

CURRICULUM VITA

Name:	Seyed Mostafa Shid Moosavi
Date of birth:	3 September 1959
Place of birth:	Tehran, Iran
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Educational Records:

- B.Sc. (1985)** Department of Biology, Shiraz University, Iran.
- M.Sc. (1989)** Department of Physiology, Shiraz University of Medical Sciences, Iran.
- Ph.D. (1998)** Department of Physiology, University of Birmingham, U.K.

Academic Records:

- 1990 - 1994** **Instructor of Physiology;** Department of Physiology, Jahrom Medical School, Shiraz University of Medical Sciences, Iran.
- 1999 - 2005** **Assistant Professor of Physiology;** Department of Physiology, The Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.
- 2005 - 2011** **Associate Professor of Physiology;** Department of Physiology, The Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.
- 2011 - present** **Professor of Physiology;** Department of Physiology, The Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.

Teaching Experiences:

- 1- Renal & body fluid physiology:** To Ph.D. students in Physiology; M.Sc. students in Physiology, Technology of Circulation, Nutrition, Biochemistry, Anatomy and Nursing; Residents of Faciomaxillary Surgery; and Medical, Pharmacy and Dentistry students.
- 2- Molecular cell biology:** To Ph.D. students in Physiology, Tissue Engineering and Cell Therapy; as well as M.Sc. students in Physiology, Parasitology, Virology and Anatomy.
- 3- Cell physiology:** To Ph.D. students in Physiology and Pharmacology; and M.Sc. students in Physiology and Biochemistry.
- 4- Cardiovascular physiology:** To M.Sc. students in Biochemistry, Anatomy, Nutrition and Nursing; as well as Medical, Pharmacy and Dentistry students.

Membership:

Board of Physiology, Ministry of Health and Medical Education, Iran
Iranian Society of Physiology and Pharmacology
Shiraz Nephro-Urology Research Centre
Section Editor of Iranian Journal of Medical Sciences
Editorial Board of Iranian Journal of Veterinary Research

Book Translation:

Textbook of Medical Physiology by Guyton A.C. & Hall J.E., 11th edition (2006): Unit V, The Body Fluids and Kidneys. (Persian version, Arjomand Publisher, 1st edition, 1386)

Research Interests:

- 1- Obesity-induced hypertension
- 2- Ischemia/reperfusion-induced acute kidney injury
- 3- Ischemia/reperfusion-induced brain injury
- 4- Ischemia/reperfusion-induced distant organ injury
- 5- Acute and chronic ureteral obstructive nephropathy
- 6- Antidiuretic effect of thiazides in nephrogenic diabetes insipidus

Awards:

- 1996- Acquired overseas research scholarship (ORS) award of the U.K. during Ph.D. study.
- 2007- Elected as the best lecturer of the Shiraz Medical School (Basic Sciences) by medical students of year 2005.
- 2009- Elected as one of the best lecturers of the Shiraz Medical School (Basic Sciences) by medical students of year 2007.
- 2012- Acquired an encouraging promotion from the Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.
- 2014- Acquired an encouraging promotion from the Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.
- 2016- Acquired an encouraging promotion from the Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.
- 2017- Elected as the best lecturer of the Shiraz Medical School (Basic Sciences) by international medical students.
- 2017- Acquired an encouraging promotion from the Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.
- 2017- Introduced as the second ranked researcher of the Shiraz Medical School for the year 2017 by Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.
- 2018- Introduced as one of the best lecturers of the Shiraz Medical School for the year 2017 by the Vice-Chancellery for Educational affairs of Shiraz University of Medical Sciences.
- 2018- Acquired an encouraging promotion from the Vice-Chancellery for Research affairs of Shiraz University of Medical Sciences.

Thesis Supervision:

Enrolled Theses

- 1- **Advisor of Mr M. Ghobadi, Ph.D. Candidate in Physiology (Oct. 2020 – Supervisor: Dr M. Haghani):** Study the effect of epidermal neural crest stem cell conditioned medium injection on learning & memory and synaptic plasticity impairment in a rat model of vascular dementia by bilateral occlusion of the common carotid arteries (2VO).
- 2- **Supervisor of Mr M.J. Maftoon Azad, M.Sc. in Physiology (Oct. 2021):** To study the effects of reduced renal perfusion pressure during ischemic period on acute kidney injury induced by ischemia/reperfusion via renal vein occlusion in anaesthetized rats.

Submitted Theses

- 1- **Supervisor of Mr B. Barmaki, M.Sc. in Physiology (Sep. 2001):** Effects of a selective endothelin-A receptor antagonist, CONA-124, on ischemia/reperfusion-induced acute renal failure in anaesthetised rats.
- 2- **Advisor of Mrs F. Heshmati, M.Sc. in Physiology (Sep. 2001 – Supervisor: Dr G.A. Dehghani):** Antipolyuric and antipolydipsic effects of vanadyl sulphate in rats with lithium-induced nephrogenic diabetes insipidus.
- 3- **Supervisor of Mr G. Bayat, M.Sc. in Physiology (Sep. 2003):** Effects of a selective A₁-receptor antagonist, DPCPX, on renal tissue damages and functional disturbances in early phase of ischemia/reperfusion-induced acute renal failure in anaesthetised rats.
- 4- **Advisor of Dr M. Zahmatkesh, Ph.D. in Physiology (Aug. 2005 – Supervisor: Dr M. Kadkhodae, Tehran University of Medical Sciences):** Study the effects of MnTBAP and L-NIL in ischemia/reperfusion-induced renal injury in rat.
- 5- **Advisor of Mr H. Mostafavi, M.Sc. in Physiology (Jul. 2005 – Supervisor: Dr G.A. Dehghani):** Preventive effects of hydroalcoholic olive leaf extract in renal hypertension.
- 6- **Supervisor of Mr M. Haghani, M.Sc. in Physiology (Aug. 2005):** Mechanism of acute antidiuresis by bendroflumethiazide in rat with lithium-induced nephrogenic diabetes insipidus.
- 7- **Supervisor of Mrs Z. Karimi, M.Sc. in Physiology (Sep. 2007):** Mechanism of long-term antidiuretic effect of bendroflumethiazide in rat with lithium-induced nephrogenic diabetes insipidus.
- 8- **Supervisor of Dr F. Gholampour, Ph.D. in Physiology (Aug. 2007, Tarbiat Modares University):** Interactions of an adenosine A₁-receptor antagonist, an angiotensin AT₁-receptor antagonist, and a selective iNOS inhibitor in ischaemia/reperfusion-induced acute renal failure in anaesthetised rats.
- 9- **Supervisor of Dr S.C. Ashtiyani, Ph.D. in Physiology (Apr. 2008):** The beneficial effect of L-carnitine on renal disorders induced by acute unilateral ureteral obstruction in rat.
- 10- **Advisor of Dr F. Ketabchi, Ph.D. in Physiology (Aug. 2009 – Supervisor: Dr G.A. Dehghani):** The effect of hypercapnia with and without acidosis on hypoxic pulmonary vasoconstriction in the isolated ventilated-perfused rabbit lung: Impacts of NO synthase isoforms and reactive oxygen species.
- 11- **Supervisor of Dr H. Najafi, Ph.D. in Physiology (Aug. 2010):** Pathophysiology of renal injury progression during 24 hour reperfusion following ischemia in rat and the role of A₁-adenosine receptor.
- 12- **Co-Supervisor with Dr G.A. Dehghani of Dr M.T. Mohammadi, Ph.D. in Physiology (Dec. 2010):** Interaction of nitric oxide synthase (NOS) activity in autoregulation and blood brain

