

# CURRICULUM VITAE (CV)

## Bahram Bibak

Assistant professor of physiology, North Khorasan University of Medical Sciences, Bojnurd, Iran.

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### Personal Information:

**Name:** Bahram

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**Phone:** +98 58 32296764

**Nationality:** Iranian

**Date of Birth:** 1964

**Place of Birth:** Quchan

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### Academic Training:

- B.Sc in nursing, Shahid beheshti University of medical sciences, Tehran, Iran, 1987.
  - M.Sc in Anesthesia, Tabriz University of medical sciences, Tabriz, Iran, 1991.
  - Ph.D in human Physiology, Kerman University of medical sciences, Kerman, Iran, 2007.
  - Scholarship PhD student, NTRI, Alfred hospital, Monash university, Melbourne, Australia, 2006
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### Theses:

**M.Sc thesis title:** The effects of Anesthesia gases on liver enzymes in operation room staff

**Ph.D thesis title:** The Role of L-type Calcium Channel Blockers on Brain Edema Following Trauma in Rat and Role of Cytokines and Cyclooxygenase as Probable Involved

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**Membership of societies:**

- Ordinary member of Iranian Physiology and Pharmacology since 2003
  - Ordinary member of IBRO
  - Ordinary member of Iranian organization of medical sciences education
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**Courses taught:**

- Education of human Physiology and Anesthesia for medical and paramedical students
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**Books:**

- Mohammadzadeh M, Pezhan A, **Bibak B**. Medical physiology. First edition, Iranian Arvij, Tehran, Iran.2012.
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**Awards:**

- The top assistant professor in reserch in North khorasan university of medical sciences,2012
  - The top assistant professor in education in North khorasan university of medical sciences, 2013
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**Proposals:**

- **Quality Gap in Educational Services at North Khorasan University of Medical Sciences(2011): Students Viewpoints about Current and Optimal Condition**
- **The effects of estrogen, progesterone and estrogen receptor agonists on the physiological and pathological parameters of gastrointestinal tract following traumatic brain injury in female rats**
- **The Immunomodulatory effects of abortion-prone mice decidual and serum soluble factors on macrophages and splenocytes**
- **The effects of aqueous extract of *aloe vera* gel on the colonic cytokine response following acetic acid- induced ulcerative colitis in male rats**
- **The evaluation of the effects of estrogen and progesterone on biochemical and inflammatory parameters and tissue injury following gastric ischemia- reperfusion injury in male rats**
- **The effect of female sexual hormones on the intestinal and serum cytokine response after traumatic brain injury: different roles for estrogen receptor**

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- **Effects of melatonin on biochemical factors and food and water consumption in diabetic rats**
  - **Effects of Aloe Vera Gel on Gastric Acid Secretion and Colon Histopathology in Ulcerative Colitis Model induced by Acetic Acid in Rats**
  - **The study of methanol extract of Cyprus Longus on visceral pain by writhing test in mice**
  - **Effect of maternal gestational diabetes on rat's offspring**
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## Interests:

- The effect of some traditional plants on Brain edema and inflammation
  - Brain edema models
  - The effect of cytokins on TBI
  - The role of sex hormones on brain edema and GI tract
  - Gastric ischemia- reperfusion model
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## *Technical skills:*

- Traumatic Brain Injury (TBI) induction method
- Determination of brain water content
- Determination of brain evans blue dye content to evaluate BBB permeability
- ELISA technique
- Tracheal intubation
- Immunohistochemical technique
- PCR technique

**Published Articles:**

**Published Articles in National Scientific and Research journals (Full paper):**

1. Keshavarzi Z, Mohebbati R, Alikhani V, **Bibak B**. The protective role of estrogen and progesterone on gastric tissue following gastric ischemia - reperfusion in male rats. *Journal of Zanzan University of Medical Sciences*: 2015; 23:
2. Keshavarzi Z, Alikhani V, Vatanchian M, Tabatabaei Yazdi A, **Bibak B**, Mohebbati R. Effects of *Aloe Vera* Gel on Gastric Acid Secretion and Colon Histopathology in Ulcerative Colitis Model induced by Acetic Acid in Rats. *Journal of Zanzan University of Medical Sciences*: 2015; 22(95):1-11.
3. Sabaghian M, Keshavarzi Z, **Bibak B**, , Vatanchian M, Mohammad Rezapour T. The effect of aqueous extract of Aloe vera leaves on gut-brain axis response following acetic acid -induced gastric ulcer in male rats. 2014; *Journal of North Khorasan University of Medical Sciences*: Summer 2014;6(2):358.
4. **Bibak B**, Khalili M, Rajaei Z, Soukhtanloo M, Hadjzadeh M, Parichehr Hayatdavoudi. Effects of melatonin on biochemical factors and food and water consumption in diabetic rats. *Adv Biomed Res* 2014;3:173.
5. Khaksari M, Keshavarzi Z, Gholamhoseinian A, **Bibak B**. The effect of female steroids hormones on intestinal and serum cytokines response after traumatic brain injury: different role for estrogen receptor subtypes. *Can. J. Physiol. Pharmacol.* 2013;91: 700–707.
6. Ghasemi M, Golmakani E ,Ahmadzadeh sani T, Kamali H, Akaberi SA, **Bibak B**. The study of methanol extract of *Cyprus Longus* on visceral pain by writhing test in mice. *Journal of North Khorasan University of Medical Sciences*; 2013;6(1).

