

Dr. Sara Bahrainian, PharmD, Pharmaceutics Ph.D.

Assistant Professor at Department of Food and Drug Control
 Faculty of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

Primary Email: bahrainian@ajums.ac.ir
 Telephone Number: +98 61 33112278
 Mobile Number: +98 937 2249454



Google Scholar Profile:	https://scholar.google.com/citations?user=JVj1-k4AAAAJ&hl=en
Research Gate Profile:	https://www.researchgate.net/profile/Sara-Bahrainian-2
LinkedIn Profile:	https://www.linkedin.com/in/sara-bahrainian-99a2909a
Orcid Profile:	https://orcid.org/0000-0001-7774-9464
Scopus Profile:	https://www.scopus.com/authid/detail.uri?authorId=57192592087
Iranian Scientometrics:	https://isid.research.ac.ir/Sara_Bahrainian

SUMMARY

Dedicated PhD Formulation Scientist, Researcher, and Educator with over 8 years of advanced formulation research experience and academic teaching. Specialized in project design, management, and execution, with a focus on translating evidence into practical applications. Fluent in verbal and written English, French, and Arabic.

My expertise include knowledge of ICH guidelines, critical thinking, problem-solving, and analytics, supported by 13+ peer-reviewed articles (Google Scholar), 22+ conference presentations, and 10 published books. My Ph.D. in Pharmaceutical Sciences has equipped me with skills in managing project timelines, writing in compliance with regulatory standards and organizational SOPs, coordinating review cycles, and advising project teams.

EDUCATION

Ph.D., Pharmaceutics, School of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, Jan 2015 - Sep 2021

Advisors: Dr. Kambiz Gilani, Dr. Mohammadreza Rouini, Dr. Mohammadreza Fazeli & Dr. Sima Sadrai

GPA: 17.34/20

Thesis Title: Vancomycin carrier-free dry powder formulation for inhalation: Preparation, in-vitro characterization and pharmacokinetic studies

Abstract

Introduction: Topical deliveries for the treatment of pulmonary infections are expanding. The benefits and safety of this drug delivery method have been proven in many cases and various products are currently available in the market. Due to the benefits of dry powder inhalers (DPIs), drug design for the treatment of chronic lung infections is more inclined to produce this drug form.

In this research, vancomycin was selected as the model drug for drug delivery design for high-dose drug delivery to the lungs, due to its appropriate efficacy in respiratory infections, especially against methicillin-resistant *Staphylococcus aureus*. Since the required dose of this drug is relatively high and it is not possible to use a carrier for formulation, the particle engineering method using a spray dryer was used to design the formulations. Patents and research claim that different percentages of sugars can produce small particles with good density and dispersion. Therefore, we examined the effect of these sugar compounds along with other parameters in the process.

Methods: The optimum formulation containing vancomycin along with three excipients was obtained by experimental design and after preparation, the inhalation properties of this formulation was investigated. The amounts of MIC, MBC, inhibitory concentrations and biofilm degradation were measured for different formulations. Finally, the resulting formulation was administered to rats by intravenous and intratracheal routes and the changes of vancomycin concentration in plasma and lung were evaluated.

Results: A formula containing %29.61 trehalose, %17.39 hydroxypropyl beta-cyclodextrin and 20% dipalmitoyl phosphatidylcholine alongside vancomycin with an aqueous solution of pH 4 was obtained as the optimum formulation. The presence of these excipients had a significant effect on the inhalation properties and resulted in better powder to dispersion. In microbial tests, vancomycin and various formulations prepared had similar efficacy against MRSA. In animal tests, following pulmonary administration, higher concentrations of antibiotics were induced in the lung (higher C_{max} and AUC), while plasma concentrations were lower than intravenous administration.

Conclusion: The results demonstrated that the presence of hydroxypropyl beta-cyclodextrin and dipalmitoyl phosphatidylcholine in certain amounts can improve the dispersibility of the resulting powder. Also, local delivery of vancomycin to the lungs resulted in a higher drug concentration in the lung and at the same time reduces the systemic side effects of high doses and microbial resistance due to lower plasma concentration.

