

Curriculum Vitae

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EDUCATION

PhD, Medical Parasitology, School of Public Health & Institute of Public Health Research, Tehran University of Medical Sciences, Tehran, IRAN, 2000.

MSPH, Medical Parasitology, School of Public Health & Institute of Public Health Research, Tehran University of Medical Sciences, Tehran, IRAN, 1992.

B.Sc., Public Health, School of Public Health & Institute of Public Health Research, Tehran University of Medical Sciences, Tehran, IRAN, 1989.

PROFESSIONAL EXPERIENCE

2013-present: Professor, Dept of Parasitology, School of Medicine, KMU, Kerman, Iran.

2013-present: Director, Center for Hydatid Disease in Iran, Kerman University of Medical Sciences, Kerman, Iran.

2013-2018: KMU Vice-Chancellor for Education, Kerman University of Medical Sciences, Kerman, Iran.

2015-present, Executive Board Member, World Association of Echinococcosis (WAE).

2021-present, Member, National Expert Committee for Echinococcosis, Center for Communicable Diseases Control, Iranian CDC, Ministry of Health and Medical Education.

2018-2019, KMU Chancellor advisor for quality and innovation in education and training.

2022-present, Associate Editor, Frontiers in Public Health; Frontiers in Medicine.

2018-present, Editorial Board member, Frontiers in Microbiology.

2011-present, Review editor for 85 well-known international journals in the field.

2013: Director, Education Affairs, Institute for Futures Studies, Kerman, Iran.

2013: Chairman, Scientific Committee, 5th National Medical Sciences Olympiad in Iran. Kerman, Iran. Sept. 7-12, 2013.

2012: Chairman, Scientific Committee, 1st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran. Kerman, Iran. Oct. 16-18, 2012

2010-2011: Visiting Research Scholar, Dept of Veterinary Integrative Biosciences, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, Texas, United States.

2008-2013: Associate Professor, Dept of Parasitology, KMU, Kerman, Iran.

2007-2013: Dean of Post Graduate Studies, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran.

2006-2010: Dean of the University Post Graduate Studies, Vice Chancellor for Education, KMU, Kerman, Iran.

2006-2010: Head, KMU Central Library & Scientific Documents.

2009-2010: Editor-in-Chief, Strides in Development of Medical Education, ISSN: 2008-272-X, <http://sdmejournal.com>

2008-present, Editorial Board member, Strides in Development of Medical Education, ISSN: 2008-272-X, <http://sdmejournal.com>

2008-present: Academic Member, Dept of Medical Education, Education Development Center, Vice Chancellor for Education, KMU, Kerman, Iran.

2006-2008: Head, Department of Laboratory Medical Sciences, School of Paramedics, KMU, Kerman, Iran.

2003: Immuno / Serodiagnostics training course, Institute of Parasitology, University of Zurich, Zurich, Switzerland.

2001-2005: Managing Director of KMU Research Affairs, KMU, Kerman, Iran.

2001: WHO/TDR training course on Bioinformatics in Tropical Medicine, International Center of Genetic Engineering and Biotechnology (ICGEB), New Delhi, India.

2000-2008: Assistant Professor, Dept of Parasitology, KMU, Kerman, Iran.

1999: Molecular Epidemiology course, Visiting Researcher, WHO Collaborating Center for Molecular Epidemiology of Parasitic Infections, Division of Veterinary Studies, Murdoch University, Perth, Australia.

1993-1994: Managing Director of KMU Research Affairs, KMU, Kerman, Iran.

PROFESSIONAL SOCIETY MEMBERSHIP

World Association of Echinococcosis, 2009-present

American Society of Parasitologists, 2014-present

International Society for Infectious Diseases, 2011-present

World Association of Medical Editors, 2009-present

Iranian Society of Parasitology, 1997-present

Iranian Epidemiological Society, 2006-present

RESEARCH INTERESTS

(**ResearcherID:** C-4636-2008; **ORCID:** 0000-0003-3257-5389)

Echinococcosis and hydatid disease, Molecular epidemiology, Biology and development, Clinical registry, Transmission and Control, Diagnosis and Management

Neglected Zoonotic Diseases

Molecular Epidemiology of Parasitic Infections (Parasitic zoonoses e.g. Taeniasis, Toxocariasis, Cryptosporidiosis, Giardiasis, Toxoplasmosis, etc.).

