

CURRICULUM VITAE (CV)

DR. RASOOL HADDADI

PH.D. OF BASIC AND CLINICAL PHARMACOLOGY

Date Of Birth: 1984

Email: haddadi.rasool@gmail.com , Haddadi.R@umsha.ac.ir

Work Address: Department of pharmacology and Toxicology, Faculty of pharmacy/Medicinal Plants and Natural Products Research Center, Hamadan University of Medical Sciences, Hamadan-Iran

Academic Rank: Assistant Professor

CURRENT POSITION

NOVEMBER 2014 TO PRESENT

- Assistant Professor of Pharmacology, Department of pharmacology and Toxicology, Faculty of Pharmacy Hamadan University of Medical Sciences, ***HAMADAN-IRAN***

NOVEMBER 2014 TO PRESENT

HEAD OF LAB. OF PHARMACOLOGY, FACULTY OF PHARMACY (UMSHA)

JANUARY 2014 TO JUNE 2016

HEAD OF ANIMAL LAB. OF FACULTY OF PHARMACY (UMSHA)

JANUARY 2015 TO PRESENT

HEAD OF RESEARCH LAB. OF BEHAVIORAL NEUROSCIENCE, FACULTY OF PHARMACY (UMSHA)

JUNE 2016 TO PRESENT

HEAD OF ANIMAL HOUSE OF HAMADAN UNIVERSITY OF MEDICAL SCIENCES

JUNE 2016 TO PRESENT

SECRETARY OF THE EVALUATION COMMITTEE OF UNIVERSITY PROFESSORS IN EDC (UMSHA)

JANUARY 2014 TO PRESENT

PRE-INTERNSHIP EXAM BOARD MEMBER

SKILLS & TECHNICAL EXPERIENCE

- Working with Laboratory animals, specially Rat, Mouse and Rabbit
- Working with stereotaxic apparatus (injection into CNS nucleus and CSF Aspiration)
- Working with bar test and rotarod apparatuses (for study of Parkinson dis.)
- Working with shuttle box apparatuses (for study of Alzheimer dis.)
- Working with Fusion FX7 Spectra apparatus (Imaging system)
- Models of Parkinson disease
- Models of Depression and Anxiety like disease
- Models of Diabetes and Fertility Disorder
- Models of Multiple Sclerosis disease
- Working with Cryostat apparatus (Frozen section for histopathological techniques)
- Models of Alzheimer dis.
- Western blotting and protein analysis
- Elisa techniques
- Angiogenesis studies (Air pouch model in rat)
- Pain and Inflammation studies (peritonitis & Air pouch model)
- Histopathological studies
- Myeloperoxidase (MPO) assay
- Spectrochemistry techniques
- Glutathione and Glutathione peroxidase (GSH & GSSG) assay
- Behavioral Study of acute and chronic pain by Formalin test, hot plate, tail flick and
- Study of neuropathic pain
- Study of trigeminal pain
- Study of yawning
- Intracerebroventricular(icv) cannula implantation in rat
- Detection of apoptotic cells (by TUNEL assay)
- Tolerance to Analgesic Effect of Opioids
- Drugs Dependency

TEACHING EXPERIENCE

Pharmacology for Pharmacy Student 2013 to present

Pharmacology for Medical Student 2013 to present

Pharmacology for Dentistry Student 2013 to present

Neuropharmacology for PhD Student of Neurosciences 2016 to present

Neuropharmacology for PhD Student of Physiology 2016 to present

Pharmacology for Nursing Student 2012 to present

Pharmacology for Midwifery Student 2012 to present
Pharmacology for Paramedical Student 2012 to present
Pharmacology for General Healthcare Student 2012 to present
Clinical Pharmacology for Pharmacy Student 2018- to present
Pharmacology for Nursing Master Student 2014 to present

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RESEARCH INTEREST

Neuropharmacology, molecular pharmacology, Parkinson dis. , Alzheimer dis., pain, MS, addiction, inflammation, ...

