**CURRICULUM VITAE**

**Homa Davoodi**PhD: Immunology

**Personal Data**

Birth Date: 1967

Birth Place:  Kazeroon

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**Degrees**

PhD in Immunology, Medicine and Health Science Faculty, UPM, Malaysia: 2006-2010.

M.Sc in Immunology from Mashhad Medical University: 1999-2001.

B. Sc in Microbiology from Kazeroon Azad University: 1993-1996.

Two years course of paramedical science from Zahedan Medical Sciences University: 1986-1988.

**Grants, Awards, and Honors**

Research Fellowship (Grant NO (05-01-04-SF0182) from the Ministry of Science, Technology and Innovation, Malaysia)

First Class Award .B. Sc in Microbiology from Kazeroon Azad University

Third Class Award .M.Sc in Immunology from Mashhad Medical University

**Occupation History**

2010 to present; Department of Microbiology and Immunology, Golestan University of Medical and Health Sciences, Gorgan, Iran.

2007 to 2010; Teaching assistant in Immunology course. Department of Pathology, Faculty of Medicine and Health Sciences, UPM, Malaysia.

2004 to 2007; as a lecturer of health , natural science teaching methods  and Population and family control in kazeroon teacher  training college  and technical institute, member of board of biotechnology council of teachers training college.

2002 to 2004 as the manager of LaboratoryofGastroenterohepatology Research Center in Namazee hospital,Shiraz.

2002 to 2003 as the manager in teacher training research center, Shiraz

From 1991- 2002 as a teacher of General Biology,Health,Zoology, Botany and Genetic in high schools.Mashhad and Kazeroon.

From 1990 to 1991.Lab assistant in Microbiology and Immunology Lab.Azad University.Kazeroon

 1989 to 1990 as a technician in Diagnostic Medical Lab. in Noorabad valiasr hospital.

**Workshop**

Bioinformatics,Golestan University of Medical and Health Sciences, 2011.

Teaching Skills, Golestan University of Medical and Health Sciences, 2011.

Course plan/ Lessen Plan, Golestan University of Medical and Health Sciences, 2011.

Real-Time PCR, Golestan University of Medical and Health Sciences, 2010.

Computer Skills, Golestan University of Medical and Health Sciences, 2010.

Bioinformatics and genetic, UPM, Malaysia, 2007.

Publishing for postgraduates, UPM,Malaysia, 2007.

PCR workshop in medical Brigand University, 2001.

