



Mohammad Rabiee

Associate Professor
Department of Biomedical Engineering

Phone:

h-index (Scopus):

64

Citations (Scopus):

46808

Supervised PhD Theses

#	Thesis title	By	Date
1	Design and fabrication of immunosensor based on polystyrene/dendrimer nanofibers for early detection of biological factors	Pouyan Razmshoar Other Supervisor: S.Hajir Bahrami	February 2023

Supervised MSc Theses

#	Thesis title	By	Date
1	Fabrication of a non-invasive optical sensor for early diagnosis of newborn jaundice based on characteristics of facial color changes	Nazanin Alishahi	October 2024
2	Fabrication of a non-invasive optical sensor for early diagnosis of anemia	Fatemeh Keneshloo	September 2024
3	Synthesis and characterization of carbon dots derived from natural resources for biosensing applications	Zahra Ghaffari	June 2023
4	Fabrication and characterization of a non-invasive hydrogel-based sensor for detection of pulmonary disease-related VOC gases	Shaghayegh Hodjat	October 2022
5	design,fabrication and evaluation of niosomal nanocarriers containing hyaluronic acid and retinyl palmitate to make spray solution for skin rejuvenation	Amirabas Tanha	July 2022
6	Construction and characterization of filters for wearable dialysis device	Seyyed Mehdi Mousavi	February 2022

7	Fabrication and characterization of a non-invasive sensor for detection of pulmonary disease-related VOC gases	Nima Zakeri	October 2021
8	Synthesis and characterization of electroactive hydrogel based on alginate for cardiac cell therapy	Negin Jalilinejad	September 2021
9	design, preparation and characterization of Silk Fibroin/Carboxymethyl cellulose scaffold for skin tissue engineering	Paniz Farshi Oskoei	June 2021
10	Design and fabrication of a nanobiosensor for detection of chronic inflammatory disorder biomarker based on optical systems	Negar Namaeighasemnia	September 2020
11	fabrication of a rapid optical test strips for detection of gluten ? of patients with coeliac disease	Arefe Momeni	June 2020
12	construction and characterzation of nano-capsules containing a Melitropic drug through the nasal mucosa	Samira Khalaji	June 2019
13	design and fabrication the suspention microarray based nanobiosensor for Gliadin of celiac Disease detection	Maryam Kharati	January 2019
14	Design and fabrication of nanobiosensor based on suspension microarrays for early diagnosis of Alzheimers disease	Atieh Vafajoo	November 2017
15	synthesis and functionalizing of fluorescent nanoparticles for detection of genetic diseases	Azin Rostami	September 2017
16	Design and fabrication of non-invasive optical nanobiosensor by using natural phenolic compound for blood glucose detection	Seyedeh Zahra Mirmohammadi Berenjestanaki	February 2017
17	Design and fabrication of nanobiosensor based on Fe3O4 nanoparticles by using electrochemical method for glucose detection	Niuosha Sanaeifar	September 2016
18	Design and fabrication of noninvasive electrochemical nanobiosensor for blood glucose detection	Sepideh Poursadeghian	September 2016
19	Bone Tissue Engineering Based on Poly caprolacton- Bio Ceramic to make nanocomposites that used in dentistry	Sanam Mohandesnezhad	February 2016
20	Study and Research of Hemostatic Patches	Yalda Azari Kasmaee	October 2015
21	Intelligent Heart Attack prediction System Using Data Mining and Neuro-Fuzzy system	Marjan Azami Fakhri	May 2015
22	Early diagnosis of lower extremities ulcers in patient with diabetes type 2 thermography	Pooran Behzadi	May 2015
23	Design a Multi biosensor for detection of Billirubin &Phenylalanine in the newborn	Mehrnoush Lotfi	May 2015
24	, Study on the effect of environment temperature on the response to electrical signals, glucose oxidase, Biosensors models and find a way to eliminate the influence of temperature	Maryam Boland Raftar	March 2015
25	Evaluation of medicinal plant extraction and production of Gelatin nanocapsules containing medicinal plant extracts for the control of Epilepsy	Houri Nejat	January 2015
26	Classification of diagnostic kits and study about theirstructure"	Shirin Haghshenas	October 2014
27	Targeted drug delivery using ceramic nanoparticles for cancer treatment	Fatemeh Arabasadi	October 2014