Keywords: Vancomycin, dry powder inhaler, hydroxypropyl beta-cyclodextrin, dipalmitoyl phosphatidylcholine, pulmonary delivery, MRSA

PharmD, School of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, Sep 2010 - Jan 2015

Advisors: Dr. Maryam Kouchak & Dr. Mohammadreza Abbaspour

GPA: 17.35/20

Thesis Title: Preparation and characterization of fast dissolving dimenhydrinate nanofibers by electrospinning technique

Abstract

Background: Oral drug delivery is the most preferred drug delivery route due to its convenience and ease of use. Fast dissolving drug delivery systems are formulated for rapid onset of drug acting and the lack of need for water as they rapidly dissolve in saliva and their drug is absorbed through the mucosa of the mouth. These drug delivery systems come in various dosage forms, where the most common are fast dissolving tablets, films and nanofibers.

Objective: The aim of this study was to prepare and characterize nanofibers of dimenhydrinate for fast dissolving drug delivery.

Materials and Methods: In this research, fast dissolving nanofibers were made with dimenhydrinate as the drug using PVP and PVA polymers as base by electrospinning technique. Morphology tests and specifying the nanofiber diameter using SEM, DSC measurements, pH, disintegration and dissolution times were used to identify the nanofibers' quality.

Results: The appearance and stability of the nanofibers were acceptable and SEM images showed that PVA-based nanofibers were smooth but had crystalline drug particles on the surface. Though the disintegration rates were low, PVP-based nanofibers showed a fast release of dimenhydrinate, but PVA-based nanofibers gradually released the drug. DSC thermograms showed the presence of dimenhydrinate in amorphous state in PVP-based nanofibers that was not observed in PVA-based nanofibers.

Conclusion: PVP-based nanofibers are able to rapidly release the loaded drug and PVA-based nanofibers are not suitable for fast dissolving drug delivery.

Keywords: Electrospinning, Fast dissolve, Nanofibers, PVP, PVA, Dimenhydrinate

RESEARCH SKILLS SUMMARY

- Great experience with various formulations such as Solid Dosage Forms (Effervescent Tablets, Capsules, Buccal/Sublingual Films), Liquid Dosage Forms (Mouthwashes, Solutions, ...), Semisolid Dosage Forms (Creams, Ointments, Suppositories, ...), Cosmetics (Lipstick, Foams, Solutions, Gels, Patches, ...), Dry Powder Inhalers (DPIs) and Novel Formulations (Solid Lipid Nanoparticles, Nanofibers, ...)
- Great understanding in formulation development and process optimization in a preclinical and early development context
- Thorough knowledge of the relevant techniques and regulations required for formulation development, in particular the creation of processes that can be scaled up for advanced stages
- Great evaluation of scientific literature to help prepare formulation development projects
- Proficiency in ICH-GCP requirements and medical terminology
- Proficient in regulatory requirements, scientific literature analysis, and experimental design (DoE approach) to drive innovative formulation strategies
- Writing and managing CTD profiles
- Writing in compliance with regulatory standards and organizational SOPs

- Comprehensive knowledge of phase 1-4 clinical trials and regulatory approval process (FDA and EMA)