barrier (BBB) permeability during ischemia/reperfusion injuries in normotensive and acute hypertensive rats.

- 13- **Supervisor of Miss Z. Bagheri, M.Sc. in Physiology (Sept. 2011):** Effects of selective inhibition of inducible nitric oxide synthase on defect of renal acid excretion induced by acute ureteral obstruction in rat.
- 14- **Co-Supervisor with Dr M.M. Sagheb of Dr A. Dehghan, M.D. in General Medicine (Sep. 2011):** Early clinical exposure and case-based teaching in learning physiology of body fluid and acid-base: Its effects on attitudes and examination grades of the second-year medical students.
- 15- **Supervisor of Dr I. Gheitasi, Ph.D. in Physiology (Aug. 2013):** Determining the relationships between renal dysfunctions, oxidative stress, defected energy metabolism, and tissue damage induced by acute and chronic unilateral ureteral obstruction in rat.
- 16- **Supervisor of Mr H. Fatemikia, M.Sc. in Physiology (Feb. 2014):** The role of reactive oxygen species and inducible nitric oxide synthase in development of alterations in kidneys and lung following unilateral renal ischemia/reperfusion and unilateral nephrectomy.
- 17- **Advisor of Mrs S. Mansori, M.Sc. in Physiology (Feb. 2014 – Supervisor: Dr F. Ketabchi):** The roles of reactive oxygen species and chloride-bicarbonate exchanger as well as their possible interactions on pulmonary vascular response to alveolar hypoxia in the isolated ventilated perfused rabbit lung.
- 18- **Advisor of Dr A.M. Moradi and Dr O. Aj., Specialist in General Surgery (Aug. 2014 – Supervisors: Dr Sh. Paydar & Dr F. Ketabchi):** The effects of blood loss in the presence and absence of severe tissue damage on hemodynamic and metabolic parameters in rat.
- 19- **Supervisor of Miss N. Al-Ebrahim, M.Sc. in Physiology (Sept. 2014):** The role of T-lymphocytes in development of acute structural and functional disorders of kidneys following bilateral renal ischemia/reperfusion as well as induction of acute lung injury.
- 20- **Advisor of Miss P. Esmaili, M.Sc. in Physiology (Sept. 2014 – Supervisor: Dr M. Haghani):** The effect of erythropoietin on impairment of learning, memory and synaptic plasticity following Alzheimer induction by beta amyloid 25-35.
- 21- **Co-Supervisor with Dr F. Ketabchi of Dr Z. Karimi, Ph.D. in Physiology (Feb. 2016):** Characterizing the development of acute lung injury from acute kidney injury by comparing rats subjected to bilateral or unilateral nephrectomy and bilateral or unilateral renal ischemia/reperfusion, along with determining the role of lymphocytes.
- 22- **Advisor of Dr M. Tahamtan, Ph.D. in Neuroscience (Jan. 2017 – Supervisor: Dr M. Shabani, Kerman Univ. of Medical Sciences):** The neuroprotective effects of erythropoietin on behavioral disorders, electrophysiological and molecular alterations of neurons in CA1 area of hippocampus induced by acute kidney injury in male rats.
- 23- **Advisor of Dr H. Ghanbari, Ph.D. in Physiology (Aug. 2017 – Supervisor: Dr S. Keshtgar):** Investigating the interactive functions of CatSper and Hv1 channels and NOX5 enzyme on activated human spermatozoa by progesterone
- 24- **Co-Supervisor with Dr G.A. Dehghani of Dr H. Ahmadi, Ph.D. in Physiology (Aug. 2017):** Protective and antioxidant effects of oral vanadyl sulfate on cerebral ischemia/reperfusion injury in diabetic rat.
- 25- **Co-Supervisor with Dr M. Haghani of Dr N. Karimi, Ph.D. in Physiology (Feb. 2018):** Structural and functional disorders of the kidneys and brain following ischemia/reperfusion of lower limbs and kidneys as well as the probable protective effects of FTY-720, a sphingosine-1-phosphate analogue, on their development.