RESEARCH AND PUBLICATIONS

Haddadi R., Tamaddonfard E., Eyvari-brooshqalan Sh., Mohajjel Nayebi A; Study of curcumin mechanism by using yawning induced by physostigmine and pilocarpine in rats. *Pharmaceutical Sciences.* , 2012, 17, p: 275–282.

Haddadi R, Nayebi AM, Farajniya S, Brooshghalan SE, Sharifi H. Silymarin improved 6-OHDA-induced motor impairment in hemi-parkinsonian rats: behavioral and molecular study. *DARU Journal of Pharmaceutical Sciences.* 2014;22(1):38.

Haddadi R, Mohajjel Nayebi A, Brooshghalan SE. Pre-treatment with silymarin reduces brain myeloperoxidase activity and inflammatory cytokines in 6-OHDA hemi-parkinsonian rats. *Neuroscience Letters.* 2013;555:106-11.

Sharifi H, Nayebi A, Farajnia S, **Haddadi R**. Effect of Chronic Administration of Buspirone and Fluoxetine on Inflammatory Cytokines in 6-Hydroxydopamine-lesioned Rats. *Drug research.* 2014 (EFirst).

Rasool Haddadi, Shahla Eyvari Brooshghalan, Safar Farajniya, Hamdolah Sharifi, Alireza M. Nayebi. Short-term treatment with silymarin improved 6-OHDA-induced catalepsy and motor imbalance in hemi-parkinsonian rats. *Adv Pharm Bull.* 2015; 5(4) (2015) 463-469.

Sharifi H, Nayebi A, Farajnia S, **Haddadi R.** Effect of Buspirone, Fluoxetine and 8-OH-DPAT on Striatal Expression of Bax, Caspase-3 and Bcl-2 Proteins in 6-Hydroxydopamine-induced Hemi-Parkinsonian Rats. *Adv Pharm Bull.* 2015; 5(4) (2015) 491.

afshin kheradmand, Masoumeh Jorjani, Alireza Mohajjel Nayebi, **Rasool Haddadi.** Effect of WR-1065 on 6-hydroxydopamine induced catalepsy and IL-6 level in rats. *Iranian Journal of Basic Medical Sciences.*; 19(5) (2016) 490-496.

A. Kheradmand, A. Mohajjel Nayebi, M. Jorjani, **R. Haddadi**, Effect of WR-1065 on 6-hydroxydopamine-induced catalepsy and IL-6 level in rats, *Iranian Journal of Basic Medical Sciences* 19(5) (2016) 490-496.

Haddadi R, Nayebi AM, Farajniya S. Effect of Chronic Administration of Silymarin on 6-OHDA induced PD and oxidative stress factors in Rats. *International Iranian Physiology and Pharmacology.* August 2013, Tabriz, IRAN.

Haddadi R, Nayebi AM, Farajniya S. Silymarin reduces inflammatory Cytokines and improves apoptotic related factors in 6-OHDA hemi-parkinsonian Rats. *International Iranian Physiology and Pharmacology.* August 2013, Tabriz, IRAN.

M Sabahi, A Ahmadi, **R Haddadi**, Effects of Estrogen and Progesterone on Catalepsy and Motor and Balance Impairment Classified as Haloperidol-induced Extrapyramidal Disorders. *Journal of Obstetrics, Gynecology and Cancer Research (JOGCR)* 3 (1), 1-7

A Ranjbar, **R Haddadi**, SM Hosseini, MM Eftekharian, D Dastan. The effect of Satureja avromanica Maroofi extract on oxidative stress induced by malathion in rats. *Journal of Reports in Pharmaceutical Sciences* 7 (1), 108-115

S. amiahmadi, M. Sabahi, **R. Haddadi.** The effect of acute and repeated administration of buspirone, 8-OHDPAT and fluoxetine on haloperidol induced extrapyramidal symptoms" to *Journal of Basic and Clinical Physiology and Pharmacology.* 2018. in press.

