

**Curriculum Vitae
(Until 10 Mar 2024)**



Personal information:

First Name: Seyedhossein Surname: Hekmatimoghaddam
Date of Birth: Apr 15, 1968 Nationality: Iranian
Gender: Male Title: Dr. (MD), professor of pathology
Marital status: Married, two sons Height: 174 cm, Weight: 67 Kg
E-mail: shhekmati2002@yahoo.com; hekmati@ssu.ac.ir
Office Address: School of paramedicine, Mojtaba Emam Reza, Daneshjoo Blvd., Yazd, Iran. Postal Code: 8916188635. Tel: 0098(35)36285405, Fax: 0098(35)36238561, Mobile phone: 00989133518314.

Personal Interests and Hobbies:

Running, Mountain climbing, Biking, Kung Fu, Volleyball, Table tennis, Music.
Non-smoker, Non-drinker.

H-index= 21 (Scopus, based on 90 documents, citations=1187)

ResearchGate: https://www.researchgate.net/profile/Seyedhossein_Hekmatimoghaddam

ORCID: 000-0001-9859-3753

Scopus ID: 44861209200

Researcher ID: Q-8258-2017

Google Scholar ID: H2Q113kAAAAJ

PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Seyedhossein+Hekmatimoghaddam>

Educational background:

1996-2000: Studied clinical & surgical pathology, School of medicine, Isfahan University of medical sciences, Isfahan, Iran.

1986-1993: Studied medicine, School of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

Certifications:

2000: Specialist in clinical & surgical pathology, Isfahan University of medical science (Board certified, ranked fifth in the country).

1993: Medical Doctor, Shahid Sadoughi University of medical sciences (ranked third in the school).

Professional experience & employment:

January 2024- present: As member of the research council in non-communicable diseases research institute, Shahid Sadoughi University of medical sciences, Yazd, Iran

Jan 2023- present: As member of the publication council, Shahid Sadoughi University of medical sciences, Yazd, Iran

Mar 2021- present: As vice in education development & research, Center for Stem Cell and Regenerative Medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran

Oct 2019- Jan 2023: As member of the governing board of the Center for Stem Cell and Regenerative Medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran

September 2019- present: As director of the private Danesh pathobiology lab, Yazd, Iran.

October 2017- present: As head of the committee on athletics (track and field), Shahid Sadoughi University of medical sciences, Yazd, Iran

September 2017- September 2018: As member of the committee on genetic tests and education, Shahid Sadoughi University of medical sciences, Yazd, Iran

January 2017- present: As member of the budgeting in research, Shahid Sadoughi University of medical sciences, Yazd, Iran

January 2017- present: As associate editor of the Iranian Journal of Pediatric Hematology & Oncology, published by Shahid Sadoughi University of medical sciences, Yazd, Iran

July 2015- present: As a member of the research council in hematology & oncology research center, Shahid Sadoughi University of medical sciences, Yazd, Iran.

July 2015- Jan 2022: As a member of the research council in stem cell biology research center in the Yazd reproductive sciences institute, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2015- May 2016: As a member of the health system research council, vice chancellorship in treatment, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2015- May 2017: As a member of the health technology development council, Shahid Sadoughi University of medical sciences, Yazd, Iran.

November 2014- present: As editorial board member of the International Journal of Medical Laboratory, published by Shahid Sadoughi University of medical sciences, Yazd, Iran

November 2014- present: As vice in research, School of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

August 2014- August 2017: As a member of the research council in the radiology research center, Shahid Sadoughi University of medical sciences, Yazd, Iran.

June 2014-February 2018: As director of the Yazd Central Medical Laboratory, Yazd, Iran.

December 2013- December 2015: As head of the students' research committee, Shahid Sadoughi University of medical sciences, Yazd, Iran.

June 2013- December 2015: As a member of the research council in the students' research committee, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2012- present: As a founding member of the research center for reproductive immunology, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2011- May 2015: Member of the European Association for Cancer Research (EACR).

September 2010- July 2015: As director of lab in Afshar hospital, Shahid Sadoughi University of medical sciences, Yazd, Iran.

June 2010- present: As a member of the education council in the school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

February 2010- December 2015: As a member of the stem cell research committee in Shahid Sadoughi University of medical sciences, Yazd, Iran.

April 2009- present: As a member of the research committee in cardiovascular research center, Shahid Sadoughi University of medical sciences, Yazd, Iran.

Nov 2008- June 2011: As a member of the committee for continuous education, Shahid Sadoughi University of medical sciences, Yazd, Iran.

July 2008- September 2009: Director of the regional center for transfusion medicine in Yazd province, Yazd, Iran.

June 2008- June 2009: Head of the department of laboratory sciences in Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2007- March 2012: As a member of the committee for HSR (Health System Research) policy determination, Shahid Sadoughi University of medical sciences, Yazd, Iran.

March 2006- Jan 2011: As a member of the methodology committee, in the stem cell research department, Yazd infertility research & treatment center, Yazd, Iran.

October 2006- October 2009: As a member of the committee for students' research, Shahid Sadoughi University of medical sciences, Yazd, Iran.

August 2006- March 2011: As a member of the committee for budgeting in research projects, Shahid Sadoughi University of medical sciences, Yazd, Iran.

July 2006- May 2010: As a member of the committee for statistics and methodology in research, paramedicine complex, Shahid Sadoughi University of medical sciences, Yazd, Iran.

Jan 2005- February 2015: As director of the private Pajhoohesh pathobiology lab, Yazd, Iran.

October 2004- May 2008: As a member of the education development center (EDC), Shahid Sadoughi University of medical sciences, Yazd, Iran.

October 2004- May 2010: As a member of the education development office (EDO), school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

September 2004: As a member of the need assessment and strategic planning committees, school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2004- 2016: As a member of the research board in Diabetes Research Center, Shahid Sadoughi University of medical sciences, Yazd, Iran.

May 2004- present: As a member of the research board in school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

April 2003- present: As assistant professor of pathology, Shahid Sadoughi University of medical sciences, Yazd, Iran. [changed to associate professor since March 2015 and to professor since March 2023]

November 2001- June 2008: As director of the Yazd Central (Reference) Medical Laboratory, Yazd, Iran.

March 2001- September 2001: As the director of Mehriz hospital laboratory, Mehriz city, Yazd, Iran.

September 2000-February 2001: As assistant professor of pathology, school of medicine, Isfahan University of medical sciences, Isfahan, Iran.

1996- 2000: As resident of pathology specialty (2.5 years as chief resident), school of medicine, Isfahan University of medical sciences, Isfahan, Iran. (I established the first immunohistochemistry lab in Isfahan during this period, and performed 35 autopsies).

1993-1996: As a general practitioner in rural areas of Yazd province, Iran.

Teaching Experience:

- Teaching of pathology course to the medical students (Year 2002), Azad University, Yazd, Iran.
- Teaching of pathology course to the students of laboratory sciences, since 2003 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of pathology course to the students of operation room technology, since 2003 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of hematology course to the students of laboratory sciences, since 2003 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of laboratory quality assurance course to the students of laboratory sciences, since 2003 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of pathology course to the students of radiology, since 2009 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of medical terminology course to the students of laboratory sciences, since 2011 till present, school of Paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of theoretical and practical pathology course to the students of midwifery, since 2017 till present, school of Nursing and Midwifery, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of documentation in biotechnology labs, to the students of MSc in biotechnology, since 2017 till present, school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of laboratory management and quality assurance course, to the students of PhD in clinical chemistry, since 2020 till present, school of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
- Teaching of pathology course to the medical students, Shahid Sadoughi University of medical sciences, Yazd, Iran
- Teaching of pathophysiology course to the nursing MSc students, Shahid Sadoughi University of medical sciences, Yazd, Iran

Written theses during education:

- 1."Demographic and radiographic study of 100 peptic ulcer patients in educational hospitals of Shahid Sadoughi University of medical sciences", Yazd, 1992.
- 2."Cervicovaginal infections in 2600 Pap smears in Isfahan." Published in the Isfahan Journal of Research in Medical Sciences, No.3, 1998