- 26- **Supervisor of Mrs E. Nikeghbal, M.Sc. in Physiology (Feb. 2018):** Comparing ischemia/reperfusion-induced acute kidney injuries by occlusion of renal artery, vein, or pedicle in anaesthetized rats.
- 27- **Advisor of Miss F. Mohammadian, M.Sc. in Physiology (Oct. 2018 – Supervisor: Dr M. Haghani):** The effects of minocyclin and ibuprofen on disturbed synaptic plasticity and cell death following hepatic encephalopathy.
- 28- **Advisor of Mrs F. Ebrahimpour, M.Sc. in Physiology (Jan. 2019 – Supervisor: Dr M. Haghani):** The effects of FTY-720 on impairment of learning & memory and synaptic plasticity in animal model of hepatic encephalopathy with bile duct-ligation.
- 29- **Co-Supervisor with Dr M. Haghani of Dr M. Arab Firoozjaie, Ph.D. in Physiology (July. 2019):** The protective effects of FTY-720, a sphingosine-1-phosphate analogue, on structural and functional impairments of the brain induced by acute kidney injury.
- 30- **Supervisor of Dr S. Nazari, Ph.D. in Physiology (Feb. 2020):** Temporal pattern of alterations in obesity index, blood lipid profile and glucose as well as renal pressure-natriuresis during development of obesity-induced hypertension: roles of renal nerves and sexuality.
- 31- **Supervisor of Mr M. Karami, M.Sc. in Physiology (Feb. 2020):** Comparison of ischemia-induced acute kidney injuries via occluding renal artery, vein, or pedicle in anaesthetized rats.
- 32- **Advisor of Miss Z. Dolat-Abadi, M.Sc. in Physiology (Feb. 2021 – Supervisor: Dr S. Keshavarz):** The effect of acute treatment with atorvastatin and the role of nitric oxide on brain injury induced by ischemia/reperfusion in rats.
- 33- **Advisor of Miss E. Faghih, M.Sc. Candidate in Physiology (Sept. 2021 – Supervisor: Dr S. Keshavarz):** Renal functional disorders following acute focal cerebral injury induced by ischemia/reperfusion in rats.

Publications:

English Articles

- 1) **Dehghani G.A. & Moosavi S.M. (1993):** Interaction of arterial chemoreceptors and pulmonary stretch reflexes in circulatory regulations in the cat. *Iranian Journal of Medical Sciences*, (Dec) 18: 153-158.
- 2) **Moosavi S.M. & Johns E.J. (1999):** Effect of renal perfusion pressure on renal function, renin release and renin and angiotensinogen gene expression. *The Journal of Physiology*, (Oct) 520: 261-9.
- 3) **Moosavi S.M. & Johns E.J. (2003):** The effect of isoprenaline infusion on renal renin and angiotensinogen gene expression in anaesthetised rat. *Experimental Physiology*, (Mar) 88: 221-227.
- 4) **Moosavi S.M., Barmaki B., Geramizadeh B., Fallahzadeh M.H. & Johns E.J. (2004):** Effect of endothelin-A receptor blockade on the early phase of ischaemia/reperfusion injury in anaesthetised rats. *Iranian Journal of Medical Sciences*, (Mar) 29: 14-20.
- 5) **Zahmathkesh M., Kadkhodae M., Moosavi S.M. & Golestani A. (2005):** Beneficial effects of MnTBAP, a broad spectrum reactive species scavenger, in rat renal ischemia/reperfusion injury. *Clinical and experimental Nephrology*, (Sep) 9: 212-218.
- 6) **Moosavi S.M., Bayat G.R., Owji S.M. & Panjehshahin M.R. (2009):** The early renal post-ischaemic tissue damage and dysfunction with contribution of A₁-adenosine receptor activation in rat. *Nephrology*, (Apr) 14: 179-188.
- 7) **Ketabchi F., Egemnazarov B., Schermuly R.T., Ghofrani H.A., Seeger W., Grimminger F., Shid Moosavi S.M., Dehghani G.A., Weissmann N. & Sommer N. (2009):** Effects of

hypercapnia with and without acidosis on hypoxic pulmonary vasoconstriction. *American Journal of Physiology - Lung Cell Molecular Physiology*, (Nov) 297: L977-L983.

- 8) **Moosavi S.M., Ashtiyani S.C., Hosseinkhani S. & Shirazi M. (2010):** Comparison of the effects of L-carnitine and α -tocopherol on acute ureteral obstruction-induced renal oxidative imbalance and altered energy metabolism in rats. *Urological Research*, (Jun) 38: 187-194.
- 9) **Moosavi S.M. & Haghani M. (2010):** Cooperative mechanisms of acute antidiuretic response to bendroflumethiazide in rats with lithium-induced nephrogenic diabetes insipidus. *Canadian Journal of Physiology and Pharmacology*, (Dec) 88: 1191-1201.
- 10) **Moosavi S.M., Ashtiyani S.C. & Hosseinkhani S. (2011):** L-carnitine improves oxidative stress and suppressed energy metabolism but not renal dysfunction following release of acute unilateral ureteral obstruction in rat. *Neurourology and Urodynamics*, (Mar) 30: 480-487.
- 11) **Mohammadi M.T., Shid Moosavi S.M. & Dehghani G.A. (2011):** Contribution of nitric oxide synthase (NOS) activity in blood-brain barrier disruption and edema after acute ischemia/reperfusion in aortic coarctation-induced hypertensive rats. *Iranian Biomedical Journal*, (Jan & Apr) 1&2: 22-30.
- 12) **Ketabchi F., Ghofrani H.A., Schermuly R.T., Seeger W., Egemazarov B., Grimminger F., Egemazarov B., Shid-Moosavi S.M., Dehghani G.A., Weissmann N. & Sommer N. (2012):** Effects of hypercapnia and NO synthase inhibition in sustained hypoxic pulmonary vasoconstriction. *Respiratory Research*, (Jan) 13: 7-22.
- 13) **Mohammadi M.T., Shid Moosavi S.M. & Dehghani G.A. (2012):** Contribution of nitric oxide synthase (NOS) in blood-brain barrier disruption during acute focal cerebral ischemia in normal rat. *Pathophysiology*, (Feb) 19: 13-20.
- 14) **Moosavi S.M., Bagheri Z., Gheitasi I. & Roozbeh J. (2013):** Pre- or post-treatment with aminoguanidine attenuates a renal distal acidification defect induced by acute ureteral obstruction in rats. *Canadian Journal of Physiology and Pharmacology*, (Nov) 91(11): 920-928.
- 15) **Moosavi S.M. & Karimi Z. (2014):** Cooperative mechanisms involved in chronic antidiuretic response to bendroflumethiazide in rats with lithium-induced nephrogenic diabetes insipidus. *Acta Physiologica Hungarica*, (March) 101 (1): 88-102.
- 16) **Ketabchi F., Karimi Z. & Moosavi S.M. (2014):** Sustained hypoxic pulmonary vasoconstriction in the isolated perfused rat lung: Effect of α_1 -adrenergic receptor agonist. *Iranian Journal of Medical Sciences*, (May) 39 (3): 275-281.
- 17) **Gheitasi I. & Moosavi S.M. (2014):** Combination therapy with losartan and α -tocopherol in acute ureteral obstruction-induced renal excretory dysfunction and acidification defect. *Iranian Journal of Medical Sciences*, (July) 39 (4): 357-366.
- 18) **Esmaeili P., Moosavi S.M., Shabani M & Haghani M. (2015):** Erythropoietin improves synaptic plasticity and memory deficits by decrease of the neurotransmitter release probability in the rat model of Alzheimer's disease. *Pharmacology, Biochemistry and Behavior*, (March) 130: 15-21.
- 19) **Ketabchi F., Mansoori S. & Moosavi S.M. (2015):** The role of anion exchanger on pulmonary vascular response to sustained alveolar hypoxia in the isolated perfused rabbit lung. *Iranian Journal of Medical Sciences*, (May) 40 (3): 256-63.
- 20) **Moradi A.M., Aj O., Paydar Sh., Ketabchi F., Moosavi S.M., Bolandparvaz Sh., Abassi H.R., Tamadon A.D. & Mehrabani D. (2015):** The effects of blood loss in the presence and absence of severe soft tissue injury on hemodynamic and metabolic parameters: an experimental study. *Emergency* (Nov) 3(4): 150-154.

