

Postdoctoral Projects

Approval date	Title	Faculty/ Center	Supervisor	Postdoc Student	Row
2022/4/18	Nanoscale metal-Organic frameworks as fluorescence sensors for determination of tetracycline residue in honey	Nutrition Research Centre	Prof. Ali Ehsani	Samira Tizchangh	1
2022/3/7	Study of solubility, thermodynamic properties, and stability of non-steroidal anti-inflammatory drugs in solvent mixtures and prediction using general cosolvency models	Pharmaceutical Analysis Research Center	Prof. Mohammad Barzeghare Jalali	Behrouz Seyfinejad	2
2022/7/30	Study and investigation of pharmaceutical properties of pyrazole based metal complexes	Faculty of Pharmacy	Prof. Ali Shayanfar	Monireh Ghorbanpour	3
2024/5/4	to study the epidemiological pattern and nutritional factors of outcomes among traumatic brain injury survivors: a prospective cohort study	Road Traffic Injury Resarch Center	Prof. Hasan Soleymanpour	Elham Afsar	4
2024/5/20	Preparation of a chitosan-alginate hydrogel modified graphene oxide nanocomposite for controlled NIR light-triggered release of mesenchymal stem cells secretome for wound healing: The combination of photothermal therapy and cell secretome in NIR-sensitive nanocomposite platform	Faculty of pharmacy	Prof. Soodabeh Davaran	Tanaz Sadeghi Rad	5
2024/1/1	Development of new methods based on nanomaterials in authenticating and adulteration of milk using image analysis by smartphone	Pharmaceutical Analysis Research Center	Prof. Ali Shayanfar	Sanaz Sajedi	6
2024/1/15	Evaluation of the efficiency of in situ hydrogels based on natural polymer using click reactions containing curcumin-loaded chitosan microspheres for bone tissue engineering	Research Center for Pharmaceutual Nanotechnology	Prof. Yousef Javadzadeh	Nazanin Amiryaghobi	7
2023/12/8	Design and Fabrication of Gelatin-Based Scaffolds for Colorectal Cancer Spheroids	Faculty of Advanced, Medical Sciences	Prof. Reza Rahbar Ghazi	Parisa Mohammad Jafariyeh	8

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2022/9/8	Development of analytical methods for pharmacokinetic studies of anti-epileptic drugs	Pharmaceutical Analysis Research Center	Prof. Mohammad Barzegar Jalali	Rogyeh Amini	9
2024/2/19	Development of a mobile phone image analysis method for the detection and determination of opioids concentration using carbon-based nanomaterials	Pharmaceutical Analysis Research Center	Prof. Abolghasem Jouyban	Yasamin Sefid Sefidekhan	10
2022/10/31	Antisolvent recrystallization of some iohexol derivatives in biodegradable deep eutectic solvents and some traditional polyol-based organic solvents	Pharmaceutical Analysis Research Center	Prof. Mohammad barzeghar jalali	Parisa Jafari	11
2024/1/15	Design and development of paper-based electroanalytical strips using molecularly imprinted polymers for the detection of streptomycin and tetracycline in food and the environment	Drug Applied Research Center	Dr. Jafar Ezzati Nazhad Dolatabadi	Mina Adampour	12
2024/11/19	Investigation of fluoride concentration and its removal from drinking water using new nanoabsorbents	Faculty of pharmacy	Prof. Soodabeh Davaran	Elahe Gholamiyan	13
2024/7/3	Formulation of Feta cheese by substitution of milk protein with plant protein	Faculty of Nutrition	Prof. Aziz Homayouni-Radi	Vahideh Sarabi	14
2023/8/7	Computational modeling for controlling and individualizing of post- stroke rehabilitation using tDCS	Nerosciences Research Center	Prof. Mahnaz Talebi	Mahsa khorampanah	15
2024/5/20	Preparation of a chitosan-alginate hydrogel modified graphene oxide nanocomposite for controlled NIR light-triggered release of mesenchymal stem cells secretome for wound healing: The combination of photothermal therapy and cell secretome in NIR-sensitive nanocomposite platformS	Faculty of pharmacy	Prof. Soodabeh Davaran	Tanaz Sadeghi	16