Approved research projects and proposals:

1. **Hekmatimoghaddam, Seyedhossein.** "Relationship between cyclosporine blood level and serum concentration of creatinine, uric acid, and lipids in renal transplant patients in Yazd." (Approved research project, No., 605), Shahid Sadoughi University of medical sciences, Yazd, Iran.
2. Zandi, Hengameh; **Hekmatimoghaddam, Seyedhossein.** "Comparison of disc diffusion and agar dilution methods with PCR technique for identification of methicilin-resistant staphylococci separated from patients in different hospitals in Yazd." (Approved research project, No., 637), Shahid Sadoughi University of medical sciences, Yazd, Iran.
3. Jafari, Abbasali; Mosaddegh, Mohammad Hossein; **Hekmatimoghaddam, Seyedhossein.** "Evaluation of Aflatoxin M1 contamination of raw and pasteurized milk produced in Yazd "(Approved research project, No.), Shahid Sadoughi University of medical sciences, Yazd, Iran.
4. Kaseb, Fatemeh; Afkhami, Mohammad; **Hekmatimoghaddam, Seyedhossein** "Evaluation of the metabolic responses to olive and almond oils in type II diabetic persons" (Approved research project, No.), Diabetes research center, Shahid Sadoughi University of medical sciences, Yazd, Iran.
5. **Hekmatimoghaddam, Seyedhossein;** Hajihosseini, Pouran. "Evaluation of in vitro antimicrobial effects of gum from *Dorema ammoniacum*, with MIC determination", in the faculty of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
6. **Hekmatimoghaddam, Seyedhossein;** Hajihosseini, Pouran. "Evaluation of in vitro antimicrobial effects of seed from *Dorema ammoniacum*, with MIC determination", in the research center on medicinal herbs, Shahid Sadoughi University of medical sciences, Yazd, Iran.
7. Khalili, Mohammad Ali; Findiki, Nejat; Anvari, Morteza; Fesahat, Farzaneh; **Hekmatimoghaddam, Seyedhossein.** "Evaluation of therapeutic effects of mesenchymal stem cell injection in caudal vein of rats with experimental subarachnoid hemorrhage, by histopathologic, electron microscopy, fluorescence microscopy, and stereomicroscopy", in the research center for infertility, Shahid Sadoughi University of medical sciences, Yazd, Iran.
8. Ebadi, Mohsen; **Hekmatimoghaddam, Seyedhossein.** "Cryptosporidium infestation in stool of patients receiving immunosuppressive drugs in Yazd", in the faculty of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
9. Sazmand, Alireza; Rasooli, Aria; **Hekmatimoghaddam, Seyedhossein;** Noori, Mohammad; Hamidinejat, Hossein. "Biochemical, enzymatic, and hormonal changes in sera of dromedary camel naturally infected with *Trypanosoma evansi*", in the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.
10. Hamidinejat, Hossein; Ghorbanpoor, Masoud; Rasooli, Aria; **Hekmatimoghaddam, Seyedhossein;** Namavari, Mehdi; Sazmand, Alireza "Seroprevalence of *Toxoplasma gondii* and *Neospora caninum* in camels (*Camelus dromedarius*) in center of Iran." In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.
11. Abdollahi, Mohammad Hasan; Foruzan nia, Seyed Khalil; Mirhosseini, Seyed Jalil; Shariatmadari, Mohammad; Abbasi, Hamidreza; Hosseini, Habibollah; Moshtaghion, Seyedhossein; **Hekmatimoghaddam, Seyedhossein;** Ahmadi, Mohammad Hossein. "Evaluation of neuroprotective effect of Magnesium by blood level of S100-B and NSE after CABG", in the faculty of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.
12. Salman Roghani, Hasan; **Hekmatimoghaddam, Seyedhossein.** "Determination of diagnostic potential of serum biomarkers of gastritis (pepsinogen I & II) and serology of *Helicobacter pylori* for evaluation of progress in gastritis in Yazd", in the faculty of medicine, Shahid Sadoughi University of

medical sciences, Yazd, Iran.

13. Shams, Ali; **Hekmatimoghaddam, Seyedhossein**; Javadzadeh, Haiedeh. " Comparison of NKT and CD8+T cells frequency in chronic carriers of hepatitis B virus with healthy individuals", in the faculty of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran.

14. Haji Hajikolayi, Mohammad Rahim; Abdollahpoor, Gholamreza; **Hekmatimoghaddam, Seyedhossein**, Sazmand, Alireza. "Evaluation of the *Leptospira interrogans* infection in dromedary camels and related people in center of Iran". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

15. Sazmand, Alireza; Rasooli, Aria; **Hekmatimoghaddam, Seyedhossein**; Noori, Mohammad; Hamidinejat, Hossein. "Biochemical, enzymatic, and hormonal changes in sera of dromedary camel naturally infected with *Theileria camelensis*". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

16. Haji Hajikolayi, Mohammad Rahim; Ghorbanpoor, Masoud; **Hekmatimoghaddam, Seyedhossein**, Sazmand, Alireza. "*Brucella* infection in Yazd camels." In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

17. Rasooli, Aria; **Hekmatimoghaddam, Seyedhossein**; Noori, Mohammad; Alireza Sazmand. "Evaluation of seasonal changes in some serum biochemical, enzymatic, and hormonal factors of dromedary camel in hot and cold climatic conditions in Yazd province of Iran." In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

18. Hamidinejat, Hossein; Jafari, Hedi; Sazmand, Alireza; **Hekmatimoghaddam, Seyedhossein**. "Study on infection with *Theileria camelensis* in dromedary camels in Yazd province" In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

19. Hamidinejat, Hossein; Jafari, Hedi; Sazmand, Alireza; Mirabdollahi Shamsi, Seyed Mehdi; **Hekmatimoghaddam, Seyedhossein**; Dehghan farashah, Saeid. "Study on Sarcocyst species in slaughtered camels in Yazd province" In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

20. Seifi Abad Shapoori, Masoud Reza; **Hekmatimoghaddam, Seyedhossein**, Sazmand, Alireza. "Study on Bovine Herpes Virus Type 1(BHV1) infection in dromedary camels in Yazd province". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

21. Abdollahi, Mohammad Hasan; **Hekmatimoghaddam, Seyedhossein**. Hemodynamic parameters in off-pump coronary artery bypass graft surgery in chronic opioid users compared with non-users", in the Heart Research Center, Shahid Sadoughi University of medical sciences, Yazd, Iran.

22. Bidoki, Seyed Mansour; **Hekmatimoghaddam, Seyedhossein**; Mazloun Ardakani, Mohammad; Mahmoodzad, Hossein. "Methodology and formulation for antimicrobial functionalization of cotton fabric using nano silver solutions and methods for fastness improvement ", in the department of textile engineering, Yazd University, Yazd, Iran.

23. Ghadrhan Mashhadi, Alireza; Khajeh, Gholamhossein; Karimian, Abbas; Sazmand, Alireza; **Hekmatimoghaddam, Seyedhossein**. "Evaluation of Vitamin A and Beta Carotene in camel sera and relationship with vitreous during different seasons". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

24. Nazifi, Saeid; Sazmand, Alireza; **Hekmatimoghaddam, Seyedhossein**. "Evaluation of serum sialic acids and correlation with acute phase proteins in diseased camels". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

25. Nazifi, Saeid; Sazmand, Alireza; **Hekmatimoghaddam, Seyedhossein**. "Relationships between serum trace elements and erythrocyte antioxidant enzymes in diseased camels". In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

26. **Hekmatimoghaddam, Seyedhossein**; Sazmand, Alireza; Noori, Mohammad. "Relationship between serum and vitreous electrolytes, and effect of animal death on vitreous parameters." In the faculty of veterinary medicine, Shahid Chamran University, Ahvaz.

