cell" 4th National Conference on Separation Science and Engineering, Babol Noshirvani University of Technology, Babol, Iran (24-25 May 2017).

84. Pirzadeh K., Ghoreyshi A.A., Rahimnejad M., Davoodi M.R.," Electrochemical synthesis of Cu3(BTC)2 metal organic framework for CO2 and CH4 adsorption" The Energy & Materials Research Conference- EMR2017,Nova University, Lisbon, Portugal (24-25 Jan 2017).

83. Rahimnejad M., Ghoreyshi A.A., Mashkour M.," Improving Microbial Fuel Cell efficiency by using of Modified Cathodes" The Energy & Materials Research Conference- EMR2017,Nova University, Lisbon, Portugal (24-25 Jan 2017).

82. Alipanahi R., Rahimnejad M., Najafpour G., Mashkour M.," Effect of sediment on performance of sediment microbial fuel cell." ETEC 2017 of Iran ,Tehran University, Tehran, Iran (24-25 Jan 2017).

81. Tofighi A., Rahimnejad M., Ghorbani M., Mashkour M.," Improving cathode catalyst instead of Pt in microbial fuel cell" ETEC 2017 of Iran ,Tehran University, Tehran, Iran (24-25 Jan 2017).

80. Asghari M., Raoof J., Rahimnejad M., Ojani R.," Enhanced performance of a duel chambered microbial fuel cell with ssDNA/CPE as bio-cathode ." 11 th Annual Electrochemistry Seminar of Iran ,Tarbiat Modares University, Tehran, Iran (18-19 Nov, 2015).

79. Rahimnejad M.," Microbial Fuel Cell a Reliable Source for Energy Recovery and waste water Treatment ". 3rd international congress on energy efficiency and energy related materials, FETHIYE, Mugla-Turkey (19-23 October, 2015). (Invited Speaker)

78. Birjandi N., Younesi H., Ghoreyshi A.,Rahimnejad M.," Using a microbial fuel cell with electro-Fenton process for COD removal and electricity production ". 3rd national Fuel cell congress , Tehran, Iran (13-14 May, 2015).

77. Roostaee M, Talebnia F., Rahimnejad M.," Comparing the performance of acetic acid and sulfuric acid in the extraction of pectin from orange peel". 1St international and 8 th National Biotechnology congress, Shahid Beheshti University, Tehran, Iran (24-26 May, 2015).

76. Roostaee M, Talebnia F., Rahimnejad M.," Extraction of value-added oils from orange peel ". 1St international and 8th National Biotechnology congress, Shahid Beheshti University, Tehran, Iran (24-26 May, 2015).

75. Ezoji H., Rahimnejad M., Asghari M., "Electrochemical determination of bisphenol A at carbon nanotube paste electrode." 1St international and 8 th National Biotechnology congress, Shahid Beheshti University, Tehran, Iran (24-26 May, 2015).

74. Mashkor M., Rahimnejad M., Mashkor M., Asghari M., "Use of Various Carbon Based Electrodes as Cathode in Microbial Fuel Cell ". 1St international and 8 th National Biotechnology congress, Shahid Beheshti University, Tehran, Iran (24-26 May, 2015).

73. Mashkor M., Rahimnejad M., Mashkor M., Asghari M., " Application of carbon based electrode as cathode in microbial fuel cell ". 8 th Iranian fuel cell Seminar, Islamic Azad University, Najafabad, Isfahan, Iran (25-26 February, 2015).

72. Rahimnejad M., Hassaninejad S.K., Izadi P., Ghoreyshi A., "Surfactant modified ZSM-5 nanozeolite in the modification of carbon paste electrode for determination of sulphide in waste water". Asian Nano Forum Conference, Kish, Iran (8-11 March 2015).

71. Hosseini Gholshan., Rahimnejad M., Sedighzadeh Asghar., "Nickel removal from soil by wheat ". 15th Iranian Chemical Engineering Congress, Tehran University, Tehran, Iran (17-20 February, 2015).

