

CURRICULUM VITAE

Personal information:

Name: Jalal

Surname: Zaringhalam Moghadam

Date of birth: 11 Sep1974

Place of birth: Tabriz-Iran



Personal Address:

Tehran, Iran

Mobil: +98 (912) 516 83 13

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Work place:

Physiology Department

Education:

- 1) PhD of Physiology, Shahid Beheshti University of Medical Sciences (2004 - 2008)

Title of thesis: The correlation between spinal (Mu) opioid receptor expression and hyperalgesia variation during chronic inflammation due to Complete Freund's adjuvant (CFA)

- 2) Medical Doctor, Tabriz medical university. (1992-1999).

Title of thesis: Aphtosis, proposed etiology and treatment ways in 254 medical students

Other advanced degrees:

- 1) International certificate in “*Acupuncture*”. Beijing International University of Traditional Chinese Medicine. (15Apr- Dec 2002)
- 2) International certificate in “*Su jok acupuncture therapy*”. International Onnuri Foundation a Su jok Academy. (Sep- Oct.2001)

Honors and awards:

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- 1) Honored for Research in the field of Alternative medicine Treatment by President of Institute of Medicinal plants, ACECR, Tehran, Iran 2010.
 - 2) Honored for Silvertone Human Physiology Book Translation by Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2013.
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Professional licenses and Board Certification:

Medical doctor; ID number in medical council of Iran: 76916.

Research Project Managing:

More than 18 basic and clinical medical projects were managed since 2008 till present.

Supervision of more than 20 PhD. ; Msc. and GP. students thesis since 2008 till present.

Academic Appointments:

- Associate professor and faculty member of Physiology Department, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Invited assistant professor for medical students teaching in International Branch of Shahid Beheshti University of Medical Science. Qeshm, Iran.

Research fields:

- Neuroscience (Behavioral and Molecular aspects of Pain)
- Alternative medicine treatment (Acupuncture and Herbal medicine)
- Clinical pain rehabilitation
- Drug addiction

Research skills:

- 1) Pain models (behavioral and molecular approaches to it)
 - 2) RT-PCR
 - 3) Western Blotting
 - 4) Stress models in animals
 - 5) Acupuncture treatment
 - 6) Statistica (moderate)
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University committees:

- **Member of Research Committee** of International branch of Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2011- present.

- **Member of Educational Committee** of in Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2012- present.
- **Director of Msc. Students in physiology department** in Shahid Beheshti University of Medical Sciences, Tehran, Iran, since 2010 till present.
- **Member of Pain Educational Committee** in Shahid Beheshti University of Medical Sciences, Tehran, Iran, Sep 2009- present.
- **Member of directory board of Iranian Cell Death Society**, Neuroscience research Center, Tehran, Iran, since 2008 till present.
- **Member of Research Committee of physiology** department in Shahid Beheshti University of Medical Sciences, Tehran, Iran, since 2008 till present.
- **Executive manager of Journal of medicinal plants**, since 2007 till 2011.
- **Member of directory board of Iranian Pain Society Society**, , Tehran, Iran, since 2013 till present.

Membership in Society:

- **Member of Society of Neuroscience (SFN)**, since 2010 till 2012.
- **Member and of International Association for the Study of Pain (IASP)**, since 2001 till Present also, **Executive secretary of Iran Chapter of IASP** from 2012 till present.
- **Member of Iranian Cell death society**, since 2007 till present

- **Member of Iranian Physiology and Pharmacology society**, since 2010 till present.
 - **Member of International Brain Research Organization**, since 2010 till present
 - **Member of Scientific Association of New Architectural Space for Iran**,
Since 2012 till now
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Article Publications in peer reviewed journals:

- 1) Hamed Malek , Mohammad Mehdi Ebadzadeh, Reza Safabakhsh ,Alireza Razavi, Jalal Zaringhalam. Dynamics of the HPA axis and inflammatory cytokines: Insights from mathematical modeling. **Computer in biology and medicine**; 2015, 67: 1–12.
- 2) Janet Moradi, Fatemeh Abbasipour*, Jalal Zaringhalam, Bita Maleki, Narges Ziaee, Amin Khodadoustan and Mahyar Janahmadi. Anethole, a Medicinal Plant Compound, Decreases the Production of Pro-Inflammatory TNF- α and IL-1 β in a Rat Model of LPS-Induced Periodontitis. **IJPR**; (2014), 13 (4): 1319-1325.
- 3) Z. Akhtari , J. Zaringhalam *, A. Eidi , A. haeriRuhani , H. Manaheji , E. Tekieh. Relation cellular- molecular between serum IL10 levels and

