

# Curriculum Vitae

Assoc. Prof. PharmDr. Davoud Ahmadimoghaddam, Ph.D.

Date and Place of birth: 23.03.1980, Farsan, Iran



## Contact Information

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## Current position

2022 – Present: Vice-Chancellor for Education and Research (Vice-Chancellor for International Affairs and Non-Iranian Students), Hamadan University of Medical Sciences, Hamadan, Iran.

2022-Present: Head of the Department of Pharmacology and Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran.

2022 – Present: Associate Professor of Pharmacology, Department of Pharmacology and Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran.

2016 – 2022: Assistant Professor of Pharmacology, Department of Pharmacology and Toxicology, School of Pharmacy, Hamadan University of Medical Sciences, Hamadan, Iran.

## Previous Education

2009 – 2013: Research fellow, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Charles University, Czech Republic; (Doctoral Dissertation title: “Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion 1 (MATE1/SLC47A1) Protein in the Placenta: Expression, Localization and Function”, under the supervision of Prof. PharmDr. Frantisek Staud, Ph.D.); (Ph.D. in Pharmacology and Toxicology; PharmDr. in Pharmacy).

<http://portal.faf.cuni.cz/getattachment/Groups/Experimental-Pharmacology-and-Drug-Interactions/News/OCT3-MATE1-placenta-doctoral-dissertation.pdf.aspx>

<http://portal.faf.cuni.cz/Groups/Experimental-Pharmacology-and-Drug-Interactions/People/>

2004 – 2009: Masters Study, Charles University in Prague, Faculty of Pharmacy in Hradec Kralove, Czech Republic; (Master thesis: “Evaluation of latest treatment strategy of breast cancer”, performed at the Department of Pharmacology and Toxicology, under the supervision of Associate Professor PharmDr. Frantisek Staud, PhD); (M.Sc. in Pharmacy).

1999 – 2001: Associate study, Islamic Azad University, Shahrekord, Iran (Associate Degree-Graduated in the field of Health-Diseases Control).

### Research interest and Grant

- 2016 – Present: Effect of different compound (plants, chemical, pesticides, ...) on hormonal changes during pregnancy and their effect of the establishment and maintenance of pregnancy.
- 2009 - 2013: Head researcher of the project No. 137010 (1 million Czech Koruna) for the project entitled: “Localization and function of organic cation transporters 3 (OCT3) in the rat placenta”; the project was successfully finalized and subsequently marked “excellent” by the Grant Agency of Charles University; three research articles in excellent pharmacological or toxicological journals has been published.
- Interested in study the expression of genes, proteins, and the function of transporters and enzymes in different tissue specially in placenta.

### Teaching experience

- 2016 - present: teaching Pharmacology to medical, pharmacy, dentistry, nursing, midwifery, anesthesiologists, and public health students in the bachelor's, master's, doctoral, and Ph.D. courses.
- 2009 – 2013: Taught interactive pharmacology seminars in English to students of Pharmacy using evidence-based medicine supported scientific and clinical data, Charles University in Prague, faculty of Pharmacy in Hradec Kralove.

### Selected Publication activity

- Nili-Ahmadabadi A, Artimani T, Sepehr A, Kaloorazi ZF, Behnamfar Y, Larki-Harchegani A, Ranjbar A, Dastan D, Azandaryani MT, **Ahmadimoghaddam D**. The effect of saffron and its constituent, crocin, on anterior pituitary-gonadal axis during pregnancy in the rat: A time-course study. *South African Journal of Botany*. 2022 Aug 1;148:33-8. IF: 3.111
- **Ahmadimoghaddam D.**, Zarei M., Mohammadi S., Izadidastenaie Z., Salehi I.: Bupleurum falcatum L. alleviates nociceptive and neuropathic pain: Potential mechanisms of action. *Journal of Ethnopharmacology*. 2021 Jun 12;273:113990. IF= 3.690.
- Khalilian A, **Ahmadimoghaddam D**, Saki S, Mohammadi Y, Mehrpooya M. A randomized, double-blind, placebo-controlled study to assess efficacy of mirtazapine for the treatment of

diarrhea predominant irritable bowel syndrome. *BioPsychoSocial Medicine*. 2021 Dec;15(1):1-2. IF: 2.754

