CURRICULUM VITAE
(RESUME)

Personal information:

First name: Mohammad
Last name: Zarei
Date of birth: February 17, 1968
Place of birth: Hamadan**,** Iran
Nationality: Iranian
Marital status: Married

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Home: NO 79, Hedayat Intersection, Sadaf Street, 65147-43933 postal code, Takhti street, Hamadan, Iran.
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Qualifications:

High school diploma: The Natural Sciences, Hamadan, Iran, 1987.
BSc degree: The Biology, Razi University, Kermanshah, Iran, 1992.
MSc degree: The Medical Physiology, Tehran, Iran, 1996.
MSc thesis title: The Involvement of Dopamine Receptors on the Morphine-induced Conditioned Place Preference (CPP) in Mice.
PhD degree: The Medical Physiology, Isfahan, Iran, 2010
PhD thesis title: Effect of Hypertension and Its Reverse on Endothelial Function and Coronary Angiogenesis.

Employment date: The beginning my work as academic member at Kurdistan university of medical sciences, in July 1996.
From 1996 until 2001; as the academic member and staff at Physiology department, faculty of medicine, Kurdistan university of medical sciences.
From 2001 until 2005; as the academic member, the staff and the researcher at department of Physiology, faculty of medicine, Hamadan university of medical sciences.
From 2005 until 2010; as PhD student at Isfahan university of medical sciences.

From 2010 until now; as Assistant Professor at Department of Physiology, Faculty of Medicine, Hamadan University of Medical Sciences.

Teaching:

I usually teach 15-25 courses for graduating modules for variant MSc, BSc and MD degrees. It includes general and advance Physiology.

Memberships:

1. Iranian Physiology & Pharmacology Society with membership ID 873
2. Japan Neuroscience Society with membership ID 1206250388

Presentation paper/s in seminars, congresses and meeting; (lecture/poster/participate):

1. 12th Iranian congress of Physiology & Pharmacology, Tehran- Iran, November 6-9, 1995 (participate).

2. 13th Iranian congress of Physiology & Pharmacology, Isfahan- Iran, August 26-29, 1997 (oral).

3. 16th Iranian congress of Physiology & Pharmacology, Tehran- Iran, May 9-13, 2003 (poster).

4. The First congress of early detection of diseases, Hamadan-Iran, May 13-15, 2003 (poster).

5. The Third congress of Iranian society of cardiac surgeons, Tehran-Iran, September 23-26, 2003 (oral).

6. 2nd Iranian congress of health strategies to deal with drug dependency disorder, Zahedan- Iran, October 20-22, 2003 (oral).

7. 2nd Congress on prevention of non-communicable diseases, Tehran-Iran, March 7-9, 2004 (poster).

8. 6th National congress on cardiovascular update, Mashhad – Iran, June 11-14, 2004 (poster).

9. 2nd Symposium of federation of Asian – Oceanic neuroscience societies (FAONS) and 3rd Iranian neuroscience congress, Tehran – Iran, May 16-19, 2004 (poster).

10. 12th World congress of Psychophysiology, THE OLYMPICS OF THE BRAIN, Thessaloniki-Porto Carras-Chalkidiki-Greece, September 18-23, 2004 (poster).

11. 17th Iranian congress of Physiology & Pharmacology, Kerman-Iran, October 1-4, 2005 (oral).

12. 18th Iranian congress of Physiology & Pharmacology**,** Mashhad – Iran, August 26-30, 2007 (poster).

13. 20th Iranian congress of Physiology & Pharmacology**,** Hamadan – Iran, October 10-14, 2011 (poster).

14. 9th International congress on coronary artery disease from prevention to intervention, Venice – Italy, October 23-26, 2011 (poster).

15. The 35th Annual Meeting of the Japan Neuroscience Society, Neruscience 2012, Nagoya- Japan, September 18-21, 2012 (poster).

16. The 36th Annual Meeting of the Japan Neuroscience Society, Neruscience 2013, Kyoto- Japan, June 20-23, 2013 (poster).

17. 21th Iranian congress of Physiology & Pharmacology**,** Tabriz – Iran, August 23-27, 2013 (poster).

18. 2nd Neuroscience Congress, Tehran – Iran, December 18-20, 2013 (poster).

19. Pharmacology & Physiology International Scientific Congress, kuala lumpur, Malaysia, August 22-24, 2014 (poster).

20. 1st International & the 13th Iranian Nutrition Congress, Tehran – Iran, November 30 – December 3, 2014 (poster).