- hyperalgesia variation in adjuvant- induced arthritis. **ISMJ**; 2015; 17(6): 1176-1187.
- 4) M. Sadeghi, H. Manaheji, A. Haghparast , J. Zaringhalam , S. Nazemi , Z. Bahari. Study of the effect of GABAA receptore and glial inhibition on behavioral responses in CCI model of neuropathic pain in rat. **ISMJ**; 2015; 17(6): 1120-1134.
 - 5) Ali mohammad khani zade, Jalal zarin ghalam*, Ali sonboli, Mahdi ayyari, Homa Manaheji. Effects of hydroalcoholic and chloroformic extracts of *Salvia Candidissima* on hyperalgesia and edema during adjuvantinduced Arthritis. **Koomesh**; Winter 2014, 16 (2): 239-245.
 - 6) Marzieh Molaei , Mohammad-Hossein Sanati , Jalal Zaringhalam , Abbas Haghparast. Microinjection of WIN55,212-2 as a Cannabinoid Agonist into the Basolateral Amygdala Induces Sensitization to Morphine in Rats. **Basic and Clinical Neuroscience**; Autumn 2014 . Volume 5. Number 4, 295-302.
 - 7) Akram Eid, Pejman Mortazavi, Jalal Zarringhalam Moghadam, and Parisa Mousavi Mardani. Hepatoprotective effects of *Portulaca oleracea* extract against CCl₄-induced damage in rats. **Pharm Biol**, 2014; DOI: 10.3109/13880209.2014.957783.
 - 8) Jalal Zaringhalam & Asef Hormozi & Elaheh Tekieh & Jafar Razavi & Ramin Khanmohammad & Sahar Golabi. Serum IL-10 involved in morphine tolerance development during adjuvant-induced arthritis. **J Physiol Biochem**. 2014; 70:497–507.
 - 9) Elaheh Tekieh , Jalal Zaringhalam* and Zeinab Akhtari. Relationship between Cytokines and Spinal mu Opioid Receptor Expression during Adjuvant-induced Arthritis in Rats. **ARRB**. 2014;4(11): 1854-1866.
 - 10) Jalal Zaringhalam*, Zeinab Akhtari, Akram Eidi , Ali Haeri& Elaheh Tekieh. Relationship between serum IL10 level and p38MAPK enzyme activity on behavioral and cellular aspects of variation of hyperalgesia

- during different stages of arthritis in rats. **Inflammopharmacol.** (2014) 22:37–44.
- 11) Jalal Zaringhalam*, Elaheh Tekieh, Homa Manaheji & Zeinab Akhtari. Cellular events during arthritis-induced hyperalgesia are mediated by Interleukin-6 and p38 MAPK and their effects on the expression of spinal mu-opioid receptors. **Rheumatol Int.** (2013) 33:2291–2299.
- 12) Akram Eidi, Jalal Zaringhalam Moghadam, Pejman Mortazavi, Shamsali Rezazadeh and Somayeh Olamafar. Hepatoprotective effects of Juglans regia extract against CCl4-induced oxidative damage in rats. **Pharm Biol**, 2013; 51(5): 558–565.
- 13) Maryam Zaringhalam, Jalal Zaringhalam*, Mehdi Shadnoush, Firouzeh Safaeyan and Elaheh Tekieh. Inhibitory Effect of Black and Red Pepper and Thyme Extracts and Essential Oils on Enterohemorrhagic Escherichia coli and DNase Activity of Staphylococcus aureus. **IJPR.** (2013), 12 (3): 363-369.
- 14) Mahdi Shadnoush, Rahebeh Shaker Hosseini*, Yadollah Mehrabi, Ali Delpisheh, Elham Alipoor, Zeinab Faghfoori, Nakisa Mohammadpour and Jalal Zaringhalam Moghadam. Probiotic yogurt Affects Pro- and Anti-inflammatory Factors in Patients with Inflammatory Bowel Disease. **IJPR.** (2013), 12 (4): 929-936.
- 15) Zeinab Akhtari, Jalal Zaringhalam*, Akram Eidi, Ali haeri Ruhani, Elaheh Tekieh. Role of increasing serum tumor necrosis factor on hyperalgesia and edema variation during different stages of adjuvant-induced arthritis in male rats. **Koomesh.** Spring 2013, 14 (3): 357 – 366.
- 16) Zeinab Akhtari, Jalal Zaringhalam, Akram Eidi, Homa Manaheji, Elaheh Tekieh. Bidirectional effects of serum TNF alpha level and spinal p38mapk phosphorylation on hyperalgesia variation during CFA-induced arthritis. **EXCLI Journal.** 2012;11:373-385.

