



Tabriz University of Medical Sciences (TUOMS)
School of Medicine

Curriculum Vitae

Personal Data:

First name: Adel

Last name: Spotin

Nationality: Iranian

Date of birth: December 1981

Place of birth: Tabriz City

Marital status: Married

Specialty: Helminthology

Academic rank: Associate professor

Department/Research Center: Dep. Of Parasitology and Mycology, Tabriz University of Medical Sciences

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Scopus ID: 54416426700

Researcher ID: C-2275-2015

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Fields of interest

Immunoparasitology, Nano-drugs delivery systems, Phylogenetic analyses, Population Genetic structure, Hydatidosis, Leishmaniasis

Skills: (language, software...)

- Persian
- Azerbaijani
- English
- Turkish
- Bioinformtic softwares/ GrapgPad Prism.

Educational Background:

Date	Degree	Institution	Country
2007	B.Sc, Medical Laboratory	Paramedical University of Tabriz	Iran
2009	M.Sc, Medical Parasitology	Mashhad University of Medical Sciences	Iran
2012	Ph.D, Medical Parasitology	Shahid Beheshti University of Medical Sciences	Iran

Sabbaticals:

Start and End Date (month/year)	Details
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Thesis

Degree	Title
M.Sc	Scolicidal and apoptotic activities of albendazole sulfoxide and albendazole sulfoxide-loaded PLGA-PEG as a novel nanopolymeric particle against <i>Echinococcus granulosus</i>
M.Sc	Introducing nitazoxanide as a promising alternative treatment for symptomatic to metronidazole-resistant giardiasis in clinical isolates
M.Sc	Molecular characterization of <i>Fasciola hepatica</i> and phylogenetic analysis based on mitochondrial (nicotiamide adenine dinucleotide dehydrogenase subunit I and cytochrome ...
M.Sc	Tumor suppressor p53 induces apoptosis of host lymphocytes experimentally infected by <i>Leishmania major</i> , by activation of Bax and caspase-3: a possible survival mechanism for the parasite
M.Sc	The potential role of toll-like receptor 4 Asp299Gly polymorphism and its association with recurrent cystic echinococcosis in postoperative patients
M.Sc	Gene migration for re-emerging amebiasis in Iran's northwest-Iraq borders: a microevolutionary scale for reflecting epidemiological drift of <i>Entamoeba histolytica</i> metapopulations
M.Sc	Nanostructured lipid carriers of ivermectin as a novel drug delivery system in hydatidosis
M.Sc	Genetic variability and transcontinental sharing of <i>Giardia duodenalis</i> infrapopulations determined by glutamate dehydrogenase gene
M.Sc	Parasite-derived microRNAs in plasma as novel promising biomarkers for the early detection of hydatid cyst infection and post-surgery follow-up
Ph.D	Spermatogenic and Phylo-molecular Characterizations of Isolated <i>Fasciola</i> Spp. From Cattle, North West Iran

Educational experience

Teaching

Date (month/year)	Course Name, Venue (Institution, Address)
1 October 2015 to 2020 (Ongoing)	Medical Parasitology, Tabriz university of medical sciences, Iran

Workshop(s)

Date (month/year)	Course Name, Venue (Institution, Address)
Spss 15/Oct 2015	Tabriz university of medical sciences, Iran

Lecture(s)

Date (month/year)	Details

Research Activities:

Research areas, Interests

1-Phylogenetic analysis, Molecular Taxonomic of Parasites, Population genetic structure of parasites, Innate Immunity against parasites

2- Mononuclear cell culturing, Sequencing analyzing

Parasite culturing, staining, Antigèn preparation, morphometric Analysing

Different methods of DNA and RNA extraction, cDNA synthesis

Developing RT-PCR, RFLP-PCR, LAMP, Nested PCR, Multiplex PCR, and Real-time PCR

6. Deposition of 238 sequences of *Leishmania*, *Echinococcus*, *Fasciola hepatica*, and *Cryptosporidium* in the GenBank database based on following link:

