

PICTURE
PROFILE

IN THE NAME OF GOD
Curriculum Vitae (CV)

Mashhad University of Medical Sciences

Personal Information:

Name	Surname	Date of Birth	Nationality	Gender		Marital Status
				Male	Female	
Abolfazl	Khajavi Rad	1st April 1969	Iranian	*		Married

Telephone			Fax	Email
Home	Office	Mobile		
	+98(0)51- 38002219-20	09153011468		khajavirada@mums.ac.ir

Educational Background: (last one first)

Degree	Field of Specialization	Name of Institution	City	Country	Received Date	Academic Rank
PhD of Physiology		University of Manchester	Manchester	United Kingdom	2005	PhD
Doctor of Medicine	General Medicine	Mashhad University of Medical Sciences (MUMS)	Mashhad	Iran	1995	M.D

Master Thesis:

Ph. D. Dissertation: Effect of rapid action of aldosterone in the rat kidney

Administrative Positions:

Job Title	Place of Work	Date		Name of Institution
		From	To	
Office manager, Department of Health	Department of Health	1998	2001	Mashhad University of Medical Sciences
Deputy of education, Faculty of Medicine	Faculty of Medicine	2006	2011	Mashhad University of Medical Sciences
Head of department of	Faculty of Medicine	2012	to date	Mashhad University of Medical Sciences

physiology				
Director, Postgraduate office	Mashhad University of Medical Sciences	2012	to date	Mashhad University of Medical Sciences

Master and Doctorate Theses Supervision:

No	Students Full Name	MS / Ph. D.	Title	Date
1	Shahrzad Havakhah	PhD Student	Study of the effect of systemic and local administration of bone marrow and adipose tissue-derived mesenchymal stem cells on functional improvement and renal tubular cell differentiation in ischemia-reperfusion model of acute renal failure in the rat	2012
2	Sara Hosseinian	PhD Student	Effect of <i>Nigella sativa</i> aqueous-alcoholic extract and thymoquinone against renal damage in unilateral ureteral obstruction model in rat	2013
3	Samira Shahraki	PhD Student	The effect of extra cellular matrix of kidney scaffold on growth and differentiation of MSCs isolated from human adipose tissue	2015
4	Somayeh Shafiee	MSc	Effect of <i>Nigella sativa</i> ethanolic extract on cisplatin - induced nephrotoxicity in the rat kidney	2010
	Nahid Monavar	MSc	Effect of fractions of <i>nigella sativa</i> extracts on calcium	2009

			oxalate stone in the rat kidney	
	Nafisesadat Tabasi	MSc	Effect of fractions of <i>Nigella Sativa</i> and Thymoquinone on Human Renal Cancer Cell – Line (ACHN)	2009
5	Shahrzad Havakhah	MSc	Effect of <i>nigella sativa</i> extract on ischemia reperfusion model in the rat kidney	2010
6	Sara Hosseinian	MSc	Preventive effect of <i>Nigella sativa</i> aqueous-ethanolic extract on cisplatin-induced nephrotoxicity and oxidative stress in the rat kidney	2011
7	Samira Shahraki	MSc	Effect of <i>Nigella Sativa</i> Ethanolic Extract and Thymoquinone on Human Renal Cancer Cell – Line (ACHN)	2012
8	Reza Mohebbati	MSc	Study of the effect of Curcuma Longa and <i>Nigella Sativa</i> hydro alcoholic extract on Adriamycin-induced proteinuria and oxidative stress in the rat kidney	2015
9	Zohreh Naji	MSc	Study of the effect of <i>plantago major</i> hydro alcoholic extract on Adriamycin-induced proteinuria and tissue damage in the rat kidney	2015
10	Nazanin Entezari	MSc	Study of the effect of <i>plantago major</i> hydro alcoholic	2016

			extract on Adriamycin-induced oxidative stress and inflammatory parameters in rat kidney	
11	Soghra Parhizgar	MSc	Effect of <i>Plantago major</i> aqueous – ethanolic extract on cisplatin – induced nephrotoxicity and oxidative stress in the rat kidney	2014

Publications: (books)

Title	Type of Work		Publisher	Date
	Translation	Compilation		
		*		

Publications: (papers)

Title of the Article	Journal	Websait journal	Date
Renoprotective Effect of Plantago Major Against Nephrotoxicity and Oxidative Stress Induced by Cisplatin	Iranian journal of kidney diseases		2016
Association of Age and Lipid Profiles with Measures of Renal Function in an Iranian Population	Journal of Dietary Supplements		2016
Renal injury, nephrolithiasis and Nigella sativa: A mini review	Avicenna Journal of Phytomedicine		2016
The protective effect of Nigella sativa against cisplatin-induced nephrotoxicity in rats	Avicenna Journal of Phytomedicine		2016
Adriamycin-induced oxidative stress is prevented by mixed hydro-alcoholic extract of Nigella sativa and Curcuma longa in rat kidney	Avicenna Journal of Phytomedicine		2016
The Effects of Vitamin C on Adriamycin-Induced	Current Nutrition &		2015