70. Aghili Fatemeh., Ghoreyshi Ali., Rahimpour Ahmad., Rahimnejad M., "Whey waste water treatment in MBR with activated carbon". First National Environment Conference, Isfahan, Iran (May 2014).

69. Payamani Majid., Azizi Shima., Rahimnejad M.,” Investigation of different geothermal energy to electrical energy conversion plants”. National conference on energy consumption optimization in science and engineering, Babol, Iran (Sep., 2014).

68. Payamani Majid., Azizi Shima., Rahimnejad M.,” Geothermal energy recovery from hot dry rocks area”. National conference on energy consumption optimization in science and engineering, Babol, Iran (Sep , 2014).

67. Payamani Majid., Peyghambarzadeh Mohsen., Rahimnejad M., ”Investigation different Geothermal energy regim and their application ”. 3 th Iranian Chemistry and Chemical Engineering congress, Ghochan, Iran (May, 2014).

66. Khaleghpanah Samira., Rahimnejad M., Farahbakhsh Afshin.,” application of nanoparticles for ethanol detection ”. 3 th Iranian Chemistry and Chemical Engineering congress, Ghochan, Iran (May, 2014).

65. Khaleghpanah Samira., Rahimnejad M., Farahbakhsh Afshin.,” Development of biosensor with alcohol oxidize and gold nanoparticle for ethanol detection ”. 10th Iranian Electrochemistry Seminar, Iran University of Science and Technology, Tehran, Iran (26-27 November, 2014).

64. Najafpour Gh., Rahimnejad M., Nouri Parisa.,” Bioelectricity Generation in Annulus Structure of Single Chamber Membrane-less Microbial Fuel Cell Using wastewater from Chocolate Industry ”. Linnaeus ECO-TECH 14, Kalmar, Sweden (November. 2014).

63. Najafgholi Z., Rahimnejad M., Najafpour Gh.,” Improvement Power Generation from Biochathode Sediment Microbial fuel cell.” Linnaeus ECO-TECH 14, Kalmar, Sweden (November. 2014).

62. Zare H., Najafpour G., Jahanshahi M., Rahimnejad M., Rezvani M.,” Enhasment of amperometric response of glucose biosensor by electrode position of silver nanoparticle on to chitosan-modie electrode.” Linnaeus ECO-TECH 14, Kalmar, Sweden (November. 2014).

61. Hassaninejad-Darzi S.K., Rahimnejad M., Mokhtari S.E.,” Electrocatalytic oxidation of formaldehyde onto carbon paste electrode modified with synthesized Ni-ZSM-5 nanozeolite”. 11th Iranian Biennial Electrochemistry Seminar, University of Guilan, Rasht, Iran (9-11 December, 2014).

60. Hassaninejad-Darzi S.K., Mokhtari S.E., Rahimnejad M.," Electrochemical behavior of carbon paste electrode modified with synthesis Ni-SAPO-34 nanozeolite toward electrocatalytic oxidation of methanol". 11th Iranian Biennial Electrochemistry Seminar, University of Guilan, Rasht, Iran (9-11 December, 2014).

59. Zare H., Najafpour G., Jahanshahi M., Rahimnejad M., "Electrochemical glucose biosensor based on enzyme entrapment with the aid of Chitosan". 13th International Conference on Clean Energy, Istanbul, Turkey (June, 2014).

58. Izadi P., Rahimnejad M., Ghoreyshi A., Najafpour G., "Microbial fuel cell as new source of power production and waste water treatment simultaneously". 13th International Conference on Clean Energy, Istanbul, Turkey (June. 2014).

57. Amani H., Khodam A., Rahimnejad M., Bakeri G., "Optimization of Biosurfactant production for crude oil recovery in water surface." 8th civil engineering confrence, Babol, Iran (May, 2014).