27. Ghilian, Rozita; **Hekmatimoghaddam, Seyedhossein**; Fatemi, Abdolhossein. "Sero-epidemiologic status of brucellosis in blood donors in Yazd, 1388 (2009). Approved in the Iranian Blood Transfusion Organization, completed at 1389 (2010).

I discontinued updating this list in 2010 because there is no need for more. Most of these projects are represented as published papers.

*Performing 45 diagnostic autopsies (mainly on fetus and newborn) for determination of the cause of death.

Theses (or projects) directed, supervised or consulted:

1. "Comparing the relative frequency of *Helicobacter pylori* in gastric mucosal biopsies of patients with reflux esophagitis, compared with those without it, in Alzahra hospital, 1999", by Dr. **Diana Taheri** (resident of pathology specialty, Isfahan University of medical sciences), consulted by me, Isfahan, Iran, 2000.

2. "Evaluation of P53 protein expression in human basal cell carcinoma cells, compared with normal skin", by Dr. **Mojtaba Javani** (resident of pathology specialty, Isfahan University of medical sciences), supervised by me, Isfahan, Iran, 2000.

3. "Cervicovaginal infections in patients admitted to Yazd Central Laboratory and Shohadaye-Kargar hospital in Yazd" by Ms **Leyla Hadiani** (a medical student in Azad university of Yazd, supervised by me), 2003.

4. "Comparison of relative frequencies of *Helicobacter pylori* in gastric biopsies and serum antibodies against it in social security hospital of Yazd) by Ms **Farideh Azizian** (a medical student in Azad university of Yazd, supervised by me), Yazd, 2003.

5. "Relative frequency of microcytic anemia in patients admitted to a hematology clinic in Yazd during 200-2003" by Mr **Hossein Jebali** (a medical student in Azad university of Yazd, consulted by me), 2003.

6. "Prevalence of pseudothrombocytopenia in cases admitted to Yazd Central Medical Laboratory" by Ms **A Eftekhari** et al (students of bachelor of laboratory science, supervised by me), Yazd, 2003.

7. "Evaluation of gestational trophoblastic diseases in patients admitted to Shohadaye Kargar and Shahid Rahnemoon hospitals in Yazd during 1998-2003" by Ms **Elham Khani** (a medical student in Azad university of Yazd, supervised by me), 2004.

8. "Survival analysis in ovarian cancer patients, by stage, in Yazd province, during the years 1377 to 1383" by Ms **Najmeh Beigom Mir Hosseini** (a medical student in Azad university of Yazd, consulted by me), 2004.

9. "Comparison of serum ferritin levels by ELISA and RIA methods in Yazd central laboratory" by **Three students** of bachelor of laboratory sciences, supervised by me, Yazd, 2004.

10. "Correction of error in blood hemoglobin determination by hematology analyzers induced by hyperlipidemia" by Ms **S Gholami** et al, students of bachelor of laboratory sciences, supervised by me, Yazd, 2004.

11. "Survival analysis in Hodgkin's lymphoma patients after diagnosis in Yazd" by Mr **Rafiee Dehnavi** (a medical student in Azad university of Yazd, consulted by me), 2005.

12. "Survival analysis in Non-Hodgkin's lymphoma patients after diagnosis in Yazd" by Mr **MH Arkan** (a medical student in Azad university of Yazd, consulted by me), 2005.

13. "Antiphospholipid syndrome in patients with cerebrovascular accidents under the age of 50 in Yazd" by Ms **Zohreh Deghani** and Ms **Flora Fallah** (medical students in Shahid Sadoughi University of medical sciences, consulted by me), Yazd, Iran, 2005.

14. "Utilities of second C-reactive protein (CRP) measurement for diagnosis of neonatal sepsis in Shohadaye Kargar hospital in Yazd" by Ms **Azadeh Emami Meybodi** (a medical student in Azad university of Yazd, consulted by me), 2005.

15. "Frequency of *Trichomonas vaginalis* vaginitis in pap smears in Shohadaye Kargar hospital and two private laboratories in Yazd" by Ms **Akram Jokar** (a medical student in Azad university of Yazd, supervised by me), 2006.

16. "Empiric therapy compared with results of antimicrobial susceptibility testing of urine cultures in pediatric infections in Shohadaye Kargar hospital" by Mr **Eiman Anaraki Mohammadi** (a medical student in Azad university of Yazd, consulted by me), 2006.

17. "Relationship between lipoprotein a (Lp a) and plasma lipid modifiability (oxidation) in adult men"

- by Ms **Ameneh Jafari** (a student of MS in biochemistry in Shahid Sadoughi University of medical sciences, consulted by me), 2007.
18. "Voltametric determination of warfarin in pharmaceutical formulation with a polymer modified electrode" by Ms **Azam Hakimi** (a student of MS in analytical chemistry in Shahid Sadoughi University of medical sciences, consulted by me), 2007.
19. "Evaluation of HBs Ab titer and related factors in health care workers of Shohadaye Kargar hospital in Yazd" by Mr **Hadi Naghashian Yazdi** (a medical student in Azad university of Yazd, guided by me), 2006.
20. "Evaluation of antimicrobial activity of cotton-polyester fabric treated with silver nanoparticles" by Mr **Samad Jafarai** & Ms **Farideh Mehrpouya** (BSc students in the faculty of textile engineering, Yazd university, consulted by me), 2008.
21. "Staining of wool yarn with natural dye weld, and evaluation of its antimicrobial activity" by Ms **Tahmineh Beheshti** (a BSc student in the faculty of textile engineering, Yazd university, consulted by me), 2009.
22. "The study of antibacterial finishing of spacer fabrics by N-halamine compounds" by Mrs **Shahrazad Bahador** (a MSc student in the faculty of textile engineering, Isfahan industrial University, consulted by me), 2010.
23. "Evaluation of antimicrobial activity of cotton-polyester fabric treated with TiO₂ nanoparticles" by Ms **Ashrafolsadat Motahharian**, and Ms **Fatematolsadat Mirabdollahi** (BSc students in the faculty of textile engineering, Yazd University, consulted by me), 2010.
24. "An in vitro comparison of coronal-apical microleakage in root canal preparation with NiTi rotary instruments of various sizes and tapers" by Mrs **Maryam Kazemipoor** (a resident of endodontics, in the school of dentistry, Shahid Sadoughi University of medical sciences, consulted by me), 2011.
25. "Demographic & clinical features of breast cancer patients in Yazd, correlated with their pathologic & immunohistochemical characteristics" by Mrs **Sanazossadat Sajjadi** (a medical student in Azad university of Yazd, guided by me), 2011.
26. "Comparison of serum troponin I in sevoflurane-fentanyl and propofol-fentanyl methods in children undergoing closed heart surgery" by Mr **Ehsan Salehi** (a medical student in Shahid Sadoughi University of medical sciences, consulted by me), 2011.
27. "Assessment of in vitro cytotoxic effect of nanoparticles SiO₂, ZnO, MgO and Ag on blood mononuclear cells" by Mr **Sajjad Barzegar** (a student of MSc in professional health in Shahid Sadoughi University of medical sciences, guided by me), 2011.
28. "Antifungal activity of CUO and SiO₂ nanoparticles on Candida albicans" by Mr **Abbas Karimian**, student of DVM, in Shahid Chamran University of Ahvaz, consulted by me), 2011.
29. "Toxic effect of diazinon on the biochemical and hematological parameters in spraymen of rice farms of Fereydonkenar " by Ms **Tahereh Raei** (a student of MSc in occupational health, in Shahid Sadoughi University of medical sciences, consulted by me), 2011.
30. "Assessment of cytotoxic effect of MgO nanoparticles on rat pulmonary cells" by Mr **Seyed Mohammad Jafari** (a student of MSc in professional health in Shahid Sadoughi University of medical sciences, guided by me), 2012.
31. "Assessment of effect of zinc oxide nanoparticles on human spermatozo parameters" by Mrs **Marzieh Noorani** (a student of MSc in professional health in Shahid Sadoughi University of medical sciences, guided by me), 2013.
32. "Evaluation of effects of work space sound on catecholamine metabolites in workers in a textile industry" by Mr **Ali Eskandari** (a student of MSc in professional health, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
33. "Synthesis and testing of antimicrobial effects of cellulose nanoparticles conjugated with allicin" by Mr **Ali Behzadi** (a student of MSc in food safety and health, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
34. "Synthesis of cellulose nanoparticles conjugated with Lysozyme and evaluation of its antimicrobial activity" by Mr **Iraj Rezapour** (a student of MSc in food safety and health, in Shahid Sadoughi University of medical sciences, guided by me), 2013.