28	Design and production of controlled drug delivery nano system for osteoporosis treatment	Seyede Faranak Baniahmad	August 2014
29	Fabrication of a gelatin-polycaprolactone composite containing graphene family nanomaterials as a neural tissue scaffold	Sepeedah Soltanian-Zadeh	July 2014
30	Design and Construction measurement system for the biosensors based on enzymatic glucose oxidase by measuring changes in electrical potential and current	Hamid Reza Moshayedi	May 2014
31	Design and implementation of Database for automatad&portable system to receive, store, interpret, and alert relevant information signals for diagnosis of patients with diabetes	Ladan Soltanzadeh	May 2014
32	Evaluation of anti-cancer drug delivery systems based on layered double hydroxide	Monireh Karim Zade Ghochani	May 2014
33	manufactur of micro electrods for enzyme diagnosis	Ehsan Afsahri	February 2014
34	Fabrication and properties characterizing of electrospun polycaprolactone(PCL) nanofibers for tendon tissue engineering	Hessam Hosseinkazemi	January 2014
35	Fabrication and characterization of enzymatic hydrogels for biological diagnosis	Safoura Pourzadegan Firouzabadi	October 2013
36	Design and fabrication of polymeric microneedles for trapeutical	Sarvnaz Chavoshi Nojeh Other Supervisor: Mehdi Rafizadeh	October 2013
37	Design and production database for patient with sleep apnea	Meshkat Nemati	October 2013
38	,modeling and Investigation of fabrication of biological patches for therapeutic application	Zahra Davoudi	October 2013
39	Designing Teleconsultation system for Breast Cancer	Shabnam Noroozi	October 2013
40	Designing and manufacturing the systems of detecting blood glucose	Mohammad Nasiri Sarvi	October 2013
41	Design,feasibility and test of an online laboratory network to facilitate communication between physucian and patient	Mohammad Rauf Zamani	October 2013
42	Standard development aid in crisis situations	Hoopand Shahriari	October 2013
43	Suitability of Emergency Telecommunications Services Centers in High-Risk Roads Leading To the Metropolitan of Ahvaz through GIS	Zahra Najarzadeh	May 2013
44	Provide guidelines for the development of distal locke kuntcher orthopedics	Darya Madadi	May 2013
45	Design and implementation of GIS for disease information management in hospital network and healthcare centers	Sareh Aminzadeh	May 2013
46	IT architecture and standards in smart hospitals	Mostafa Bahmanabadi	May 2013
47	Evaluation and thechnical Analyze of quality control and calibration test results of Medical equipment installed at shohada-e- Ashayer hospital in Khorramabad city	Shiva Khosravinia	May 2013