- 17) Samad Nazemi ,Homa Manaheji , Jalal Zaringhalam ,Mehdi Sadeghi Abbas Haghparast. Post-injury repeated administrations of minocycline improve the antinociceptive effect of morphine in chronic constriction injury model of neuropathic pain in rat. **Pharmacology Biochemistry and Behavior**. 2012.
- 18) Elaheh Tekieh, Jalal Zaringhalam*, Homa manaheji, Elnaz Zeinalzadeh. Effects of serum interleukin-6 level on hyperalgesia and spinal mu opioid receptor expression during complete Freund's adjuvant- induced chronic inflammation. **Feyz**, 2012;16(3):196-204.
- 19) E. Tekieh ,S. Moghadam kia, A. Eidi, R. Taghizad farid, R. Ferdosi, J. Zaringhalam* . Investigation on the anti- inflammatory and analgesic effects of *Olea europaea* L. metanolic extract on male NMRI mouse. **Iranian South Med J**. 2012, 1: 220-9.
- 20) Akram Eidi, Sara Moghadam-kia, Jalal Zarringhalam Moghadam, Maryam Eidi, and Shamsali Rezazadeh. Antinociceptive and anti-inflammatory effects of olive oil (*Olea europaea* L.) in mice. **Pharmaceutical Biology**, 2011, 1–6.
- 21) Eidi A, Moghadam-Kia S, Zarringhalam Moghadam J, Rezazadeh S , Eidi M. Antinociceptive effect of olive oil (*Olea europaea* L.) on mice. **AMUJ**. 2011; 14(57): 52-59 .
- 22) Eidi A., Zarin Ghalam J., Rezazade Sh. A, Adeli R. Hepatoprotective effect of *Berberis vulgaris* L. extract on CCl₄-induced toxicity in rats. **Kowsar Medical Journal** Vol. 16, No. 3, Fall 2011, 169-173.
- 23) Eidi Akram , Somayeh Olamafar, Jalal Zaringhalam, Shamsali Rezazadeh and Maryam Eidi. Protective effect of Walnut (*Juglans regia* L.) extract against CCl₄ – induced hepatotoxicity in rats, **Journal of the Faculty of Medicine**, 2011, 35(2): 87-92.
- 24) E. Tekieh, J. Zaringhalam*, H. Manaheji, N. Maghsoudi, B. Alani, H. Zardooz. “Increased serum il-6 level time-dependently regulates hyperalgesia and spinal mu opioid receptor expression during CFA-induced arthritis”. **EXCLI Journal**, 2011 10: 23-33.