35. "Evaluation of relative frequency of hyperhomocysteinemia in patients with renal failure on hemodialysis, and the effect of oral folate in reducing homocysteine level" by Mr **Ali Taghavi** (a medical student in Ali Bin Abitaleb school of medicine, Islamic Azad University, guided by me), 2013.
36. "Effect of apple vinegar on lipid and glucose profiles, blood pressure and homocysteine in type 2 diabetic patients with dyslipidemia" by Mrs **Reihaneh Bashiri** (a student of MSc in health sciences in nutrition, in Shahid Sadoughi University of medical sciences, consulted by me), 2013.
37. "Synthesis, characterization, evaluation of antimicrobial activity, stability and cutaneous toxicity of two new metal-inorganic complexes" by Mr **Reza Ali Fallahzadeh** (a student of MSc in environmental health, in Shahid Sadoughi University of medical sciences, consulted by me), 2013.
38. "Evaluating the antioxidant effect of plants *Dorema aucheri* and its effect on molecular biomarkers production (advanced glycosylation protein products, active carbonyl groups, and lipid peroxidation, MDA) in type II diabetic patients" by Mr **Alireza Raisi** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
39. "Preparation of different woven fabrics finished by allicin-conjugated nanocellulose and assessment of their antimicrobial properties" by Ms **Razieh Jafari** (a student of MSc in textile engineering, in Yazd University, guided by me), 2013.
40. "Investigation of the effect of *Dorema aucheri* extract powder on catalase and superoxide dismutase activity and peroxisome proliferators-activated receptors- γ expression in type II diabetic patients" by Mr **Mohammad Reza Nahvinejad** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
41. "Investigating antihyperglycemic, antihyperlipidemic, and antioxidant effects of plant *Dorema aucheri* powder in type II diabetic patients" by Mr **Seyed Mehdi Mousavipoor** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
42. "Serum level of chemerin in diabetic patients receiving *Dorema aucheri* compared with placebo, and determination of relationship between chemerin and other indicators of diabetes" by Ms **Maryam Tajik** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
43. "The cellular uptake of antisense oligonucleotide of E6 mRNA into cervical cancer cells by DOPE-modified hydroxyapatite nanoparticles" by Ms **Negin Saffarzadeh** (a student of MSc in medical genetics, in Shahid Sadoughi University of medical sciences, guided by me), 2013.
44. "Comparison of cytotoxic effects of different sizes and shapes of SiO₂ nanoparticles on rat lung cells" by Mr **Ahmad Abdolmaleki** (a student of MSc in occupational health, in Shahid Sadoughi University of medical sciences, consulted by me), 2013.
45. "Evaluating the effect of *Dorema aucheri* extract on advanced glycosylation end products of plasma proteins and blood coagulation and fibrinolysis in type II diabetic patients" by Mr **Seyed Amirmehdi Tavana** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2014.
46. "Synthesis of nanocellulose conjugated with polylysine and the study of its antimicrobial property" by Ms **Rahimeh Bazrafshan** (a student of MSc in microbiology, in Islamic Azad University, Ashkezar branch, guided by me), 2014.
47. Synthesis of polystyrene – hydroxyapatite nanocomposite and the evaluation of its capability to adsorb aflatoxin M1" by Ms **Mina Seifi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2014.
48. "The frequency of thyroid lesions in the patients under fine needle aspiration (FNA) in Yazd during 1388-1392" by Mr Mohammad **Sadegh Vahedi** (a medical student in Ali Bin Abitaleb school of medicine, Islamic Azad University, guided by me), 2014.
49. "The study of *Terichoderma* extract and biomass usage as a bio-preservative, and comparison with nitrate as a traditional preservative" by Ms **Azizeh Sarram** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2014.
50. "Synthesis of nanocellulose modified with aminobenzyl purine, and assessment of its ability for adsorbing antibiotic enrofloxacin" by Mr **Mohammad Hossein Balalzadeh** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2014.

51. "Synthesis of nanocellulose modified with poly-lysine, and assessment of its ability for adsorbing fumonisin B1 in various foodstuffs" by Mr **Hossein Shahdadi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2014.
52. "Synthesis of a nanofilter for adsorption of diazinon in agriculture fields and biological environments" by Mr **Seyed Mostafa Mirzadeh** (a student of MSc in agricultural biotechnology, in Payame Noor University, Tehran branch, guided by me), 2014.
53. "Comparison of stability, toxicity, and antimicrobial activity of allicin nanoparticles and allicin solution" by Ms **Samaneh Mozaffari** (a student of MSc in environmental health, in Shahid Sadoughi University of medical sciences, consulted by me), 2014.
54. "Synthesis of nanomatrices based on human serum albumin and hydroxyapatite, and investigation of their biocompatibility for spermatogonial cell line" by Ms **Saideh Nezami Saridar** (a student of MSc in cellular and molecular biology, in Islamic Azad University, Ashkezar branch, guided by me), 2014.
55. "Synthesis of nanoscaffolds based on human serum albumin and tricalcium phosphate, and their effects on spermatogonia cell line" by Ms **Mona Yadegar** (a student of MSc in cellular and molecular biology, in Islamic Azad University, East Tehran branch, guided by me), 2014.
56. "Effects of human serum albumin-Ca₃ (PO₄)₂ nanocomposite scaffold on growth of mouse spermatogonia stem cell line and human umbilical cord stem cells" by Ms **Hamideh Ebrahimi** (a student of MSc in biochemistry, in Shahid Sadoughi University of medical sciences, guided by me), 2015.
57. "Synthesis of nanoallicin conjugated with citric acid, and the study of its ability to inhibit enzymatic browning" by Ms **Fatemeh-Asadat Hasheminejad** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
58. "Assessment of capability of tetracycline antibiotic adsorption by polystyrene-capric acid nanocomposites" by Ms **Mina Afkhami** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
59. "A study on stability, toxicity and effectiveness of antimicrobial essential oil *Thymbra spicata* and *Zhumeria majdae* compared to the nanoparticle form as a surface disinfectant" by Ms **Rahil Emami** (a student of MSc in environmental health, in Shahid Sadoughi University of medical sciences, consulted by me), 2015.
60. "Design and synthesis of nanocellulose conjugated with vitamin A, and evaluation of its capability in aflatoxin B1 adsorption" by Ms **Najmeh Sedighi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
61. "Synthesis of gold-conjugated nanocellulose and evaluation of its capability to adsorb diazinon" by Ms **Farideh Montazerolhojeh** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
62. "Synthesis of nanocellulose conjugated with allicin, and evaluation of its capability to adsorb diazinon" by Ms **Maliheh Totonchi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
63. "Designing a new food package containing polypropylene covered by essential oil of *Hyssopus officinalis* in nano-scale, and assessment of its antimicrobial properties" by Ms **Shiva Najafi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
64. "Assessment of antimicrobial and antioxidant effects of allicin/citric acid-conjugated nanocellulose, and evaluation of parathion adsorption by it" by Ms **Rana Ebrahimi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
65. "The study of probable adsorption of different common antibiotics used in the meat and poultry industry by a novel packaging including polypropylene polymer and lactic acid bacteria biofilm" by Ms **Sedigheh Moghimi** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.
66. "Assessment of absorption and quenching of sound transmission by different nanocomposites" by Mr **Bahram Kouhnavard** (a student of MSc in occupational health, in Shahid Sadoughi University of medical sciences, consulted by me), 2015.
67. "Comparison of encapsulation of vitamin D with whey protein and albumin powder" by Ms **Vajiheh Talebian** (a student of MSc in food industries, in Islamic Azad University, Yazd branch, consulted by me), 2015.