48	Design the information registration system and reporting family planning client to pilot two numbe Mashhad health center	Azade Sadat Rasooli	April 2013
49	Standard of Infusion and Syringe pumps	Hojat Nakhost Lotfi	March 2013
50	Software designed to extract the neonates diagnosis, analysis and class of diseases in the Taleghani hospital in Tabriz	Naireh Rajabi Alasti	February 2013
51	Design, simulation ,experimental study and manufacturing of medical and custommade mattress in consideration of ergonomic factors	Omid Joforush	October 2012
52	The standard of relief and rescue ambulances in crisis	Seyed Ali Mirfattahi	May 2012
53	Design and modeling of a desposable glucose strip	Shima Kabirimarani	May 2012
54	Evaluation Of Biomaterials Used In Atieh Hospital	Farokh Sadat Falsafi	May 2012
55	The Study of Implementing process of Telecommunication in Rasoul Akram Hospital	Milad Sadeghi Makki	May 2012
56	Synthesis of CdS & ZnS nano-particles for making a kit for diagnosis of aflatoxin in meat	Mohammad Tavakkoliyaraki Other Supervisor: Mohammad Hosseini	January 2012
57	A study on the effect of different patterns of electrospun nanofibers as a scffold on mesenchymal stem cells behavior	Yasaman Zamani	October 2011
58	Tracking and investigating the causes of MS disease through blood analysis of environmental factors using instrumental methods ICP, GC, Spectorophotometry	Massoud Hakimdavood	October 2011
59	Tracking and investigating the causes of MS disease through blood analysis of environmental factors using instumental methods IC,GC,Spectorophotomtry	Shahnaz Ghorbanzadeh Shish	October 2011
60	An approach to the use of biodegradable polymers in fabrication of microneedles	Elham Khodabakhsh	September 2011
61	Performance review of magnetic nanoparticles in medical applications and cell interaction	Zahra Parvizi	September 2011
62	Hydrogels for Biosensors (Thermal sensitive)	Azadeh Jamale	September 2011
63	Optimizing the performance of electrochemical biosensors using a contionus	Amin Feizpour	May 2011
64	Choosing the right fluorescent light & scan its fluorescent coruscation of Genetics Microarrays(GM) crops in the diagnosis of chronic diseases	Sepideh Samaei	May 2011
65	Developing an EEGs grand mal epilepsy signs detector software	Tahereh Irankhah	May 2011
66	Design of practical Model to Setup the Scurity System of an Academic Hospitals Information based on Information Security Management in Health Standard	Vahid Habibifar	May 2011
67	Diagnosis and Investigation of Effective Genes about Multiple Sclerosis	Golnaz Talebian	May 2011
68	Investigation of manufacturing an optical sensor based on luminescence phenomena to determine Aflatoxin levels in pistachio	Marzieh Pourcheriki Other Supervisor: Mohammad Hosseini	October 2010
69	Virtual Reality in Rehabilitation	Imaneh Jabbarjarjani	October 2010

70	Design and implementation of national data base software for non governmental center of mental handicaps in welfare organization	Fateme Sharifi	May 2010
71	Preparation of nano composite scaffold base on gelatin & sol-gel derived bioactive glass in the ternary system & investigation of its bioactivity	Masoud Mozaffari	May 2010
72	Preparation & characterization of polysaccharid Hydrocaolloid gel based on Agar as an impression	Saide Azamat Miri Ghale Sari Other Supervisor: City Mir Mohamad Sadeghi	April 2010
73	Investigation properties of cyanoacrylate – bioactive glass fibber composite	Masoud Rashidi Fard Other Supervisor: Fathollah Moztarzadeh	March 2010
74	Synthesis and optimization of CdSe/ZnS(core-shell) nanoparticle quantum dot for construction of cancer nanobiosensor	Farzad Yousefi Gharebaghi	January 2010
75	biosynthesis of CdS nanoparticales & the survey of conjunction to cancerous	Malika Iloukhani	January 2010
76	Designing a model for developing health coding systems in Iran based on ontology	Hossein Riazi	December 2009
77	preparation of nano composite scaffold base on gelatin and bioactive glass and investigation of its properties	Saeed Maleknia	October 2009
78	Designing of a stsndard pattern for hospital Establishment in Iran based on AHP (Analitical Hierarchy Process)	Leila Yoosefi	October 2009
79	Release behavior of dopamine from PLGA nanoparticles for parkinson disease	Darya Zeini	June 2009
80	designing the integrated system for monitoring and controlling the DIABETIC patients around the country	Shirin Ayani	May 2009
81	Evaluation of effedcts of different dosses of antibiotic on setting bahavior and drug delivery of injectable nanocalium phosphate bone cements	Setareh Sarshar Other Supervisor: Fathollah Moztarzadeh	April 2009
82	Investigation of manufacturing an optical sensor based on Luminescence Phenomena to determine Aflatoxin Levels in Pistachio	Azadeh Bassam Other Supervisor: Mohammad Hosseini	January 2009
83	A Study into Fabrication of Glucose Biosensor Electrochemical Electrodes	Mahdi Alizadeh Other Supervisor: Fathollah Moztarzadeh	December 2008
84	optimization of ureas lyers for construction of urea nanobiosensor	Mansoureh Hekmat Pazhouh	November 2008
85	Comprative investigation of information transfer which is necessary for iso (14000,18000) at three Kerman hospitals	Forogh Aletaha Koohvanani	September 2008
86	synthesis and coating of ZnS nano-semiconductors on quartz crystal substrate for diagnostic applications	Mandana Agahi	July 2008
87	Synthesis and coating of Cds phosphorescence nanocrystals on glass substrate for application in nano biosensors	Meysam Karimi	May 2008
88	Designing a multimedia, interactive, information &diagnostic assistant system structured in a website for Attention Deficit/ Hyper activity Disorder	Ladan Jalali	April 2008

