

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	
Mohammad Hossein	Boskabady	27/04/1958	Iranian	✓		Married

Telephone			Fax	Email
Home	Office	Mobile		
+98 511 8430361	+98 511 8828565	+98 915 116 3854	+98 511 8828564	boskabady@ums.ac.ir mhboskabady@hotmail.com

**Educational Background: (last one first)**

Degree	Field of Specialization	Name of Institution	City	Country	Received Date	Academic Rank
Ph.D	Clinical Physiology	Charing Cross and Westminster Medical School	London	UK	Aug 1991	
Postgraduate student	Physiology	University of London	London	UK	Mar 1988	
M.D		Mashhad University of Medical Sciences	Mashhad	IR Iran	1981	

**Master Thesis:**

**Ph. D. Dissertation:** Responsiveness of human bronchi to pharmacological agonists and antagonists

**Administrative Positions:**

Job Title	Place of Work	Date		Name of Institution
		From	To	
Doctor	Emergency and Casualty Dept, Imam Reza Hospital	Dec 1981	Oct 1986	Mashhad University of Mededical Sceince
Lecturer in Clinical Physiology	D Dept. of Physiology, Ghaem Medical Centre	Dec 1981	Oct 1986	Mashhad University of Mededical Sceince
Assistant Professor in Clinical Physiology	Dept. of Physiology, Ghaem Medical Centre	Aug 1992	Oct 1999	Mashhad University of Mededical Sceince
Associate Professor in Clinical Physiology	Dept. of Physiology, Ghaem Medical Centre	Oct 1999	Feb 2004	Mashhad University of Mededical Sceince
Professor in Clinical Physiology	Dept. of Physiology, Ghaem Medical Centre	Feb 2004		Mashhad University of Mededical Sceince

## Master and Doctorate Theses Supervision:

No	Students Full Name	MS / Ph. D.	Title	Date

## Publications: (books)

Title	Type of Work		Publisher	Date
	Translation	Compilation		
Practical Physiology				1993
Hand Note in Respiratory Physiology for Dentistry and Nursing				1993
Hand Note in Heart Physiology for Dentistry and Nursing Students				1994
Hand Note in Blood Physiology for Dentistry and Nursing Students Hand Note in Blood Physiology for Dentistry and Nursing Students				1994
Hand Note in Cell Physiology for Dentistry and Nursing Students				1998
Mechanics of Ventilation for Medical and Pharmacy Students				1999

## Publications: (papers)

Title of the Article	Journal	Websait journal	Date
The contribution of water and lipid soluble substances in the relaxant effects of <i>Nigella sativa</i> on guinea pig tracheal chains.	Ir J Basic Med Sci		2007
The effect of hoemodialysis on pulmonary function tests and respiratory symptoms in patients with chronic renal failure.	Pak J Med Sci		2007
Relaxant effect of <i>Satureja hortensis</i> on guinea pig tracheal chains and its possible mechanism(s).	Daru		2007
Effect of aqueous-ethanol extract from <i>Crocus sativus</i> (saffron) on guinea-pig isolated heart.	Phytother Res.		2007
The possible prophylactic effect of <i>Nigella sativa</i> seed extract in asthmatic patients.	Fund Clin Pharmacol		2007
Respiratory symptoms and pulmonary function changes among carpet weavers in Iran.	Int J Occup Environ Health		2007
The effect of expouser of guinea pigs to cigarette smoke and their sensitization with ovalbumin in tracheal responsiveness to histamine and hisatamine (H <sub>1</sub> ) receptor blockade by chlorpheniramine.	Pathophysiology		2007
Association of the expression of IL-4 and IL-13 genes, IL-4 and IgE serum levels with allergic asthma..	Iran J Allergy Asthma Immunol		2007
Bronchodilatory effect of <i>Carum copticum</i> in airways of asthmatic patients.	Thérapie		2007
Influence of epithelium on beta-adrenoceptor desensitization of guinea pig tracheal smooth muscle.	Respiratory Physiology and Neurobiology,		2007
Relaxant effects of different fractions from <i>Nigella sativa</i> on guinea pig tracheal chains and its possible mechanism(s).	Ind J Exp Biol		2008
Improvement in symptoms, wheezing and pulmonary function tests of asthmatic patient's due to their treatment according to Global Strategy for Asthma Management	BMC Pulmonary Medicine		2008