56. Izadi P., Rahimnejad M., Amani H., Bakeri G., Hassaninejad K., Talebni F," sulphide waste water treatment by microbial fuel cell technology and power production". 8th Civil Engineering Conference, Babol, Iran (May, 2014).

55. Kazemi A., Bakeri Gh, Rahimnejad M., Ismaeil F., Imeni S., "Separation of olefins from paraffin's by membrane contactors- A Review." 11th International conference on membrane science and technology (MST 2013), UTM, Malaysia (Aug. 2013).

54. Khalse R., Ghoreyshi A.A, Rahimnejad M.,"Modeling of Batch Fermentation for Ethanol Production". The first national conference in new technology in chemical and chemical engineering, Tehran, Iran (May. 2013).

53. Ghasem M., Rahimnejad M., Daud W., Fuzi A., Jafari Y., ," Ecomonimcal comparison power generation in microbial fuel cell by Nafion 117 and SPEEK". The 6th Iranian Fuel cell seminar, Tehran, Iran (March. 2013).

52. Izadi P., Rahimnejad M., Ghoreyshi A.,Najafpour G., Hassaninejad K., Ghasemi M," Electricity generation and sulfide removal bu dual chamber MFC". The 6th Iranian Fuel cell seminar, Tehran, Iran (March. 2013).

51. Najafgoli Z., Rahimnejad M., Najafpour G., Ghasemi M., Izadi P.," Investigation of electrolyte conductivity on performance of sediment MFC". The 6th Iranian Fuel cell seminar, Tehran, Iran (March. 2013).

50. Izadi P., Rahimnejad M., Hassaninejad K., Ghoreyshi A.,"Fabrication of new electrod for sulfate determination by potentiometric methode". The 8th national electrochemistery conference, Iran – Mazandaran University. (Jan. 2013).

49. Rahimnejad M., Mahdavi I., Pirzade K.," Synthesis of activated carbon from kivi skin and application of them for Pb removal at batch condition." The 6th national conference and exhibition on environmental engineering, Iran – Tehran University., (Nov. 2012).

48. Pirzade K., Najafpour G.D., Ghoreyshi A., Rahimnejad M.," Synthesis of activated carbon from sludge and application of them for phenol removal at batch condition ". The 6th national conference and exhibition on environmental engineering, Iran – Tehran university., (Nov. 2012).

47. Tardast A., Najafpour G.D., Rahimnejad M., Ghoreyshi A., Pirzade K." Bioelectricity production by Air cathode microbial fuel cell". Renewable Energy and Distributed Generation (ICREDG), Second Iranian Conference., Iran – Tehran university., (March. 2012).

46. Rahimnejad M., Najafpour G.D, Ghoreyshi A., Haghparast F.," Effect of electrode on microbial fuel cell performances "., The 14th congress of chemical engineering , Sharif University, Tehran. Iran, (Oct. 2012).

45. Shaeri M., Rahimnejad M., Alipour D.," Effect of different catalyst for biodiesel production as clean source of energy". The 3rd Iranian Bioenergy Conference, Iran - Tehran, (Oct. 2012).

44. Alipour D., Rahimnejad M., Shaeri M.," Investigation of different substrate for bioelectricity on microbial fuel cells". The 3rd Iranian Bioenergy Conference, Iran - Tehran., (Oct. 2012).

43. Mohamadpor M., Rahimnejad M., Najafpour G.," Review of biodiesel production and their effects on motors ". The 3rd Iranian Bioenergy Conference, Iran - Tehran, (Oct. 2012).

42. Najafgoli Z., Rahimnejad M., Najafpour G., Izadi P.," Sediments as new source of bioenergy". The 3rd Iranian Bioenergy Conference, Iran - Tehran, (Oct. 2012).

41. Tardast A., Najafpour G.D, Rahimnejad M., Ghoreyshi A., Zare H.," Electricity production by membrane less microbial fuel cell." International Conference on Enviromental Reserch and Technology (ICERT 2012), Malaysia – USM University, (June, 2012).