Systematics of parasitic organisms and snails of medical and veterinary importance

Teaching parasitology

Prevention and control of zoonotic tropical diseases

Quality assurance in higher education

SCIENTIFIC PUBLISHING

Editorial contribution

Associate Editor, Review Editor: Frontiers in Public Health, Frontiers in Medicine, Frontiers in Microbiology

Reviewer for more than 85 international peer-reviewed journals including:

The Lancet Infectious Diseases

The Lancet Regional Health

American Journal of Tropical Medicine and Hygiene

Scientific Reports

Antimicrobial Agents and Chemotherapy

Infection and Immunity

PLoS Neglected Tropical Diseases

PLoS One

Infection, Genetics and Evolution

Zoonoses and Public Health

International Journal for Parasitology

Parasitology

Veterinary Parasitology

Parasitology Research

Acta Tropica

Parasites & Vectors

Journal of Helminthology

Experimental Parasitology

Parasite

Preventive Veterinary Medicine

Small Ruminants Research

International Journal of Nanomedicine

Royal Society Interface

BMC Genomics

BMC Infectious Diseases

Transboundary and Emerging Diseases

Books & Chapter in Book

- Deplazes, P., Rinaldi, L., Rojas, C.A., Torgerson, P.R., Harandi, M.F., Romig, T., Antolova, D., Schurer, J.M., Lahmar, S., Cringoli, G. and Magambo, J., 2017. Global distribution of alveolar and cystic echinococcosis. In: *Advances in Parasitology*, pp.315-493, (ISBN 978-012-802-467-6).
- Ashford RW & Crew W., *The Parasites of Homo sapiens*, Translated by Kia E.B., Fasihi Harandi M., Nasiri V., TUMS Press, Tehran University of Medical Sciences, Tehran, 2010. (ISBN 978-600-156-001-9).
- World Health Organization, *WHO Manual of Basic (Parasitology) Techniques for a Health Laboratory*, Translated by Fasihi Harandi M., & Amini E., Roshan Ketab, Tehran, 2008. (ISBN 978-964-989-392-1).

Research articles [ORCID: 0000-0003-3257-5389 ; ResearcherID: C-4636-2008]

- Hadipour M, Darani HY, Talebzadeh H, Eslamian M, Aboutalebian S, Harandi MF, Mirhendi H. Sensitive detection of specific cell-free DNA in serum samples from sheep with cystic echinococcosis. *PLOS Neglected Tropical Diseases*. 2023;17(10):e0011715.
- Nasibi S, Mojarrab S, Lashkarizadeh MR, Shafiei M, Saedi Dezaki E, ..., Fasihi Harandi M; Iranian Hydatid Disease Registry: Establishment and Implementation of a Neglected Tropical Disease Registry, *Archives of Iranian Medicine*, 26 (7):358-364.
- Shamsaddini S, Samareh Fekri M, Shafiepour M, Kamyabi H, Aghassi H, Borhani M, Babaei Z, Harandi MF. Lophomonas Infection in Patients with Respiratory Diseases in Southeastern Iran Using Wet Mount, Giemsa and Trichrome Staining. *Current Respiratory Medicine Reviews*, 2023, 19(4): 296-300.
- Shafiee M, Nasibi S, Lashkarizadeh MR, Fasihi Harandi M. Fascioliasis associated with chronic cholecystitis in a woman from Sistan and Baluchestan