PUBLICATIONS

Journal Papers

1. **"APPLICATION OF NEUTRAL ELECTROLYZED WATER ENHANCED WITH ORGANIC ACIDS AS AN ANTIBACTERIAL ACTIVITY FOR CHICKEN BREAST PRESERVATION"**, Noori, Seyyed Mohammad Ali, Hashemi, Mohammad, Dousti Noori, Maliheh, Seyedtabib, Maryam, Adibi, Shiva, **Bahrainian, Sara ***, Abedi-Firoozjah, Reza, Tavassoli, Milad, *Journal of Food Science And Technology (Springer)*, 2024
2. **"ENHANCING RESPIRATORY HEALTH: INHALED SYNBIOTIC ADMINISTRATION"**, **Bahrainian, Sara**, *Jundishapur Journal of Natural Pharmaceutical Products*, 2024
3. **"THE POTENTIAL ROLE OF TELEMEDICINE IN THE INFECTIOUS DISEASE PANDEMIC WITH AN EMPHASIS ON COVID-19: A NARRATIVE REVIEW"**, Shokri, Fazlollah, **Bahrainian, Sara**, Tajik, Fatemeh, et al., *Health Science Reports (Wiley)*, 2023
4. **"REVIEWING THE NANOTECHNOLOGY IN COSMECEUTICALS"**, Alenabi, Seyed Sajjad, Naeimifar, Atefeh, **Bahrainian, Sara**, Ahmadnasrollahi, Saman, *Journal of Dermatology and Cosmetic*, 2022
5. **"SPRAY FREEZE-DRYING FOR INHALATION APPLICATION: PROCESS AND FORMULATION VARIABLES"**, Rostamnezhad, Mostafa, Jaafari, Hossein, Moradikhah, Farzad, **Bahrainian, Sara**, Faghihi, Homa, Khalvati, Reza, Bafkary, Reza, Vatanara, Alireza, *Pharmaceutical Development and Technology (Taylor & Francis)*, 2022, [2 citations](#)
6. **"PREPARATION AND EVALUATION OF VANCOMYCIN SPRAY-DRIED POWDERS FOR PULMONARY DELIVERY"**, **Bahrainian, Sara**, Gilani, Kambiz, Rouini, Mohammadreza, *Pharmaceutical Development and Technology (Taylor & Francis)*, 2021, [4 citations](#)
7. **"ENGINEERING OF LEVODOPA INHALABLE MICROPARTICLES IN COMBINATION WITH LEUCINE AND DIPALMITOYLPHOSPHATIDYLCHOLINE BY SPRAY DRYING TECHNIQUE"**, **Bahrainian, Sara**, Mirmoeini, Maryam Sadat, Gilani, Zahra, Gilani, Kambiz, *European Journal of Pharmaceutical Sciences (Elsevier)*, 2021, [6 citations](#)
8. **"ANATOMY AND PHYSIOLOGY OF NEWBORNS AND INTRODUCTION OF VARIOUS AND SPECIFIC SKIN CARE PRODUCTS"**, **Bahrainian, Sara**, Naeimifar, Atefeh, Ahmad Nasrollahi, Saman, *Journal of Dermatology and Cosmetic*, 2021
9. **"REVIEWING THE PHYSIOLOGY OF HUMAN PERSIPITATION AND INTRODUCING DIFFERENT TYPES OF ANTIPERSPIRANT AND DEODORANT PRODUCTS"**, **Bahrainian, Sara**, Naeimifar, Atefeh, Ahmad Nasrollahi, Saman, *Journal of Dermatology and Cosmetic*, 2020
10. **"EFFECTS OF SAFFRON ON HOMOCYSTEINE AND ANTIOXIDANT AND INFLAMMATORY BIOMARKERS LEVELS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS: A RANDOMIZED DOUBLE-BLIND CLINICAL TRIAL"**, Moravej Aleali, Armaghan, Amani, Reza, Namjooyan, Foroogh, Cheraghian, Bahman, Latifi, Seyed Mahmoud, **Bahrainian, Sara**, Ghadiri, Ataallah, *Avicenna Journal of Phytomedicine (Mashhad University of Medical Sciences)*, 2019, [28 citations](#)
11. **"TARGETED DRUG DELIVERY OF SUNITINIB MALATE TO TUMOR BLOOD VESSELS BY cRGD-CHITOSAN-GOLD NANOPARTICLES"**, Saber, Mohaddeseh Mahmoudi, **Bahrainian, Sara**, Dinarvand, Rassoul, Atyabi, Fatemeh, *International Journal of Pharmaceutics (Elsevier)*, 2017, [53 citations](#)
12. **"PREVALENCE OF METABOLIC SYNDROME ACCORDING TO DIFFERENT CRITERIA IN ADULTS"**, MoravejAleali, Armaghan, Shahbazian, Hajieh, Yazdanpanah, Leila, Latifi, Seyed Mahmoud, **Bahrainian, Sara**, et al., , *Scholars Journal of Applied Medical Sciences*, 2016, [2 citations](#)

13. **"A REVIEW ON FAST DISSOLVING SYSTEMS FROM TABLETS TO NANOFIBERS"**, Bahrainian, Sara, Abbaspour, Mohammadreza, and Kouchak, Maryam, *Jundishapur Journal of Natural Pharmaceutical Products (Briefland)*, 2015, 11 citations