68. “The synthesis of prodigiosin-conjugated nanocellulose attached to aptamer, and evaluation of its cytotoxic effects on the U87 neuroglial cell line” by Mr Dr **Mohammad Ayatollahi** (a student of PhD by research in pharmaceuticals, in Shahid Bahonar University of medical sciences, under my guide), started in 2015.
69. “The effects of different herbal extracts on colon cancer cell line” by Mr **Avazbakhsh** and Ms **Danesh Heidari** and Ms **Parnian** (students of MSc in genetics, in Islamic Azad University, Ashkezar branch, under my supervision or consultation), 2016.
70. “The synthesis of a new biofilm containing nano-starch, nanocellulose and garlic extract, and assessment of its antimicrobial activity for use in food packaging” by Ms **Faezeh Hshamdar** (student of MSc in food sciences & technologies, in Islamic Azad University, Yazd branch, under my consultation), 2016.
71. “Molecular identification of vector-borne parasites in blood of camels (*Camelus dromedaries*) of Iran” by Dr **Alireza Sazmand** (DVM, a student of PhD in parasitology, in University of veterinary medicine Vienna, Austria, under my advice), 2016.
72. “Preparation of edible nanophenolic films from extracts of Rosemary, Nigella sativa and Comosum calligonum, and evaluation of their properties” by Ms **Zare Farsani** and Ms **Rahimian** and Ms **Sadeghian** (students of MSc in food sciences & technologies, in Islamic Azad University, Yazd branch, under my consultation), 2017.
73. “Design and evaluation of a food package label containing pH indicator and starch nanoparticles for determination of beef freshness” by Ms **Farzaneh Fatehi** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2017.
74. “Designing a label containing pH indicator on multilayer polystyrene/polypropylene nanofilm for assessment of pasteurized milk freshness” by Ms **Razieh Eshaghi** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2017.
75. “Design of a glue containing pH indicator and gelatin to assess the freshness of chicken” by Ms **Mojdeh Riahi** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2017.
76. “Evaluation of antimicrobial effect of some medications on biofilm of *E. fecalis*” by Ms **Maryam Matin** (a student of dentistry, DDS, in Shahid Sadoughi University of medical sciences, by my consultation), 2017.
77. “The effects of anti-bacterial coating with polypropylene, silica nanoparticles and cinnamon essence in packaging of meat” by Mr **Alireza Habibi** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2017.
78. “Evaluation of an anti-fungal label containing nanosilica and essential oil of *Zataria multiflora* for use in packaging of pistachio, and its impact on the level of aflatoxin” by Ms **Vida Rahimi** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2017.
79. “The synthesis and optimization of liposomic and niosomic formulations containing essence of *Trachyspermum copticum*, and evaluation of its cytotoxic and antimicrobial effects as wound covering” by Mr Dr **Mahmoud Bahrololoum Tabatabaei** (a student of PhD in textile engineering, in Islamic Azad University, Yazd branch, consulted by me), 2017.
80. “Comparison of the expression of *DNMT3A* gene in children with B-cell acute lymphoblastic leukemia before and after treatment with mercaptopurine” by Mrs **Tahereh Ahmadi Afzadi** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2017.
81. “Comparison of the expression of *DNMT1* gene in children with B-cell acute lymphoblastic leukemia before and after treatment with mercaptopurine” by Mrs **Kolan Rahmani** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2017.
82. “Assessment of expression of genes of enzymes DNMT 1, 3A and 3B in children with B-cell acute lymphoblastic leukemia and normal children” by Mr **Mahmoud Imani Avaz** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2017.
83. “Study of antifungal properties of essential oil of *Zataria multiflora Boiss* packaging strawberries coated with nanoparticles of starch” by Ms **Maryam Mobininezhad** (a student of MSc in food hygiene & safety, in Shahid Sadoughi University of medical sciences, under my guide), 2018.

84. "Evaluation of growth of testis-derived cells from non-obstructive azoospermia patients on three-dimensional scaffolds with human albumin, under the influence of growth factors GDNF and EGF" by Ms **Zahra Borzouie** (a student of PhD in reproductive biology, in Shahid Sadoughi University of medical sciences, supervised by me), 2018.

85. "Study of tumor necrosis factor alpha and interleukin 6 in women with gestational diabetes" by Mrs **Tahereh Dehghan Banadaki** (a student of MSc in biochemistry, in Payam Noor University, advised by me), 2018.

86. "Evaluation of the mean expression of epigenetic genes in cell lines Nalm-6 and HL-60 as well as normal peripheral blood mononuclear cells before and after treatment with thioguanine" by Mr **Tohid Rostamian** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2018.

87. "Evaluation of the expression of *DNMT3A*, *DNMT3B*, *HDAC3* and *HDAC7* genes in cultured cancer cells Nalm-6 and HL-60 as well as normal peripheral blood mononuclear cells after treatment with azacytidine" by Mr **Sina Dalvand** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2018.

88. "Evaluation of the expression of *DNMT3A*, *DNMT3B*, *HDAC3* and *HDAC7* genes in cultured cancer cells Nalm-6 and HL-60 as well as normal peripheral blood mononuclear cells after treatment with cytarabine" by Ms **Soudeh Moghadasi** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2020.

89. "Evaluation of the effect of chemotherapy drug hydroxyurea on mean expression of epigenetic genes in cell lines Nalm-6 and HL-60 as well as normal blood cells" by Mr **Milad Akhlaghi** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2020.

90. "Evaluation of the expression of DNA methyltransferases (DNMTs) 3A & 3B and histone deacetylases (HDACs) 3 & 7 in normal persons, hyperuricemic individuals and patients candidate for coronary angiography and its correlation with the plasma levels of uric acid" by Mrs **Maryam Beik** (a student of MSc in clinical biochemistry, in Shahid Sadoughi University of medical sciences, supervised by me), 2020.

Published books:

Rajabi P, **Hekmatimoghadam SH**, Baghaei MA, Khalilian S, Boroumand MA. Immunology and immunopathology. Translation from English to Persian from the book: Clinical diagnosis and management by laboratory methods, 19th edition, edited by John Bernard Henry. Isfahan University press, Isfahan, Iran; 1998.

Patents:

No. 139650140003011278 registered at 22 Dec 2017 in Iran. Title: The process of increasing pluripotency and proliferation of bone marrow mesenchymal stem cells by miRNA delivery system for regenerative medicine. International classification code: A61K 35/28
Available at: <http://patentoffice.ir>

Published articles:

1997

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2. Rajabi P, **Hekmatimoghadam SH**, Attary Pour S. Frequency of cervico-vaginal infections in 2600 Pap smears in Isfahan. Journal of Research in Medical Sciences 1997; 3(2):147-151. [Persian]

1998

3. Estrogen receptor, progesterone receptor, CEA and PSA in cancerous cells of breast cancer patients. Journal of Research in Medical Sciences 1998; 4:xxx-xxx. [Persian]