- 25) H. Manaheji , S. Jafari , J. Zaringhalam, Sh. Rezazadeh, R.Taghizad farid. “ Analgesic effects of methanolic extracts of leaf or root of *Moringa oleifera* on Complete Freund Adjuvant- induced arthritis in rat”. **JCIM**, 2010, 9(2); 216-22.
- 26) Jalal Zaringhalam*, Akhtar Akbari, Elaheh Tekieh, Homa Manaheji, Shamsali Rezazadeh², “*Achillea santolina* reduce serum interleukine-6 level and hyperalgesia during complete Freund’s adjuvant-induced inflammation in male Wistar rats. **JCIM**, 2010,8(12); 1180-89.
- 27) Elaheh Tekieh ^a, Akhtar Akbari ^a, Homa Manaheji ^a, Shamsali Rezazadeh ^b. Jalal Zaringhalam* “Comparison of the anti-hyperalgesic and anti-inflammatory effects of *Achillea santolina* and *Stachys athorecalyx* extracts on CFA –induced short-term inflammation in male Wistar rats”. **Koomesh**, 2010.
- 28) J. Zaringhalam*, J. Shams, Sh. Rezazadeh, H. Manaheji, S. Akhondzadeh and F. Asefifar . “Role of the methanolic extracts of *Boswellia serrata* and *Lavandula angustifolia* on apomorphine induced ejaculation in male Wistar rats”. **Journal of Medicinal Plants Research**, 2010, 4(11), 1073-80.
- 29) Zaringhalam J*, Manaheji H, Rastqar A, Zaringhalam M. “Reduction of chronic lowback pain: A randomised controlled trial on acupuncture and baclofen”. **Chinese Medicine**, 2010,5: 15.
- 30) Homeira Zardooz, Fatemeh Rostamkhani, Jalal Zaringhalam, Farzaneh Faraji Shahrivar. Plasma corticosterone, insulin and glucose changes induced by brief exposure to isoflurane, diethyl ether and CO₂ in male rats. **Physiological Research**, 2010; 59: 973-978.
- 31) Elaheh Tekieh, Shamsali Rezazadeh, Homa Manaheji, Akhtar Akbari, Jalal Zaringhalam*. “The effects of pretreatment with *Achillea santolina* and *Stachys Athorecalyx* extracts on CFA-induced acute inflammation in male rats”. **Journal of Medicinal Plants**, 2010; 9(34), 165- 76.
- 32) Hasanzadeh E, Rezazadeh Sh, Shamsa SF, Dolatabadi R, Zaringhalam J. Review on phytochemical and therapeutic properties of Fenugreek

- (*Trigonella foenum-graceum*). **Journal of Medicinal Plants**, 2010; 9(34), 1-18.
- 33) Mirzaie V, Manaheji H, Maghsoudi N, Zaringhalam J. “Comparison of changes in mRNA expression of spinal glutamate transporters following induction of two neuropathic pain models”. *Spinal Cord*, 2010 March.
- 34) Tavakkolifar B, Massoudi M , Zarringhalam J. Review on Pharmacological Activities of Gum olibanum. **Journal of Medicinal Plants**, 2009; 8(32), 1-13.
- 35) Haghparast A, Zarringhalam J, Khatibi A, Dianati E, Shams J. “The fruit essential oil of *Cuminum cyminum* L. reduced the acquisition but not expression of ineffective dose of morphine-induced conditioned place preference in morphine-sensitized mice”. **Journal of Medicinal Plants**, 2009; 8(31).
- 36) Rezazadeh Sh. Zarringhalam J*. Manaheji H. Kebriayezadeh A. “Anti-inflammatory and anti-hyperalgesic activities of *Stachys athorecalyx* extracts on CFA-induced inflammation”. **Journal of Medicinal Plants Research**, 2009; 3(5), 368-76.
- 37) Zarringhalam J. Manaheji H. Maghsoudi N. Farokhi B. Mirzaee V. “Spinal mu-opioid receptor expression and hyperalgesia with dexamethasone in chronic adjuvant induced arthritis in rats.” **Clinical and Experimental Journal of Physiology and Pharmacology** 2008; 35(11), 1309-15.
- 38) Mirzaee V. Manaheji H. Keramati K. Maghsoudi N. Zarringhalam J. “Comparing the neuropathic pain behavioral responses between CCI and SNI neuropathy models in male rats”. **Journal of Physiology and Pharmacology** 2008; 11(4), 276-81.
- 39) Zarringhalam J. Manaheji H. Maghsoudi N. Farokhi B. Mirzaee V. “Investigation the relationship between hypothalamus-pituitary-adrenal (HPA) axis activity and hyperalgesia variation during chronic inflammation due to rheumatoid arthritis (RA) in male rats”. **Journal of Physiology and Pharmacology** 2007; 11(2), 130-36.

- 40) Zaringhalam M. Sttari M . Zaringhalam J. Rezazadeh Sh. “Effect of Red pepper, Black pepper and Thyme (*Zataria Multiflora* Boiss) alcoholic extracts on growth and DNase activity of *Staphylococcus aureus*”. **Journal of Medicinal Plants** 2008; 24, 17-22.
- 41) Fallah Huseini H. Zaree A. Heshmat R. Rezaii Sharifabadi R. Naderi G.A. Zaringhalam J. Sheikh Samani A.H. “The effect of *Citrullus colocynthis* (L) Schard. Fruit on oxidative stress parameters in type II diabetic patients”. **Journal of Medicinal Plants** 2006; 5 (2).