21. 3rd International Congress of Biology and Ecology, Tehran- Iran, August 22,

2015 (poster).

22. 1st International and 22nd Iranian Congress of Physiology and Pharmacology, Kashan- Iran, September 7-11, 2015, (poster).

23. 8th FAOPS Congress, Bangkok- Thailand, Novebmer 22-25, 2015, (poster).

Papers:

1 . Zarei M, Asgari A, Zarrindast MR. The study of Quinpirole on the aspect of psychotic addiction to morphine in mice. Scientific Journal of Kurdistan University of medical sciences. Autumn 1997; 2(5): 3-6 (Article in Persian).

2. Zarei M, Asgari A, Zarrindast MR, Khoshbaten A, Sahraei H. Role of dopamine receptors on morphine-induced conditioned place preference in male mouse. Kowsar Medical Journal. Spring 1998; 3(10): 7-12 (Article in Persian).

3. Rahmani MR, **Zarei M**.Thy effect of Holly fasting month of Ramadan on the delayed type hypersensitivity response to purified protein derivative. Scientific Journal of Hamadan University of medical sciences. Spring 2003; 10(1): 52-56 (Article in Persian).

4. Rahmani MR, **Zarei M**. Effect of socio-economic status on level of the Atopic diseases in 16-25 year old men in Sanandaj city. Journal of Babol University of medical sciences. Spring 2004; 6 (2): 30-34 (Article in Persian).

5. Zarei M, Heshmatian B, Sarihi A, Rahmani MR. The study of the reversible inactivation effect of the central Amygdaloid nucleus in male rats with renal hypertension. Scientific Journal of Kurdistan University of medical sciences. Winter 2006; 4(10): 6-13 (Article in Persian).

6. Khazaei M, **Zarei M**, Sharifi MR, Pourshanazari AA. The effect of maintenance and reversal of DOCA-Salt hypertension on extravasation of macromolecules and serum nitric oxide concentration in male rats. Phathophysiology. 2011; 18(3): 201-206 (Article in English).

7. Zarei M, Khazaei M, Sharifi MR, Pourshanazari AA. Coronary angiogenesis during experimental hypertension: is it reversible? Journal of Research in Medical Sciences. 2011; 16(3): 269-275 (Article in English).

8. Khazaei M, **Zarei M**, Sharifi MR, Pourshanazari AA. Effect of hypertension and its reverse on serum nitric oxide concentration and vascular permeability in two-

kidney one-clip hypertensive rats. General Physiology and Biophysics. 2011; 30(2):115-120 (Article in English).

9. Khong SML, Andrews KL, Huynh NN, Venardos K, Aprico A, Michell DL, **Zarei M** and et al. Arginase II inhibition prevents nitrate tolerance. British Journal of Pharmacology.2012;166(7):2015-2023,DOI:10.1111/j.1476-5381.2012.01876.x (Article in English).

10. Khazaei M, **Zarei M**, Esmaeili N.Serum asymmetric dimethylarginine concentration in two models of experimentally induced hypertension. ISRN Hypertension (Hindawi Publishing Corporation), 2013; DOI:10.5402/2013/5/6528 (Article in English).

11. Zarei M, Khazaei M, Zarei MM. Evaluation of the coronary angiogenesis during DOCA-salt induced hypertension and its reversal to normal in rat. Pak J Med Sci. 2013; 29(2). (Article in English).

12. Karimi SA, Salehi I, Komaki A, Sarihi A, **Zarei M**, Shahidi S. Effect of high-fat diet and antioxidants on hippocampal long-term potentiation in rats: An in vivo study. Brain Res. 2013 Nov 20;1539:1-6. doi: 10.1016/j.brainres.2013.09.029. (Article in English).

13. Zarei M, Mohammadi S, Asgari Nematian M. Evaluation of the antinociceptive effect of methanolic extract of Passiflora caerulea.L in adult male rat. Armaghane-danesh, Yasuj University of Medical Sciences Journal (YUMSJ). April 2013; 19(1): 56-66. (Article in Persian).

14. Mahmoodi M, Mohammadi S, **Zarei M**. Antinociceptive Effect of Hydroalcoholic Leaf Extract of Tribulus Terrestris Lin Male Rat. J Babol Univ Med Sci. November 2013; 15(6): 36-43. (Article in Persian).