(GINA).			
The possible prophylactic effect of <i>Nigella sativa</i> seed extract on respiratory symptoms and pulmonary function tests on chemical war victims.	J Alt Comple Med		2008
Stimulatory effect of <i>Crocus sativus</i> (saffron) on $\beta_2$ -adrenoceptors of guinea pig tracheal chains.	Phytomedicine		2008
The protective effect of <i>Nigella sativa</i> on lung injury of sulphur mustard exposed guinea pigs.	Exp Lung Res		2008
The effect of natural adjuvants on cell count in lung lavage of sensitized guinea pigs.	Pharmacologyonline		2008
Airway responses to salbutamol after exposure to chemical warfare.	Respirol		2008
Relaxant effects of <i>Achillea millefolium</i> on guinea-pig tracheal chains.	Pharmacologyonline		2009
Best drugs for avoiding paradoxical bronchospasm during spirometry.	Tanaffos		2009
Accuracy of mid expiratory flow and dysanapsis parameters for evaluation of methacholine provocation test.	Tanaffos		2009
Work-related respiratory and allergic symptoms and pulmonary function tests in Iranian printers.	Saudi Med J		2009
Pulmonary function tests and work-related respiratory and allergic symptoms in Iranian bakers.	Iran J Allergy Asthma Immunol.		2009
The effect of the natural adjuvants on tracheal responsiveness and cell count in BAL and blood of sensitized guinea-pig.	Respirology		2009
The effect of <i>Zataria multiflora</i> Bois on $\beta_2$ -adrenoceptors of guinea pig tracheal chains.	Pharmacologyonline		2009
Effect of <i>Crocus sativus</i> (saffron) on muscarinic receptors of guinea pig tracheal chains.	Functional Plant Science and Biotechnology		2010
Use of in vitro assays to assess the potential antiproliferative and cytotoxic effects of saffron ( <i>Crocus sativus</i> L.)	human lung cancer cell line. Pharmacognosy Magazine		2010
Work-related respiratory symptoms and pulmonary function tests in northeast iranian (the city of Mashhad) carpenters.	Clincs		2010
Effect of thymoquinone on lung pathology and cytokine levels of ovalbumin-sensitized guinea-pigs.	Pharmacol Rep		2010
Effect of inhaled fluticasone on lung inflammation administered during and after guinea pig sensitization.	Arch Bronchneumo		2010
The effect of inhaled salmeterol, alone and in combination with fluticasone propionate, on management of COPD patients.	Clin Respir J		2010
Occupational exposures and obstructive lung disease: a case-control study in hairdressers.	Rspir Care		2010
Antiasthmatic effect of <i>Nigella sativa</i> in airways of asthmatic patients.	Phytomed		2010
Differences in the relaxant effects of different fractions of <i>Rosa damascena</i> on guinea pig tracheal smooth muscle.	Iran J Basic Med Sci		2010
Prevalence of chest wall deformities in a large sample of Iranian children aged 7-14 years.	Iran J Pediatr		2010
Inhibitory effect of <i>Crocus sativus</i> (saffron) on histamine ( $H_1$ ) receptors of guinea pig tracheal chains. Pharmezie	Iran J Pediatr		2010
The effect of thymoquinone, the main constituent of <i>Nigella sativa</i> on tracheal responsiveness and white blood	Planta Med		2010