89	A comparative study of 2 and 3 components nanocomposite scaffolds based on PVA, Gel and HA biomimetically synthesized	Seyed Ali Poursamar	March 2008
90	Preparation and characterization of magnesium containing sol-gel derived bioglass	Amin Saboori Other Supervisor: Fariba Orang	February 2008
91	Designing a mobile Physician Order Entry (MPOE) system with limited functionalities	Sasan Khayyambashi	October 2007

Books

#	Title	Author(s)	Publisher country	publication date	version
1	biomedical Applications of Microfluidic Devices(Microarray technologies chapter 4)	Mohammad Rabiee, Azin Rostami, Navid Rabiee, Mojtaba Bagherzadeh	United Kingdom	November 2020	1
2	biomedical Applications of Microfluidic Devices(Microfluidics:Organ-on-a-chip chapter 5)	Shahin Aghamiri, Navid Rabiee, Sepideh Ahmadi, Mohammad Rabiee, Mojtaba Bagherzadeh, Mahdi Karimi	United Kingdom	November 2020	1
3	biomedical Applications of Microfluidic Devices(Synthetic Devices :Synthetic approaches chapter 2)	Shahin Aghamiri, Navid Rabiee, Sepideh Ahmadi, Mohammad Rabiee, Mojtaba Bagherzadeh, Mahdi Karimi	United Kingdom	November 2020	1
4	biomedical Applications of Microfluidic Devices(an overview of microfluidic devices chapter 1)	Saeid Maghsoudi, Navid Rabiee, Sepideh Ahmadi, Mohammad Rabiee, Mojtaba Bagherzadeh, Mahdi Karimi	United Kingdom	November 2020	1
5	biomedical Applications of Microfluidic Devices(microfluidic devices and drug delivery chapter 7)	Mohammad Rabiee, Negar Namaeighasemnia, Navid Rabiee, Mojtaba Bagherzadeh	United Kingdom	November 2020	1
6	Dentistry - C ompatibility testing - P art 1 : Metal - ceramic systems	Ghasem Sadeghi, Maryam Ahmadi, Zahra Ahmadi, Hosein Eskandari, Ayoob Javid Nia, Shahnaz Heidari, Yaser Heidari Dashtestani, Elham Khademi Moghadam, Saber Khedri, Marzieh Deilami, Mohammad Rabiee, Sedigheh Rostami, Kobra Rezaee, Zeynab Rezaee, Ghodrato	Iran (Islamic Republic of)	February 2014	1
7	Injection equipment for medical use - P art 1 : Ampoules for injectables	Mojgan Ghasemi, Maryam Ahmadi, Zahra Ahmadi, Fatemeh Ahmadi, Akram Chali, Farid Hosein Pour Nayeri, Shahnaz Heidari, Elham Khademi Moghadam, Mohammad Rabiee, Sedigheh Rostami, Rahim Faraji, Seied Ali Mojabi, Seied Shahab Moenian, Mojgan Nik Ravesh	Iran (Islamic Republic of)	February 2014	1
8	injection equipment for medical use-one-point-cut(OPC) ampoules	Mojgan Ghasemi, Maryam Ahmadi, Zahra Ahmadi, Fatemeh Ahmadi, Akram Chali, Farid Hosein Pour Nayeri, Shahnaz Heidari, Elham Khademi Moghadam, Mohammad Rabiee, Sedighe Rostami, Rahim Faraji, Seied Ali Mojabi, Seied Shahab Moenian, Mojgan Nik Ravesh	Iran (Islamic Republic of)	February 2014	1