Book Publications:

- 1) Zaringhalam J. Rasteqar A. “**Blood Physiology**”. 2nd ed. Sina Teb Publication, Tehran, Iran 2009.
- 2) Zaringhalam J, Ghasemi M, Sadeghi S. “**Cell Physiology**”. LANG Publication, Tehran, Iran 2011 (Translation).
- 3) Zaringhalam J, Rastqar A, Ghasemi K. ”**Human Physiology: An integrated approach. (Silverthorne)**. Sina Teb Publication, Tehran, Iran 2012 (Translation).
- 4) Zaringhalam J, Sadegh E. ”**Physiology tests**”. Sina Teb Publication, Tehran, Iran 2013 (Translation).
- 5) Zaringhalam J, Akhtari Z, Golabi S. ” **Pain Induction Ethics and Methods In Labratory Animals**” Sina Teb Publication, Tehran, Iran, 2015.

Other publications:

Invited presentations:

- 1) J. Zaringhalam. Inflammatory pain behavioral models. 2nd and 3rd IBRO international school. Tehran, Iran 2012 and 2013 (English Oral Presentation).
- 2) J. Zaringhalam. Role of serum IL-10 in morphine tolerance during chronic adjuvant-induced arthritis. 21nd Pharmacology and Physiology Congress. Tabriz, Iran, 2013; (Oral Presentation).
- 3) J. Zaringhalam. Variation of Opioid effective dose during chronic inflammation. 2nd International Basic and Clinical Neuroscience Congress. Tehran, Iran, 2013; (Oral Presentation).
- 4) J. Zaringhalam^{*}, E. Tekieh, H. Manaheji. Cytokine related phosphorylation of spinal p38 mapk enzyme role on mu opioid receptor expression during adjuvant induced arthritis. 11th Iranian pain society congress. Tehran, Iran 2012 (Poster presentation).
- 5) J. Zaringhalam, E. Tekieh, H. Manaheji, B. Alani. "Increased serum IL-6 level time-dependently regulates hyperalgesia and spinal mu opioid receptor expression during CFA-induced arthritis. 8TH IBRO world congress of neuroscience. Italy, July 2011 (Poster presentation).
- 6) Jalal Zaringhalam moghadam¹, Elahe Tekieh², Homa Manaheji³, Behrang Alani⁴

“Increased level of serum IL-6 during chronic CFA-induced inflammation modulates Hyperalgesia ” 20th Iranian Physiology and Pharmacology Congress, Hamedan, Iran 2011; (Oral presentation).

- 7) Zaringhalam J. Chronic pain mechanism. First Chronic Pain Congress. Tehran, Iran 2011 (Oral Presentation).
- 8) Zaringhalam J*, Hormozi A, Manaheji H, Tekieh E. “Morphine anti-hyperalgesic effective dose varies during different stages of CFA-induced chronic inflammation in male wistar rats”. 1st IBRO middle east congress, AL Ain, UAE. 2011 (Poster presentation).
- 9) Rezazadeh Sh. Zaringhalam J*. Manaheji H. Kebriayezadeh A. “Anti-inflammatory and anti-hyperalgesic activities of *Stachys athorecalyx* extracts on CFA-induced inflammation”. 13th International Pain Congress in Montreal, Canada. 2010(Poster presentation).
- 10) Zaringhalam J. Manaheji H. Maghsoodi N. “Spinal mu-opioid receptor expression and hyperalgesia with dexamethasone in chronic adjuvant induced arthritis in rats” 19th Iranian Physiology and Pharmacology Congress, Tehran, Iran 2009; Nov (Poster presentation).