cell count in lung lavage of sensitized guinea pigs.			
<i>Zataria multiflora</i> Boiss and carvacrol affect $\beta_2$ -adrenoceptors of guinea pig trachea.	eCAM		2011
The effect of <i>Crocus sativus</i> extract on human lymphocytes' cytokines and T Helper 2/T Helper 1 balance.	J Med Food		2011
Prevalence of exercise induced asthma in female school students. Iran J Allergy Asthma Immunol.	Iran J Allergy Asthma Immunol		2011
Effect of <i>Zataria multiflora</i> Bois L. on histamine ( $H_1$ ) receptor of guinea pig tracheal chains.	Indian J Ex Biol		2011
The effect of <i>Nigella sativa</i> alone and in combination with dexamethasone on tracheal responsiveness and lung inflammation of sulfur mustard exposed guinea pigs.	J Ethnopharmacol;		2011
Pulmonary function tests and respiratory symptoms among amokers in the city of Mashhad (north east of Iran).	Rev Port Pneumol.		2011
<i>Zataria multiflora</i> Boiss inhibited muscarinic receptors of incubated tracheal smooth muscle with propranolol.	Avicenna Journal of Phytomedicine		2011
Pharmacological effects of <i>Rosa damascena</i> .	Iran J Basic Med Sci		2011
The effect of <i>Nigella sativa</i> extract on tracheal responsiveness and lung inflammation in ovalbumin sensitized guinea pigs.	Clinics		2011
The effect of carvacrol on muscarinic receptors of guinea pig tracheal chains.	Phyther Res		2011
The Effect of Vitamin E on Tracheal responsiveness and lung inflammation in sulfur mustard exposed guinea pigs.	Inhalation Toxicology		2011
Potential immunomodulation effect of <i>Nigella sativa</i> on ovalbumin sensitized guinea pigs	J Zhejiang Univ-Sci B (Biomed & Biotechnol)		2011
Effect of aqueous-ethanolic extract from <i>Rosa damascena</i> on guinea pig isolated heart.	Iran J Basic Med Sci		2011
The prevalence of smoking among the population in the city of Mashhad (north east of Iran) and pulmonary function tests among smokers.	Pneumonol Alergol Pol		2011
Inhibitory effect of safranal on histamine ( $H_1$ ) receptors of guinea pig tracheal chains.	Fitoterapia		2011
Preventive Effect of Novel Bacterial Polysaccharide and Animal Splenic Protein as Natural Adjuvants on Animal Model of Asthma.	Iran J Basic Med Sci.		2012
Effect of inhaled medication and inhalation technique on dental caries in asthmatic patients.	Ir Red Cres Med J		2012
Respiratory symptoms and pulmonary function testes in lead exposed workers.	Ir Red Cres Med J		2012
Tracheal responsiveness to methacholine and ovalbumin; and lung inflammation in sensitized guinea pigs exposed to inhaled lead after sensitization.	Eco Env Saf		2012
The effect of the extract of <i>Crocus sativus</i> and its constituent safranal, on lung pathology and lung inflammation of ovalbumin sensitized guinea-pigs.	PhytoMed		2012
Comparison of pulmonary function tests and respiratory symptoms between water pipe and cigarette smokers.	Respirol		2012
The potential effect of the extract of <i>Crocus sativus</i> and safranal on total and differential white blood cells in blood of ovalbumin-sensitized guinea-pigs.	Res Pharmac Sci		2012
Exercise induced bronchospasm in physically educated girl students of Kerman University and their pulmonary function tests.	J Body Work		2012