- province, a non-endemic region in Southeastern Iran. *BMC Infectious Diseases*. 2023 May 19;23(1).
- Rashno Z, Rismani E, Ghasemi JB, Mansouri M, Shabani M, Afgar A, Dabiri S, Rezaei Makhouri F, Hatami A, Harandi MF. Design of ion channel blocking, toxin-like Kunitz inhibitor peptides from the tapeworm, *Echinococcus granulosus*, with potential anti-cancer activity. *Scientific Reports*. 2023 Jul 15;13(1):11465.
 - Sharbatkhori M, Nasibi S, Mohammadi MA, Aryaeipour M, Raeghi S, Fasihi Harandi M. Morphological and molecular characterization of *Fasciola* isolates from livestock in Golestan province, northern Iran. *Veterinary Medicine and Science*. 2023;9:1824–1832.
 - Mohammadi MA, Mansouri M, Derakhshani A, Rezaie M, Borhani M, Nasibi S, Mousavi SM, Afgar A, Macchiaroli N, Rosenzvit MC, Harandi MF. MicroRNA-Transcription factor regulatory networks in the early strobilar development of *Echinococcus granulosus* protoscoleces. *BMC genomics*. 2023,24(1):114.
 - Borhani M, Fathi S, Harandi MF, Simsek S, Ahmed H, Wu X, Liu M. *Trichinella* infections in animals and humans of Iran and Turkey. *Frontiers in Medicine*. 2023;10:1088507.
 - Hadipour M, Fasihi Harandi M, Mirhendi H, Yousofi Darani H. Diagnosis of echinococcosis by detecting circulating cell-free DNA and miRNA. *Expert Review of Molecular Diagnostics*. 2023;23(2):133-142.
 - Li H, Liu T, Yang Y, Cho WC, Flynn RJ, Harandi MF, Song H, Luo X, Zheng Y. Interplays of liver fibrosis-associated microRNAs: Molecular mechanisms and implications in diagnosis and therapy. *Genes & Diseases*. 2023 Jul 1;10(4):1457-69.
 - Mariki A, Barzin Z, Fasihi Harandi M, Karbasi Ravari K, Davoodi M, Mousavi SM, Rezakhani S, Nazeri M, Shabani M. Antigen B modulates anti-inflammatory cytokines in the EAE model of multiple sclerosis. *Brain and Behavior*. 2023;13(2):e2874.
 - Derakhshani A, Mousavi SM, Rezaei M, Afgar A, Keyhani AR, Mohammadi MA, Dabiri S, Fasihi Harandi M. Natural history of *Echinococcus granulosus* microcyst development in long term in vitro culture and molecular and morphological changes induced by insulin and BMP-4. *Frontiers in Veterinary Science*. 2023;9:1068602.
 - Fotoohi S, Radfar MH, Afgar A, Harandi MF. Anti-echinococcal effects of sumac, *Rhus coriaria*, in a murine model of cystic echinococcosis: Parasitological and molecular evaluation. *Experimental Parasitology*. 2022;243:108406.
 - Badri M, Olfatifar M, KarimiPourSaryazdi A, Zaki L, Madeira de Carvalho LM, Fasihi Harandi M, Barikbin F, Madani P, Vafae Eslahi A. The global prevalence

- of Spirometra parasites in snakes, frogs, dogs, and cats: A systematic review and meta-analysis. *Veterinary Medicine and Science*. 2022;8(6):2785-805.
- Bazargan N, Lari AN, Borhani M, Fasihi Harandi M. Allergic asthma manifestations in human and seropositivity to *Toxocara*, a soil-transmitted helminth of carnivores: A case-control study and scoping review of the literature. *Frontiers in Medicine*. 2022;9:920182.
 - Haghdoost AA, Fasihi Harandi M. Proposed Strategies for Retaining and Maintaining Skilled Human Resources in the Field of Health. *Iranian Journal of Culture and Health Promotion*. Academy of Medical Sciences of Iran 2022;6(2):219-23.
 - Ghasemirad H, Bazargan N, Shahesmaeili A, Harandi MF. Echinococcosis in immunocompromised patients: A systematic review. *Acta Tropica*. 2022 232:106490.
 - Fani M, Fuerst PA, Mosayebi M, Javadi A, Harandi MF, Saraei M, Badri M, Hajjalilo E. Molecular identification and phylogenetic analysis of free-living amoeba in the water resources of Arak, Iran. *Journal of Water and Health*. 2022;20(7):1051-63.
 - Farzadfar F, Naghavi M, Sepanlou SG, Moghaddam SS, Dangel WJ, Weaver ND, Aminorroaya A, Azadnajafabad S, Koolaji S, Mohammadi E, Rezaei N, ... Harandi MF, ... Kianipour N, Kolahi AA, Maali AH, Mahdavi M Health system performance in Iran: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2022;399(10335):1625-45.
 - Jorjani M, Moghaddamnia SH, Assadi M, Ghanbari H, Fasihi Harandi M, Nabipour I. Strategies for the Future of Medicine in Iran Based on a Scenario Planning. *Iranian South Medical Journal*. 2022;25(1):50-79.
 - Mowlavi G, Shirani S, Askari Z, Dupouy-Camet J, Kacki S, Harandi MF, Kargar F, Bizhani N, Naddaf SR. Dual-source dual-energy CT-scan confirms the diagnosis of ancient hydatid cysts recovered from a Late Roman burial in Amiens, France. *Iranian Journal of Parasitology*. 2022;17(2):194.
 - Liu T, Li H, Li Y, Wang L, Chen G, Pu G, Guo X, Cho WC, Fasihi Harandi M, Zheng Y, Luo X. Integrative analysis of Rna expression and regulatory networks in mice liver infected by *echinococcus multilocularis*. *Frontiers in Cell and Developmental Biology*. 2022;10:798551.
 - Shamsaddini S, Ahmadi Gohari M, Kamyabi H, Nasibi S, Derakhshani A, Mohammadi MA, Mousavi SM, Baneshi MR, Hiby E, Harandi MF. Dynamic modeling of female neutering interventions for free-roaming dog population management in an urban setting of southeastern Iran. *Scientific Reports*. 2022 12(1):1-4.