- Firozian F, Nili-Ahmadabadi A, Moradkhani S, Moulaei M, Fasihi Z, **Ahmadimoghaddam D**. Adulteration of the herbal weight loss products by the illegal addition of synthetic antiobesity medications: a pilot study. *Journal of Obesity*. 2021 Jul 14;2021.
- Mehrpooya M, Mazdeh M, Rahmani E, Khazaie M, **Ahmadimoghaddam D**. Melatonin supplementation may benefit patients with acute ischemic stroke not eligible for reperfusion therapies: Results of a pilot study. *Journal of Clinical Neuroscience*. 2022 Dec 1;106:66-75. IF: 2.116
- **Ahmadimoghaddam D**, Sadeghian R., Ranjbar A., Izadidastenaie Z., Mohammadi S.: Antinociceptive activity of *Cnicus benedictus* L. leaf extract: a mechanistic evaluation. *Research in Pharmaceutical Sciences*. 2020 Oct;15(5):463.
- Zarei M., **Ahmadimoghaddam D**, Mohammadi S.: *Artemisia biennis* Willd.: Anti-Nociceptive effects and possible mechanisms of action. *Journal of Ethnopharmacology*. 2021 Mar 25;268:113604. IF= 3.690.
- Mehrpooya M, Khorami MR, Mohammadi M, Mohammadi Y, **Ahmadimoghaddam D**. Clinical Pharmacists' Contribution to Medication Reconciliation in Outpatient Specialty Clinics in Iran. *Current Drug Safety*. 2022 Aug 1;17(3):259-68.
- Mehrpooya M, Taher A, Golgiri A, Mohammadi Y, **Ahmadimoghaddam D**. Evaluation of the Drug Interactions Frequency and Their Related Factors in Hospitalized Patients of the Intensive Care Unit in the Hamadan Besat Hospital. *Avicenna Journal of Nursing and Midwifery Care*. 2021 Sep 10;29(3):171-80.
- **Ahmadimoghaddam D**, Nili-Ahmadabadi A, Shamahmoodi AM, Larki-Harchegani A, Moradkhani S. *Stachys lavandulifolia* causes estrogen/progesterone imbalance during pregnancy in Wistar rat: a time course experimental study. *Iranian Journal of Pharmaceutical Sciences*. 2021 Jul 1;17(3):41-8.
- **Ahmadimoghaddam D**, Hofman J., Zemankova L., Nachtigal P., Dolezelova E., Cerveny L., Ceckova M., Micuda S., Staud F.: *Synchronized activity of organic cation transporter 3 (Oct3/SLC22A3) and multidrug and toxin extrusion 1 (Mate 1/SLC47A1) transporter in transplacental passage of MPP+ in rat*. *Toxicological Sciences* 128(2), 471–481 (2012), IF<sub>[2011]</sub> = 4.652.
- **Ahmadimoghaddam D**, Zemankova L., Nachtigal P., Dolezelova E., Neumanova Z., Cerveny L., Ceckova M., Kacerovský M., Micuda S., Staud F.: *Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion 1 (MATE1/SLC47A1) Transporter in the Placenta and Fetal Tissues; Expression Profile and Fetus Protective Role at Different Stages of Gestation*. *Biology of Reproduction*, 7 January 2013; doi:10.1095/biolreprod.112.105064, IF<sub>[2011]</sub> = 4.009.

- **Ahmadimoghaddam D.**, Staud F.: *Transfer of Metformin across the Rat Placenta is Mediated by Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion 1 (MATE1/SLC47A1) Protein*. Reproductive Toxicology (in press). 9 March 2013; DOI:10.1016/j.reprotox.2013.03.001, IF<sub>[2011]</sub> = 3.226.
- Staud F., Cerveny L., **Ahmadimoghaddam D.**, Ceckova M.: *Multidrug and toxin extrusion protein (MATE/SLC47); role in pharmacokinetics*. The International Journal of Biochemistry & Cell Biology (Under review). This is an "invited review" by the Journal. IF<sub>[2011]</sub> = 4.634.
- Hofman J., **Ahmadimoghaddam D.**, Hahnova L., Pavek P., Ceckova M., Staud F.: *Olomoucine II and purvalanol A inhibit ABCG2 transporter in vitro and in situ and synergistically potentiate cytostatic effect of mitoxantrone*. Pharmacol Res 2012; 65 (3): 312 – 9, IF<sub>[2011]</sub> = 4,436.