Inhibitory Effect of <i>Zataria multiflora</i> Boiss and carvacrol on histamine (H <sub>1</sub> ) receptors of guinea pig tracheal chains.	Fund Clin Pharmacol		2012
Possible mechanism(s) of the relaxant effect of <i>Ferula assa-foetida</i> oleo-gum-resin Extract on guinea-pig tracheal smooth muscle.	Avic J Phytomed		2012
Relaxant effects of different fractions from <i>Tymus vulgaris</i> on guinea pig tracheal chains and its possible mechanism(s).	Biol Res		2012
The effect of vitamin E on pathological changes of kidney and liver in sulfur mustard exposed guinea pigs.	Tox Ind Health		2012
Anticholinergic effect of <i>Zataria multiflora</i> Boiss on guinea pig tracheal chains.	Natural Product Res		2012
The impact of <i>Zataria multiflora</i> Boiss extract on in vitro and in vivo Th1/Th2 cytokine (IFN- $\gamma$ /IL4) balance.	J Ethnopharmacol		2013
Effect of inhaled fluticasone and salmetrol on tracheal responsiveness and lung inflammation; influence of administered time and allergen free period.	Ind J Med Sci		2013
Diagnosis of chronic obstructive pulmonary disease earlier than current Global Initiative for Obstructive Lung Disease guidelines using a feasible spirometry parameter (maximal-mid expiratory flow/forced vital capacity).	Chronic Respiratory Disease		2013
The Effect of hydroethanolic extract of <i>Achillea millefolium</i> on $\beta$ -adrenoceptors receptors of guinea pig tracheal smooth muscle.	Indian J Pharm Sci		2013
The extract of <i>Crocus sativus</i> and its constituent safranal, affect serum levels of endothelin and total protein in sensitized guinea-pigs.	Iran J Basic Med Sci;		2013
Inhaled lead exposure affects tracheal responsiveness and lung inflammation in guinea pigs during sensitization.	Biol Trace Elem Res		2013
The effect of natural adjuvants (G2, G2F) on lung inflammation of sensitized guinea pigs.	Avicenna J Phytomed		2013
The effect of carvacrol on serum cytokines and endothelin levels of ovalbumin sensitized guinea-pigs.	Iran J Bas Med Sic:		2013
Possible mechanism(s) of the relaxant effects of <i>Achillea millefolium</i> on guinea-pig tracheal chains.	Iran J Pharm Res		2013
Possible mechanism of inotropic and chronotropic effects of <i>Rosa damascena</i> on isolated guinea pig heart.	Daru J Pharm Sci		2013
The effect of the extract of <i>Crocus sativus</i> on tracheal responsiveness and plasma levels of IL-4, IFN- $\gamma$ , total NO and nitrite in ovalbumin sensitized Guinea-pigs.	J EthnoPharmacol		2013
Effect of carvacrol on tracheal responsiveness, inflammatory mediators, total and differential WBC count in blood of sensitized guinea pigs.	Exp Biol Med		2013
The preventive effect of Brassica napus L. oil on pathophysiological changes of respiratory system in experimental asthmatic rat.	Avicenna J Phytomed		2013
The effect of lead exposure on selected blood inflammatory biomarkers in guinea pigs.	Cardiovasc Hematol Disord Drug Targets		2013
The effect of hydro-ethanolic extract of <i>Achillea millefolium</i> on muscarinic receptors of guinea pig tracheal smooth muscle.	Ind J Pharmacol		2013
Dose asafetida ( <i>Ferula Aassafoetida</i> oleo-gum-resin) extract and its constituent umbelliprenin have relaxant effects on guinea-pig tracheal smooth muscle.	Chin J Integ Med		2014
The relaxant effect of <i>Nigella sativa</i> on smooth muscles, it's possible mechanisms and clinical applications.	Iran J Basic Med Sci		2014

Antiinflammatory, antioxidant, and immunological effects of <i>Carum copticum</i> L. and some of its constituents.	Phytother Res		2014
The extract of <i>Zataria multiflora</i> affect tracheal responsiveness, serum levels of NO, nitrite, PLA2, TP and histamine in sensitized guinea pigs.	J Ethnopharmacol.		2014
Effect of <i>Nigella sativa</i> on immune response in treadmill exercised rat.	BMC Complementary and Alternative Medicine		2014
Adipose-derived stromal cell therapy affects lung inflammation and tracheal responsiveness in guinea pig model of COPD.	PLoS ONE		2014
Potential effect of the extract of <i>Zataria multiflora</i> and its constituent, carvacrol, on lung pathology, total and differential WBC, IgE and eosinophilperoxidase levels in sensitized guinea pigs.	J Func Food		2014
<i>Nigella sativa</i> pretreatment in guinea pigs exposed to cigarette smoke modulates in vitro tracheal responsiveness.	Iran Red Crescent Med J.		2014
The effects of <i>Valeriana officinalis</i> L. hydro-alcoholic extract on depression like behavior in ovalbumin sensitized rats.	J Pharm Bioallied Sci		2014
The preventive effects of natural adjuvants, G2 and G2F on tracheal responsiveness and serum IL-4 and IFN-c (th1/th2 balance) in sensitized guinea pigs.	Clinics.		2014
<i>Carum copticum</i> , a herbal medicine with various pharmacological effects. (Review Article)	BioMed Res Inter		2014
Prevalence of water pipe smoking in the city of Mashhad (North East of Iran) and its effect on respiratory symptoms and pulmonary function tests.	Lung India		2014
Effect of the <i>Zataria multiflora</i> on Systemic Inflammation of Experimental Animals Model of COPD.	BioMed Res Inter		2014
Lead exposure affects inflammatory mediators, total and differential white blood cells in sensitized guinea pigs during and after sensitization.	Drug Chem Toxicol,		2014
The effect of exposure to chlorine on pulmonary function tests and respiratory and allergic symptoms in Iranian lifeguards.	Tox Ind Health		2014
Prediction Equations for Pulmonary Function Values in Healthy Children in Mashhad City, North East Iran.	J Res Med Sci		2014
The effect of safranal, a constituent of <i>Crocus sativus</i> (saffron), on tracheal responsiveness, serum levels of cytokines, total NO and nitrite in sensitized guinea pigs.	Pharmacological Reports		2014
The effect of the natural adjuvants on pathological changes in sensitized guinea pig lung.	Iran Red Crescent Med J.		2014
The effect of lead exposure on tracheal responsiveness to methacholine and ovalbumin, total and differential WBC counts and serum levels of IgE, histamine and cytokines in guinea pigs.	Hum ExpTox		2014
The effect of adipose derived stromal cells on oxidative stress level, lung emphysema and white blood cells of guinea pigs model of chronic obstructive pulmonary disease.	Daru J Pharmac Sci		2014
Evaluation of immune response after moderate and overtraining exercise in Wistar rat.	Iran J Basic Med Sci;		2014
Effect of fluticasone and salmeterol on tracheal responsiveness to ovalbumin and lung inflammation, administrated during and after sensitization.	Sci World J		2014

