

Curriculum Vitae

Hormoz Solatzadeh, DVM , MSc

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Education

Doctor of Veterinary Medicine (DVM)

Shahid Bahonar University of Kerman, Iran

Doctoral Thesis: *Phylogenetic Typing and Determination of Antibiotic Resistance Patterns of Escherichia coli Isolates from Human Urinary Tract Infection Samples in Kerman, Iran*

Master of science (MSc) in Medical Biotechnology

Shahid Sadoughi University of Medical Science

Doctoral Thesis: *Investigation of the expression of the NR5A2 gene, MicroRNA-139-5p, and LncRNA CDKN2B-AS1 as a competing endogenous RNA (ceRNA) network involved in the ferroptosis pathway in patients with colorectal cancer*

Professional Experience

- **Veterinary Network Deputy Director and Poultry GIS Officer**
Veterinary Network of Zarand County, Kerman Province
- **Veterinarian – Broiler Breeder Farm**
Simorgh Poultry Company, Bardsir, Kerman
Responsible for health management and veterinary supervision of breeder flocks.
Completed a 3-month internship at Simorgh Pullet Rearing Farm in Buin Zahra.
- **Pharmaceutical Department Manager**
Zhobin Shimi Kalium Co.
(Pharmaceutical Raw Materials Import and Trading Company)
Managed the pharmaceutical department and regulatory affairs.

Responsible for communications with the Iranian Food and Drug Administration (FDA).
Supervised pharmaceutical product registration and related regulatory processes.

- **Private Veterinary Practitioner**

Owner and Responsible Veterinarian

Veterinary Clinic and Vaccination Center, Baft, Kerman

Founder and license holder of the clinic.

Responsible for veterinary healthcare services, vaccination programs, and clinical management.

Technical Skills

Information Technology

Certified in:

- Network+
- Cisco Certified Network Associate (CCNA)
- VMware
(Certificates obtained from IZ Iran Institute.)

Biotechnology

- APPLIED BIOINFORMATICS
- Programming with Python and Biopython for Bioinformatics
- Applied R Programming: Biological Data Analysis
- CRISPR-CAS9 MASTER CLASS: DESIGN, STRATEGY & ANALYSIS
- PROTEIN STRUCTURE MODELING & MOLECULAR DOCKING
- RECOMBINANT PROTEIN EXPRESSION AND PURIFICATION: MICROBIAL SYSTEM
- ADVANCED MOLECULAR CLONING TECHNIQUES FOR SYNTHETIC BIOLOGY AND GENETIC ENGINEERING
(Nexintek Education Inc.)

Languages

English

Proficient in English

Research Publications and Conference Presentations

Journal Articles

- Adib, N., Solatzadeh, H., Ghanbarpour, R., & Alizadeh, H. (2014). Genotyping, Phylogenetic Analysis, and Antibiotic Resistance of *Escherichia coli* Isolated from Human Urinary Tract Infections in Kerman, Iran. *Tropical Biomedicine*, pp. 17–25.
- Nafchi, H.M., Solatzadeh, H., Hajimaghsoudi, E. *et al.* Personalizing cancer therapy: the role of pharmacogenetics in overcoming drug resistance and toxicity. *Mol Biol Rep* **52**, 785 (2025). <https://doi.org/10.1007/s11033-025-10887-4>
- Babakhanzadeh, E., Khodadadian, A., Esmaeili Dahaj, F. *et al.* Hsa-circ_0081481-miR 3960-FBXO24 regulatory axis in non-obstructive azoospermia identifies potential biomarkers of spermatogenic failure. *Sci Rep* (2026). <https://doi.org/10.1038/s41598-026-49620-x>

Conference Proceedings and Presentations

- Adib, N., Ehsan, M.R., & Solatzadeh, H. (2013). *Report of Congenital Skeletal Abnormalities in Broiler Chickens*. AAV Congress, Jacksonville, Florida, USA.
- Ghanbarpour, R., Salehi, M., Solatzadeh, H., Adib, N., & Ehsan, M.R. (2012). *Genotyping of Escherichia coli Isolated from Fecal Samples of Healthy Pet Parrots*. Third International Poultry Veterinary Congress, Tehran, Iran (Poster Presentation).
- Ehsan, M.R., Solatzadeh, H., Adib, N., Faghiri, E., & Arazi, S. (2011). *Investigation of Pathogenic Bacteria in Post-Surgical Discharges of Small Animals*. Third International Veterinary Surgery Congress, Kish Island, Iran.
- Adib, N., & Solatzadeh, H. (2010). *Phylogenetic Analysis and Virulence Genes of Escherichia coli Isolated from Septicemic and Healthy Broiler Chicks in Southeast Iran (Kerman)*. 7th Iranian Veterinary Students Congress, Shiraz, Iran (Oral Presentation).
- Solatzadeh, H. (2010). *Detection of Adhesion-Encoding Genes in Escherichia coli Isolated from Avian Omphalitis Cases*. 7th Iranian Veterinary Students Congress, Shiraz, Iran (Poster Presentation).

Workshops

Participant, *Hoof Care and Repair in Dairy Cattle Workshop*

Instructor: Dr. Iraj Norouzian

Held during the Second International Symposium of Veterinary Surgery and the Seventh Iranian Symposium on Veterinary Surgery, Anesthesia, and Radiology.