 **Publications**

1. **Davoodi**, H., S. R. Hashemi, H. F. Seow. 2012. Increased NFk-B activity in Hct116 colorectal cancer cell line harboring TLR4 Asp299Gly polymorphism. Iran J Allergy Asthma Immunol. 11(2): 119-130
2. **Davoodi**, H. and H.F. Seow. 2011. Variant Toll-Like Receptor4 (Asp299Gly and Thr399Ile Alleles) and Toll-Like Receptor2 (Arg753Gln and Arg677Trp Alleles) in Colorectal Cancer. Iran J Allergy Asthma Immunol. 10(2): 91-99.
3. **Davoodi**, H., Hashemi S. R., Seow H. F., Ghorbani M. 2010. The Comparison of different Procedures for DNA extraction from paraffin-embedded Tissues: A commercial kit and a traditional method based on heating.Medical laboratory Journal. 3(2): 64-67.
4. **Davoodi**, H., S. R. Hashemi, H. F. Seow. 2013. 5-Fluorouracil induces the expression of TLR4 on HCT116 colorectal cancer cell line expressing different variants of TLR4Iranian journal of pharmaceutical Research.12 (2): 453-460
5. **Davoodi, H.,** S. R. Hashemi, H. F. Seow.2013.Expression of T399I and D299G polymorphisms of TLR4 gene in Colorectal Cancer Cell Lineby Flowcytometery. Journal of Gorgan University of Medical Sciences.15:(2),47-53
6. Maroufyan, E., A. Kasim, S. R. Hashemi, T. C. Loh, M. Hair Bejo and H. **Davoodi**. 2010. The effect of methionine and threonine supplementations on immune responses of broiler chickens challenged with infectious bursal disease.AmericanJournalofAppliedSciences.7: 44-50.
7. Hashemi, S. R., and H. **Davoodi**. 2010. Phytogenics as new class of feed additive in poultry industry. Journal of Animal and Veterinary Advance. 9: 2955-2304.
(Review Article).
8. Hashemi, S. R., and H. **Davoodi**. 2011. Herbal plants and their derivatives as growth and health promoters in animal nutrition.Veterinary Research Communications. 35: 169-180.(Review Article).
9. Hashemi, S. R., and H. **Davoodi**.2012. New antibiotic replacements as growth and health promoters.Journal of Gorgan University of Medical Sciences. 13:(4), 1-10
10. Hashemi, S. R., and **H. Davoodi**. 2012. Herbal Plants as New Immunostimulator in Poultry Industry: A Review. Asian Journal of Animal and Veterinary Advances. 7: 105-116 **(Review Article).**
11. Hashemi, S. R., I.Zulkifli, **H. Davoodi**, Z. Zunitaand M. Ebrahimi. 2012. Growth Performance, Intestinal microflora, Plasma Fatty Acid Profile in Broiler Chickens Fed Herbal Plant and Acidifiers. Animal Feed Science and Technology. 178: 167-174.
12. Jafari Ahangari, Y., S. R. Hashemi, A. Akhlaghi, H. Atashi, Z. Esmaili, M. Ghorbani,
A. Mehmandoyi, R. Mastani, A. Azadegan and **H. Davoodi**. 2013. Effect of *in ovo* injection of royal jelly on post-hatch growth performance and immune response in broiler chickens challenged with Newcastle disease virus. [Iranian Journal of Applied Animal Science](http://www.doaj.org/doaj?func=findJournals&uiLanguage=en&hybrid=&query=Iranian+Journal+of+Applied+Animal+Science).3 (1): 201-206.
13. Hashemi, S. R.and Davoodi H**.** 2014. New generation of natural bioactive compounds as immunostimulators. Global Journal on Advances Pure and Applied Sciences.
4: 48-50.
14. Jahanpour S, K. Ghazi Saesi, **Davoodi** **H.**, Ghaemi E. 2013. Anti-tuberculosis activity of some medicinal plants used in traditional medicine in north of Iran. Arch Pediatr Infec Dis.2015.DOI: 10.5812/ped infect.18098.
15. **Homa Davoodi**; Maesoumeh Mazandarani; Fatemeh Shakeri; Seyedeh Naeme Javid; Mishar klishadi; Shadi Jahanpour; Ezatollah Ghaemi. 2015. Anti-mycobacterial and Anti-inflammatory Activity of Punica granatum peel Extract against Mycobacterium Tuberculosis. Asian Journal of Advanced Basic Sciences. 3(1): 228-235.
16. **Homa Davoodi**; Ezatollah Ghaemi; Maesoumeh Mazandarani; Fatemeh Shakeri; Seyedeh Naeme Javid; Mishar Klishadi. 2015. Anti mycobacterial and anti inflammatory activity of Peganum harmala. Journal of Chemical and Pharmaceutical Research, 2015, 7(4): 1611- 1616.