- 21) **Fatemikia H., Ketabchi F., Karimi Z. & Moosavi S.M. (2016):** Distant effects of unilateral renal ischemia/reperfusion on contralateral kidney but not lung in rats: the roles of ROS and iNOS. *Canadian Journal of Physiology and Pharmacology* (May) 94(5): 477-487.
- 22) **Najafi H., Owji S.M., Kamali-Sarvestani E. & Moosavi S.M. (2016):** A₁-adenosine receptor activation has biphasic roles in development of acute kidney injury at 4 and 24 hours of reperfusion following ischaemia in rat. *Experimental Physiology* (July) 101(7): 913-931.
- 23) **Karimi Z., Ketabchi F., Alebrahimdehkordi N., Fatemikia H., Owji S.M. & Moosavi S.M. (2016):** Renal ischemia/reperfusion against nephrectomy for induction of acute lung injury in rats. *Renal Failure* (Oct) 38(9): 1503–1515.
- 24) **Tahamtan M., Moosavi S.M., Sheibani V., Nayebpour M., Esmaeili-Mahani S., Shabani M. (2016):** Erythropoietin attenuates motor impairments induced by bilateral renal ischemia/reperfusion in rats. *Fundamental & Clinical Pharmacology* (Dec) 30(6): 502–510.
- 25) **Shabania M., Haghani M., Esmaeili Tazangi P., Bayat M., Shid Moosavi S.M., Ranjbara H. (2017).** Netrin-1 improves the amyloid- β -mediated suppression of memory and synaptic plasticity. *Brain Research Bulletin* (May) 131: 107–116.
- 26) **Mansoori S., Moosavi S.M. & Ketabchi F. (2017):** The interaction between trolox and 4,4'-diisothiocyanatostilbene-2,2'-disulfonic acid on hypoxic pulmonary vasoconstriction in the isolated rabbit lung. *Iranian Journal of Medical Sciences*, (May) 42 (3): 284-291.
- 27) **Karimi N., Haghani M., Noorafshan A., Shid Moosavi S.M. (2017):** Structural and functional disorders of hippocampus following ischemia/reperfusion in lower limbs and kidneys. *Neuroscience*, (Sept) 358: 238–248.
- 28) **Dehghan A., Amini M., Sagheb M.M., Shidmoosavi S.M., Nabeiei P. (2017):** Early clinical exposure program in learning renal physiology. *J Adv Med Educ Prof*, (Oct) 5(4):172-176.
- 29) **Ahmadi-Eslamloo H., Shid Moosavi S.M. & Dehghani G.A. (2017):** Cerebral ischemia/reperfusion injury in vanadium-treated diabetic rats. *Iranian Journal of Medical Sciences*, (Nov) 42 (6): 544-552.
- 30) **Ahmadi-Eslamloo H., Dehghani G.A. & Moosavi S.M. (2018):** Long-term treatment of diabetic rats with vanadyl sulfate or insulin attenuates acute focal cerebral ischemia/reperfusion injury via their antiglycemic effect. *Metabolic Brain Disease*, (Feb) 33: 225-235.
- 31) **Tahamtan, M., Sheibani, V., Moosavi, S.M.S., Asadi-Shekaaria M., Esmaeili-Mahania S., Aghaei, I. & Shabani, M. (2018):** Pre-treatment with erythropoietin attenuates bilateral renal ischemia-induced cognitive impairments. *Iranian Journal of Pharmaceutical Research*, (Spring) 17(2): 601-612.
- 32) **Keshtgar S., Ghanbari H., Ghani E. & Shid Moosavi S.M. (2018):** Effect of CatSper and Hv1 channels inhibition on progesterone stimulated human sperm. *Journal of Reproduction & Infertility*, (Jul-Sep) 19(3):133-139.
- 33) **Owji S.M., Nikeghbal E. & Moosavi S.M. (2018):** Comparison of ischaemia-reperfusion-induced acute kidney injury by clamping renal arteries, veins or pedicles in anaesthetized rats. *Experimental Physiology*, (Oct) 103(10): 1390-1402.
- 34) **Shabani M., Ebrahimpoor F., Firouzjaei MA., Kamali L., Shid Moosavi S.M., Noorafshan A. & Haghani M. (2019):** Modulation of sphingosine-1-phosphate receptor by FTY720 contributes in improvement of hepatic encephalopathy induced by bile duct ligation. *Brain Research Bulletin*, (Mar) 146: 253-269.
- 35) **Mohammadian F., Firouzjaei MA., Haghani M., Shabani M., Moosavi S.M. & Mohammadi F. (2019):** Inhibition of inflammation is not enough for recovery of cognitive

impairment in hepatic encephalopathy: effects of minocycline and ibuprofen. *Brain Research Bulletin*, (Apr) 149: 96-105.