4. Study of knowledge of medical interns of Isfahan University of medical sciences about pathology and its relations to other clinical departments. *Journal of Research in Medical Sciences*, Suppl.1, 1998. [Persian]
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5. Jafari AA, **Hekmati Moghaddam SH**, Ahmadih MH. Fungal infections in cases admitted to Yazd Central Laboratory from autumn 2000 to spring 2003. *Toloo-E-Behdasht (Journal of Health School)* 2003; 2(1):21-26. [Persian]
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6. Sharifi MR, Moshref M, **Hekmaty Moghaddam SH**. Efficacy of recombinant hepatitis B vaccine in children. *Medical Journal of the Iranian Hospital (now named Iranian Red Crescent Medical Journal)* 2004; 6(2):30-33.
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8. Ghoraishian SM, **Hekmatimoghaddam S**, Afkhami-Ardekani M. Relationship between anti-thyroid peroxidase antibody and thyroid function tests. *Iranian Journal of Immunology* 2006; (3)3:146-149.
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9. Khalili MA, Miresmaeili SM, **Hekmatimoghaddam S**, Rezaei S, Vahidi AR. The study of burn healing by *Onosma stenosisiphon* on type II burn of back and testis areas in rats. *Journal of Herbal Drugs* 2010; 1(1):23-27.
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10. Ghilian R, **Hekmatimoghaddam S**, Fatemi A, Eslamieh H, Dargahi M. Sero-epidemiologic status of brucellosis in blood donors in Yazd, 1388. *Blood (Scientific Journal of Iran Blood Transfusion Organ)* 2011; 7(4):196-205.
11. Foruzan-Nia SK, Abdollahi MH, **Hekmatimoghaddam S**, Namayandeh SM, Mortazavi MH. Incidence of sexual dysfunction in men after cardiac surgery in Afshar hospital, Yazd. *Iranian Journal of Reproductive Medicine* 2011; 2(9):89-94.
12. Sazmand A, Rasooli A, Nouri M, Hamidinejat H, **Hekmatimoghaddam S**. Serobiochemical alterations in subclinically affected dromedary camels with *Trypanosoma evansi* in Iran. *Pakistan Veterinary Journal* 2011; 31(3):223-226.
13. **Hekmatimoghaddam S**, Sazmand A, Tajik J, Shirazi MR. Serum cardiac troponin I concentrations in the camel and buffalo. *Online Journal of Veterinary Research* 2011; 15(6):514-519.
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14. Sazmand A, Hamidinejat S, **Hekmatimoghaddam S**, Asadollahi Z, Mirabdollahi S. *Eimeria* infection in camels (*Camelus dromedarius*) in Yazd province, central Iran. *Tropical Biomedicine* 2012; 29(1):77-80.
15. Khalili MB, Sadeh M, **Hekmatimoghaddam S**. Hematologic indices, inflammatory markers, symptoms and routine diagnostic tests in childhood brucellosis. *Iranian Journal of Pediatric Hematology Oncology* 2012; 2(1):17-21.
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17. Barkhordari A, Barzegar S, **Hekmatimoghaddam H**, Jebali A, Fallahzadeh H. The cytotoxic effects of MgO nanoparticles on human blood mononuclear cells. *Occupational Medicine Quarterly Journal* 2012; 3(4):14-19.
18. Barkhordari A, Raei Bandpey T, **Hekmati Moghaddam S**, Mosadegh M, Fallahzadeh H. Evaluation of cholinesterase level in workers exposed to organophosphates. *Occupational Medicine Quarterly Journal* 2012; 4(1-2):9-16.
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Published (quotable) contribution to scientific event in proceedings:

- 1."Success rates of FNA vs. scraping for diagnosis of cutaneous leishmaniasis." Oral presentation in the 4th international congress on dermatology & dermatopathology, Tehran, Iran, 1997.
- 2."Study of knowledge of medical interns of Isfahan University of medical sciences about pathology and its relations to other clinical departments", poster presentation in 3rd congress on medical education, Isfahan, Iran, 1998.

3. "Epidemiology of cutaneous Leishmaniasis in patients admitted to Yazd Central Medical Laboratory", poster presentation in "The first national congress in advances in microbiology", Fasa city, September 2001.
4. "Vaginal Cytology", oral lecture for Behvarzan and nurses, Mehriz city, 2001.
5. "Vaginal cytology and interpretation of Pap smear", oral lecture for Behvarzan and nurses, Sadough city, 2001.
6. "Vaginal cytology", oral lecture in a one-day educational workshop for Behvarzan and nurses, Bafgh city, 2002.
7. "Vaginal cytology and Pap smear", oral lecture in a 2-days workshop for Behvarzan and nurses, Yazd health center, Yazd, 2002.
8. Oral lecture about Pap smear in a one-day workshop, Mehriz city, 2002.
9. " Sero-epidemiologic study of brucellosis in suspected patients admitted to Yazd central laboratory", poster presentation in 7th Iranian congress of immunology and allergy, Mashad, April 2004.
10. Oral lecture in the workshop on common gynecologic cancers, Yazd health center, Yazd, September 2004.
11. "Methods of diagnosis of cancer". Oral presentation in educational course of chemotherapy of cancer and blood diseases for pharmacists, Yazd Shahid Sadoughi University of Medical sciences, Yazd, 2004.
12. Oral lecture in the workshop on vaginal cytology, Yazd health center, Yazd health center, Yazd, November 2004.
13. Oral presentation of article, entitled" Pap smear in Yazd, results of 6788 screening tests", in the first national congress of gynecologic oncology, Isfahan, Iran, 2005.
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17. Poster presentation in the 2nd international congress of "Trends in Medical Mycology", entitled "A 3-year survey of fungal infections in cases admitted to Yazd central laboratory", Berlin, Germany, published in the magazine Mycoses, No.48, October 2005.
18. Oral lecture in 2nd Iranian annual congress on pathology, entitled" Survival analysis of Hodgkin's disease patients after diagnosis in Yazd", Tehran, December 2005.
19. Poster presentation in 2nd Iranian annual congress on pathology, entitled" Analysis of survival in patients with non-Hodgkin's lymphoma after diagnosis in Yazd", Tehran, December 2005.
20. Poster presentation in 2nd Iranian congress on pathology, entitled" Survival analysis in patients with ovarian cancer in Yazd", Tehran, December 2005.
21. Three lectures in the two-days Workshop on Quality Control in Medical Laboratory, entitled" Statistical concepts in quality control; Determination of accuracy, precision, sensitivity, and specificity; Quality control in hematology", also served as the chairman of the conference, Yazd, December 2005.
22. Oral lecture entitled" methods of laboratory diagnosis of drug sensitivity in microorganisms", in "The conference on drug resistance in microorganisms", also served as the chairman of the conference, Yazd, March 2005.
23. Poster presentation, entitled "Serologic tests in patients suspected of systemic lupus erythematosus", in the 8th Iranian congress on immunology and allergy, published in the congress abstract booklet, p. 119, Tehran, May 2006.
24. Oral lecture in "Integrated education of hematologic diseases for pediatricians", entitled: Interpretation of CBC, Yazd, November 2006.
25. Poster presentation in Medicine and Laboratory congress, entitled" Case report: severe Strongyloides stercoralis infection in Yazd, mimicking ulcerative colitis", Tehran, January 2007, published in "Iranian journal of public health", Vol. 36, No. 1, P. 31, 2007.
26. Poster presentation in Medicine and Laboratory congress, entitled" A 6-years epidemiologic study of cutaneous leishmaniasis in cases referred to Yazd Central (reference) Laboratory", Tehran, January 2007,

published in "Iranian journal of public health", Vol. 36, No. 1, P. 29, 2007.

27. Poster presentation in Medicine and Laboratory congress, entitled "Correlation between blood concentrations of cyclosporine and serum uric acid, lipids, and creatinine in renal transplant patients", Tehran, January 2007, published in "Iranian journal of public health", Vol. 36, No. 1, P. 67, 2007.

28. Poster presentation in Medicine and Laboratory congress, entitled "Prevalence of intestinal parasites in children referred to Yazd Central (reference) Laboratory", Tehran, January 2007, published in "Iranian journal of public health", Vol. 36, No. 1, P. 30, 2007.

29. Oral lecture entitled "Pap smear: screening for cervical cancer", in the school of paramedicine, Yazd Shahid Sadoughi University of Medical sciences, Yazd, January 2006.

30. Poster presentation in Razi congress of dermatology, entitled "A 6-years analysis of cutaneous fungal infections in Yazd Central Laboratory", Tehran, April 2007.