Conference Papers

1. **Bahrainian, Sara**, Abbaspour, Mohammadreza, and Kouchak, Maryam, "A REVIEW ON FAST DISSOLVING SYSTEMS FROM TABLETS TO NANOFIBERS", *14th Iranian Pharmaceutical Sciences Congress and 1st Symposium of Bio-pharmaceutics and Pharmacokinetics*, IPSC2015, 21-24 December 2015, Tehran, Iran.
2. **Bahrainian, Sara**, Saadat, Afrooz, "NEEDS ASSESSMENT REGARDING PRESENTING THE PHYSIOPATHOLOGY COURSE IN PHARMD STUDENTS' CURRICULUM", *14th Iranian Pharmaceutical Sciences Congress and 1st Symposium of Bio-pharmaceutics and Pharmacokinetics*, IPSC2015, 21-24 December 2015, Tehran, Iran.
3. MoravejAleali, Armaghan, **Bahrainian, Sara**, et al. "EFFECTS OF SAFFRON ON HOMOCYSTEINE AND ANTIOXIDANT AND INFLAMMATORY BIOMARKERS LEVELS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS: A RANDOMIZED DOUBLE-BLIND CLINICAL TRIAL", *12th International Congress on Endocrine Disorders and Metabolism*, November 2018, Tehran, Iran
4. Gazi, Parisa, Abdevand, Zeinab Zaheri, Amini, Fatemeh, **Bahrainian, Sara**, "ALTHAEA OFFICINALIS AND MYRTUS COMMUNIS TO OVERCOME VAGINAL CANDIDIASIS", *25th Iranian Pharmacy Students' Seminar*, Ahvaz, Iran, February 2025

Books

1. REVIEW OF AULTON PHARMACEUTICS 2018, Etminan publication
Translation and Summarization
2. FORMULATION OF COSMETICS AND TOILETRIES (1), Tehran University of Medical Sciences & Sepidbarg publication
Author of Chapters
Chapter 1: Regulation of Cosmetics and Formulations
Chapter 9: Antiperspirants and Deodorants
3. FORMULATION OF COSMETICS AND TOILETRIES (2), Tehran University of Medical Sciences & Sepidbarg publication
Author of Chapters
Chapter 13: Baby Care Products
Chapter 17: Cosmetic Textiles
4. FORMULATION AND DELIVERY OF PROTEINS, First edition, Tehran University of Medical Sciences & Etminan publication
Author of Chapter
Chapter 1: Amino acids, Units for Formation of Proteins
5. Etminan Test Collection (ETC) for Evaluation of Pharmacy Students, Etminan publication
6. Etminan Test Collection (ETC) for the Comprehensive Test, Etminan publication
7. Etminan Test Collection (ETC) for Pharmaceutics Ph.D., Etminan publication
8. AULTON PHARMACEUTICS 2021 (1 AND 2), Etminan publication
Translation and Edition of Chapters
Chapter 11: Mixing
Chapter 33: Hard Capsules
Chapter 34: Soft Capsules
Chapter 36: Parenteral Drug Delivery
Chapter 38: Nasal Drug Delivery
Chapter 41: Rectal and Vaginal Drug Delivery
Chapter 42: The Formulation and Manufacture of Plant Medicine
Chapter 49: Product Stability and Stability testing

9. **APPLIED BIOPHARMACEUTICS AND PHARMACOKINETICS**, Etminan publication
Translation and Summarization

PRESENTATIONS

1. **Recent Technologies in Seasoning and Additive Packaging**
2nd International Congress of Food Technology and Hygiene, 2024
2. **Abuse Deterrent Formulations**
 - Deputy of International Affairs, Faculty of Pharmacy, Tehran University of Medical Sciences, 2018
 - 21st Iranian Pharmacy Students' Seminar, 2018
 - Group of Pharmaceutics, Tehran University of Medical Sciences, 2017
3. **Application of Extracellular Vesicles in Drug Delivery**
Pharmaceutical Biomaterial Journal Club, 2018
4. **Oral Drug Delivery of Macromolecular Drugs**
Pharmaceutical Biomaterial Journal Club, 2017
5. **Antibody Drug Conjugates (ADC): Current Status and Future Perspective**
Pharmaceutical Biomaterial Journal Club, 2017
6. **Block Co-polymers versus Graft Co-polymers in Scaffolds**
Group of Pharmaceutics, Tehran University of Medical Sciences, 2018
7. **Gene Therapy Concept Map**
21st Iranian Pharmacy Students' Seminar, 2018