15. Shokri Z, Ahmadpanah M, Torabian S, **Zarei M**. Comparison of general health scale in opioid dependent males and females treatment seekers in Hamadan. Scientific Journal of Hamadan Nursing & Midwifery Faculty. Autumn 2013; 21(3): 51- 58. (Article in Persian).

16. Roohi N, Sarihi A, Shahidi S, **Zarei M**, Haghparast A. Microinjection of the mGluR5 antagonist MTEP into the nucleus accumbens attenuates the acquisition but not expression of morphine-induced conditioned place preference in rats. Pharmacol Biochem Behav. November 2014; 126:109-15. doi: 10.1016/j.pbb.2014.09.020. (Article in English).

17. Komaki A, Karimi SA, Salehi I, Sarihi A, Shahidi S, **Zarei M**. The treatment combination of vitamins E and C and astaxanthin prevents high-fat diet induced memory deficits in rats. Pharmacol Biochem Behav. 14 Feb 2015;131C:98-103. doi: 10.1016/j.pbb.2015.02.008. (Article in English).

18. Zarei M, Mohammadi S, Abolhassani N, Asgari Nematian M. The antinociceptive effects of hydroalcoholic extract of Bryonia dioica in male rats. Avicenna J Neuro Psych Physio. February 2015; 2(1): e25761. (Article in English).

19. Mohammadi S, **Zarei M**, Mahmoodi M, Zarei MM, Asgari Nematian M. In vivo antinociceptive effects of Persian shallot (Allium hirtifolium) in male rat. Avicenna J Neuro Psych Physio. February 2015; 2(1): e27149. (Article in English).

20. Vahidinia AA, Heshmatian B, Salehi I, **Zarei M.** Garlic Powder Effect on Plasma Renin Activity, and Cardiovascular Effects of Intravenous Angiotensin I and Angiotensin II in Normotensive and Hypertensive Male Rats. Avicenna J Med Biochem. June 2015; 3(2): e28581. (Article in English).

21. Mohammadi S, **Zarei M,** Zarei MM, Salehi I. Effect of Hydroalcoholic Leaves Extract of Rhus Coriaria on Pain in Male Rats. Anesthesiology and Pain Medicine. February 2016; 6(1): e32128, DOI: 10.5812/aapm.32128 (Article in English).

22. Golshani Y, **Zarei M**, Mohammadi S. Acute/ Chronic PainRelief: Is Althaea officinalis Essential Oil Effective? Avicenna J Neuro Psych Physio. November 2015; 6(1): e36586, DOI: 10.17795/ajnpp-36586 (Article in English).

23. Fallahzadeh AR, **Zarei M**, Mohammadi S. Preliminary Phytochemical Screening, Analgesic and Anti-inflammatory effect of Eryngium pyramidale Boiss. & Husson Essential Oil in Male Rat. Entomology and Applied Science Letters. October 2016, 3, 5:140-147 (Article in English).

Workshops:

1. The workshop on "Research methods in health systems". Kurdistan university of medical sciences, Kurdistan, Iran, 30 June - 5 July 1997.

2. The national conference for cultural & educational aims of universities, Khazarabad of Sari, Sari, Iran, 26 June- 1 July 1999.

3. The workshop on teaching methods of clinical courses, Kurdistan university of medical sciences, Kurdistan, Iran, 20-22 July 1999.

4. The workshop on "How to standard the exams" Kurdistan university of medical sciences, Kurdistan, Iran, 5-7 July 2000.

5. The workshop on "How to prepare the scientific articles" Kurdistan university of medical sciences, Kurdistan, Iran, 11-12 July 2001.

6. The workshop on "Learn planning, teaching methods and evaluation" Hamadan university of medical sciences, Hamadan, Iran, 17-19 February 2003.

7. The workshop on "Power point" Hamadan University of medical sciences, Hamadan, Iran, 5 February 2003.

8. The workshop on "Internet and Ovid informational site" Hamadan University of medical sciences, Hamadan, Iran, 19 December 2003.

9. The workshop on "The combination in medical education program" Hamadan University of medical sciences, Hamadan, Iran, 26 March 2011.

10. The workshop on "The combination in medical education program" Hamadan University of medical sciences, Hamadan, Iran, 12 July 2012.

11. The workshop on “Stereotactic surgical techniques in laboratory animals, Western blotting basic techniques of molecular and cell culture techniques” 3rd international congress of biology and ecology, Shahid Beheshti University, Tehran, Iran, 29 August 2015.