**Articles in Conferences**

1. **Davoodi**, **H**., S. R. Hashemi, and H. F. Seow. 2012. Increased NFk-B activity in Hct116 colorectal cancer cell line harboring TLR4 Asp299Gly polymorphism. 11th International Congress of immunology and Allergy.Tehran, Iran.26-29 April 2012. PP: 84 **(Oral)**
2. **Davoodi**, **H**., S. R. Hashemi, and H. F. Seow.2012.Variant Toll-Like Receptor4 (Asp299Gly and Thr399Ile Alleles) and Toll-Like Receptor2 (Arg753Gln and Arg677Trp Alleles) in Colorectal Cancer.11th International Congress of immunology and Allergy.Tehran, Iran.26-29 April 2012. PP: 40
3. **Davoodi**, **H**., S. R. Hashemi, and H. F. Seow. 2011. Synergistic effect of LPS and
5-fluorouracil on TLR4expression in HCT116 colorectal cancer cell line expressing different variants of TLR4. The First International Congress of Medical Bacteriology. Tabriz University of Medical Sciences. 5-8 September 2011.Tabriz, Iran. pp: 279.
4. **Davoodi**,**H**., S. R. Hashemi, S. Heng Fong. 2011. 5-Fluorouracil induces the expression of TLR4 on HCT116 colorectal cancer cell line expressing different variants of TLR4. The 12th International Congress of Human Genetics and the American Society of Human Genetics 61st Annual Meeting, October 11-15, 2011 Montreal, Canada. pp: 256.
5. **Davoodi**, **H**., S. R. Hashemi, H. F. Seow and Z. Siahmarzkohi. 2011.The effect of LPS on TLR4 variants expression in HCT116 colorectal cancer cell line. 1th international and 12th Iranian Congress of Microbiology. 23-26 May. Kermansh. Iran. Article No: 1253.
6. **Davoodi,H**., M. Rastin, A. Khoee, M. Mahmoudi.2002. Application of PCR in determination of HTLV-1 infection in Paraffin embedded tissues. 10th International Congress of Infectious disease. Singapore. March 2002. PP:39
7. **Davoodi,H**., M. Rastin, A. Khoee, M. Mahmoudi.2002. Application of PCR in determination of HTLV-1 infection in Paraffin embedded tissues. AIDS and Sexual disease nationwide congress in Medical Birjand University.**(Oral)**
8. Hashemi, S. R., I. Zulkifli, Z. Zunita, M. Hair-Bejo,T. C. Loh, M. N. Somchit,
P.C. Kok, and **H.Davoodi**. 2009. Effects of dietary supplementation with
Euphorbia hirta and acidifier on performance and Salmonella colonization in broiler chickens. In: Proceedings of the 30th Malaysia Society of Animal Production Annual Conference, 2-5 June, Kota Kinabalu, Malaysia.pp: 69-70.
9. Maroufyan, E., A. Kasim, S. R. Hashemi, T. C. Loh, M. Hair-Bejo and **H. Davoodi**. 2009. The Effect of Omega-6 to Omega-3 Ratio on Performance and Immune Responses of Broiler Chickens Challenged with InfectiousBursal Disease (IBD). The Second International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2009), 8-11 November 2009, Kuala Lumpur, Malaysia. pp: 75-77.
10. Hashemi, S. R., I. Zulkifli, M. Hair-Bejo,T. C. Loh, **H. Davoodi** and P.C. Kok. 2009. Morphological Changes of the Intestinal in Broiler Chickens Fed Dietary Herbal Plant and Acidifier. The International Conference on Animal Health and Human Safety.
6-8 December, Putrajaya, Malaysia.pp: 103-105.
11. Maroufyan, E., A. Kasim,M. Ebrahimi,T. C. Loh,Hair Bejo, **H.Davoodi** and