WORK EXPERIENCE

1. **Assistant Professor** at “**Department of Food and Drug Control**”, Faculty of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Aug 2022 – now
2. **Scientific Evaluation Agent** of “**Pharmaceutics**” and “**Food and Drug Control**” departments, Faculty of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Oct 2022 – now
3. **Supervisor of the Student Research Committee** of Faculty of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, Oct 2022 – May 2025
4. **Associate Editor Manager** of “**Jundishapur Journal of Natural Pharmaceutical Products**”, Dec 2023 – now
5. **Head of International Affairs** of “**2nd International Congress of Food Technology and Hygiene**”, 2024
6. **Supervisor of the Student Research Committee in Education Development**, Ahvaz Jundishapur University of Medical Sciences, May 2024 – now
7. **Board of Directors**: Planning and administrating retraining programs, **Iranian Controlled Release Society, Tehran, Iran**, Jun 2018 – 2023
8. **Pharmaceutics PhD resident** and **TA**: guiding and managing undergraduates and teaching the principles of pharmaceutics and dosage forms; **Tehran University of Medical Sciences, Tehran, Iran**, Feb 2016 – Sep 2021
 - Pharmaceutics 2 and 3, Pharmaceutics 4 Lab.
 - Industrial Internship at Jalinus Pharmaceuticals.
 - Industrial Internship at MediTechSys
9. **Pharmacist**: Dispensing drugs, recommending drug use for patients, guiding patients through drug therapy, handling chemotherapy drugs, **managing staff, teaching** the principles of pharmaceutics and clinical pharmacy to undergraduates; **Ahvaz Golestan Hospital, Ahvaz, Iran**, Apr 2015 - Aug 2015

LANGUAGES

Farsi (Persian), English (MHLE score **90/100**), French [Intermediate], Arabic [Intermediate]

IT SKILLS

Windows & Office Tools, SPSS® (Analyze), Design-Expert® (Design of Experiment), Photoshop® (Editing and Creating photos)

SERVICE TO THE FIELD

- Reviewer of Scientific Abstracts, 25th Iranian Pharmacy Students' Seminar, Ahvaz, Iran, February 2025
- Reviewer of Scientific Abstracts, 24th Iranian Pharmacy Students' Seminar, Tehran, Iran, May 2024
- Peer Review Committee, 3rd International Congress of Food Technology and Hygiene, Ahvaz, Iran, December 2024
- Scientific-Executive, 3rd International Congress of Food Technology and Hygiene, Ahvaz, Iran, December 2024
- Peer Review Committee, 2nd International Congress of Food Technology and Hygiene, Ahvaz, Iran, February 2024
- Scientific-Executive, 2nd International Congress of Food Technology and Hygiene, Ahvaz, Iran, February 2024
-
- Representative of Research Week, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, November 2023
- Reviewer of Scientific Abstracts, 21st Iranian Pharmacy Students' Seminar, Ahvaz, Iran, March 2018
- Reviewer of Oral Presentations and/or Posters, Ahvaz, Iran, March 2018
- Reviewer at “Jundishapur Journal of Natural Pharmaceutical Products”, “Asian Journal of Pharmaceutical Sciences”, “DARU Journal of Pharmaceutical Sciences”

HONORS AND AWARDS

- First Place GPA, School of Pharmacy, Ahvaz Jundishapur University of Medical Sciences, 2013-2014
- Honorable Member of Secretariat of Planning and Evaluation and Development, Ahvaz Jundishapur University of Medical Sciences, 2014
- Member of Ahvaz Jundishapur University of Medical Sciences Student Swimming Team (1st place in regional competitions), 2010 - 2015
- Member of Tehran University of Medical Sciences Student Swimming Team (3rd place in regional competitions), 2015 - 2020
- Member of Ahvaz Jundishapur University of Medical Sciences Faculty Swimming Team (3rd place in regional competitions), 2022 – now
- Member of the Medical Council of I.R. Iran, 2015-now

CURRENT RESEARCH AREAS

- Dry Powder Inhalers
- Pulmonary Delivery of Pharmaceuticals
- Solid Dosage Forms (Effervescent Tablets, Capsules, Buccal/Sublingual Films)

- Liquid Dosage Forms (Mouthwashes, Solutions, ...)
- Semisolid Dosage Forms (Creams, Ointments, Suppositories, ...)
- Cosmetics (Lipstick, Foams, Solutions, Gels, Patches, ...)
- Nanodelivery Formulations (Solid Lipid Nanoparticles, Nanofibers, ...)