Hypercholesterolemia in Rat	Food Science		
Effect of hydro-alcoholic extract of Rosa damascena on cardiovascular responses in normotensive rat	Avicenna Journal of Phytomedicine		2015
Effect of total hydroalcoholic extract of Nigella sativa and its n-hexane and ethyl acetate fractions on ACHN and GP-293 cell lines	Journal of Traditional and Complementary Medicine		2015
Metabolic syndrome components as markers to prognosticate the risk of developing chronic kidney disease: Evidence-based study with 6492 individuals	Journal of Epidemiology & Community Health		2015
Metabolic syndrome components as markers to prognosticate the risk of developing chronic kidney disease: evidence-based study with 6492 individuals.	Journal of epidemiology and community health		2015
Cytotoxic and apoptogenic properties of Nigella sativa and thymoquinone, its constituent, in human renal cell carcinoma are comparable with cisplatin	Food and Agricultural Immunology		2015
Effect of Nigella sativa on ischemia-reperfusion induced rat kidney damage	Iranian Journal of Basic Medical Science		2014
The role of local renin-angiotensin system on high glucose-induced cell toxicity, apoptosis and reactive oxygen species production in PC12 cells	Iranian Journal of Basic Medical Sciences		2014
Evaluation of immune response after moderate and overtraining exercise in Wistar rat	Iranian Journal of Basic Medical Science		2014
Topical effectiveness of kiwifruit versus fibrinolysin ointment on removal of necrotic tissue of full-thickness burns in	Dermatologic Therapy		2012

male rats			
Alcea rosea root extract as a preventive and curative agent in ethylene glycol-induced urolithiasis in rats	Indian Journal of Pharmacology		2012
Effect of Alcoholic Extract of Nigella Sativa on Cisplatin-induced Toxicity in Rat	Iranian journal of kidney diseases		2012
The preventive effect of N-butanol fraction of Nigella sativa on ethylene glycol-induced kidney calculi in rats	Pharmacognosy Magazine		2011
Effect of commercial (vimang) and hydroalcoholic extract of Mangifera indica (Mango) on gentamicin-induced nephrotoxicity in rat	Avicenna Journal of Phytomedicine		2011
Preventive effect of Nigella sativa aqueous-ethanolic extract on cisplatin-induced nephrotoxicity in the rat kidney	Clinical Biochemistry		2011
Evaluation of the effect of formic acid and sodium formate on hair reduction in rat	Clinical, Cosmetic and Investigational Dermatology		2011
The Beneficial Effect of Cynodon Dactylon Fractions on Ethylene Glycol-Induced Kidney Calculi in Rats	Urology journal		2011
The preventive effects of ethyl acetate fractions from aqueous and ethanolic extract of Nigella sativa L. seeds on calcium oxalate stones in Wistar rat	Koomesh		2008
Rapid natriuretic action of aldosterone in the rat	Journal of Applied Physiology		2005

International Refereed Conferences:

Title of the Article	Title and Place	Date
Rapid increase in urinary sodium excretion in response to aldosterone in anaesthetised rat	J Physiol-England	2002
Effect of aldosterone on rapid cAMP generation in isolated rat proximal tubules	J Physiol-England	2004
Rapid effects of aldosterone in the rat kidney	Cell Mol Biol Letters-England	2004
Aldosterone stimulates a rapid increase in urinary sodium excretion but not urinary HCO ₃ ⁻ excretion nor pH in the anaesthetised rat	J Physiol-England	2003

National Refereed Conferences:

Title of the Article	Title and Place	Date
Prevalence of blood groups among kidney transplant recipients in Mashhad Ghaem Hospital	Iranian Congress of Renal Transplantation, Mashhad-Iran	2008
Proliferation Inhibition and Induction of Apoptosis in Renal Cell Carcinoma Cell Lines (ACHN) by Thymoquinone (<i>Oral Presentation</i>)	International Congress of Traditional and Complementary Medicine, Sari-Iran	2008
Effect of Nigella Sativa (NS) Ethanolic Extract on Human Renal Cancer Cell Line (ACHN) Comparing with Normal Cell Line (L929)(<i>Oral Presentation</i>)	19 th International Iranian Congress of physiology and pharmacology -Tehran	2009
Histological evaluation of the protective effects of nigella sativa on rat renal ischemic-reperfusion injury	19 th International Iranian Congress of physiology and pharmacology -Tehran	2009
Effect of Ethanolic Exteract of Alcea Roseae Root on Calcium Oxalate Renal Stone in the Rat	20 th International Iranian Congress of physiology and pharmacology -Hamadan	2011
Effect of nigella sativa aqueous-ethanolic extract on kidney function in cisplatin-induced nephrotoxicity in the rat	20 th International Iranian Congress of physiology and pharmacology -Hamadan	2011