- 36) **Firouzjaei MA., Haghani M. & Moosavi S.M., (2019):** Renal ischemia/reperfusion induced learning and memory deficit in the rat: insights into underlying molecular and cellular mechanisms. *Brain Research*, (Sept) 1719: 263-273.
- 37) **Salehi M.S., Pandamooz S., Safari A., Jurek B., Tamadon A., Namavar MR., Dianatpour M., Dargahi L., Azarpira N., Fattahi S., Shid Moosavi S.M., Keshavarz S., Khodabandeh Z., Zare S., Nazari S., Heidari M., Izadi S., Poursadeghfard M., Borhani-Haghighi A. (2020):** Epidermal neural crest stem cell transplantation as a promising therapeutic strategy for ischemic stroke. *CNS Neuroscience & Therapeutics*, (June) 26: 670–681.
- 38) **Karami M., Owji S.M., & Moosavi S.M.S. (2020):** Comparison of ischemic and ischemic/reperfused kidney injury via clamping renal artery, vein, or pedicle in anesthetized rats. *International Urology and Nephrology*, (Dec) 52 (12): 2415–2428.
- 39) **Keshtgar S., Ebrahimi B., Shid Moosavi S.M. & Erfani N. (2020):** NADPH oxidase 5 activation; a novel approach to human sperm cryoinjury. *Cell and Tissue Banking*, (Dec) 21(4): 675-684.
- 40) **Nazari S. & Moosavi S.M. (2020):** Temporal patterns of alterations in obesity index, lipid profile, renal function and blood pressure during the development of hypertension in male, but not female, rats fed a moderately high-fat diet. *Archives of Physiology and Biochemistry*, (ahead of print). DOI: 10.1080/13813455.2020.1739713.
- 41) **Nazari S., Haghani M. & Moosavi S.M. (2021):** Bilateral renal denervation prevents the development of hypertension during diet-induced obesity in male rats. *Experimental Physiology*, (Nov) 106(11): 248–2261.

Persian Articles

- 1) **Gholampour F., Moosavi S.M., Owji S.M. & Hajizadeh S. (2007):** Effect of angiotensin-II receptor type-1 antagonist on renal hemodynamic and tubular responses to ischemia/reperfusion injury in rat. *Journal of Arak University of Medical Sciences*, (Spring) 10: 99-107.
- 2) **Ashtiyani S.C., Moosavi S.M., Hosseinkhani S. & Shirazi M. (2007):** Metabolic and oxidative stress indices in acute unilateral ureteral obstructive nephropathy in rat. *Tehran University Medical Journal*, (Oct) 65: 17-23.
- 3) **Ashtiyani S.C., Moosavi S.M., Hosseinkhani S. & Shirazi M. (2008):** The effects of vitamin-E on oxidative stress and metabolic imbalance induced by acute unilateral ureteral obstruction in anaesthetized rats. *Tehran University Medical Journal*, (Dec) 66: 617-624.
- 4) **Ketabchi F., Shid Moosavi S.M., Weissmann N. & Dehghani G.A. (2009):** Quantitative evaluation of hemodynamic parameters during acute alveolar hypoxia and hypercapnia in the isolated ventilated-perfused rabbit lung. *Physiology and Pharmacology*, (Summer) 13:199-208.
- 5) **Ashtiyani S.C., Moosavi S.M., Hosseinkhani S. & Shirazi M. (2010):** The effects of L-carnitine and α -tocopherol on acid excretion defect during the acute ureteral obstruction in anaesthetized rats. *Tehran University Medical Journal*, (Jan) 67: 679-686.
- 6) **Gholampour F., Shid Moosavi S.M., Owji S.M. & Hajizadeh S. (2010):** The role of inducible nitric oxide synthase (iNOS) in ischemia/reperfusion-induced acute renal failure in anaesthetized rats. *Arak Medical University Journal*, (Winter) 12: 51-60.
- 7) **Mohammadi M.T., Shid Moosavi S.M. & Dehghani G.A. (2010):** Inhibition of nitric oxide synthase activity improves cerebral ischemia/reperfusion injury during focal cerebral ischemia in rat. *Physiology and Pharmacology*, (Spring) 14: 23-33.

- 8) **Najafie H. & Shid Moosavi S.M. (2010):** Contribution of A₁-adenosine receptor in the development of renal functional disturbances during early hours of reperfusion following ischemia in anaesthetized rats. *Arak Medical University Journal*, (Summer) 13 (2): 146-159.
- 9) **Mesbah S.F., Ghayomi S.M., Tozihian M.A., Bordbar H., Naghibalhossaini S.F., Pakshir K., Shid Moosavi S.M., Shaban Sarvestani S. & Movahedi M.M. (2011):** The effects of formaldehyde among medical students in anatomy dissection laboratory of Shiraz School of Medicine. *Journal of Iranian Anatomical Sciences*, (Winter) 8: 197-208.
- 10) **Mesbah S.F., Choobineh A., Tozihian M.S., Jafari P., Naghibalhossaini S.F., Shid Moosavi S.M., Pakshir K., Movahedi M.M. & Shaban Sarvestani S. (2012):** The effects of ergonomic intervention on reducing musculoskeletal disorders in staff of Shiraz Medical School. *Iran Occupational Health*, (Spring) 9 (1): 41-51.

Abstracts & Presentations

- 1) **Dehghani G.A. & Moosavi S.M. (1989):** Hypoxia, hypercapnia and hypoxic-hypercapnia and their influence on the cardio-vascular system of anesthetized open-chested cats. *The 9th Iranian Congress of Physiology & Pharmacology, Abstract Book*: article No.29.
- 2) **Moosavi S.M. & Dehghani G.A. (1989):** Comparison of the effects of hypoxemia, hypercapnia and decreased lung stretch receptor activity on the cardiovascular system of anesthetized open-chested cat during hypoventilation. *The 9th Iranian Congress of Physiology & Pharmacology, Abstract Book*: article No.28.
- 3) **Moosavi S.M. & Dehghani G.A. (1989):** The effect of lung stretch receptors on the cardiovascular system of anesthetized artificially ventilated open-chested cats. *The 9th Iranian Congress of Physiology & Pharmacology, Abstract Book*: article No.27.
- 4) **Moosavi S.M. & Johns E.J. (1997):** Effect of renal perfusion pressure (RPP) reduction on kidney function and plasma renin activity (PRA) in the anaesthetized rat. *Journal of Physiology*, 499.P: 60P.
- 5) **Moosavi S.M. & Johns E.J. (1997):** Effect of renal perfusion pressure reduction and nerve stimulation on PRA and renal renin and angiotensinogen (Ang) mRNA in the anaesthetized rat. *Journal of Physiology*, 504.P: 210P.
- 6) **Johns E.J. & Moosavi S.M. (1998):** Renal perfusion pressure (RPP), renin release and renal renin and angiotensinogen (Ang) gene expression. *Journal of Physiology*, 507.P: 39P.
- 7) **Moosavi S.M. & Johns E.J. (1998):** Comparison of renal perfusion pressure (RPP) reduction to 30 and 60 mmHg on plasma renin activity and renal renin mRNA in the anaesthetized rat. *Journal of Physiology*, 507.P: 38P-39P.
- 8) **Moosavi S.M. & Johns E.J. (1998):** Effect of renal perfusion pressure (RPP) reduction and anaesthetics on renin-angiotensin system in rats. *Journal of Physiology*, 509.P: 123P.
- 9) **Moosavi S.M. & Johns E.J. (1998):** Effect of renal perfusion pressure reduction and losartan on renal function and the renin-angiotensin system in rats. *Journal of Physiology*, 513.P: 40P.
- 10) **Heshmati F., Dehghani G.A., Moosavi S.M., Geramizadeh B. & Omrani G.R. (2001):** Renal effect of vanadyl sulphate in normal rats. *The 15th Iranian Congress of Physiology & Pharmacology, Abstract Book*: 67.
- 11) **Dehghani G.A., Heshmati F., Moosavi S.M., Geramizadeh B. & Omrani G.R. (2001):** Effect of vanadyl sulphate on renal function of rats with lithium-induced nephrotic diabetes insipidus. *The 15th Iranian Congress of Physiology & Pharmacology, Abstract Book*: 37.