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2015/7/12	shikonin/erlotinib loaded HER2/antibody or aptamer armed multi-functional nanocarriers for the targeted therapy of ovarian cancer: IN-Vitro investigation to In-Vivo application	Research Center for pharmaceutical Nanotechnology	Prof. yadollah Omid	Marziyeh Fathi	17
2016/4/28	development of some quantum dot based sensors for determination of antiepileptic drug	Pharmaceutical Analysis Research Center	Prof. Abolghasem Joyban	Azam Samadi	18
2016/5/1	possibility of using breath condensate samples to check for drugs of abuse	Pharmaceutical Analysis Research Center	Prof. Abolghasem Joyban	Samin Hamidi	19
2016/11/19	preparation and in-vitro evaluation of osteoinductive hydrogel nanocomposites using biodegradable polymers based on silica nanopores containing electroconductive polymers as the scaffold for hard tissue engineering	Faculty of pharmacy	Prof. Sodabeh Davaran	Maryam Allahverdi	20
2016/9/24	smart injectable hydrogels based on modified chitosan novel drug delivery systems for breast cancer therapy	Research Center for Pharmaceutical Nanotechnology	Prof. Zhaleh Barar	Marziyeh Fathi	21
2017/2/19	design, synthesis and biological investigation of coumarin and chromene derivatives, molecular docking and QSAR studies	Biotechnology Research Center	Prof. Siyavash Dastmalchi	Leyla Dinparast	22
2017/2/19	Purification and identification of steroidal saponins from <i>Ruscus woronow hyrcanus</i> and investigation of their effect on rabbit carotid atherosclerosis	Neurosciences Research Center	Prof. Hosein Nazemiyeh	Babak Bahadori	23
2017/3/15	lipid carriers (NLC) containing essence of tea tree (<i>Melaleuca alternifolia</i>) and pomegranate (<i>Punica granatum</i>) and evaluation in vitro antibacterial and in vivo anti-acne effects of these structures	Faculty of Pharmacy	Prof. Farzaneh Lotfipour	Solmaz Maleki	24

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2017/4/27	Study of dissolution thermodynamics and prediction of drug's solubility using the general cosolvency model	Faculty of Pharmacy	Prof. Mohammad Barzegar Jalali	Elaheh Rahimpour	25
2017/9/23	Preparation of Cellulose Agent Nanocrystals as pH-Sensitive Carriers containing Methotrexate	Drug Applied Research Center	Prof. Abolfazl Akbarzadeh	Sevil Vaghefi	26
2017/9/23	Dispersive solid phase extraction by metal-organic framework derived porous functionalized carbon adsorbent for selective extraction of methamphetamine from biological urine sample coupled by high performance liquid chromatography	Biotechnology Research Center	Prof. Yousef Javadzadeh	Arezo Taghvimi	27
2017/9/23	Comparison of optical properties of amorphous and crystalline InP/ZnS quantum dots for simultaneous diagnosis and therapy of cancer cells	Research Center for pharmaceutical Nanotechnology	Prof. Sodabeh Davaran	Zahra Ranjbarnavazi	28
2018/3/11	Solubilization of drugs using ionic liquids and thermodynamic analysis of dissolution in water + ionic liquid mixtures	Faculty of pharmacy	Prof. mohammad barzeghar jalali	Narjes Mir Heydari	29
2018/2/20	Designing and optimizing a green microalgal specific plasmid for production of human interleukin 2	Research Center for pharmaceutical Nanotechnology	Prof. khosro Adibkiya	Jabber Dehghani	30
2018/2/20	The effects of anti-CD44 siRNA containing polymeric nanoparticles (PEI) on inhibition of breast cancer tumors in Nude Mice model	Immunology Research Center	Prof, Behzad Baradaran	Shaho Ghahramani Dehbekri	31
2018/2/20	Synthesis of metal nanoclusters and investigation on their applications in therapeutic drug monitoring	Faculty of Dentistry	Prof. Shahriyar Shahi	Baharak Divband	33
2018/2/20	Evaluation of CHO cells Productivity and Survival under depletion of BAK/BAX genes and XBP-1S overexpression using CRISPR/CAS9	Drug Applied Research Center	Prof. Safar Farajniya	Vahideh Ahmadzadeh	34