Immunomodulatory and cytotoxic effects of <i>Nigella sativa</i> and thymoquinone on rat splenocytes.	Food Chem Tox		2015
Respiratory effects of sulfur mustard exposure, similarities and differences with asthma and COPD.	Inhal Toxicol.		2015
A review of the relaxant effect of various medicinal plants on tracheal smooth muscle, their possible mechanism(s) and potency.	J Ethnopharmacol.		2015
The inhibitory effects of <i>Ferula assafoetida</i> on muscarinic receptors of guinea-pig tracheal smooth muscle.	Jundishapur J Nat Pharm Prod.		2015
The effects of <i>Crocus sativus</i> (saffron) and its constituents on nervous system: A review.	Avec J Phyto Med.		2015
Smooth muscle relaxant activity of <i>Crocus sativus</i> (saffron) and its constituents: possible mechanisms.	Avec J Phyto Med.		2015
Anti-inflammatory, antioxidant, and immunomodulatory aspects of <i>Nigella sativa</i> for its preventive and bronchodilatory effects on obstructive respiratory diseases: A review of basic and clinical evidence.	J Functional Foods.		2015
The effect of <i>Zataria multiflora</i> and its constituent, carvacrol, on tracheal responsiveness and lung pathology in guinea pig model of COPD.	Phytother Res.		2015
Lung inflammation changes and oxidative stress induced by cigarette smoke exposure in guinea pigs affected by <i>Zataria multiflora</i> and its constituent, carvacrol.	BMC Complement Altern Med.		2015
The relaxant effect of <i>Ferula assafoetida</i> on smooth muscles and the possible mechanisms.	J Herb Med Pharmacol.		2015
The effect of chemical warfare on respiratory symptoms, pulmonary function tests and their reversibility 23-25 years after exposure.	Toxicol Ind Health.		2015
The effect of carvacrol on systemic inflammation in guinea pigs model of COPD induced by cigarette smoke exposure.	Pharmacol Rep.		2015
Effect of <i>Zataria multiflora</i> extract on total and differential white blood cell count and endothelin level in blood of ovalbumin sensitized guinea pigs.	Chin J Integr Med		2016
The Effect of safranal on Th1/Th2 cytokine balance.	Iran J Immunol.		2016
Animal model of asthma, various methods and measured parameters, a methodological review.	Iran J Allergy Asthma Immunol. December		2016
The influence of hydro-ethanolic extract of <i>Portulaca oleracea</i> on Th <sub>1</sub> /Th <sub>2</sub> balance in isolated human lymphocytes.	J Ethnopharmacol.		2016
The effect of vitamin E on lung pathology in sulfur mustard-exposed guinea pigs.	Toxicol Ind Health.		2016
Carvacrol attenuates serum levels of total protein, phospholipase A2 and histamine in asthmatic guinea pig.	Avicenna J Phytomed,		2016
The effects of captopril on lipopolysaccharide induced learning and memory impairments and the brain cytokine levels and oxidative damage in rats.	Life Sci.		2016
Lipopolysaccharide-Induced spatial memory and synaptic plasticity impairment is preventable by captopril.	Advances in Medicine		2016
Evaluation of Simvastatin and Bone Marrow-Derived Mesenchymal Stem Cell Combination Therapy on Airway Remodeling in a Mouse Asthma Model..	Lung		2016
The effect of climatic conditions on exercise-induced bronchoconstriction in 10-12 year old students.	J Bodywork & Movement Ther		2016
<i>Portulaca oleracea</i> Affects Muscarinic Receptors of Guinea Pig Tracheal Smooth Muscle.	Ind J Pharmac Scei		2016