- 12) **Barmaki B., Moosavi S.M., Geramizadeh B. & Johns E.J. (2001):** Effect of a selective endothelin_A-receptor antagonist on ischemic acute renal failure in the anaesthetized rat. *The 15th Iranian Congress of Physiology & Pharmacology, Abstract Book: 39.*
- 13) **Moosavi S.M. & Johns E.J. (2001):** Effect of isoprenaline infusion on renal function, renin release and renin and angiotensinogen gene expression in the anaesthetized rat. *The 15th Iranian Congress of Physiology & Pharmacology, Abstract Book: 38.*
- 14) **Moosavi S.M. (2001):** Regulation of renal function and renin-angiotensin system by renal perfusion pressure and renal nerves. *Plenary lecture in the 15th Iranian Congress of Physiology & Pharmacology, Abstract Book: 8.*
- 15) **Bayat G.R., Moosavi S.M., Owji S.M. & Panjehshahin M.R. (2003):** Effects of a selective A₁-receptor antagonist on renal function in ischemic acute renal failure in rat. *The 16th Iranian Congress of Physiology & Pharmacology, Abstract Book: 1.*
- 16) **Moosavi S.M., Bayat G.R., Owji S.M. & Panjehshahin M.R. (2003):** Effects of a selective A₁-receptor antagonist on renal tissue damages in ischemic acute renal failure. *The 16th Iranian Congress of Physiology & Pharmacology, Abstract Book: 271.*
- 17) **Zahmathkesh M., Kadkhodae M., Moosavi S.M., Kaybahzadeh A., Golestani A., Shams S. & Ghaznavi R. (2004):** MnTBAP, a broad spectrum reactive species scavenger, ameliorates rat renal ischemia/reperfusion injury. *The 17th International Congress of Geographical Medicine.*
- 18) **Moosavi S.M.S., Owji S.M., Bayat G.R. & Panjehshahin M.R. (2004):** Role of adenosine A₁-receptor in the pathophysiology of ischemia/reperfusion-induced acute renal failure: An electron microscope study. *The 17th International Congress of Geographical Medicine.*
- 19) **Zahmathkesh M., Kadkhodae M., Moosavi S.M., Jorjani M., Shams S. & Ghaznavi R. (2005):** Amelioration of ischemia/reperfusion-induced injury in rat kidney by a superoxide dismutase mimicker in an *in vivo* model. *The 17th Iranian Congress of Physiology & Pharmacology, Abstract Book: 15.*
- 20) **Haghani M., Moosavi S.M. & Fallahzadeh M.H. (2005):** Mechanism of paradoxical antidiuretic effect of bendroflumethiazide in rat with Li-induced nephrogenic diabetes insipidus. *The 17th Iranian Congress of Physiology & Pharmacology, Abstract Book: 98*
- 21) **Moosavi S.M., Haghani M. & Fallahzadeh M.H. (2005):** Alterations of renal functions in rat with Li-induced nephrogenic diabetes insipidus. *The 17th Iranian Congress of Physiology & Pharmacology, Abstract Book: 97*
- 22) **Haghani M., Moosavi S.M. & Fallahzadeh M.H. (2006):** Role of renal nerves in acute antidiuretic effect of bendroflumethiazide in rat with lithium-induced nephrogenic diabetes insipidus. *The 10th Iranian Annual Congress of Nephrology, Dialysis and Transplantation, Abstract Book: 15*
- 23) **Haghani M. & Moosavi S.M. (2006):** Role of renal nerves in acute antidiuretic effect of bendroflumethiazide in rat with lithium-induced nephrogenic diabetes insipidus. *The 6th Congress of the Federation of Asian and Oceanian Physiological Societies, Seoul, Korea. Abstract Book: 300*
- 24) **Haghani M., Moosavi S.M. & Karimi Z. (2007):** Renal dysfunctions in conscious rat with lithium-induced nephrogenic diabetes insipidus. *The 18th Iranian Congress of Physiology & Pharmacology, Abstract Book: 14.*
- 25) **Moosavi S.M., Gholampour F., Owji S.M. & Hajizadeh S. (2007):** Important impact of iNOS on the early hemodynamic and tubular responses to ischaemia/reperfusion injury in anaesthetized rat. *The 18th Iranian Congress of Physiology & Pharmacology, Abstract Book: 15.*