40. Zare H, Najafpour G.D, Rahimnejad M., Tardast A, Gillani S, Jafri T.," Biodegradation of ethyl acetate by pseudomnas putida in a biofilter packed with walnut shells". International Conference on Enviromental Reserch and Technology (ICERT 2012), Malaysia – USM University., (June, 2012).

39. Tardast A., Najafpour G.D., Rahimnejad M., Ghoreyshi A., Zare H.," Bioelectricity production by air cathode microbial fuel cell". 2nd International Conference on Renewable energy and distributed Generation (ICRED 2012), Tehran – Tehran university- Iran, (March, 2012).

38. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A., Oh s and Sedkhy S.A." Analysis of methylene blue as electron shuttle in microbial fuel cell with cyclic voltammeter". The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), Malaysia - Kuala Lumpur., (Nov., 2012).

37. Fatemi S., Ghoreyshi A.A., Najafpour G.D., Rahimnejad M., "Power generation by active biocatalyst in mediator less microbial fuel cell". The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), Malaysia - Kuala Lumpur., (Nov., 2012).

36. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A and Jafary, "Bioelectricity generation in biological fuel cell with and without mediators: a review". The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), Malaysia - Kuala Lumpur., (Nov., 2012).

35. Tardast A., Najafpour G.D., Rahimnejad M., "Production of bioelectricity in a novel membrane less microbial fuel cell". The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), Malaysia - Kuala Lumpur., (Nov., 2011).

34. Tardast A., Najafpour G.D., Rahimnejad M., Ghoreyshi A.A., and Fatemi S.," Production of bioelectricity in membrane less microbial fuel cell". The 2nd Iranian Bioenergy Conference, Iran - Tehran., (Oct., 2011).

33. Jafarg T., Najafpour G.D., Ghoreyshi A.A., Haghparast F., Rahimnejad M., Zareh H." Bioelectricity power generation from organic substrate in a Microbial fuel cell using Saccharomyces cerevisiae as biocatalysts". World Renewable Energy Congress, Sweden-Linkoping, (May, 2011).

32. Rahimnejad M., Najafpour G., Ghoreyshi A.A., Talebnia F., Bakeri Gh., Oh S.," Effect of Thionine as Electron Shuttle for production of Bioelectricity in Microbial Fuel Cell". The 5th Iranian Fuel cell seminar, Tehran, Iran (Feb., 2011).

31. Tardast A., Najafpour G., Rahimnejad M., Ghoreyshi A.A., Pirzade K.," Microbial fuel cell behavior by nural network". The 5th Iranian Fuel cell seminar, Tehran, Iran (Feb., 2011).

30. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A., Jafarg T., Haghparast F.," Effect of Different Oxidizer on Performance of Microbial Fuel Cell". 4th Iranian Fuel Cell Seminar, Tehran, Iran, (Nov., 2010).

29. Rahimnejad M., Najafpour G.D., Ghoreyshi A., Mokhtarian M. and Ramli W.," Effect of Neutral Red Concentration as Electron Shuttle in Microbial Fuel Cell. ", ICEEC 2010, Malaysia, (Nov., 2010).

28. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A., Jafarg T., Haghparast F." Microbial Fuel Cell a Reliable Source for Recovery of Electrical Power from Synthetic Wastewater", ECCE, Kalmar, Sweden, (Nov., 2010).

27. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A., Jafarg T., Haghparast F., Zareh H., Heydarzade H." Activated sludge as Biocatalyst in Microbial Fuel Cell"., ECCE, Prague, Czech Republic., (Agu. 2010).

26. Rahimnejad M., Najafpour G.D., Ghoreyshi A.A and Zareh H. "Metylen Blue as Electron Promoters in Microbial Fuel Cell", 3rd Iranian Fuel Cell Seminar, Tehran, Iran, (Oct. 2010).

25. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ghoreyshi A and Ramli W." Effective parameters on performance of Microbial fuel cel ". , The 2nd International Conference on Environmental and Computer Science, Doubey., (Dec. 2009).

24. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ghoreyshi A and Ramli W." Power generation from whey in a Microbial fuel cell", Recent Advances in Environmental Protection, India, (Dec. 2009).

23. Movagharnejad K., Rahimnejad M., Mohamadi M.," Educational Software for Simulation of Interacting Population Models ", The 6th international chemical engineering congress and exhibition , Kish island, Iran., (Nov., 2009).

22. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ghoreyshi A and Ramli W.," Waste water treatment and production of bioelectricity simultaneously", First International congress on advances in waste water treatment and reuse, Tehran., (Nov., 2009).

21. Rahimnejad M., Mokhtarian M., Najafpour G.D., Ghoreyshi A and Ramli W.," Waste water treatment and power generation from cheese processing waste water using biological fuel cell technology ", 1st International Congress on Advances in Waste Water Treatment and Reuse, Iran-Tehran, (Nov., 2009).

20. Najafpour G.D., Rahimnejad M., Mokhtarian M., Ghoreyshi A and Ramli W.," Bioconversion of Whey to Electrical Energy in a Biofuel Cell using Saccharomyces Cerevisiae "., 5th International Symposium on Biotechnology, Pakistan, (Oct., 2009).

19. Ghasemi M., Rahimnejad M. and Sedighi M., "Effect of pH and Biomass weight of Lactobacillius bulgaricus on Biosorption of Lead.", The 6th congress of biotechnology, Iran- Tehran., (Aug., 2009).

18. Rahimnejad M., Ghasemi M., Mokhtarian M. and Zareh H., "Production of Protein Nanoparticles for Food and Drug Delivery System"., International congress 0f food and hygiene , Iran-Tehran, (Apr., 2009).

17. Rahimnejad M., Ghasemi M., Najafpour G.D., Ghoreyshi A and Mokhtarian M. and Ramli.W.," Application of anaerobic Bacteria in a Biofuel Cell for Generation of Low Voltages "., International congress on environment, Malaysia., (Dec., 2008).

16. Rahimnejad M., Ghasemi M, Najafpour G.D, Ghoreyshi A and Mokhtarian N. " Electrical power from biofuel Cell, the environmental friendly source of energy", International congress on environment, Malaysia., (Dec., 2008).

15. Ghasemi M., Najafpour G.D, Rahimnejad M., Sedighi M, Asadi M and Rezaee.S.P, " Effect of pH and Biomass weight of Lactobacillius bulgaricus on Biosorption of Lead "., The 12th congress of chemical engineering ,Iran- Tabriz., (Oct., 2008).

14. Rahimnejad M., Mokhtarian N., Najafpour G.D., Ghoreyshi A.A., Ghasemi M., Sharifzade M.," Saccharomyces cerevisiae as power and current generator in microbial fuel cell". First Iranian Fuel Cell Seminar, Tehran, Iran, (Jan., 2008).

13. Sharifzade M., Rahimnejad M., and Ghasemi M., "Nanobiocatalyst in Biological fuel cell". First Iranian Fuel Cell Seminar, Tehran, Iran, (Jan., 2008).

12. Ghasemi M., Najafpour G.D, Younesi H, Rahimnejad M. and Rezaee S.P. "Influence of Yeast Extract concentration on Lactic Acid Production fromWhey in Batch Reactor by Lactobacillius bulgaricus "., The 12th congress of chemical engineering, Iran-Tabriz., (Oct., 2008).

11. Rahimnejad M. "Production of DME from methanol", National congress of modern research about chemical engineering, Iran-Mahshahr., (May, 2008).

10. Rashidi M and Rahimnejad M.," Investigation of different methods for separation of H2S in membrane systems"., The national congress of modern research about chemical engineering, Iran-Mahshahr., (May, 2008).

9. Rashidi M and Rahimnejad M., “Increase of activity of cellulose with immobilize them on chitozane nanoparticle.”, The 1th International congress on Nanobiotechnology, Iran-Jouybar., (May, 2008).