عناوین طرح‌های تحقیقاتی و پایان نامه‌ها

ردیف	کد بهسان	شماره طرح	عنوان طرح	پایان نامه مقطع	تاریخ تصویب	تاریخ شروع و عقد قرارداد	تاریخ خاتمه	سمت
۱	۳۳۰۰۶۵۴	TRC-۹۹۱۹	تعیین توانایی آب الکترولیز خنثی به تهیهی و توام با اسید استیک و اسید لاکتیک در کاهش میزان باکتری های لیستریا مونوسیتوژنز و سالمونلا انتریتیدیس در گوشت مرغ		۱۳۹۸/۱۰/۲۴	۱۳۹۹/۱۱/۱۳	در دست اجرا	همکار اصلی
۲	۳۳۰۱۰۱۵۰۸	TRC-۲۰۷	استفاده از لجن لینی و کنجاله سویا به عنوان یک بستر ارزان قیمت و در دسترس جهت تولید اسید پروپیونیک و ویتامین B۱۲		۱۴۰۲/۰۱/۲۰	۱۴۰۲/۰۵/۲۹	در دست اجرا	مجری مسئول
۳	۳۳۰۱۰۱۶۴۰	N-۲۰۸	ساخت نانوالیاف چندکاره هوشمند/فعال بر اساس ماتریس های پلی کاپرولاکتون حاوی چارچوب های آلی-فلزی با اتومساین اقطی سیاه (Sambucus nigra L) برای نظارت بر تازگی ماهی سالمون		۱۴۰۲/۰۲/۰۵	۱۴۰۲/۰۵/۲۹	در دست اجرا	مجری مسئول
۴	۳۳۰۱۰۱۹۲۸	N-۲۱۹	بررسی و ارزیابی تأثیر پوشش کیتوزان حاوی نانوذرات لیپیدی جامد اساس مورینگا اولیفا بر کیفیت شیمیایی گوشت گوساله	دکتری عمومی	۱۴۰۲/۰۹/۱۸	۱۴۰۲/۰۲/۰۲	در دست اجرا	مجری مسئول
۵	۳۳۰۱۰۱۹۲۷	N-۲۰۴	بررسی تأثیرگذاری پوشش کیتوزان حاوی نانو ذرات لیپیدی جامد اساس مورینگا اولیفا جهت ارزیابی محافظت میکروبی گوشت گوساله در شرایط نگهداری در دمای یخچال	دکتری عمومی	۱۴۰۲/۱۰/۰۲		در دست اجرا	مجری مسئول
۶	۳۳۰۱۰۲۰۴۰	N-۲۲۹	طراحی و ارزیابی نانوفرمولاسیون اتوزومال آسکوربیک اسید جهت استفاده ی موضعی	دکتری عمومی	۱۴۰۲/۰۸/۰۶	۱۴۰۲/۰۲/۰۲	در دست اجرا	استاد مشاور
۷	۳۳۰۱۰۲۷۳۴	MPRC-۲۰۳	تهیه فرمولاسیون و ارزیابی فیزیوشیمیایی شفاف واژینال حاوی عصاره هیدروالکالی گیاهان مورد Myrtus communis L و ختمی Althaea officinalis L	دکتری عمومی	۱۴۰۲/۰۱/۲۵		در دست اجرا	استاد مشاور
۸	۳۳۰۱۰۳۱۱۹	N-۳۱۰	تهیه پچ پوستی ماتریکی پیوسته رهش یا استفاده از بارگذاری نانوذرات لیپیدی جامد حاوی نیکوتین استارات در پلیمر هیدروکسی اتیل متاکریلات	دکتری عمومی	۱۴۰۲/۱۲/۲۲		در دست اجرا	مجری مسئول