- 26) **Ashtiyani S.C., Hosseinkhani S., Shirazi M. & Moosavi S.M. (2007):** Effect of vitamin-E on oxidative stress and metabolism imbalance induced by acute unilateral ureteral obstruction in anaesthetized rat. *The 18th Iranian Congress of Physiology & Pharmacology, Abstract Book*: 254.
- 27) **Ashtiyani S.C., Moosavi S.M., Hosseinkhani S. & Shirazi M. (2007):** Beneficial effect of L-carnitine on disturbed oxidative balance and metabolism state in acute unilateral ureteral obstructive nephropathy in anaesthetized rat. *The 18th Iranian Congress of Physiology & Pharmacology, Abstract Book*: 254.
- 28) **Gholampour F., Moosavi S.M., Owji S.M. & Hajizadeh S. (2007):** Contribution of adenosine A₁-receptor on tissue damage and functional disorders in early phase of renal post-ischemia in anaesthetized rat. *The 18th Iranian Congress of Physiology & Pharmacology, Abstract Book*: 246.
- 29) **Moosavi S.M. (2009):** Biology of Endothelium. *The 1st National Congress of Endothelium* (Plenary lecture). *Journal of Isfahan Medical School (Special Issue)*: 11
- 30) **Moosavi S.M., Gholampour F., Owji S.M. & Hajizadeh S. (2009):** Interaction of adenosine A₁-receptors and angiotensin AT₁-receptor in ischemia/reperfusion-induced acute renal failure in anaesthetized rats. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-568-1.
- 31) **Gholampour F., Moosavi S.M., Owji S.M. & Hajizadeh S. (2009):** Interaction of adenosine A₁-receptor and inducible nitric oxide synthase on tissue damage and functional disorders at early phase of renal post-ischemia in anaesthetized rats. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-426-1.
- 32) **Owji S.M., Gholampour F., Moosavi S.M. & Hajizadeh S. (2009):** The slight role of Angiotensin AT₁-receptor in early renal ischemia/reperfusion-induced injury in anaesthetized rats. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-442-1.
- 33) **Najafi H. & Moosavi S.M. (2009):** The role of A₁-adenosine receptor in progression of renal dysfunctions during 24 hour of reperfusion following ischemia in anaesthetized rats. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-470-1.
- 34) **Karimi Z., Moosavi S.M. & Dehghani G.A. (2009):** Mechanism of chronic anti-diuretic effect of bendroflumethiazide in rats with lithium-induced nephrogenic diabetes insipidus. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-258-1.
- 35) **Ashtiyani S.C., Moosavi S.M., Hosseinkhani S. & Shirazi M. (2009):** Effects of L-carnitine and α -tocopherol on acute ureteral obstruction-induced disturbances of renal oxidative balance, energy metabolism, and acid excretion in anaesthetized rats. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-456-1.
- 36) **Mohammadi M.T., Shid-Moosavi S.M. & Dehghani G.A. (2009):** Interaction of nitric oxide with cerebral blood flow and ischemic infarct volume during ischemia/reperfusion injuries in normotensive rat. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-653-1.
- 37) **Ketabchi F., Dehghani G.A., Shid-Moosavi S.M. & Weissmann N. (2009):** Effects of alveolar hypercapnia on hypoxic pulmonary responses of isolated ventilated-perfused rabbit lung. *The 19th Iranian Congress of Physiology & Pharmacology* – A-10-557-1.
- 38) **Moosavi S.M., Ashtiyani S.C., Hosseinkhani S. & Shirazi M. (2009):** Effects of L-carnitine and α -tocopherol on acute ureteral obstruction-induced disturbances of renal function, oxidative balance and energy metabolism in anaesthetized rats. *The 12th International Congress of Nephrology, Dialysis, and Transplantation* – O503. *Iranian Journal of Kidney Diseases*, 3 (Supplement 1): 63-64.
- 39) **Ketabchi F., Sommer N., Egemazarov B., Ghofrani H.A., Schermuly R.T., Seeger W., Grimminger F., Shid-Moosavi S.M., Dehghani G.A., & Weissmann N (2010):** Effects of hypercapnia with and without acidosis on acute and sustained hypoxic pulmonary

vasoconstriction. *American Thoracic Society International Conference (May 14-19). Am J Respir Crit Care Med* 2010; 181: A6277

- 40) **Shid-Moosavi S.M., Najafi H., Owji S.M. & Kamali Sarvestani S. (2011):** How and when during reperfusion following ischemia the effects of A₁-adenosine receptor inhibition on renal injury are reversed. *The 20th Iranian Congress of Physiology & Pharmacology*, 1433.
- 41) **Najafi H., Shid-Moosavi S.M., Owji S.M. & Kamali Sarvestani S. (2011):** The role of A₁-adenosine receptor on functional disturbances, inflammation and histological damages during 4 and 24 hours of reperfusion following renal ischemia. *The 20th Iranian Congress of Physiology & Pharmacology*, 1432.
- 42) **Bagheri Z., Shid-Moosavi S.M. & Roozbeh J. (2011):** Effects of selective inhibition of inducible nitric oxide synthase (iNOS) on impaired renal acid excretion induced by acute ureteral obstruction in rat. *The 20th Iranian Congress of Physiology & Pharmacology*, 1415.
- 43) **Mohammadi M.T., Jaberipour M., Shid-Moosavi S.M. & Dehghani G.A. (2011):** Molecular mechanisms of blood brain barrier (BBB) disruption by nitric oxide Synthase (NOS) activity during ischemia/reperfusion injuries in rats. *The 20th Iranian Congress of Physiology & Pharmacology*, 1351.
- 44) **Ketabchi F., Mansouri S. & Moosavi S.M. (2014):** The role of anion exchanger on pulmonary vascular response to sustained alveolar hypoxia in the isolated perfused rabbit lung. *European Respiratory Society-International Congress 2014*, P2343.
- 45) **Karimi Z., Moosavi S.M. & Ketabchi F. (2015):** Acute lung histopathological alterations induced by acute kidney injury in rats subjected to bilateral or unilateral nephrectomy and bilateral or unilateral renal ischemia/reperfusion. *International Congress of Nephrology & Urology*.
- 46) **Fatemikia H., Moosavi S.M., Ketabchi F. & Karimi Z. (2015):** Distant effects of unilateral renal ischemia/reperfusion on contralateral kidney and lung in rats: the roles of reactive oxygen species and inducible nitric oxide synthase. *International Congress of Nephrology & Urology*.
- 47) **Moosavi S.M. (2015):** Acute kidney injury and inflammation. *The 22th Iranian Congress of Physiology and Pharmacology*, O-18-1.
- 48) **Karimi Z., Ketabchi F. & Moosavi S.M. (2015):** The role of reactive oxygen species in lung injury induced by renal ischemia/reperfusion in the isolated perfused lung. *The 22th Iranian Congress of Physiology and Pharmacology*, O-18-4.
- 49) **Fatemikia H., Moosavi S.M., Ketabchi F. & Karimi Z. (2015):** Unilateral renal ischemia/reperfusion affects contralateral kidney compensatory function via reactive oxygen species and inducible nitric oxide synthase in rats. *The 22th Iranian Congress of Physiology and Pharmacology*, O-18-5.
- 50) **Moosavi S.M., Ketabchi F. & Mansouri S. (2015):** The role of reactive oxygen species and chloride-bicarbonate exchanger on hypoxic pulmonary vasoconstriction in the isolated perfused rabbit lung. *The 22th Iranian Congress of Physiology and Pharmacology*, O-05-3.
- 51) **Ketabchi F., Karimi Z. & Moosavi S.M. (2015):** The roles of inducible NO synthase and reactive oxygen species on lung injury induced by renal ischemia/reperfusion injury in the isolated perfused rat lung. *European Respiratory Society-International Congress 2015*, PA2145.
- 52) **Zangouri V., Khodaei S., Ketabchi F., Moosavi S.M., Dehghan A. & Payedar S. (2015):** Effects of voluven on lung injury induced by hemorrhagic shock and femoral fracture in rat. *European Respiratory Society-International Congress 2015*, PA3034.
- 53) **Moosavi S.M. (2016):** Rat models in experimental medical researches. *The Congress of Animal Models in Medical Researches*.