8. Rahimnejad M., Rashidi M and Mohamadi M.,” Investigation of different methods for production of protein nanoparticel as drug vehicles”, The 1st International Congress on Nanobiotechnology, Iran-Jouybar., (May, 2008).

7. Rahimnejad M., Jahanshahi M and Hajizadeh S.” Fabrication of BSA protein nano-particle characterized by FTIR and AFM”, The 1th International Congress on Nanoscience & Nantechnology Tehran., (Dec., 2006).

6. Rahimnejad M. and Jahanshahi M., ”Optimize the BSA protein nano-particle characterized by FTIR and AFM”, The 11th congress of chemical engineering, Tehran., (Nov., 2006).

5. Rahimnejad M. and Jahanshahi M.,” Fabrication and Optimization BSA Nanoparticles as Drug Delivery Systems”, The 11th congress of chemical engineering, Tehran, (Nov., 2006).

4. Jahanshahi M., Rahimnejad M. and Hajizadeh S., ”Optimize the fabrication of BSA nano structure by taguchi methods”, 1th International conference on Bionanotechnology Emirat., (Nov., 2006).

3. Jahanshahi M., Najafpour G., Hajizadeh S. and Rahimnejad M. “Optimisation of BSA nanoparticle fabrication as drug delivery vehicles”, Nanobiotechnology conference, France, (June, 2006).

2. Jahanshahi M., Hajizadeh S. and Rahimnejad M. “Fabrication of BSA Nanostructure: Study of Optimization Parameters”, The 8th International Conference on Nanostructured Materials, India, (Aug., 2006).

1. ahanshahi M., Mehdinia M. and Rahimnejad M. “Adsorbent Desing Implication for The Recovery of Nanoparticle Bioproducts”, The10th congress of chemical engineering, Zahedan, I.R.I., (Nov., 2005).

HIGHLY QUALIFIED PERSONNEL SUPERVISION

Ph. D. students

- Fabrication of alginate-based wound dressing with drug release using electrospinning technique. (Mona Sadeghi, Current).
- Design and fabrication of an electrochemical sensor modified by nanocomposite for simultaneous determination of heavy metals in aqueous samples. (Ali Nourbakhsh, Current).

- Optimization of effective parameters on superficial characteristics of crude oil during EOR through microbial method (Mahboubeh Alizadeh Tir, Current).
- Cathode enhancement by photo catalyst nanocomposite for waste water treatment and electricity generation in a photo hybrided microbial fuel cell (Elaheh Fallah, 2021).
- Fabrication of supercapacitors based on cellulose nanocomposites for use in biological fuel cell. (Mehrdad Mashkour, 2021).
- Design and fabrication of biosensor for detection an antimigraine drug, Rizatriptan benzoate in biological samples (Maedeh Nouri, 2020).
- Design and fabrication of a self-powered electrochemical biosensor for determination of DNA damage. (Hoda Ezoji, 2020).
- Design and construction of a new generation of nanobiosensor and evaluating its performance for Gabapenti detection (Atieh Zabiollahpour, 2020).
- Synthesis of sulfonated graphene oxide-sulfonated polyether ether ketone (SGO-SPEEK) composite polymer membrane to increase efficiency of a microbial fuel cell in industrialwastewater treatment. (Mehri Shabani, 2019).
- Synthesis of amine-functionalized metal organic framework for storage and separation of carbon dioxide from nitrogen (Kasra Pirzadeh, 2019).
- Application of three-chamber microbial fuel cell and electricity generation and ammonium and chemical oxygen demand removal from aqueous solutions. (Nahid Navidjoy, 2019)
- Performance improvement of anodic chamber and oxidant removal from cathodic chamber in dual chamber microbial fuel cell and its use in onstruction of self-powered and portable DNA biosensor to diagnose genetic defects based on gold nanoparticles modified graphite electrode (Maryam Asghary, 2017).
- Medicinal Herb WastewaterTreatment in a Bioelectro-Fenton System along with Power Generation (Nooshin Birjandi, 2015).
- Synthesis of a new generation of functionalized polyaniline nanoparticles and their antimicrobial properties (Mohammad Soleimani 2013)