S. amiahmadi, M. Sabahi, **R. Haddadi**. The Preventive/Protective Effect of Testosterone on Haloperidol-Induced Extrapyramidal Disorders in Male Rats, *Journal of Babol University Of Medical Sciences* 20(7) (2018) 55-62.

R. Haddadi, A.M. Nayebi, S.E. Brooshghalan, Silymarin prevents apoptosis through inhibiting the Bax/caspase-3 expression and suppresses toll like receptor-4 pathway in the SNc of 6-OHDA intoxicated rats, *Biomedicine & Pharmacotherapy* 104 (2018) 127-136.

R. Haddadi, M. Poursina, F. Zeraati, F. Nadi, Gastrodin microinjection suppresses 6-OHDA-induced motor impairments in parkinsonian rats: insights into oxidative balance and microglial activation in SNc, *Inflammopharmacology* (2018) 1-12.

R. Haddadi, Rozhin ghademazi, mehrdokht mazde. The effect of omega-3 on the seizure attacks and inflammatory cytokines in drug-resistant epileptic patients: a double-blind randomized placebo-controlled clinical trial. *DARU Journal of Pharmaceutical Sciences*. 2018. in press.

Ahmadi SA, Sabahi M, **Haddadi R**. The effect of acute and repeated administration of buspirone, 8-OHDPAT and fluoxetine on haloperidol-induced extrapyramidal symptoms. *Neuropsychopharmacologia Hungarica: a Magyar Pszichofarmakologiai Egyesulet lapja= official journal of the Hungarian Association of Psychopharmacology*. 2019;21(2):59-68.

Haddadi R, Tamri P, Jooni FJ. In vitro wound healing activity of *Scrophularia striata* hydroalcoholic extract. *South African journal of botany*. 2019;121:505-9.

Haddadi R, Rashtiani R. Anti-inflammatory and anti-hyperalgesic effects of milnacipran in inflamed rats: involvement of myeloperoxidase activity, cytokines and oxidative/nitrosative stress. *Inflammopharmacology*. 2020.

Malaekhepoor SM, Derakhshandeh K, **Haddadi R**, Nourian A, Ghorbani-Vaghei R. A polymer coated MNP scaffold for targeted drug delivery and improvement of rheumatoid arthritis. *Polymer Chemistry*. 2020;11(13):2408-17.

Mehri N, **Haddadi R**, Ganji M, Shahidi S, Asl SS, Azandariani MT, et al. Effects of vitamin D in an animal model of Alzheimer's disease: behavioral assessment with biochemical investigation of Hippocampus and serum. *Metabolic brain disease*. 2020;35(2):263-74.

Salimi R, **Haddadi R**, Moradi A, Jalilvand F, Firozian F. Local Anesthetic Effect of Amitriptyline versus Lidocaine in Isolated Lesion of the Limb Requiring Primary Suturing; Assessing a Novel Therapeutic Agent. *Bulletin of Emergency & Trauma*. 2019;7(3):240.

Ghiasian M, Khamisabadi F, Kheiripour N, Karami M, **Haddadi R**, Ghaleiha A, et al. Effects of crocin in reducing DNA damage, inflammation, and oxidative stress in multiple sclerosis patients: A double-blind, randomized, and placebo-controlled trial. *Journal of Biochemical and Molecular Toxicology*. 2019;33(12):e22410.