31. Oral lecture entitled "Characterization of the stem cells", in "the one-day seminar on biology, detection, and therapeutic potentials of the stem cells", in the school of paramedicine, Yazd Shahid Sadoughi University of Medical sciences, Yazd, May 2007.

32. Poster presentation in "The 8th annual research congress of Iranian medical sciences students and the first international student congress on medical research in Iran, entitled "Isolation and antimicrobial susceptibility testing of bacteria from external ear canal of cancer patients at Shafa hospital in Ahwaz", Ahwaz, May 2007.

33. Oral lecture (in English) entitled "carcinogenic agents", in the school of paramedicine, Yazd Shahid Sadoughi University of Medical sciences, Yazd, April 2008.

34. Poster presentation entitled "Antimicrobial functionalization of cotton fabrics using nanosilver suspensions", the 2nd international congress on nanoscience and nanotechnology, ICNN 2008, Tabriz, October 2008.

35. Oral lecture entitled "laboratory diagnosis of STDs", in the "seminar on cutaneous lesions in sexually transmitted diseases", Yazd Shahid Sadoughi University of Medical sciences, Yazd, December 2008.

36. Oral lecture entitled "PCR for detection of *Klebsiella* isolated from patients in Dr. Shariati hospital in Tehran, and their antimicrobial susceptibility testing", in the 2nd international and 7th national congress on quality improvement in Iran medical laboratories, Tehran, April 2009.

37. Oral presentation entitled "*Leptospira interrogans* infection in camels in Yazd", in the regional conference of camel research priorities, Mashhad, April 2009.

38. Oral presentation entitled "Study on *Trypanosoma evansi* infection in dromedary camel (*Camelus dromedarius*) in Yazd province, Iran", the regional conference of camel research priorities, Mashhad, April 2009.

39. Poster presentation entitled "Serum electrolytes of dromedary camel in hot and cold climatic conditions in Yazd province of Iran", the regional conference of camel research priorities, Mashhad, April 2009.

40. Oral lecture entitled "safety and hygiene in laboratory work", in the faculty of paramedicine, Yazd Shahid Sadoughi University of Medical sciences, Yazd, April 2009.

41. Poster presentation entitled "Some serum enzymes of dromedary camel in hot and cold climatic conditions in Yazd province of Iran", Tabriz, June 2009.

42. Poster presentation entitled "Oxidation bleaching of antimicrobial functionalized cotton fabrics containing silver nanoparticles", the 1st international & 7th national Iranian textile engineering conference, Rasht, October 2009.

43. Oral lecture entitled "laboratory tests for coagulation disorders, diabetes, maxillofacial pains,...", in the "Integrated education of oral & dental diseases and diagnosis" for dentists, in the school of dentistry, Yazd Shahid Sadoughi University of Medical sciences, Yazd, November 2009.

44. Oral lecture entitled "Fertility preservation in boys with testicular cancer", in the "Integrated education of oral & dental diseases and diagnosis" for dentists, in the school of dentistry, Yazd Shahid Sadoughi University of Medical sciences, Yazd, November 2009.

45. Oral lecture entitled "Biochemical, enzymatic and hormonal changes in dromedary camels naturally infected with *Trypanosoma evansi*", in the 16th Iranian veterinary congress, Tehran, Iran, March 2010.

46. Oral lecture entitled "Identification & monitoring of stem cells after transplantation", in the conference on implication of stem cells and tissue engineering in cardiovascular diseases, Yazd Shahid

Sadoughi University of Medical sciences, Yazd, March 2010.

47. Oral lecture entitled "Slide seminar on head & neck cytology", in the 4th annual seminar on clinical cytology, Isfahan University of Medical sciences, Isfahan, April 2010.

48. Poster presentation entitled "Evaluation of antibacterial activity of cotton-polyester fabric containing TiO₂ nanoparticles by the method... ", in the conference on applications of nanotechnology and industrial development, International Imam Khomeini University, Qazvin, May 2010.

49. Oral lecture in English entitled "The effect of MgO-SiO₂ nanocomposite on adsorption of aflatoxin in wheat flour samples", in the 2nd international conference on nanotechnology (NANOCON 2010) in Olomouc city, Czech Republic, October 2010.

50. Oral lecture entitled "How to prevent cancer", in the 2-days conference on healthy life style & risk factors in urban life, Yazd Shahid Sadoughi University of medical sciences, Yazd, November 2010.

51. Poster presentation entitled "In vitro anti-microbial actions of gum from *Dorema ammoniacum*", in the conference on traditional medicine & combined treatments & herbal drugs, Lorestan University of medical sciences, Khorramabad, November 2010.

52. Oral lecture in English entitled "Serobiochemical alterations in dromedary camels naturally infected with *Theileria* spp. in Iran", in the 15th international congress on animal hygiene in Vienna, Austria, July 2011.

53. Poster presentation in English entitled "Beta-carotene and vitamin A content of serum of Dromedary camel in Yazd province (Iran)", in the 15th international congress on animal hygiene in Vienna, Austria, July 2011.

54. Poster presentation in English entitled "Prevalence of *Cryptosporidium* spp. in camels and humans related to camels in Yazd province, Iran", in the 15th international congress on animal hygiene in Vienna, Austria, July 2011.

55. Presentation and as secretary of the "clinical cytology conference", Afshar hospital, Yazd, 13 Mehr 1391.

56. Poster presentation: **Prevalence of *Dipetalonema evansi* in camels of Iran's central area.** Seyedhossein Hekmatioghaddam, Alireza Sazmand, Mohammad Hosein Anvari Tafti. In the 1st International and 8th National Congress of Parasitology & Parasitic Diseases in Iran, Kerman, Iran, 2012.

57. Oral presentation: ***Eimeria* infection in camels (*Camelus dromedarius*) in Yazd province, central Iran.** Alireza Sazmand, Zahra Asadollahi, Hossein Hamidinejat, Aria Rasooli, Mohammad Nouri, Seyedhossein Hekmatimoghaddam, Seyedmehdi Mirabdollahi. XXVII World Buiatrics Congress, Lisbon, Portugal, 2012.

58. Oral presentation: **Serum concentration of cardiac troponin I in healthy dromedary camels and water buffaloes.** Seyedhossein Hekmaimoghaddam, Alireza Sazmand, Javad Tajik, Mohammadreza Shirazi, Ali Nikbin. XXVII World Buiatrics Congress, Lisbon, Portugal, 2012.

59. Oral presentation: **Seroprevalence of Brucellosis in camels (*Camelus dromedarius*) in center of Iran.** Alireza Sazmand, Mohammad Rahim Haji Hajikolayi, Masoud Ghorbanpoor Najafabadi, Seyedhossein Hekmaimoghaddam, Saeid Dehghan Farashah. XXVII World Buiatrics Congress, Lisbon, Portugal, 2012.

60. Oral presentation: **Mechanisms of action of antimicrobial nanoparticles: a review of different hypotheses.** Seyedhossein Hekmatimoghaddam, Ali Jebali, Alireza Sazmand. 1st National Congress on Nanodrugs, Ahvaz, Iran; 10/2011.

61. Oral presentation: **Study on *Theileria camelensis* infection in dromedary camel (*Camelus dromedarius*) in Yazd province, Iran.** Hedieh Jafari, Hossein Hamidinejat, Aria Rasooli, Alireza Sazmand, Seyedhossein Hekmatimoghaddam. 7th National & 2nd Regional Congress of Parasitology and Parasitological Diseases in Iran, Tehran, Iran; 10/2010.

62. Oral presentation: **Biochemical, enzymatic and hormonal changes in dromedary camels naturally infected to *Trypanosoma evansi*.** Alireza Sazmand, Aria Rasooli, Seyedhossein Hekmatimoghaddam, Hossein Hamidinejat, Mohammad Nouri. 16th Veterinary Congress of Iran, Tehran, Iran; 04/2010.