Effect of Nigella sativa aqueous-ethanolic extract on renal oxidative stress followed cisplatin-induced nephrotoxicity in the rat	20 th International Iranian Congress of physiology and pharmacology -Hamadan	2011
Effect of Nigella sativa ethanolic-aqueous extract on genomic and oxidative injury following renal ischemic-reperfusion in the rat	20 th International Iranian Congress of physiology and pharmacology -Hamadan	2011
Acute effects of nigella sativa extract on kidney function and histology in renal ischemicreperfusion model in the rat	20 th International Iranian Congress of physiology and pharmacology -Hamadan	2011
Preventive Effect of Nigella sativa ethanolic-aqueous extract on cisplatin-induced nephrotoxicity in the rat kidney	12 th International Congress of Biochemistry-Mashhad	2011
Effect of aqueous-ethanolic extract of Nigella sativa on cisplatin-induced nephrotoxicity in rats	12 th International Congress of Biochemistry-Mashhad	2011
Acute effect of Nigella sativa on ethanolic-aqueous extract serum parameters in renal model in ischemic-reperfusion the rat	12 th International Congress of Biochemistry-Mashhad	2011
Acute action of Nigella sativa ethanolic-aqueous extract clearance tests in renal ischemic-reperfusion model in the rat	12 th International Congress of Biochemistry-Mashhad	2011
Effect of Nigella sativa aqueous-alcoholic extract on cisplatin-induced nephrotoxicity in the rat kidney	21 th International Iranian Congress of physiology and pharmacology –Tabriz	2013
Effect of nigella sativa aqueos-alcholic extract on renal pathology and oxidative s stress in cisplatin induced nephrotoxicity in rat	21 th International Iranian Congress of physiology and pharmacology- Tabriz	2013

The effect of Metabolic Syndrome on kidney parameters in MASHAD study cases	21 th International Iranian Congress of physiology and pharmacology- Tabriz	2013
Effect of dichloromethane fraction of nigella sativa on percentage of live cells in human renal carcinoma cell line (ACHN) compared to normal human renal epithelial cells (GP-293)	21 th International Iranian Congress of physiology and pharmacology- Tabriz	2013
Effect of n-Hexane and ethyl acetate fractions of nigella sativa on percentage of live cells in human renal carcinoma cell line (ACHN), (<i>Oral Presentation</i>)	21 th International Iranian Congress of physiology and pharmacology- Tabriz	2013
Effect of aqueous fraction of nigella sativa on percentage of live cells in human renal carcinoma cell line (ACHN) and normal human renal epithelial cells (GP-293)	21 th International Iranian Congress of physiology and pharmacology- Tabriz	2013
Effect of ethyl acetate and aqueous fraction of Nigella sativa on the morphology and apoptosis in human renal carcinoma cell line (ACHN)	22 th International Iranian Congress of physiology and pharmacology-Kashan	2015

Awards, Honorary Degrees, Medals:

Title	Presented by	Country	Date

Membership to Scientific Associations:

Name of Institution /Association	Country	Date
Member of Iranian Society of Physiology and Pharmacology	Iran	2007-to date
Member of American Physiological Society (APS)	USA	2002-to date
Member of Physiology Society	UK	2002-2005
Member of Society of Endocrinology	UK	2003-2011
Alumni member of University of Manchester	UK	2005-to date

Activities:

Working with animal
Techniques for animal surgery
Working with radioactive substances
Renal artery perfusion techniques
Kidney tubules isolation and incubation
Renal tubular cells isolation, incubation and perfusion
Imaging techniques
Cell volume change study
Renal function study methods: GFR, electrolyte excretion, water homeostasis, acid-base balance, etc
Renal failure study methods: Ischemic & Toxic Models
Kidney obstructive nephropathy model in the rat
Proteinuria model in the rat
Renal stone formation: prevention and treatment <i>in vivo</i>
Stem cell therapy in kidney injury
Kidney cancer cells <i>in vitro</i>
Clearance study technique
Regenerative medicine

Research Interests:

Renal Physiology Research
Research on Kidney Injury Models
Research on Nephrotic Syndrome and Rat Proteinuric models
Research on Kidney Obstructive Models
Stem cell therapy in Renal Diseases
Tissue engineering in Renal Diseases
Renal Transport and Signaling Pathways Research
System Biology Research and Kidney Function
Metabolic Syndrome and kidney function Research
Renal Physiology and Membrane Transport Research
Nutritional Medicine and Kidney Function Research