- 11) Zaringhalam J. Manaheji H. N. Farokhi, B. “Hyperalgesia variations during different stages of CFA-induced arthritis”. 8th International Iranian Pain Congress , 2008 (Oral presentation).
- 12) Zaringhalam J. Manaheji H. Maghsoodi N. Mazaheri EL. “Variation of spinal "mu" opioid receptor and hyperalgesia during adjuvant induced arthritis in male rats”. 12th International Pain Congress, Glasgow, Scotland 2008; August (Poster presentation).
- 13) Zaringhalam J. Noroozi A. Rezazadeh SH. “Investigation the hypoglycemic effect of the *moringa oleifera* leaf extract on the gestational diabetes in Iranian pregnant women”. 4th International Gestational Diabetes Congress, Istanbul, Turkey 2007(Poster presentation).
- 14) Zaringhalam J. Manaheji H. Maghsoodi, N. Farokhi, B. “Investigation the relationship between hypothalamus-pituitary-adrenal (HPA) axis activity and hyperalgesia variation during chronic inflammation due to rheumatoid arthritis (RA) in male rats”. 7th International Iranian Pain Congress , 2007 (Oral presentation).
- 15) Zaringhalam J, Manaheji H, Rastqar A, Zaringhalam M. “Reduction of chronic lowback pain: A randomised controlled trial on acupuncture and baclofen”. 4th International Iranian Pain Congress, 2004 (Poster presentation).

16) Zaringhalam J, Falah hoseini H. "Comparison the effect of hirudo medicinalis and piroxicam capsule on reduction of inflammation and pain in the primary stages of rheumatoid arthritis of the knee." 2nd International Traditional Medical Congress in Shahid Beheshti University of Medical Sciences, 2004 (Poster presentation).

17) Zaringhalam J. Sinafar A. "Apotheosis, proposed etiology and treatment ways". 6th International Medical Congress, Tabriz, Iran. 1998; May (Oral presentation).

Other seminars and congress:

- 18th, 19th, 20 and 21st Pharmacology and physiology international congress. Iranian Physiology and Pharmacology Society. 2002 till 2013
- Acute Pain Management congress, Tehran, Iran. 2011
- 1st International Patient Rights, Kish, Iran, 2011.
- 10th international congress of immunology and allergy of Iran, Tehran, Iran 2010.
- International Cell Death Symposium: Cell Death In Infectious Diseases and Cancer, Johannesburg, South Africa, 2009.
- Third International Symposium on Molecular Technology, Tehran, Iran 2009.
- "Scientific writing and thinking" Research Center for Gastrology and Liver Diseases. Tehran, Iran, 2009.
- "Basic of flow cytometry and its applications" The Research Center for Gastrology and Liver Diseases. Tehran, Iran, 2009.

- “Transgenic mice and its relation to disease”. Shahid Beheshti University of Medical Sciences, Tehran, Iran 2009.
 - “Methods in detection of cell death”. Shahid Beheshti University of Medical Sciences, Tehran, Iran 2009.
 - 10th, 8th, 7th, 6th and 4th International Iranian Pain Congresses, Iranian Pain Society 2010, 2008, 2007, 2006 and 2004
 - 1st and 2nd International Symposium on Molecular Technology, Tehran, Iran 2006 and 2007.
 - 2nd federation of Asian – Oceania Neuroscience Societies (FAONS) symposium, Iran, Tehran 2004.
 - Drug Addiction Rehabilitation Conference, Tabriz medical university 2002.
-

Peer reviewers for medical journals:

- Reviewer of Medicinal Plants Journal, Academic Center for Education, Culture and Research (ACECR), Tehran, Iran, Since 2008 till 2011.
 - Reviewer of physiology and pharmacology Journal, Tehran, Iran, since 2009 till present.
 - Associated editor of Maxwell science medical journal, Birmingham, UK, since 2009 till present.
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University teaching roles:

- Physiology of Pain for Pain fellowship students
- Physiology of Respiratory system for PhD and Msc. students

- Physiology of Blood, Respiratory system, Nervous system and Cell function for medical and nursing under graduate students
 - Pain Elective course for medical students
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Workshops held:

- Executive manager 2nd and 3rd IBRO international school. Tehran, Iran 2012-2013.
 - Executive manager of 11th Iranian pain society, 2012 Tehran, Iran.
 - Two weeks workshop held each year for pain fellowship students, since 2009 till present (Every year).
 - Executive manager of 3rd international symposium on molecular technology, 2009 May, Tehran, Iran.
 - Scientific manager and speaker of two days workshop about herbal medicines roles in human liver and gastro-intestinal disorders, 2009 Tehran, Iran.
 - Scientific manager and speaker of two days workshop about herbal medicines in human cardiac and respiratory system disorders, 2009 Tehran, Iran.
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Language skills:

Turkish (Azary) (mother tongue)

Persian (national language)

English (writing and speaking good)

Interests and activities:

- Mountain climbing
- Swimming
- Volleyball