- Khan H, Casulli A, Harandi MF, Afzal MS, Saqib MA, Ahmed H. A Retrospective Cohort Study on Human Cystic Echinococcosis in Khyber Pakhtunkhwa Province (Pakistan) Based on 16 Years of Hospital Discharge Records. *Pathogens*. 2022 11(2):194.
- Mohammadi MA, Afgar A, Faridi A, Mousavi SM, Derakhshani A, Borhani M, Harandi MF. Transient Transduction of the Strobilated Forms of *Echinococcus granulosus*. *JoVE (Journal of Visualized Experiments)*. 2022;187:e62783.
- Borhani M, Bazargan N, Eslami S, Fathi S, Harandi MF. Cystic Echinococcosis in Child-ren: Addressing Research Needs, Filling Knowledge Gaps. *International Journal of Echinococcoses*. 2022;1(2):49-53.
- Yue Sun, Yongjie Kou, Xuedong He, Yuting Yan, Xiaola Guo, Xing Yang, Naipu He, William C. Cho, Ivan Kuttyrev, Majid Fasihi Harandi, Omnia M. Kandil, Xiaoqiang Wang, Houhui Song, Yadong Zheng. Efficient delivery of *Echinococcus multilocularis* miRNAs using chitosan nanoparticles. *Biomedicine & Pharmacotherapy*, 2022, 150: 112945. DOI: 10.1016/j.biopha.2022.112945.
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- Guo X, Zhang J, Li R, Li H, He X, Wang S, Wang Z, Harandi MF, Hu J, Zheng Y. Molecular cloning and functional characterization of a thioredoxin peroxidase gene in *Echinococcus multilocularis*. *Molecular and Biochemical Parasitology*. 2021, 245:111408.
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- Cai M, Ding J, Li Y, He G, Yang J, Liu T, Guo X, Yang X, Wang X, Cho WC, Harandi MF. *Echinococcus multilocularis* infection induces UBE2N suppression via exosomal emu-miR-4989. *Acta Tropica*. 2021, 223:106087.
- Faridi A, Mansouri M, Macchiaroli N, Afgar A, Mousavi SM, Rosenzvit MC, Harandi MF. MicroRNA profile of the strobilated worms of *Echinococcus granulosus* derived from in vivo and in vitro systems by using high-throughput approach. *Parasitology Research*. 2021; 120:3203-3214.

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- Shiee MR., Kia E.B., Zahabiun F., Naderi M., Motevaseli E., Harandi MF., Dehpour AR. In vitro effects of tropisetron and granisetron against *Echinococcus granulosus* (s.s.) protoscoleces by involvement of calcineurin and calmodulin. *Parasites Vectors*. 2021; 14:197
- Wang L., Liu T., Chen G., Li Y., Zhang S., Mao L., Liang P., Fasihi Harandi M., Li T., Luo X. Exosomal microRNA let-7-5p from *Taenia pisiformis* Cysticercus Prompted Macrophage to M2 Polarization through Inhibiting the Expression of C/EBP δ . *Microorganisms* 2021, 9, 1403.
- Firouzeh N., Eslaminejad T., Shafiei R., Faridi A., Harandi MF. Lethal in vitro effects of optimized chitosan nanoparticles against protoscoleces of *Echinococcus granulosus*. *Journal of Bioactive and Compatible Polymers*. 2021; 1-12.
- Khan H., Zahoor S., Afzal MS., Khan A., Kaleem I., Shah NA., Harandi MF. and Ahmed H. Occurrence of Massively Enlarged Multiple Hydatid Cysts in the Lung and Liver of a Pediatric Patient in Pakistan. *Iranian Journal of Parasitology*. 2021; 16(2): 339-342.
- Salari E, Karimi J, Harandi MF, Nameghi HS. Comparative infectivity and biocontrol potential of *Acroboloides k29* and entomopathogenic nematodes on the leopard moth borer, *Zeuzera pyrina*. *Biological Control*. 2021 Apr 1;155:104526.
- Goudarzi R, Fasihi Harandi M, Tasavon Gholamhoseini M, Ebrahimipour M. The Cost of Training Medical Parasitology and Mycology Students at Kerman University of Medical Sciences. *Strides in Development of Medical Education*. 2021
- Nasibi S, Moghaddam AS, Ziaali N, Akhlaghi E, Mohammadi MA, Hanafi-Bojd AA, Harandi MF. Molecular, Morphological, and Spatial Study of *Galba schirazensis* (Pulmonata, Lymnaeidae) from Southeastern Iran. *Iranian Journal of Parasitology*. 2021 Jan;16(1):52.
- Aisha KH, Tariq M, Simsek S, Afzal MS, Harandi MF, Shahzad AL, Shabbir RM, Ahmed H. Neglected Tropical Diseases in Pakistan: A Story of Neglect. *Iranian Journal of Parasitology*. 2020 Dec 7;15(4):618-20.
- Fathian F, Shakibi MR, Fasihi Harandi M, Ahmadipour H, Mobasher M. Patients' and Physicians' Viewpoints on Interns' Professional Outfit: A Survey in an Iranian Teaching Hospital. *Strides in Development of Medical Education*. 2020 Dec 1;17(1).