	Indian J Pharm Sci		
Preclinical and clinical effects of <i>Nigella sativa</i> and its constituent, thymoquinone: A review.	J Ethnopharmacol		2016
The impact of “ <i>Ramadan fasting period</i> ” on total and differential white blood cells, haematological indices, inflammatory biomarker, respiratory symptoms and pulmonary function tests of healthy and asthmatic patients.	Allergol Immunopathol		2016
Antiinflammatory, Antioxidant, and Immunomodulatory Effects of <i>Crocus sativus</i> L. and its Main Constituents.	Phytother Res		2016
Contribution of water and lipid soluble substances in the relaxant effects of <i>tymus vulgaris</i> extract on guinea pig tracheal smooth muscle in vitro.	Chin J Integ Med		2016
Effect of carvacrol on various cytokines genes expression in splenocytes of asthmatic mice.	Iran J Basic Med Sci		2016
Inhaled lead affects lung pathology and inflammation in sensitized and control guinea pigs.	Environ Toxicol.		2016
Effect of bone marrow derived mesenchymal stem cells on lung pathology and inflammation in ovalbumin-induced asthma in mouse.	Iran J Basic Med Sci.		2016
Possible mechanisms for functional antagonistic effect of <i>Ferula assafoetida</i> on muscarinic receptors in tracheal smooth muscle.	Malays J Med Sci.		2016
Administration of ethanolic extract of <i>Ocimum basilicum</i> leaves attenuates depression like behavior in the rats sensitized by ovalbumin.	Current Nutrition & Food Science.		2016
Gastrointestinal effects of <i>Nigella sativa</i> and its main constituent, thymoquinone: a review.	Avicenna J Phytomed,		2016
Immunomodulatory effect of characterized extract of <i>Zataria multiflora</i> on Th1, Th2 and Th17 in normal and Th2 polarization state.	Food Chem Toxicol.		2017

### Publications (Conference Full Papers)

Title of the Article	Title and Place	Websait conference	Date

### International Refereed Conferences:

Title of the Article	Title and Place	Date
The prophylactic effect of <i>Nigella sativa</i> on asthma disease.	Supple 51	2007
COPD and airway responsiveness to Beta-agonists.	Supple 51	2007
The influence of epithelium on the effect of isoprenaline incubation in responsiveness of guinea-pig trachea to $\beta$ -adrenergic agonist and antagonist.	Supple 51	2007
Tracheal responsiveness to isoprenaline and beta <sub>2</sub> -adrenoreceptor blockade by propranolol in cigarette smoke exposed and sensitized guinea	Supple 52	2008
Respiratory Symptoms Among Carpet Weavers and their Pulmonary Function Tests Changes Within a Three Year Study (2002 - 2005) in Iran.	Supple 52	2008
Spirometric diagnosis of at risk chronic obstructive pulmonary disease using FEF <sub>25-75</sub> /FVC parameter.	Supple 52	2008
Therapeutic effects of <i>Crocus sativus</i> (saffron) on	2 <sup>nd</sup> World Congress on Magic	2008