9	application of molecular detection new technology in medicine	Mohammad Rabiee, Sanati Mohamad Hosein, Pour Jahed Atefe	Iran (Islamic Republic of)	December 2012	1
10	medical vehicles and their equipments-ambulances	Mohammad Rabiee, Korosh Hazegh Jafari, Zahra Agheshti, Jamile Ayazi, Sepehr Tehranchi, Reza Tavasoli, Mahnaz Sadat Hoseini, Mahmoud Reza Haghghi, Mohammad Haghghi, Hasan Zarin Mehr, Mohammad Sorour, Amir Hosein Salamat, Mohammad Reza Samie, Nasim Samie	Iran (Islamic Republic of)	November 2011	2

Journal Papers

- Shiva Aghazadeh, Hooshang Nosraty, Azita Asayesh, **Mohammad Rabiee**, "Effect of Structural Parameters on the Auxetic Behavior of Weft-Knitted Fabrics Based on Foldable Structures", *Fibers and Polymers*, December 2024 vol. -, no. 0, pp.1-11, 2024.
- Azin Rostami, **Mohammad Rabiee**, "Anthocyanins extract as a non-toxic and green fluorescent label for bioimaging of HER2-positive breast cancer cells", *Environmental Research*, August 2023 vol. 237, no. 5, pp.1-20, 2023.
- Saeed Maghsoudi, Biology Of Breathing Group, Childrens Hospital Research Institute Of Manitoba (Chrim), University O, فاطمه رامج, Massomeh Nazarabi, Yousef Fatahi, Omid Akhavan, **Mohammad Rabiee**, Ebrahim Mostafavi, Eder C.Lima, Mohammad Reza Saeb, Navid Rabiee, "A review on computer-aided chemogenomics and drug repositioning for rational COVID-19 drug discovery", *Chemical Biology & Drug Design*, August 2023 vol. 100, no. 5, pp.699-721, 2023.
- Amirabas Tanha, **Mohammad Rabiee**, Azin Rostami, Sepideh Ahmadi, "A green-based approach for noninvasive skin rejuvenation: Potential application of hyaluronic acid", *Environmental Research*, June 2023 vol. 234, no. 1, pp.1-20, 2023.
- Navid Rabiee, Rajni Sharma, Sahar Foorgi Nejad, Maryam Jouyandeh, Mohsen Asad Nia, **Mohammad Rabiee**, Omid Akhavan, Eder C.Lima, Kerzysztof Formela, Milad Ashrafi Zadeh, Zari Fallah, Mahnaz Hasanpour, Abbas Mohammadi, Mohammadreza Saeb, "Green and Sustainable Membranes: A review", *Environmental Research*, May 2023 vol. 231, no. 2, pp.1-20, 2023.
- Pouyan Razmshoar, Fatma Besbes, Anis Madasi, Rym Mlika, S.Hajir Bahrami, **Mohammad Rabiee**, Marie Martin, Abdelhamid Errachid, Nicole Jaffrezic-Renault, "A conductometric enzymatic methanol sensor based on polystyrene - PAMAM dendritic polymer electrospun nanofibers", *Talanta*, May 2023 vol. 260, no. 124630, pp.1-6, 2023.
- Sepideh Ahmadi, Majid Ebrahimi Warkiani, **Mohammad Rabiee**, Siavash Irvani, Navid Rabiee, "Carbon-based nanomaterials against SARS-CoV-2: Therapeutic and diagnostic applications", *Opennano*, February 2023 vol. 10, no. 1, pp.1-25, 2023.
- Soheil Sojdeh, Ali Banitalebi Dehkordi, Alireza Badiei, Ali Zarrabi, Pouyan Makvandi, Milad Ashrafizadeh, Mohammad Reza Saeb, Eder C.Lima, **Mohammad Rabiee**, Mohsen Asadi Nia, Thomas J Webster, Navid Rabiee, "N-doped carbon nanospheres as selective fluorescent probes for mercury detection in contaminated aqueous media: chemistry, fluorescence probing, cell line patterning, and liver tissue interaction", *Environmental Science and Pollution Research*, January 2023 vol. 30, no. 14, pp.1-13, 2023.
- Maryam Jouyandeh, S. Mohammad Sajadi, Farzad Seidi, Sajad Habibzadeh, Muhammad Tajammal Munir, Otman Abida, Sepideh Ahmadi, Daria Kowalkowska-Zedler, Navid Rabiee, **Mohammad Rabiee**, Golnaz Heidari, Mahnaz Hassanpour, Ehsan Nazarzadeh Zare, Mohammad Reza Saeb, "Metal nanoparticles-assisted early diagnosis of diseases", *Opennano*, November 2022 vol. 8, no. 1, pp.100104-100131, 2022.
- Pouyan Razmshoar, S.Hajir Bahrami, **Mohammad Rabiee**, Isaac A.M. Fria, Marie Hangouet, Marie Martin, François Bessueille, Abdelhamid Errachid, Nicole Jaffrezic-Renault, "An impedimetric immunosensor based on PAMAM decorated 2 electrospun polystyrene fibers for detection of interleukin-10 cytokine", *Journal of Electroanalytical Chemistry*, November 2022 vol. 926, no. 116953, pp.1-11, 2022.
- Mahtab Ghasemi, Atefe Tavakoli, Hossein Mohammadghasemi, Anita Karimi, Jafar Ai, **Mohammad Rabiee**, Navid Rabiee, "Recent approaches to mRNA vaccine delivery by lipid-based vectors prepared by continuous-flow microfluidic devices", *Future Medicinal Chemistry*, October 2022 vol. 14, no. 21, pp.1561-1581, 2022.

