

به نام خدا

## سوابق علمی و پژوهشی

### • مشخصات فردی:

- ✓ نام و نام خانوادگی: فرزانه داستان
- ✓ آدرس: دانشکده داروسازی، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران
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- ✓ سامانه علم سنجی: [https://isid.research.ac.ir/Farzaneh\\_Dastan](https://isid.research.ac.ir/Farzaneh_Dastan)
- ✓ لینک گوگل اسکالر: <https://scholar.google.com/citations?user=IXik8IgAAAAJ>

### • سوابق تحصیلی:

- ✓ ۱۳۸۳-۱۳۸۹: دکترای عمومی داروسازی - دانشکده داروسازی، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران
- ✓ ۱۳۸۹-۱۳۹۳: دکترای تخصصی داروسازی بالینی - دانشکده داروسازی، دانشگاه علوم پزشکی تهران، تهران، ایران

### • سوابق شغلی:

- ✓ ۱۳۹۴ تا کنون: هیئت علمی - دانشکده داروسازی علوم پزشکی شهید بهشتی
- ✓ ۱۳۹۴ تا کنون: رئیس بخش مراقبت های دارویی - بیمارستان مسیح دانشوری

### • سوابق پژوهشی:

- بیش از ۱۰۰ سخنرانی در کنفرانس های داخلی و بین المللی
- تالیف و ترجمه ۵ کتاب آموزشی از جمله درسنامه جامع دارویی
- بیش از ۷۰ تز دکترای عمومی و تخصصی
- بیش از ۳۰ طرح پژوهشی

1. **Dastan F**, Jamaati HR, Barati S, et al. The Effects of Combination-therapy of Tocilizumab and Baricitinib on the Management of Severe COVID-19 Cases: A Randomized Open-label Clinical Trial. *Frontiers in Pharmacology-Pharmacology of Infectious Diseases*, 2023.
2. **Dastan F**, Barati S, Fakharian A, et al. Evaluating the Effects of Nebulized Tocilizumab versus Intravenous Tocilizumab in the Management of Severe Coronavirus Disease 2019 Cases: A Randomized Clinical Trial. *Biomedical and Biotechnology Research Journal*, 2023.
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4. Jamaati H, Karimi S, **Dastan F**, et al. Effectiveness of different vaccine platforms in reducing mortality and length of ICU stay in severe and critical cases of COVID-19 in the Omicron variant era: A national cohort study in Iran. *Journal of Medical Virology* 2023.
5. Fatemi B, Rezaei S, **Dastan F**, et al. Efficacy of intravenous immunoglobulins (IVIg) in COVID-19 patients: a systematic review and meta-analysis. *Research in Pharmaceutical Sciences*, 2023.
6. Etemadi Toudeshki N, Ameri Ahmad Z, Dastan F, et al. The efficacy and safety of sitagliptin administration in patients with Covid-19: A randomized clinical trial. *BBRJ*, 2023.
7. Barati S, Faizabadi F, Khalaj H, et al. Evaluation of noscapipe-licorice combination effects on cough relieving in COVID-19 outpatients: A randomized controlled trial. *Frontiers in Pharmacology*, 2023. **Dastan F (Corresponding Author)**
8. Eslaminejad A, Sharifi H, **Dastan F**, et al. Prevalence and Associated Factors of Osteoporosis in Chronic Obstructive Pulmonary Disease Patients. *Journal of Iranian Medical Council*, 2023.
9. Tolouian R, Tolouian A, **Dastan F**, et al. Antioxidants and cisplatin nephrotoxicity; an updated review on current knowledge. *Journal of Nephro pharmacology*, 2023.
10. Sadidi M, Zare A, **Dastan F**, et al. The roles of dipeptidyl peptidase-4 inhibitors in prognosis of COVID-19 infection in patients with type 2 diabetes mellitus. *Journal of Research in Medical Sciences*, 2022.
11. Jamaati H, Eskandari R, Sharif-Kashani B, et al. Hemoptysis Resolution with Rituximab in Behçet's Disease: A Case Report. *TANAFOS*, 2022. **Dastan F (Corresponding Author)**
12. Hajimoradi M, Sharif Kashani B, **Dastan F**, et al. Remdesivir associated sinus bradycardia in patients with COVID-19: A prospective longitudinal study. *Frontiers in pharmacology*, 2022.
13. **Dastan F**, Gholizadeh Niari B, Adimi Naghan P, et al. Evaluating the Effects of Agomelatine on Polysomnography Parameters in Patients with Obstructive Sleep Apnea. *Journal of Pharmacy & Pharmaceutical Sciences*, 2022.
14. Hooman N, Otukesh H, Hosseini R, et al. Elevated urinary CD80 excretion in children with steroid-responsive nephrotic syndrome. *Biomedical and Biotechnology Research Journal*, 2022.