- 54) **Karimi Z., Owji S.M., Ketabchi F. & Moosavi S.M. (2016):** Characterizing the development of acute lung injury from acute kidney injury by comparing rats subjected to bilateral or unilateral nephrectomy and bilateral or unilateral renal ischemia/reperfusion. *The 5th International Congress of Iranian Society of Paediatric Nephrology.*
- 55) **Arab-Firouzjaie M., Moosavi S.M. & Haghani M. (2017):** Synaptic plasticity and memory deficits in rat model of acute kidney injury. *IBRO/APRC Associate School 2017 on "Computational Approaches in Neuroprotection and Neurohabilitation";* June 5-10, India.
- 56) **Karami M., Nikeghbal E., Owji S.M. & Shid Moosavi S.M. (2019):** Comparison of ischemic acute kidney injury induced by clamping renal arteries, veins, or pedicles. *The 24th Iranian Congress of Physiology and Pharmacology,* S105175-1.
- 57) **Shid Moosavi S.M. & Nazari S. (2019):** Bilateral renal denervation prevents induction of hypertension by long-term feeding moderately high-fat diet in obesity-prone rats. *The 24th Iranian Congress of Physiology and Pharmacology,* P-579.

Attendance in Workshops:

- 1- Effective factors in learning, Systematic cycle of educational programming, and Evaluation: EDC of Shiraz University of Medical Sciences (1988/10/4 - 6)
- 2- Assessing students work: Staff development unit of Birmingham University (1997/02/5)
- 3- Small group teaching: Staff Development Unit of Birmingham University (1997/02/12)
- 4- Practical and laboratory teaching: Staff Development Unit of Birmingham University (1997/02/13)
- 5- Presentation skills: Staff Development Unit of Birmingham University (1997/02/18)
- 6- Evidence based medicine: EDC of Shiraz University of Medical Sciences (2005/3/9-10)
- 7- Special points in consulting of gifted and talented students: Gifted and Talented Office of Shiraz University of Medical Sciences (2005/05/1 - 2)
- 8- Designing and analyzing of the multiple choice questions: EDC of Shiraz University of Medical Sciences (2005/08/09)
- 9- Executive difficulties and solutions for plan of consultant master: Gifted and Talented Office of Shiraz University of Medical Sciences (2006/05/6 - 7)
- 10- Determination of research priorities: Vice-chancellor of research affairs of Shiraz University of Medical Sciences (2007/03/11)
- 11- Analysis of examinations: EDC of Shiraz University of Medical Sciences (2008/07/08)
- 12- Electronic learning in medical sciences: Center of Excellence for Electronic Learning in Medical Sciences of Shiraz University of Medical Sciences (2009/02/8-10)
- 13- Critical appraisal: EDC of Shiraz University of Medical Sciences (2009/04/05)

Executive Records:

- 1- Head of the Physiology Department, Jahrom Medical School (1990/3/10 – 1994/6/21)
- 2- Educational Deputy of Physiology Department, Shiraz University of Medical Sciences (2002/10/03 – 2004/01/05)
- 3- Head of the Physiology Department, Shiraz University of Medical Sciences (2004/01/05 – 2006/07/05)
- 4- Member of the Library Committee of Medical School, Shiraz University of Medical

Sciences (2002/05/28 – 2004/05/28)

- 5- Deputy for Educational Affairs in Postgraduate Studies of the Medical School, Shiraz University of Medical Sciences (2004/11/03 – 2012/04/21)
- 6- Chairman of the Council for Postgraduate Studies of the Medical School, Shiraz University of Medical Sciences (2004/12/17 – 2012/04/21)
- 7- Member of the Council of Postgraduate Studies of Shiraz University of Medical Sciences (2004/12/19 – 2012/04/21)
- 8- Member of the Health and Safety Committee of the Medical School, Shiraz University of Medical Sciences (2006/05/28 – 2012/04/21)
- 9- Member of the Educational and Research Council of Medical School, Shiraz University of Medical Sciences (2006/12/22 – 2012/04/21)
- 10- Member of the Educational Council of Shiraz University of Medical Sciences (2007/06/20 – 2012/04/21)
- 11- Member of the Council for Subspecialty and Postgraduate Studies of Medical School, Shiraz University of Medical Sciences (2010/02/02 – 2012/04/21)
- 12- Member of the Council for Curriculum Programming in General Medicine (Integration), Shiraz University of Medical Sciences (2010/03/07 – 2012/04/21)
- 13- Member of the Consultant Master Committee of Medical School, Shiraz University of Medical Sciences (2009 – 2012)
- 14- Member of the Administrative Transformation Committee of Medical School, Shiraz University of Medical Sciences (2010 – 2012)
- 15- Coordinator of the Urinary System Course in the Integrated Curriculum of General Medicine, the Medical School, Shiraz University of Medical Sciences (2010 – present)
- 16- Head of the Physiology Department, Shiraz University of Medical Sciences (2017/07/25 – 2019/11/01)