- 12 Mostafa Saeedi, Omid Vahidi, Mohammad Reza Moghbeli, Sepideh Ahmadi, Mohsen Asadnia, Omid Akhavan, Farzad Seidi, **Mohammad Rabiee**, Mohammad Reza Saeb, Thomas .J. Webster, Rajender S . Varma, Esmaeel Sharifi, Ali Zarrabi, Navid Rabiee, "Customizing nano-chitosan for sustainable drug delivery", *Journal of Controlled Release*, August 2022 vol. 350, no. 1, pp.175-192, 2022.
- 13 Mohsen Khodadadi Yazdi, S. Mohammad Sajadi, Farzad Seidi, Navid Rabiee, Yousef Fatahi, **Mohammad Rabiee**, C.D. Midhun Dominic, Payam Zarrintaj, Krzysztof Formela, Mohammad Reza Saeb, Sidi A. Bencherif, "Clickable polysaccharides for biomedical applications A comprehensive review", *Progress In Polymer Science*, August 2022 vol. 133, no. 1, pp.1-37, 2022.
- 14 Kousar Ghasemii, Mahdieh Darroudi, Ilnaz Rahimmanesh, Matineh Ghomi, Mahnaz Hassanpour , Esmaeel Sharifi , Satar Yousefiasl, Sepideh Ahmadi, Ali Zarrabi, Assunta Borzacchiello, **Mohammad Rabiee**, Ana Claudia ´ Paiva-Santos, Navid Rabiee, "Advances in aptamer-based drug delivery vehicles for cancer therapy", *Biomaterials Advances*, August 2022 vol. 140, no. 1, pp.1-19, 2022.
- 15 Navid Rabiee, Omid Akhavan , Yousef Fatahi, Amir Mohammad Ghadiri , Mahsa Kiani, Pooyan Makvandi, **Mohammad Rabiee**, Mohammad Hossein Nicknam, Mohammad Reza Saeb, Rajender S. Varma, Milad Ashrafzadeh, Ehsan Nazarzadeh Zare , Esmaeel Sharifi, Eder C. Lima, "CaZnO-based nanoghosts for the detection of ssDNA, pCRISPR and recombinant SARS-CoV-2 spike antigen and targeted delivery of doxorubicin", *Chemosphere*, July 2022 vol. 306, no. 1, pp.1-11, 2022.
- 16 Navid Rabiee, Yousef Fatahi, Sepideh Ahmadi, Nikzad Abbariki, Amirhossein Ojaghi, **Mohammad Rabiee**, Fatemeh Radmanesh, Rassoul Dinarvand, Mojtaba Bagherzadeh, Ebrahim Mostafavi, Milad Ashrafzadeh, Pooyan Makvandi, Eder C. Lima, Mohammad Reza Saeb, "Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen", *Science of The Total Environment*, June 2022 vol. 825, no. 153902, pp.1-12, 2022.
- 17 Negin Jalilinejad, **Mohammad Rabiee**, Nafise Bahiraei, Ramin Ghahremanzadeh, Reza Salarian, Navid Rabiee, Omid Akhavan, Payam Zarintash, Alexander Hejna, Mohammad Reza Saeb, Ali Zarrabi, Esmaeel Sharifi, Sattar Yousefi Asl, Ehsan Nazarzadeh Zare, "Electrically conductive carbon-based (bio)-nanomaterials for cardiac tissue engineering", *Bioengineering & Translational Medicine*, May 2022 vol. 8, no. 1, pp.1-39, 2022.