- Dehghani M, Mohammadi MA, Hemmati S, Nasibi S, Rostami S, Harandi MF. Cystic Echinococcosis of Camels: 12S rRNA Gene Variation Revealed Changing Pattern of Genetic Diversity Within *Echinococcus granulosus sensu lato* in the Middle East and North/Sub-Saharan Africa. *Frontiers in Veterinary Science*. 2020;7, doi: 10.3389/fvets.2020.00618.
- Mortezaei S, Afgar A, Sadeghi B, Mohammadi MA, Mousavi SM, Harandi MF. Comparative analysis of miRNA expressions in different developmental stages of *Echinococcus granulosus* in mono-phasic and di-phasic culture systems. *Infect Disord Drug Targets*. 2020, doi: 10.2174/1871526520999201103192518.
- Noordin R, Khanbabaie S, Yunus MH, Marti H, Nickel B, Harandi MF, Nasibi S. Evaluation of the Diagnostic Performance of Recombinant Antigen B1 for Detection of Cystic Echinococcosis Using Lateral Flow Dipstick Test. *Iranian Journal of Parasitology*. 2020, 15(3):290.
- Faridi A, Afgar A, Mousavi SM, Nasibi S, Mohammadi MA, Farajli Abbasi M, Fasihi Harandi M. Intestinal expression of miR-130b, miR-410b, and miR-98a in experimental canine echinococcosis by stem-loop RT-qPCR. *Frontiers in Veterinary Science*. 2020, 26(7):507.
- Riahi M, Mohammadi MA, Afgar A, Kamyabi H, Nasibi S, Harandi MF. Quantifying the load of *Echinococcus granulosus* eggs in experimental dog infection using probe-based copro-qPCR analysis. *Journal of Parasitic Diseases*. 2020 doi: 10.1007/s12639-020-01265-xSep 2:1-7.
- Rostami M, Fasihi-Harandi M, Shafiei R, Aspatwar A, Derakhshan FK, Raeghi S. Genetic diversity analysis of *Blastocystis* subtypes and their distribution among the domestic animals and pigeons in northwest of Iran. *Infection, Genetics and Evolution*. 2020 doi: 10.1016/j.meegid.2020.104591
- Nosratabadi SJ, Roodbari NH, Afgar A, Modarresi MH, Farsinejad A, Harandi MF. In vitro effects of glutathione on Transforming Growth Factor beta and epidermal Growth Factor Receptor genes expression in the protoscoleces and strobilated worms of *Echinococcus granulosus*. *Gene Reports*. 2020, 18:100786.
- Ebrahimipour M, Budke CM, Harandi MF, Control of Cystic Echinococcosis in Iran: Where Do We Stand? *Trends in Parasitology*, 2020, 36(7):578-581.
- Borhani M, Fathi S, Lahmar S, Ahmed H, Abdulhameed MF, Harandi MF, Cystic echinococcosis in the Eastern Mediterranean region: Neglected and prevailing! *PLoS Negl Trop Dis*, 2020, 1-3. Doi: 10.1371/journal.pntd.0008114.
- Nosratabadi SJ, Roodbari NH, Modarresi MH, Farsinejad A, Harandi MF. The Effect of Alpha-Tocopherol on the Expression of Epidermal Growth Factor Receptor and Transforming Growth Factor Beta Genes in Three Developmental Stages of *Echinococcus granulosus*. *Iranian Journal of Parasitology*. 2020, 15(2):168-76.

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- Patients with Multi-Organ Involvement: Mixed Infections by Different Strains. Vector-Borne and Zoonotic Diseases. 2019; doi: 10.1089/vbz.2018.2427.
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 - Tirgari B, Harandi MF, Haghdoost AA, Sharififar F. Developing performance indicators in basic science departments to provide a post graduate performance dashboard at Kerman University of Medical Sciences. *Teb-va-Tazkiyeh*. 2018; 27(3):157-168.
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