ORAL AND POSTER PRESENTATION

Rasool Haddadi*, Najma Soleymani	The preventive effect of gastrodin on motor-impairment in male rats following induced parkinsonism	Poster	IRAN	Pharmacology & Toxicology	17-19 October 2017	15 th Iranian Pharmaceutical Sciences Congress	1
Rasool Haddadi*, Roxana Daniali	The effect of intra ACC microinjection of histamine and mepyramine on acute pain following acute restrain stress	Poster	IRAN	NeuroPharmacology	12-14 December 2018	7 th Baic and Clinical Neurosciences Congress	2
Shekofe Bagheri, Rasool Haddadi*	The effect of omega-3 on the seizure attack and inflammatory cytokines in drug resistant epileptic patients: a double-blind randomized clinical trial	Oral	IRAN	NeuroPharmacology	12-14 December 2018	7 th Baic and Clinical Neurosciences Congress	3
Somayeh Farmani, Dara Dastan, Rasool Haddadi*	Kamololol acetate a bioactive sesquiterpene coumarine form from F. pseudalliacea	Poster	IRAN	گیاهان دارویی	۲۰-۱۹ اسفند ۹۴	دومین همایش دانشجویان علوم پزشکی مشهد	4
Rasool Haddadi*, Maryam Poursina, Negin Alighardash	ICV injection of gastrodin prevented 6-OHDA induced motor disturbance in hemi-parkinsonian rat	Poster	IRAN	NeuroPharmacology	7-9 December 2016	5 th Baic and Clinical Neurosciences Congress	5
Mohammad mahdi			IRAN				6

Sabahi, Sara ami Ahmadi, Rasool Haddadi*	Effect of estrogen and progesteron on catalepsy and motor imbalance in haloperidol induced extrapyramidal disorders	Poster		Pharmacology & Toxicology	17-19 October 2017	15 th Iranian Pharmaceutical Sciences Congress	
Mohammad mahdi Sabahi, Sara ami Ahmadi, Rasool Haddadi*	Protective effect of testosterone on haloperidol induced parkinsonism in male rats	Poster	IRAN	Pharmacology & Toxicology	17-19 October 2017	15 th Iranian Pharmaceutical Sciences Congress	7
Rasool Haddadi* , Maryam Poursina, Somayeh Farmani, Dara Dastan,	Silymarin potentiated anti oxidative barrier in the SNc of 6-OHDA hemiparkinsonian rats	Poster	IRAN	Pharmacology & Toxicology	۳۰-۲۹ اردیبهشت ۹۵	کنگره ملی گیاهان دارویی	8
Sara ami Ahmadi, Mohammad mahdi Sabahi, Rasool Haddadi*	Neuroprotective effect of silymarin in a rat model of Parkinson dis. via attenuation of apoptotic responses: possible involvement of toll like receptor 4	Poster	IRAN	NeuroPharmacology	7-9 December r 20016	5 th Baic and Clinical Neurosciences Congress	9
Mohammad mahdi Sabahi, Sara ami Ahmadi, Rasool Haddadi*	Preventive effect of 8-OHDPAT and fluoxetine on haloperidol induced behavioral impairment	Poster	IRAN	NeuroPharmacology	7-9 December r 20016	5 th Baic and Clinical Neurosciences Congress	10
Lida Rahimi Saatloo,		Poster	IRAN	Pharmacogenomics			11