S. R.Hashemi. 2010. Plasma fatty acid profile response to different dietaryomega-6 to omega-3 ratio in IBD challenged broiler chickens. 22nd Veterinary Association Malaysia & 4th Wildlife Society of Zoo and Wildlife Medicine. 30th July -1st August. Kuala Lumpur.pp:317-319.
12. Hashemi, S. R., I. Zulkifli, Z. Zunita, M. Hair-Bejo, T. C. Loh, and **H.Davoodi**. 2011. Alternative Treatment with New Antibiotic Replacements in Salmonella Challenged Broiler Chickens. 5th Iranian Congress of Clinical Microbiology. November 8-10, 2011. Shiraz, Iran.
13. Hashemi, S. R., I. Zulkifli, Z. Zunita, M. Hair-Bejo, T. C. Loh, and **H. Davoodi**. 2011. Alternative Treatment with New Antibiotic Replacements in Salmonella Challenged Broiler Chickens. 5th Iranian Congress of Clinical Microbiology. November 8-10, 2011. Shiraz, Iran. pp: 52.
14. Hashemi, S. R., I. Zulkifli, **H.Davoodi**, M. Hair-Bejo and T. C. Loh. 2012. Effect of Phytogenic and Acidifier Feed Additives on Meat pH and Vital Organ Size in Broiler Chickens. 3rd International Veterinary Poultry Congress. 22-23 February, 2012. Tehran. Iran.
15. JafariAhangari, Y., S. R. Hashemi, A. Aklaghi, Z. Esmaili, M. Ghorbani, A. Mehmandoyi, R. Mastani, A. Azadegan and **H. Davoodi**. 2012. Effect of in ovo injection of royal jelly on heterophil to lymphocyte ratio of broiler chickens challenged with Newcastle disease viruses. 11th Asian Apicultural Association Conference, ApiExo& Workshop.28th Sep - 2nd Oct, 2012. Kuala Terenganu, Malaysia. pp 43.
16. JafariAhangari, Y., S. R. Hashemi, A. Aklaghi, Z. Esmaili, M. Ghorbani, A. Mehmandoyi, R. Mastani, A. Azadegan and **H. Davoodi**. 2012. Effect of in ovo feeding of natural bioactive compound from ApisMelliferaon immune responses of broiler chickens challenged with Newcastle disease viruses. 11th Asian Apicultural Association Conference, ApiExo& Workshop.28th Sep - 2nd Oct. Kuala Terenganu, Malaysia. pp 42.
17. Jahanpour S, K. Ghazi Saesi, **Davoodi** **H.**, Ghaemi E. 2013. Anti-tuberculosis activity of some medicinal plants used in traditional medicine in north of Iran. 14th International Iranian Congress of Microbiology.28-30 August.Tehran-Iran.pp 627
18. Jahanpour, S., K. Ghazi Saesidi, **Davoodi** **H.**, Ghaemi E. 2013. Anti-tuberculosis activity of some medicinal plants used in traditional medicine in north of Iran. The 2th Iranian Congress of Medical Bacteriology .Tehran-Iran.pp440
19. Davoodi H, Mazandarani M, Shakeri F, Javid N, klishadi M, Jahanpour S, Ghaemi E. Antibacterial and anti inflammatory effect of Punica granatum peel extract against Mycobacterium tuberculosis. Iranian journal of immunology. 12th International Congress of Immunology & Allergy of Iran. Tehran-Iran. Iranian. J .Immunol. 11; PP 606
20. Hashemi, S. R.and Davoodi H**.** 2014. New generation of natural bioactive compounds as immunostimulators. "World Conference on Health Science" Turkey.  23-27 April 2014.
21. **هما داوودی**، لیلا پاداش. بررسی اثر بخشی ارائه درس ایمنی شناسی با استفاده از الگوآموزش گروهی توسط همتایان دانشجویان کارشناسی ارشد دانشگاه علوم پزشکی گلستان .چهاردهمین همایش کشوری آموزش علوم پزشکی. اردیبهشت 1392 . صفحه 450
22. هما داودی. شناخت ارزشهای اخلاقی و معرفت شناسی در ارائه درس ایمنی شناسی دانشجویان پزشکی. پانزدهمین همایش کشوری آموزش علوم پزشکی. فصلنامه مرکز مطالعات و توسعه آموزش دانشگاه علوم پزشکی شهید صدوقی یزد. اردیبهشت 1393.صفحه 168