M.Sc. students

- Improvement in performance of microbial fuel cell using photocatalytic characteristics (Neda Taqavi, Current).
- mprovement in performance of sediment microbial fuel cell using electrode modifications (Deris Abdollahi, Current).
- Fabrication of electrochemical sensor for detection of antiepileptic drug and its modification with nanoparticles and different modifiers (Elham Rasouli, Current).
- Fabrication of nanomaterials modified Electrochemical sensors for detection of heavy metal ions in ground water resources. (Fatemh Amiri, Current).

- Using microfluidic paper-based analytical devices for drug detection (Fatemeh Ghorbani, Current)
- Synthesis and evaluation of a scaffold as wound dressing and evaluation of its effect on wound healing. (Mojgan Oshrieh, Current).
- Synthesis of a wound dressing scaffold and to evaluate its effect on wound healing (Mohammad Hosseini, Current).
- Designing and fabricating a single chamber membraneless microbial fuel cell forbiological wastewater treatment and electricity generation simultaneously (Mahsa Masoudi, 2020).
- Fabrication of electrochemical sensor for detection of anticoagulant drugs and its modification with nanoparticles and different modifiers (Mehraneh Hashemi 2019).
- Using Deep Eutectic Solvents to remove heavy metals from waste via employing carbon nanomaterial (Neda Rahmati, 2019).
- Determination of an anticancer drug by using electrochemical sensor and applying microbial fuel cell as a biosensor based on a carbon paste electrode (Marjan Fallah, 2019).
- Preparation and optimization of electrode with nanoparticle for electrochemical detection of agricultural pesticides (Fatemeh Zahirifar 2018).
- lectrochemical-Based Detection of Protein Secretion in Microfluidic Platforms (Amir Ghaffari, 2018).
- Enhancing the performance of sediment microbial fuel cell by manipulating its configuration (Rasool Alipanahi, 2017).
- Water reclamation from cattle manure wastewater using aerobic granular SBR and photo-fenton process (Ali Matinfar 2017).
- Laboratory study of aqueous biphasic system for antibiotic isolation (Sanaz Edrisi, 2017)
- Fabrication of electrochemical sensor for detection of anticancer drugs and modified it with nanoparticles (Afshan Mehrabi, 2017).
- Elimination of Phenol from aqueous solution in a microbial fuel cell. (Fatemeh Hejazi, 2017).
- Fabrication of curcumin sensor with Electrochemical technique in blood serum and comparison of the results with other methods (Rozan Zokhtare, 2016).
- Bio-mediated synthesis of zinc phosphate components nanoparticles. (Mona Sadeghi, 2016).
- Synthesis and study of a nanostructure scaffold and evaluation of biological effect for wound healing. (Soheila Mohammadyani, 2016).
- Fabrication of biosensor based on modified electrodes for determination of Bisphenol A in rat blood serum (Hoda Ezoji, 2016).
- Extraction of curcumin from turmeric by subcritical water method (Mohammad Valizdeh, 2015)
- Production of value added chemicals from citrus wastes (Mohammad Roostaee 2015).
- Experimental study on the effect of nano metal oxides (aluminium oxide, titanium oxide) on the heat transfer in a double tube heat exchanger (Alireza Faramarzi 2015).