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2018/2/20	Optimization of functional milk chocolate formulation	Faculty of Nutrition	Prof. Homayoniyeh Rad	Haniyeh Rasoli Piroziyan	35
2018/2/20	Development of biosensor-based method for highly sensitive/specific detection of microRNA: Clinical application of biosensors in lung cancer early diagnosis	Tuberculosis and Lung Diseases Research Center	Prof. Zarghami	Roghayeh Shirvanlilo	36
2018/9/29	Design and fabrication of immunochromatographic kit for early detection of lung cancer	Immunology Research Center	Prof. Behzad Baradaran	Tohid Mahmoudi	37
2018/10/23	Targeting of breast cancer cell lines using folate conjugated nanoparticles	Faculty Of Pharmacy	Prof. Parvin Zakeri	Elnaz Fagghafori	38
2019/1/2	Developing of plasmonic and photonic crystal based biosensors for detection of biomarkers	Faculty Of Pharmacy	Prof. Rashidi	Farzaneh Fathi	39
2019/1/26	Determination of β -lactams, in foodstuff using dispersive liquid-liquid microextraction and liquid chromatography-tandem mass spectrometry	Food and Drug Safety Research Center	Prof. Naser Samadi	Amin Khatibi	40
2019/10/23	Formulation and evaluation of cephalexin-loaded transferosomal nanohydrogel for transdermal delivery	Faculty of Pharmacy	Prof. Mitra jelveghari	Sara Salatin	41
2019/1/24	The impact of Nrf2/PD-L1 pathway suppression to overcome Oxaliplatin resistance in colon cancer cells	Immunology Research Center	Prof. Naser Samadi	Zahra Payandeh	42
2019/5/11	TLR3 inhibit MiR143 and Let 7 a on NF-KB/HIF pathway in sepsis	Immunology Research Center	Prof. AtaMahmoudpour	Ali Namvaran Abasabad	43
2019/5/11	Synthesis and characterization of hyaluronic acid hydrogel nanoscaffolds and their role in odontoblastic differentiation of dental pulp stem cells	Dental and Periodontal Research Center	Prof. Mohammad Samie	Elham Ahmadiyan	44

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2019/5/22	Study of the thermodynamic and solubility of some nonsteroidal anti-inflammatory low water soluble drugs in a mixture of solvents and in the presence of micelles	Pharmaceutual Analysis Research Center	Prof. mohammad Barzegar Jalali	Elnaz mazaher	45
2019/11/14	Determinants of the increasing trend in the occurrence of congenital anomalies in the northwest of Iran over the last two decades	Tabriz Health Services Management Research Center	Prf. Saeed Dastghiri	Zohreh Jahanafrouz	46
2019/12/7	Fabrication and evaluation of polypropylactone/zinc doped hydroxyapatite-reduced graphene oxide nanocomposite containing doxorubicin for bone scaffold applications	Research Center for pharmaceutical Nanotechnology	Prof. Khosro Adibkiya	Hosein Malekiye Ghaleh	47
2019/12/7	Production of carrageenan edible coating impregnated with protein hydrolysate of spirulina encapsulated into nanoliposomes for enhancement of physicochemical properties and shelf-life of berries	Pharmaceutual Analysis Research Center	Prof. Hamed Hamishe kar	Maryam Mohammadi	48
2020/1/27	The effect of mitotherapy on cognitive outcomes in photothrombotic model of mPFC stroke in mice	Pharmaceutual Analysis Research Center	Prof. Rashidi	Saheleh sssheykhizadeh	49