- 18 Arefe Momeni, Mohammad Rostami?Nejad, Reza Salarian, Elham Aghamohammadi, **Mohammad Rabiee**, Mohammad Reza Zali, , Navid Rabiee, Franklin R. Tay, Pooyan Makvandi, "Gold-based nanoplatform for a rapid lateral flow immunochromatographic test assay for gluten detection", *Bmc Biomedical Engineering*, May 2022 vol. 4, no. 5, pp.1-11, 2022.
- 19 Jonathan M. Kocarnik, Kelly Compton, Frances E. Dean, Weijia Fu, Brian L. Gaw, James D. Harvey, Hannah Jacqueline Henrikson, Dan Lu, Alyssa Pennini, **Mohammad Rabiee**, "Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability , and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019 A Systematic Analysis for the Global Burden of Disease Study 2019", *Jama Oncology*, March 2022 vol. 8, no. 3, pp.420-444, 2022.
- 20 Ewerton Cousin, Bruce B Duncan, Caroline Stein, Kanyin Liane Ong, Theo Vos, Cristiana Abbafati, Mohsen Abbasi-Kangevari, Amir Abdoli, Rami Abd-Rabu, **Mohammad Rabiee**, "Diabetes mortality and trends before 25 years of age: and analysis of the Global Burden of Disease Study 2019", *Lancet Diabetes & Endocrinology*, February 2022 vol. 10, no. 3, pp.177-192, 2022.
- 21 Elysia M Alvarez, Lisa M Force, Rixing Xu, Kelly Compton, Hannah Jacqueline Henrikson, Jonathan M Kocarnik, James D Harvey, Alyssa Pennini, Frances E Dean, **Mohammad Rabiee**, "The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019", *Lancet Oncology*, February 2022 vol. 23, no. 1, pp.27-52, 2022.
- 22 Pouyan Razmshoar, S.Hajir Bahrami, **Mohammad Rabiee**, Marie Hangouet, Marie Martin, Abdelhamid Errachid, Nicole Jaffrezic-Renault, "A novel electrochemical immunosensor for ultrasensitive detection of tumor necrosis factor a based on polystyrene - PAMAM dendritic polymer blend nanofibers", *Microchemical Journal*, January 2022 vol. 175, no. 1, pp.1-10, 2022.
- 23 Pouyan Razmshoar, S.Hajir Bahrami, **Mohammad Rabiee**, Marie Hangouet, Marie Martin, Guy Raffin, Abdelhamid Errachid, Nicol Jaffrezic - Renault, "Novel platform based on polystyrene electrospun nanofibrous mats doped with PAMAM dendritic polymer for enhanced immunosensing", *Applied Surface Science*, December 2021 vol. 579, no. 152221, pp.1-13, 2021.
- 24 Navid Rabiee, **Mohammad Rabiee**, Soheil Sojdeh, Yousef Fatahi, Rassoul Dinarvand, Moein Safarkhani, Sepideh Ahmadi, Hossein Daneshgar, Fatemeh Radmanesh, Saeid Maghsoudi, ,Mojtaba Bagherzadeh, Rajender S. Varma, Ebrahim Mostafavi, "Porphyrin molecules decorated on metal-organic frameworks for multi-functional biomedical applications", *Biomolecules*, November 2021 vol. 11, no. 11, pp.1-15, 2021.