Rasool Haddadi	Relationship between VDR 1544410 (A/G) polymorphisms and serum Sestrin 3 in hemodialysis patients				21-24 February 2017	9 th international Congress of Laboratory & Clinic	12
Jamal Hallajzadeh, Amir Ghorbanihaghjo, Hasan Argani, Rasool Haddadi	Association of vitamin D receptor polymorphism with serum OPG, MGP, vitamin D and iPTH levels in hemodialysis	Poster	IRAN	Pharmacogenomics	February 2016	8 th international Congress of Laboratory & Clinic	12
Jamal Hallajzadeh, Neda Rahideh, Rasool Haddadi	Association of TaqI(rs731236) (C/T) and BsmI (rs1544410) (A/G) VDR Polymorphisms with nontraditional risk factors involved in vascular calcification in CKD patients on HD treatment	Poster	IRAN	Pharmacogenomics	21-24 February 2017	9 th international Congress of Laboratory & Clinic	13
Maryam taheri, Jamal hallajzadeh, Peyvand mohammadi, Rasool haddadi	Association of serum Sestrin3 concentrations with albuminuria in patients with type 2 diabetes	Poster	IRAN	Pharmacogenomics	21-24 February 2017	9 th international Congress of Laboratory & Clinic	14
Rasool haddadi, Alieza Gharib	Silymarin prevented 6-OHDA induced oxidative stress in the substantia nigra of parkinsonian rats	Oral	Malaysia	Neurochemistry	27-30 August 2016	14 th meeting of the Asian-pacific society for neurochemistry	15
Rasool Haddadi* , Somayeh Farmani, Dara Dastan, Amir Nili, Zhino	The effect of intra peritoneal injection of methanolic extract of <i>Ferula Pseudalliacea</i> on formalin induced pain	Poster	IRAN	NeuroPharmacology	7-9 December 2016	5 th Baic and Clinical Neurosciences Congress	16

Maroufi, Rojin Rashtiani	and morphine induced analgesia in male rats						
Seyede Masoome Hoseini, Akram Ranjbar, Dara Dastan, Rasool Haddadi, Mohammad mahdi Eftekharian	Antioxidative potential of <i>Satureja Avramanica Marooft</i> on malathion induced oxidative stress in rats	Poster	IRAN	Pharmacology & Toxicology	۳۰-۲۹ اردیبهشت ۹۵	کنگره ملی گیاهان دارویی	17
Rojin Rashtiani, Rasool Haddadi*	Milnacipran attenuated carrageenan induced hyperalgesia and inflammation in male rats	Poster	IRAN	NeuroPharmacology	18-20 December 2019	8 th Baic and Clinical Neurosciences Congress	18
Rasool Haddadi* , Alireza Mohajjel Nayebi, Shahla eyvari brooshghala, Safar Farajniya	Silymarin attenuates 6-OHDA-induced motor impairments and apoptotic factors in the striatum region of rat brain	Poster	IRAN	NeuroPharmacology	23-27 August 2013	21 st international Iranian Congress of physiology and Pharmacology	19
Rasool Haddadi* , Alireza Mohajjel Nayebi, Shahla eyvari brooshghala	Pre-treatment with silymarin reduces brain myeloperoxidase (MPO) activity and inflammatory Cytokines in 6-OHDA hemi-parkinsonian Rats	Oral	IRAN	NeuroPharmacology	23-27 August 2013	21 st international Iranian Congress of physiology and Pharmacology	20

<p>Rasool Haddadi*, Esmaeel Tamaddonfarad</p>	<p>The effect of NAC on formalin induced pain in rats</p>	<p>Poster</p>	<p>IRAN</p>	<p>Behavioral Pharmacology</p>	<p>8-10 May 2009</p>	<p>The 1st International meeting of Pain (9th Annual scientific meeting of Iranian PAIN society)</p>	<p>21</p>
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CURRENT RESEARCH:

Multiple Sclerosis

Parkinson Dis.

Neurotoxicity Research

Inflammation and Pain Study

Study on Fertility

Clinical Trials

Alzheimer Dis.

Diabetes

Drugs Toxicity

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PARTICIPATION IN WORKSHOPS:

- Workshop of power lab
- Educational skills course for Ph.D students consisting: Educational planning,
- Teaching and learning principles and Methods, student Assessment, and Conceptual
- ...
- Learning workshops.
- Workshop of statistics and statistical softwares level A
- Workshop of statistics and statistical softwares level B
- Workshop of Preliminary research methods
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ACHIEVEMENTS

- Rank 2ed among 257 Ph.D interance examination in Iran, **2009**
- 1st rank in board examination in pharmacology department, Tabriz university of medical sciences, faculty of pharmacy, **March 2011**. score 18.94 out of 20
- The best professor award in the Hamadan university of Medical science. **MAY 2018**