عناوین طرح‌های تحقیقاتی داوری شده

ردیف	عنوان طرح	مدت زمان	محل بررسی	تاریخ داوری
۱	مقایسه تأثیر کرم واژینال عصاره هسته انگور و کلوتریمازول بر درمان واژینیت کاندیدیایی: کارآزمایی بالینی تصادفی	۲۰ ساعت		۱۴۰۱/۰۸/۱۸
۲	اندازه گیری میزان باقی مانده و پایداری آنتی بیوتیک های ترانسلیکلین و آزیترومایسین در شیر خام در شهر اهواز	۲۰ ساعت	گروه کنترل غذا و دارو	۱۴۰۱/۱۰/۰۳
۳	تهیه و ارزیابی برون تنی میسل های پلیمری کیتوزان-اورسودوکسی کولیک اسید هدفمند شده با گلیسریتینیک اسید به منظور دارو رسانی هدفمند دوکسوروبیسین در سرطان کبد	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۱/۱۰/۲۸
۴	تهیه و ارزیابی برون تنی فرم لیپوزومال آهسته رهش خوراکی لوتیراستام با پوشش کیتوسان	۲۰ ساعت		۱۴۰۲/۰۴/۱۲
۵	تهیه و ارزیابی نانو ذرات جامد لیپیدی لوزن دار حاوی نارینجین	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۲/۰۶/۰۲
۶	تهیه،بهنه سازی و ارزیابی عبورپذیری میکروامولسیون موته لوکاست از پوست موش بزرگ آزمایشگاهی	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۲/۰۶/۲۷
۷	فرمولاسیون نیوزوم های حاوی گلایکولیک اسید و سالیسیلیک اسید و بررسی خصوصیات فیزیوشیمیایی و عبور پذیری آنها با استفاده از پوست موش بزرگ آزمایشگاهی	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۲/۰۷/۱۲
۸	فرمولاسیون، ارزیابی خصوصیات فیزیوشیمیایی و محافظت در برابر آفتاب کرم حاوی عصاره خارمریم (Silybum marianum)	۲۰ ساعت	گروه فارماکوتکزی (مفردات پزشکی)	۱۴۰۲/۰۸/۲۷
۹	بررسی زنده مانی باکتری های پروبیوتیک ریز پوشانی شده در نانوذرات کیتوزان همراه ایزوله های پروتئین سویا در ماست	۲۰ ساعت	گروه کنترل غذا و دارو	۱۴۰۲/۰۹/۰۷
۱۰	ارزیابی پتانسیل پری بیوتیکی عصاره و پلی ساکاریداستخراج شده ازبرخی گونه های جلبکهای دریایی اولوا و سرگاسوم روی دو گونه باکتری پروبیوتیک لاکتوباسیلوس پلاتناروم و لاکتوباسیلوس رامنوسوس (در شرایط آزمایشگاهی)	۲۰ ساعت	مرکز تحقیقات علوم دارویی، دریایی	۱۴۰۲/۰۲/۰۸
۱۱	تهیه و ارزیابی عبورپذیری چشمی فرمولاسیون لیپوزومی کورکومین از قرنیه خرگوش	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۲/۰۲/۱۰
۱۲	تهیه و ارزیابی برون تنی میکروسفرهای دفروکسامین مزیتات پارگیری شده در هیدروژل های برگشت پذیر حرارتی قابل تزریق.	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۲/۰۲/۱۶
۱۳	تهیه ی فرمولاسیون نانوذرات لیپیدی حاوی ایبuprofen و بررسی اثر آن بر موش بزرگ آزمایشگاهی مبتلا به آسم	۲۰ ساعت	گروه داروسازی صنعتی(فارماسیوتیکس)	۱۴۰۳/۰۳/۱۲
۱۴	سنتر سبز نانوذرات منگنز با استفاده از عصاره هیدرو-الکلی، گرده نخل خرما و بررسی اثرات آنتی اکسیدانی و آنتی باکتریایی آنها	۲۰ ساعت	دانشکده داروسازی	۱۴۰۲/۰۴/۱۷
۱۵	تأثیر کاهشی کلرید سدیم و جایگزینی با نمک مبتنی بر کلرید پتاسیم بر ویژگی های فیزیوشیمیایی،میکروبی و ارگاتولیتیکی رب گوجه فرنگی	۲۰ ساعت	گروه تغذیه	۱۴۰۲/۰۷/۲۳

دکتر مهرنوش ذاکر کیش
ساوان تحقیقات و فناوری