<https://www.ncbi.nlm.nih.gov/nuccore/?term=spotin>

Books:

N	Title	authors	Publisher	Authorship/ Translation/
1	Current topics in Echinococcus (English language)	<u>Spotin A</u>	Rijeka, Croatia, InTech press, July 2015	writing
2	Compréhensive Parasitology for médical students, Shervin presss, Tabriz,	Fallah E, Shahbazi A, <u>Spotin A</u>	Shervin presss, Tabriz, Iran, 2014 <u>(Persian language)</u> .	writing

Selected articles:

N	Title	authors	Journal	Year	Indexed in (Scopus, Medline, WOS,)
1	. Designing and conducting in silico analysis for identifying of <i>Echinococcus</i> spp. with discrimination of novel haplotypes: an approach to better understanding of parasite taxonomic.	<u>A Spotin</u> , S Gholami, AN Nasab, E Fallah, MM Oskouei, Shahbazi A	Parasitology Research,	2015	ISI
2	Different Unexpected Amastigote Shapes of <i>Leishmania major</i> with no Molecular Diversity in a Neglected Focus of Zoonotic Cutaneous Leishmaniasis, Iran.	<u>A Spotin</u> , S Rouhani, Pt Ghaemmaghani, A Haghighi, M R Zolfaghari, P Parvizi	Iranian Biomedical Journal.	2015	ISI
3	. The study of apoptotic bifunctional effects in relationship between host and parasite in cystic echinococcosis: a new approach to suppression and survival of hydatid cyst	<u>A Spotin</u> , MMA Majdi, M Sankian, A Varasteh	Parasitology research,	2012	ISI
4	Genetic variability of <i>Echinococcus granulosus</i> complex in various geographical populations of Iran inferred by mitochondrial DNA sequences.	<u>Spotin A</u> , Mahami- Oskouei M, Harandi MF, Baratchian M, Bordbar A,	Acta tropica.	2017	ISI

		Ahmadpour E, Ebrahimi S.			
5	Comparative study of viscerotropic pathogenicity of Leishmania major amastigotes and promastigotes based on identification of mitochondrial and nucleus sequences..	<u>Spotin A,</u> Parvizi P	Parasitology research	2016	ISI
6	. Genetic variability and transcontinental sharing of Giardia duodenalis infrapopulations determined by glutamate dehydrogenase gene.	<u>Spotin A,</u> Karamat M, Mahami-Oskouei M, Shahbazi A, Ahmadpour E, Galeh TM, Fallahi S	Acta tropica	2018	ISI
7	. . Parkinson's disease and Toxoplasma gondii infection: Sero-molecular assess the possible link among patients.. Sep 1;173:97-101	Fallahi S, Rostami A, Birjandi M, Zebardast N, Kheirandish F, <u>Spotin A</u>	Acta tropica	2017	ISI
8	The seroprevalence rate and population genetic structure of human cystic echinococcosis in the Middle East: A systematic review and meta-analysis.	Galeh TM, <u>Spotin A,</u> Mahami-Oskouei M, Carmena D, Rahimi MT, Barac A, Ghoyounchi R, Berahmat R, Ahmadpour E.	International Journal of Surgery	2018	ISI

Research projects:

N	Title	Details
1	Immunization against toxoplasmosis	
2	Immune responses and vaccination against toxoplasmosis	
3	Treatment of hydatid cyst	
4	Molecular phylogeny of parasitic Platyhelminthes	

Positions held: (past- current)

Start and End Date	Job Title, Responsibilities and achievements
2014 to 2019	Assistant professor, Tabriz University of Medical Sciences, Tabriz, Iran,
2019 to now	Associate professor, Tabriz University of Medical Sciences, Tabriz, Iran,
2014 to now (ongoing)	Research Deputy of Parasitology and Mycology Department of Tabriz University of Medical Sciences, Tabriz, Iran

Association Memberships (past and current)

Start and End Date	Job Title, Responsibilities and achievements

Awards and Recognitions

Start and End Date	Details