### Poster presentations and abstracts published in the national and international conferences

- **Ahmadimoghaddam D.**, Hofman J., Brcakova E., Ceckova M., Micuda S., Staud F.: *Localization and functional analysis of organic cation transporter 3 (OCT3) in rat placenta*. 9th International ISSX Meeting, 4–8 September 2010, Istanbul, Turkey.
- **Ahmadimoghaddam D.**, Hofman J., Brcakova E., Ceckova M., Micuda S., Staud F.: *Expression and function of organic cation transporter 3 (OCT3) in rat placenta during pregnancy*. 60<sup>th</sup> Czech-Slovak pharmacological days, 15–17 September 2010, Hradec Králové, Czech Republic.
- **Ahmadimoghaddam D.**, Hofman J., Brcakova E., Ceckova M., Micuda S., Staud F.: *The role of organic cation transporter (OCT3) in placental transfer of MPP<sup>+</sup> at different stages of gestation*. Gordon Research Conference, Multi-Drug Efflux Systems, 12–17 June 2011, Les Diablerets, Switzerland.
- **Ahmadimoghaddam D.**, Hofman J., Brcakova E., Ceckova M., Micuda S., Staud F.: *The role of organic cation transporter 3 (OCT3) in fetal protection throughout gestation in rat*. 61<sup>st</sup> Czech-Slovak pharmacological days, 14–16 September 2011, Brno, Czech Republic.
- **Ahmadimoghaddam D.**, Hofman J., Zemankova L., Nachtigal P., Dolezelova E., Cerveny L., Ceckova M., Micuda S., and Staud F.: *Synchronized Activity of Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion Protein 1 (MATE1/SLC47A1) in transport of organic cations across the placenta*. 19th MDO Meeting and 12th European ISSX Meeting, 17-21 June 2012, Noordwijk aan Zee, Netherlands.
- **Ahmadimoghaddam D.**, Neumanova Z., Cerveny L., Ceckova M., and Staud F.: *Transfer of Metformin across Rat Term Placenta*. 62<sup>nd</sup> Pharmacological day, 25-27 June, Košice, Slovakia.
- **Ahmadimoghaddam D.**, Zemankova L., Neumanova Z., Nachtigal P., Dolezelova E., Cerveny L., Ceckova M., Micuda S., and Staud F.: *Expression Profile and Fetus Protective Role of Multidrug and Toxin Extrusion Transporter 1 (MATE1/SLC47A1) and Organic Cation*

*Transporter 3 (OCT3/SLC22A3) at Different Stages of Gestation in Rat.* 62<sup>nd</sup> Pharmacological day, 25-27 June, Košice, Slovakia.

### Oral presentation

- **Ahmadimoghaddam D.**, Hofman J., Brcakova E., Ceckova M., Micuda S., Staud F.: *Transport of 1-methyl-4-phenylpyridinium (MPP<sup>+</sup>) across rat term placenta.* 1<sup>st</sup> Postgraduate Scientific Conference of the Faculty of Pharmacy, Charles University, 1–2 February 2011, Hradec Králové, Czech Republic.
- **Ahmadimoghaddam D.**, Hofman J., Zemankova L., Nachtigal P., Dolezelova E., Cerveny L., Ceckova M., Micuda S., Staud F.: *Cooperation of organic cation transporter 3 (OCT3/SLC22A3) and multidrug and toxin extrusion transporter 1 (Mate1/SLC47A1) in transplacental passage of MPP<sup>+</sup>.* 2<sup>nd</sup> Postgraduate Scientific Conference of the Faculty of Pharmacy, Charles University, 31 January– 1 February 2011, Hradec Králové, Czech Republic.
- **Ahmadimoghaddam D.**, Neumanova Z., Cerveny L., Ceckova M., and Staud F.: *Transfer of Metformin across Rat Term Placenta.* 62<sup>nd</sup> Pharmacological day, 25-27 June, Košice, Slovakia.
- **Ahmadimoghaddam D.**, and Staud F.: *Metformin Transport across the Rat Placenta by cooperative activity of Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion 1 (MATE1/SLC47A1).* 3<sup>rd</sup> Postgraduate Scientific Conference of the Faculty of Pharmacy, Charles University, 29-30 January 2013, Hradec Králové, Czech Republic.