- Fabrication of semiconducting Nanobio composite based on Bacterial Cellulose and its application as electrode in Microbial Fuel Cell (Mehrdad Mashkour, 2015).
- Simultaneous determination of carbamazepine, pramipexole and acetaminophen drugs using modified carbon paste electrode with ZSM-5 nanozeolite and TiO2 nanoparticles by voltammetrics methods (Farshad Shajie, 2015).
- Investigation of Streptococcus sangus bacterium by photodynamic method using 5-aminovolonic acid with the help of LED light source (Parisa Mataji, 2014)
- Electrocatalyti oxidation of formaldehyde and ethanol on modified carbon paste electrode with nickel-porous NS phosphate VSB-5 and multi-walled carbon nanotubes nano-porous molecular sieving (Mojtaba Gholami, 2014).
- Preparation and evaluation of biological nano particle from thyme oil (Atieh Neshati, 2014).
- Production of alkaline protease enzyme by Bacillus.sp from starchy wastes (Zahra Jafari, 2014).
- Synthesis of silicoaluminophosphat molecular sieves in nano dimensions and their applications (Elham Mokhtari, 2014)
- Fabrication of alcohol biosensor based on glassy carbon electrode modified by gold nanoparticles to determine ethanol of drinks (Samira khaleghpanah, 2014).
- Investigation of Streptococcus mutans bacterial destruction by photodynamic method (Mohammad Reza Kardgar, 2014).
- Membrane bioreactor using membrane-activated carbon hybrid for the treatment of industrial wastewater (Fatemeh aghili, 2014).
- Hydrogen production in microbial electrolysis cells (Fatemeh Hamze Saravi, 2014).
- Experimental investigation of the effective parameters associated with the simultaneous electricity generation and chocolate industry wastewater treatment and using batch annular single chamber microbial fuel cell (Parisa Nouri, 2014).
- Preparation enzyme cocktails to degrade cellulosic materials (Mehdi Kabiri, 2014).
- Feasibility study of Phytoremediation of radioactive contaminated soils by Native Plants in Iran (Golshan Hosseini, 2014).
- Modelling and simulation of fuel cells with consideration of biological and electrochemical interactions (Sara Ahangari, 2013).
- Fabrication of Lab Scale Sediment microbial fuel cell (Zahra Najafgholi, 2013).
- Biodiesel production from cholza seeds with the aid of catalytic methods in batch system in the presence of HZSM5 (Meghdad Mohammadpour, 2013).
- Membrane bioreactor modelling for biofuel production (Roghaye Khalseh,2013).
- Sulfur elimination for bioelectricity production simultaneously by Microbial Fuel Cell. (Paniz Izadi, 2013)
- Ethanol production from sorghum stem broom by sugar fermentation method resulting from acid hydrolysis (Saeedeh sadat Riazi, 2012).

PROFESSIONAL MEMBERSHIP

1) Member of Iranian talented student
2) Member of Iranian Biotechnology Society
3) Member of Iranian Chemical Engineering Society
4) Member of Iranian Nanotechnology Society

COMPUTING SKILLS

- Windows Office
- Programming using C++, Matlab
- Internet
- Simulation by Aspen
- Simulation by HYSYS

REFEREES

Dr. Gh. Najafpour, Full Professor, Department of Chemical Eng., Babol Noshirvani University of Technology, PO.Box: 484, Babol, Iran. E-mails: najafpour8@yahoo.com, najafpour@nit.ac.ir

Dr. San Sang-Eun Oh, Full Professor, Department of Biological Environment Kangwon National University, Chuncheon, South Korea. ohsangeun@kangwon.ac.kr

Dr. A Ghoreyshi, Full Professor, Department of Chemical Eng., Babol Noshirvani University of Technology, PO.Box: 484, Babol, Iran. E-mails: aa_ghoreyshi@yahoo.com, aa_ghoreyshi@nit.ac.ir

Dr. M. Jahanshahi, Full Professor, Department of Chemical Eng., Babol Noshirvani University of Technology, PO.Box: 484, Babol, Iran. E-mail: mmohse@yahoo.com

INTERESTS

Movies, News, Reading, Internet

SPORTS

Swimming, Running, Gym

WORLD TRAVEL

France, Portugal, Spain, Italy, South Korea, Singapore, Emirate, Pakistan, India, Nepal, Turkey, Austria, Slovakia, Saudi Arabia, Erbil, Quarter, Russia, Czech Republic, Germany