respiratory diseases	Bullets	
Prevalence of smoking among population in the city of Mashhad (north east of Iran) and their pulmonary function tests	Firs Regional Congress on Tobacco and Health.	2008
Comparison of pulmonary function tests between water pipe smokers and non smoker subjects.	Firs Regional Congress on Tobacco and Health.	2008
Prevalence of water pipe smoking among population in the city of Mashhad (north east of Iran) and their pulmonary function tests and respiratory symptoms compared to cigarette smokers and non smoker subjects.	Supple 53	2009
Inhibitory Effect of <i>Crocus sativus</i> (Saffron) on Histamine (H <sub>1</sub> ) Receptors of Guinea Pig Tracheal Chains	Supple 53	2009
Effect of <i>Nigella sativa</i> Seed on Respiratory Symptoms and Pulmonary Function Tests of Chemical War Victims.	Supple 53	2009
The effect of vitamine E on lung inflammation of sulphur mustard exposed guinea pigs.	Supple 53	2009
The accuracy of mid expiratory flow and dysanapsis parameters for evaluation of methacholine provocation test	Supple 53	2009
The effect of vitamine E on total and differntial WBC and blood cytokines of sulphur mustard exposed guinea pigs.	8 <sup>th</sup> APAMT Congress,	2009
Occupational respiratory and allergic symptoms and their pulmonary function tests changes in Iran.	3 <sup>rd</sup> Iranian Asthma Congress. Iran J Allergy, Asthma, Immunol	2009
Pharmacological effect of <i>Crocus sativus</i> (saffron) and its constituent safranal on respiratory system.	2 <sup>nd</sup> International Seminar on Medicinal Plants.	2010
Effect of inhaled medication and inhalation technique on dental caries in asthmatic patients	Supple 5	2010
The effect of <i>Crocus sativus</i> (saffron) on respiratory system in vitro.	Supple 5	2010
Comparison of pulmonary function test between warer pipe smokiers and non smokers subjects	Supple 5	2010
Pharmacological and clinical effects of <i>Niggella sativa</i> on asthma.	12th International Symposium on Natural Products Chemistry	2010
Prediction Equations for Pulmonary Function Values in Healthy Iranian Children (Aged 4-10 Years).	Supplement 4	2010
The effect of Crocus sativus extract on human lymphocyte's cytokines and Th2/Th1 balance.	Supplement 13S	2011
The effect of the extract of Crocus Sativus on tracheal responsiveness to ovalbumin sensitized guinea-pigs	Supplement 13S	2011
Safranal, the constituent of Crocus sativus affects human lymphocyte's cytokines and Th1/Th2 balance.	Supplement 13S	2011
Dose asafoetida (Ferula assafoetida oleo-gum-resin) extract has relaxant effects on guinea-pig tracheal chains.	Supplement 13S	2011
Anticholinergic effect of Achillea wilhelmsii on guinea pig tracheal chain.	Supplement 13S	2011
The effect of <i>Nigella sativa</i> alone, and in combination with dexamethasone, on tracheal muscle responsiveness and lung inflammation in sulfur mustard exposed guinea pigs.	Supple 1	2011
The effect of the lead acetate (Pb) on tracheal responsiveness in sensitized guinea-pigs.	Supple 1	2011

The effect of inhaled lead exposure on tracheal responsiveness and lung inflammation in guinea pigs during sensitization.	Supple 1	2012
Respiratory effects of <i>Crrocus sativus</i> (saffron) and its constituent safranal.	Supple 1	2012
The Effects of <i>Tymus volgaries</i> , <i>Zataria multiflora Boiss</i> and Carvacrol on respiratory system	13 <sup>TH</sup> international symposium on natural product chemistry	2012

#### National Refereed Conferences:

Title of the Article	Title and Place	Date

#### Awards, Honorary Degrees, Medals:

Title	Presented by	Country	Date
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2000
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2001
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2002
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2002
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2003
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2004
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2005
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2006
Selected Researcher in Basic Medical Sciences, Khorasan provience		Iran	2007
Selected Researcher in Basic Medical Sciences, Khorasan provience		Iran	2008
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2009
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2010
Research in Basic Medical Sciences, Mashhad University of Medical Sciences Festival (First Prize)		Iran	2011
Best Researcher, Mashhad University of Medical Sciences Festival (second Prize)		Iran	2012
Best Researcher, Mashhad University of Medical Sciences Festival.		Iran	2013
Best Researcher, Mashhad University of Medical Sciences Festival.		Iran	2016

#### Membership to Scientific Associations:

Name of Institution /Association	Country	Date
European Respiratory Society		
Asian and Pacific Respiratory Society		
Iranian Physiology and Pharmacology Society		
Iranian Asthma and Allergy Society		

#### Activities:



**Research Interests:**

Airway pharmacology and regulation in asthma, COPD and chemical war victims
The effect of Medicinal plants on respiratory diseases (mainly asthma, COPD and chemical war victims)
Pulmonary Function tests in health and lung diseases
Exercise and rehabilitation in respiratory disease
Respiratory manifestation due to sulfur mustard exposure
Occupational respiratory diseases
Respiratory effect of environmental pollution