15. Ahmadi ZH, Hamidia H, Eskandari R. The The potential role of clinical pharmacist in the practice of heart transplantation. *International Pharmacy Acta*, 2022. **Dastan F (Corresponding Author)**
16. **Dastan F**, Heshmatnia J, Zarghi A, et al. Evaluating the Effects of Umifenovir Compared to Lopinavir/Ritonavir in the Management of Patients with COVID-19: A Randomized Controlled Trial. *Microbes, Infection and Chemotherapy*, 2022.
17. Feizabadi F, Abedini A, Salamzadeh J, et al. Study of the Effects of Melatonin on Sleep Disorders in Pulmonary Sarcoidosis Patients. *IJPR*, 2022. **Dastan F (Corresponding Author)**
18. Hashemian SMR, Jamaati H, Khalili-Pishkhani F, et al. Molnupiravir in Combination with Remdesivir for Severe COVID-19 Patients Admitted to Hospital: a Case Series. *Microbes, Infection and Chemotherapy*, 2022. **Dastan F (Corresponding Author)**
19. **Dastan F**, Afzal G, Ghadimi S, et al. Successful IgM-enriched immunoglobulin treatment in severe COVID-19 pneumonia: a case report. *Microbes, Infection and Chemotherapy*, 2022.
20. Mirenayat M, Abedini A, Kiani A, et al. National Research Institute of Tuberculosis and Lung Disease (NRTL) protocol for the treatment of patients with COVID-19. *IJPR*, 2022.
21. Kazemina N, Mehdizadeh M, Salamzadeh J, et al. The Evaluation of Melatonin Effects on Mobilization and Engraftment in Autologous Hematopoietic Stem Cell Transplant Recipients; A Randomized, Double-blind and Placebo-controlled Trial. *IJPR*, 2022.
22. Tabarsi P, Afzal G, Eskandari R, **Dastan F (Corresponding Author)**. Late Post-Coronavirus Disease 2019 Inflammatory Syndrome: A Case Experience with Tocilizumab. *Tanaffos*, 2021
23. Rezaei M, Barati S, Babamahmoodi A, et al. The Possible Role of Bruton Tyrosine Kinase (BTK) Inhibitors in the Treatment of COVID-19: A Review. *Current Therapeutic Research*, 2021. **Dastan F (Corresponding Author)**
24. Feizabadi F, Hashemian SMR, Mirshafiei Z, et al. The Potential Role of Aerosolized Colistin in the Ventilator-Associated Pneumonia Management Caused by Multidrug-Resistant Gram-Negative Bacteria: A Randomized Clinical Trial. *Journal of Pharmaceutical Care*, 2021. **Dastan F (Corresponding Author)**
25. Lotfi A, Mardani M, Abbasi G, et al. A Pregnant Woman with a Diagnosis of COVID-19 without Clinical Manifestations: A Case Report. *International Pharmacy Acta*, 2021. **Dastan F (Corresponding Author)**
26. Hakimizad R, Soltani R, Khorvash F, et al. The Effect of acetyl-L-carnitine, Alpha-lipoic Acid, and Coenzyme Q10 Combination in Preventing Anti-tuberculosis Drug-induced Hepatotoxicity: A Randomized, Double-blind, Placebo-controlled Clinical Trial. *IJPR*, 2021.
27. Yasari F, Naghashzadeh F, Barati S, et al. The Effects of Oral Pentoxifylline on the Prevention of Contrast-Induced Nephropathy in Patients with Chronic Kidney Disease and Normal Renal Function: A Randomized Clinical Trial. *International Pharmacy Acta*, 2021. **Dastan F (Corresponding Author)**
28. Tabarsi P, Vahidi H, Saffaei A, et al. Favipiravir Effects on the Control of Clinical Symptoms of Hospitalized COVID-19 Cases: An Experience with Iranian Formulated Dosage Form. *IJPR*, 2021. **Dastan F (Corresponding Author)**
29. Barati S, Amini H, Ahmadi ZH, et al. Evaluating the Efficacy and Safety of Rivaroxaban Compared to Warfarin in Chronic Thromboembolic Pulmonary Hypertension Patients

- Undergoing Pulmonary Endarterectomy. *Revista Portuguesa de Cardiologia* (Accepted), 2021. **Dastan F (Corresponding Author)**
30. Saffaei A, Tabarsi P, Abedini A, et al. Tocilizumab as a promising agent against COVID-19: Issues and challenges. *JRMS*, 2021. **Dastan F (Corresponding Author)**
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  39. Jamaati H, Hashemian SMR, Dastan F, et al. No clinical benefit of high dose corticosteroid administration in patients with COVID-19: A preliminary report of a randomized clinical trial. *European Journal of Pharmacology*, 2021. **Dastan F (Corresponding Author)**
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  42. Jamshidi E, Asgary A, Tavakoli N, et al. Symptom Prediction and Mortality Risk Calculation for COVID-19 Using Machine Learning. *medRxiv*, 2021.
  43. **Dastan F**, Jamshid Salamzadeh, Ali Saffaei, et al. Atorvastatin-Induced Myalgia in Iranian Patients: A Hospital-Based Study to Determine the Prevalence and Associated Risk Factors. *Journal of Pharmaceutical Care*, 2020.