- 25 Maedeh Rahimnejad, Narges Nasrollahi Boroujeni, Sepideh Jahangiri, Navid Rabiee, **Mohammad Rabiee**, Pooyan Makvandi, Omid Akhavan, Rajender S. Varma, "Prevascularized micro-/nano sized spheroid/bead aggregates for vascular tissue engineering", *Nano-Micro Letters*, August 2021 vol. 13, no. 182, pp.1-24, 2021.
- 26 Hedyeh Ebrahimi, Zahra Aryan, Sahar Saeedi Moghaddam, Catherine Bisignano, Shahabeddin Rezaei, Farhad Pishgar, Lisa M Force, Hassan Abolhassani, Eman Abu-Gharbieh, **Mohammad Rabiee**, "Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019", *Lancet Respiratory Medicine*, August 2021 vol. 9, no. 9, pp.1030-1049, 2021.
- 27 Mohammad Reza Saeb, Navid Rabiee, Farzad Seidi, Bahareh Farasati Far, Mojtaba Bagherzadeh, Eder G. Lima, **Mohammad Rabiee**, "Green CoNi2S4/Prophyrin Decorated Carbon-based Nanocomposites for Genetic Materials Detection", *Journal of Bioresources and Bioproducts*, June 2021 vol. 6, no. 3, pp.215-222, 2021.
- 28 Haile, Lydia M., Kaloyan Kamenov, Paul Svitil Briant, Aislyn U Orji, Jaimie D Steinmetz, Amir Abdoli, Mohammad Abdollahi, Eman Abu-Gharbieh, Ashkan Afshin, **Mohammad Rabiee**, "Hearing loss prevalence and years lived with disability, 1990–2019: findings from the Global Burden of Disease Study 2019", *Lancet*, March 2021 vol. 397, no. 10278, pp.996-1009, 2021.
- 29 Sepideh Ahmadi, Navid Rabiee, Yousef Fatahi, Seyyed Emad Hooshmand, Mojtaba Bagherzadeh, **Mohammad Rabiee**, Vahid Jajarmi, Rassoul Dinarvand, Sajad Habibzadeh, Mohammad Reza Saeb, Rajender S.Varma, Mohammadreza Shokouhimehr, Michael R. Hamblin, "Green chemistry and coronavirus", *Sustainable Chemistry and Pharmacy*, March 2021 vol. 21, no. 1, pp.1-16, 2021.
- 30 Seyede Faranak Baniahmad, Soroor Yousefi, **Mohammad Rabiee**, Seyede Sara Shafiei, Shahab Faghihi, "Alendronate Sodium Intercalation in Layered Double Hydroxide/Poly (?-caprolactone): Application in Osteoporosis Treatment", *Iranian Journal of Biotechnology*, March 2021 vol. 19, no. 1, pp.48-59, 2021.
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- 18 Sepeedah Soltanian-Zadeh, Zahrasadat Ghazali, **Mohammad Rabiee**, Masoud Mozafari, Mohammad Reza Nazem Zadeh, Fathollah Moztarzadeh, "Poly(? -Caprolactone) Nanofibers Embedded with Graphene Oxide Nanosheets for Nerve Tissue Engineering Applications," *36th annual international conference of the IEEE engineering in medicine and biology society*, August 2014.
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- 33 Mahshid Koochaksaraei, Mohammad Rabiee, "Role Of IT In Crisis Management,", *second telemedicine conference, bioresonance seminar and modern medical diagnoses, seminar on health tourism*, May 2014.
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Taught Courses

#	Course title	Description	Headlines	Date
1	Biosensor	In this course, students become familiar with biosensors and their application.		Fall 2024
2	Applied Chemistry in Biomaterials (II)	Organic chemistry and biochemistry and relation with bio materials		Fall 2024
3	Polymers in Biomedical Engineering	introduction to polymers and their application in medicine		Fall 2024
4	Degradation of Biomaterials in Biological Environments	Familiarity of students with the phenomena of biomaterial degradation in the body		Spring 2024
5	Standards of Biomaterial	Familiarity with the standards and its application in medical devices		Spring 2024
6	Standards of Biomaterial	Familiarity with the standards and its application in medical devices		Spring 2025
7	Degradation of Biomaterials in Biological Environments	Familiarity of students with the phenomena of biomaterial degradation in the body		Spring 2025