7. Fiuji H., Almasi B N, Mehdikhan Z, **Bibak B**, Mohammad Pilevar, Omid N. Almasi. Automated Diagnostic System for Breast Cancer Using Least Square Support Vector Machine American Journal of Biomedical Engineer ing 2013, 3(6): 175-181
8. Khaksari M, Keshavarzi Z, Gholamhoseinian A, **Bibak B**. The effect of female sexual hormones on the intestinal and serum cytokine response after traumatic brain injury: different roles for estrogen receptor subtypes. *Can.J. Physiol. Pharmacol.* (2013) **91**: 700–707
9. Haresabadi M , **Bibak B\***, abbasi Z. Quality Gap in Educational Services at North horasanUniversity of Medical Sciences(2011): Students Viewpoints about Current and Optimal Condition. *Journal of North Khorasan University of Medical Sciences.* 2013;5(4):722
10. Mohammadi A , Asili J , Emami S.A, Mighani H, **Bibak B**. Phytochemical investigation on *Scutellaria pinnatifida* roots; *Journal of North Khorasan University of Medical Sciences.* 2012;(4):102
11. Nematollahi A, Aminimoghadamfarouj N, Jalilvand M, **Bibak B**, Vakili S.Ali. In Silico Molecular Modeling and Docking Studies on Luteolin Derivatives as Novel Helicobacter Pylori  $\beta$ -hydroxyacyl-acyl carrier protein dehydratase Inhibitor from *Biebersteinia multifida* DC. *International Journal of ChemTech Research.* 2012; Vol.4, No.2, pp 767-774
12. **Bibak B** , Kamali H , Nematollahi A\*. Reviews On 1,4-naphthoquinones from *Diospyros L.* *Journal of North Khorasan University of Medical Sciences.* 2012;4(3):506
13. **Bibak B**, Khakshor A, Kamali H, Ahmadzadeh Ghavidel R, Aminimoghadamfarouj N\*. Evaluation of Antibacterial Properties, Phytochemical Contents and Antioxidant Capacities of leaf and stem barks of *Uvaria grandiflora* Roxb. *Journal of North Khorasan University of Medical Sciences* Spring 2012; 4(1):119
14. **Bibak B**,GhafooriGharib F,Daneshmandi S, Abbaspour A, NezafatFirizi M,NamdarAhmadabad H. The Immunomodulatoryeffects of abortion-pronemice decidual and serum soluble factoron macrophages and splenocytes. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 165 (2012) 331–336
15. Hadjzadeh G, Hadjzadeh MA, Mahdavi N, Rajaei Z, Naderi S, **Bibak B**. Effect of maternal gestational diabetes on rat's offspring. *Journal of North Khorasan University of Medical Sciences ;* 2012; 4(2):184
16. **Bibak B** , Khaksari M, Badavi M. Effect of Calcium Channel Blocker Nicardipine on Brain Edema in Rats... *International Journal of Pharmacology.* 2007; 3 (3): 248-253

**Published Abstracts and Presentation of Congress:**

1. Fiuji H, **Bibak B** , Maftouh M, Mirhafez R, Avan A. Impact of human epidermal-growth-factor receptor-2 (HER2) expression and two BRCA1/2 pathogenic mutations with outcome of the breast... . Cancer Research, 2013 - AACR
  2. Bibak B, Kamali H, Nematollahi A. Optimization supercritical CO2 extraction of Lavandula hybrid via static-dynamic steps procedure and semicontinuous technique by response surface method. National congress of natural product and medicinal plant. 27-28 september, 2012
  3. **Bibak B** , GhafooriGharib F, Abbaspour A.”Effect of calcium channel blocker Nicardipin on secretion of cytokines and prostaglandin E2 in traumatic brain injury in rat. 12<sup>th</sup> Iranian congress of Biochemistry and 4<sup>th</sup> International Biochemistry and Molecular Biology. Mashhad, Iran. 6-9 sep.,2011.
  4. Khaksari m, **Bibak B** , Badavi M, Moshtaghi K.Gh, Najafipour H. “Calcium channel blocker inhibition of capillary permeability induced by traumatic brain injury in rats”. The 7<sup>th</sup> Iranian congress of Physiology and pharmacology, Krman, Iran.1-4 october, 2005.
  5. **Bibak B**, Khaksari m, Dabiri Sh. Introduction of new method of diffused brain trauma in rat in Iran. The 7<sup>th</sup> Iranian congress of Physiology and pharmacology. Krman, Iran.1-4 october, 2005.
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