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45. Tabarsi P, Barati S, Jamaati H, et al. Evaluating the effects of Intravenous Immunoglobulin (IVIg) on the management of severe COVID-19 cases: A randomized controlled trial *International immunopharmacology*, 2020. **Dastan F (Corresponding Author)**
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49. Baghaei P, Nadji SA, Marjani M, et al. Clinical Manifestations of Patients with Coronavirus Disease 2019 (COVID-19) in a Referral Center in Iran. *Tanaffos*, 2020.
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52. Fakharian A, Barati S, Mohamadi M, et al. Successful Management of COVID-19 with Adalimumab in a Post-Coronary Artery Bypass Graft Surgery Patient. *Journal of Cardiothoracic and Vascular Anesthesia*, 2020. **Dastan F (Corresponding Author)**
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54. **Dastan F**, Nadji SA, Saffaei A, et al. Tocilizumab administration in a refractory case of COVID-19. *International Journal of Antimicrobial Agents*, 2020.
55. **Dastan F**, Saffaei A, Haseli S, Et al. Promising effects of tocilizumab in COVID-19: A non-controlled, prospective clinical trial. *International immunopharmacology*, 2020.
56. Jamaati H, Dastan F, Tabarsi P, et al. A Fourteen-day Experience with Coronavirus Disease 2019 (COVID-19) Induced Acute Respiratory Distress Syndrome (ARDS): An Iranian Treatment Protocol. *IJPR*, 2020. **Dastan F (Corresponding Author)**
57. **Dastan F**, Saffaei A, Mortazavi SM, et al. Continues Renal Replacement Therapy (CRRT) With Disposable Hemoperfusion Cartridge: A Promising Option for Severe COVID-19. *Journal of Global Antimicrobial Resistance*, 2020.
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59. Ahmadi ZH, Jahangirifard A, Farzanegan B, et al. Extracorporeal membrane oxygenation and COVID-19: The causes of failure. *Journal of cardiac surgery*, 2020. **Dastan F (Corresponding Author)**
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  63. Jamaati H, Fadaizadeh L, Khoundabi B, et al. COVID-19-Related severe heterogeneous acute respiratory distress syndrome: A therapeutic challenge. *Biomedical and Biotechnology Research Journal*, 2020.
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  71. Farsad F, **Dastan F**, Salamzadeh J, et al. Assessment of Outpatients' Knowledge and Adherence on Warfarin: The Impact of a Simple Educational Pamphlet. *Iranian Journal of Pharmaceutical Research*, 2019.
  72. **Dastan F**, Salamzadeh J, Alipour-Parsa S, et al. The Potential Effect of Intravenous Calcitriol on the Ischemia-Reperfusion Injury and Inflammatory Biomarkers in Patients following Percutaneous Coronary Intervention (PCI). *IJPR*, 2019.
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76. Jamaati H, Dastan F, Langari ZM, et al. Study Protocol on Antimicrobial Stewardship in a Tertiary Respiratory Referral Hospital. Tanaffos, 2018. **Dastan F (Corresponding Author)**
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80. **Dastan F**, Bozorg BD, Goodarzi A, et al. Prediction Model of Drug-Induced Liver Injury in Patients with Pulmonary Tuberculosis: Evaluation of the Incidence and Risk Factors. Journal of Pharmaceutical Care, 2015.
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83. Khalili H, Dastan F, Manshadi SAD. A case report of hearing loss post use of hydroxychloroquine in a HIV-infected patient. DARU Journal of Pharmaceutical Sciences, 2014.
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• کنفرانس ها:

- Joint 7<sup>th</sup> International Iranian Heart Failure Summit; 2023 (Speaker and Moderator of Panel, Online)
- 8<sup>th</sup> International of Congress on Critical Care, Tehran, Iran; 2023 (Keynote Speaker, Online)
- 27<sup>th</sup> Annual Scientific Meeting of International Society of Cardiovascular Pharmacotherapy, Bucharest, Romania; 2022 (Poster Presentation)
- Clinical Pharmacy and Research Webinar, Young Researchers Session, London, UK; 2021
- International Congress of Cardiac Anesthesiology & ECMO; 2021 (Speaker & Moderator)
- 5th International USERN Congress and Prize Awarding Festival; 2020 (Universal Scientific Education and Research Network) (keynote Speaker & Panelist)
- 10th Iranian Clinical Pharmacy Congress; 2019 (scientific secretary)
- Asian-European Pharmacoepidemiology; 2019
- European Society of Cardiology Congress, Germany; 2018
- ACCP (Asian Conference on Clinical Pharmacy); 2018

- International Congress of Pharmacy Updates; 2018 (scientific committee)
- European Society of Cardiology Congress; 2018
- Asian-European Pharmacoepidemiology; 2018
- 28th Annual Congress of Cancer Institute; 2017
- Asian Clinical Pharmacy Congress; 2017
- JICA (Japan International Cooperation Agency); 2016
- 21st International Student Congress of Medical Sciences (ISCOMS); 2014, Netherlands
- 21st International Medical Sciences Congress, Turkey; 2008
- All Annually Iranian Clinical Pharmacy Congresses; 2011-2020

#### • جوایز:

- Selected article for publication in Frontiers e-book, entitled AI-enabled Data Science for COVID-19, comprising highly-regarded articles featured in AI in COVID-19; 2022
- Best Poster at the second Asian-European Pharmacoepidemiology; 2019
- Best Poster at 22nd IPSS seminar; 2019
- Best Poster at the first Asian-European Pharmacoepidemiology; 2018
- Ranked 1st in management of resources and expenditures in the field of drug management (National Certification in the first national festival of hospital experiences in resource management); 2018
- Best oral presentation in 28th Cancer research center; 2017
- Best poster of the 2nd Iranian Clinical Pharmacy Congress; 2011
- Ranked 1st in Clinical Pharmacy PhD program Entrance Exam; 2010
- Selected as exceptional talent by National Elites Foundation; 2010

#### • مهارت ها:

- Randomised Clinical Trials (RCTs) design, development, and implementation (mostly designed to result in optimal pharmaceutical care)
- Data analysis: MS Excel, GraphPad, SPSS
- Clinical pharmacokinetics (Calculation, TDMs)
- Proficiency in spoken and written English and Persian
- Teaching and/or scholarship within the discipline including designing, conducting and moderating assessment; implementing improvements informed by course evaluation activities and student feedback (Pharmacotherapy, Biochemistry, Pharmacy internship and externship, Pharmacokinetics, ...)
- Pharmacotherapy consultation
- Great experience on COVID-19 pharmacotherapy management
- Anticoagulation management services (inpatient and outpatient)
- Drug safety (drug-related morbidity, adverse drug reaction, dose individualization, interaction, special patient population monitoring, medication errors).



- Management and strategy (implementing management strategy in hospital pharmacy, reengineering of services to meet new demands, addressing leadership questions)
- Drug information (on a specific disease, development in information delivery)
- Clinical pharmacy (intervention, patient specific pharmacotherapy, outcome assessment)
- Hospital pharmacy practice (formulary management, DTC IV admixture)
- Pharmacological research aimed at investigating cellular mechanism of drug handling and toxicity
- Pharmacoeconomics (DUR, Quality of life, Cost-effectiveness)
- Drug protocols and treatment guidelines: establishment, implementation and evaluation

• موضوعات مورد علاقه:

Pharmacovigilance (ADR, Medication Error), Hospital Pharmacy (Management), Pharmacokinetics, Drug assessment and Design, Clinical Trials (RCTs), Cardiovascular diseases, Cardiopulmonary Diseases, Infectious Disease, Critical Care, Pharmacotherapy

• سوابق اجرایی:

- ✓ ۱۳۹۴ تا کنون: رئیس بخش مراقبت های دارویی بیمارستان مسیح دانشوری
- ✓ ۱۳۹۴ تا کنون: دبیر کمیته دارو، درمان و تجهیزات پزشکی بیمارستان مسیح دانشوری
- ✓ ۱۳۹۷: دبیر علمی دهمین کنگره تخصصی داروسازی بالینی
- ✓ ۱۳۹۹ تا کنون: عضو کمیته کشوری ستاد علمی کرونا، وزارت بهداشت، درمان و آموزش پزشکی
- ✓ ۱۳۹۷ تا کنون: سرپرست درمانگاه فارماکو تراپی پیوند ریه بیمارستان مسیح دانشوری
- ✓ ۱۴۰۰ تا کنون: مشاور معاونت غذا و دارو در امور تحقیقات و توسعه، معاونت غذا و دارو، علوم پزشکی شهید بهشتی

❖ تاریخ به روزرسانی: مهرماه ۱۴۰۲