63. Oral presentation: **Some serum enzymes of dromedary camel in hot and cold climatic conditions in Yazd, province of Iran.** Alireza Sazmand, Aria Rasooli, Seyedhossein Hekmatimoghaddam, Mohammad Nouri. 6th Convention of Iranian Veterinary Clinicians, Tabriz, Iran; 05/2009.

64. Oral presentation: **Study on Trypanosoma evansi infection in dromedary camel (Camelus dromedarius) in Yazd province, Iran.** Hossein Hamidinejat, Seyedhossein Hekmatimoghaddam, Alireza Sazmand, Sara Mohammad Ali Gol. Regional Conference of Camel Research Priorities, Mashhad, Iran; 04/2009.

65. Oral presentation: **Serum electrolytes of dromedary camel in hot and cold climatic conditions in Yazd province of Iran.** Aria Rasooli, Seyedhossein Hekmatimoghaddam, Alireza Sazmand. Regional Conference of Camel Research Priorities, Mashhad, Iran; 04/2009.

66. Conference Proceeding: **Leptospira interrogans infection in Yazd camels.** Mohammad Rahim Haji Hajikolayi, Gholamreza Abdollahpoor, Seyedhossein Hekmatimoghaddam, Alireza Sazmand. Regional Conference of Camel Research Priorities, Mashhad, Iran; 04/2009.

67. Oral lecture: **Slide seminars on FNA cytology**, in the 7th annual seminar on clinical cytology, Isfahan University of Medical sciences, Isfahan, April 2013.

68. Alireza Sazmand, Hossein Hamidinejat, Seyedhossein Hekmatimoghaddam, Moosa Tavassoli, Seyedmehdi Mirabdollahi, Abbas Karimian, Ali Nikbin, Saeed Dehghan Farashah. Apicomplexa in camels of central Iran. In: Apicomplexa in Farm Animals, Kusadasi, Turkey, 31 October-2 November 2013. [Poster]

69. Ali Jebali, Seyedhossein Hekmatimoghaddam, Abbas Karimian, Hosein Najafzadeh, Mohammad Ghorbanpour. The Cell Journal: Volume 12, Supplement 1, Winter 2011. Article title: P-99: The Effect of SiO₂ and CuO Nanoparticles on Candida Albicans. [Poster, presented in Rouyan Congress, 2011]

70. Ali Jebali, Bahram Kazemi, Hashem Rafitabar, Seyedhossein Hekmatimoghaddam. The cytotoxicity effects of different nanoparticles on balb/c mice cells. 23-25, 10, 2012, Brno, Czech Republic, EU [Poster]

71. Hekmatimoghaddam S, Pourrajab F, Forouzannia SK, Ebrahimi H, Tajik Kord M. Therapeutic application of MicroRNAs improves stem cell function: overexpression of MiR-210 enhances stemness status of human wharton's jelly stem cells. Cell Journal (Yakhteh) 2013; 15(Supplement 1):36.

72. Pourrajab F, **Hekmatimoghaddam S**, Forouzannia SK, Baqhiyazdi M, Babaezarch M, Ebrahimi H. Design of a combinatorial and feasible protocol for autologous bone marrow stem cell transplantation in patients candidate for CABG. Cell Journal (Yakhteh) 2013; 15(S1):69-69.

I discontinue this list because there is no need for more.

Review & Audit of:

1. Papers for publication in the scientific & research journals of Yazd Shahid Sadoughi University of Medical sciences, Yazd, since 2002 (62 papers up to now).
2. Research proposals in Yazd Shahid Sadoughi University of Medical sciences, Yazd, since 2003 (more than 50 proposals up to now).
3. Translated books for publication in Yazd Shahid Sadoughi University of Medical sciences, Yazd, since 2005 (6 books up to now).
4. Papers for publication in the scientific & research journal of "Iranian Journal of Pathology", Tehran, since 2007 (22 papers up to now).
5. Papers for publication in different international journals, since 2010 (about 12 papers up to now).

Workshops and courses (educational, training ...):

1. A 30-hours workshop on computer basic science and DOS, center for statistics and computer, Yazd University of Medical Sciences & Health Services, Yazd, Iran, 1995.
2. A 5-days workshop on methods of research, Yazd University of Medical Sciences & Health Services, Yazd, Iran, 1995.
3. A 2-days workshop on methods of accessing information sources in biomedical sciences, Shahid Sadoughi University of medical sciences, Yazd, Iran, 1996.
4. A 5-days comprehensive course on continued education for pathologists, Isfahan University of medical sciences, Isfahan, Iran, 2000.
5. Conference on tuberculosis updates, Yazd, 2001.
6. Conference on optimizing drug prescription and usage, Yazd, 2001.

7. International congress on infertility, Yazd, 2001.
8. Sexually transmitted diseases and AIDS conference, Yazd, 2001.
9. Self-education through articles in "Drug Information magazine", Yazd, 2002.
10. Seminar on principles of interpretation of laboratory tests, Yazd, 2002.
11. Self-education course on pitfalls in laboratory tests and clinical interpretation, Yazd, 2002.
12. A one-day workshop on management of epidemics, focused on water, sewage and food health, Yazd, Iran, 2002.
13. Radiobiology and protection against radiation, Yazd, Iran, 2002.
14. A 2-days seminar on common skin diseases, Yazd, 2002.
15. A workshop on article writing in English, Yazd, 2002.
16. Seminar on sexually-transmitted diseases and AIDS, Yazd, February 2003.
17. Seminar on total quality management in health services, Yazd, February 2003,
18. The first national educational workshop on uniformity in chemical testing of water, Yazd, March 2003.
19. Breast cancer conference, Yazd, May 2003.
20. Seminar on perinatal autopsy, Tehran, September 2003.
21. The 2nd congress on quality improvement in medical diagnostic laboratory services, Tehran, January 2004.
22. The 42nd workshop on research methodology, Shahid Sadoughi University of medical sciences, Yazd, January 2004.
23. Workshop on manual immunohistochemistry with emphasis on process optimization, by DakoCytomation Company, Tehran, February 2004.
24. A workshop on SPSS statistical software, Yazd, August 2004.
25. Conference on vasculitis, Yazd, October 2004.
26. Sixth 3-days Annual seminar of Iranian pathology, Tehran, January 2005.
27. A 2-days workshop on "How to write biomedical research papers /articles in English, Yazd, January 2005.
28. Conference on cutaneous manifestations of sexually-transmitted diseases (STD), Yazd, January 2005.
29. Seminar of common regional skin diseases, Yazd, January 2005.
30. Conference on methods of lecturing in academic education", Yazd, March 2005.
31. Educational workshop on basic concepts and information technology, the technical and occupational education organization, Yazd, March 2005.
32. Educational workshop on file management, the technical and occupational education organization, Yazd, March 2005.
33. Educational workshop on internet, the technical and occupational education organization, Yazd, March 2005.
34. Self-education article entitled" Atypical adenomatous hyperplasia of lung", Reference Laboratories of Iran, Tehran, April 2005.
35. The first national congress on gynecologic oncology, Isfahan, May 2005.
36. A one-day workshop on "How to write CVs, letters, and recommendations in English", Yazd, May 2005."
37. Conference on Leishmaniasis, Yazd, June 2005.
38. Self-education by articles about serology, reference laboratories of Iran, Tehran, October 2005.
39. Self-education by articles about microbiology, Reference Laboratories of Iran, Tehran, October 2005.
40. Self-education by articles about biochemistry, Reference Laboratories of Iran, Tehran, October 2005.
41. Self-education by articles about hematology, Reference Laboratories of Iran, Tehran, October 2005.
42. Self-education by articles about sterilization methods, Reference Laboratories of Iran, Tehran, October 2005.
43. Workshop on planning in official systems (code 0311), by Management and Planning Organization, Yazd, October 2005.
44. Workshop on total quality management, by Reference Laboratories of Iran, Tehran, December 2005.
45. Seventh 3-days Annual Iranian Congress on Pathology, Tehran, December 2005.
46. The 4th congress on quality improvement in medical diagnostic laboratory services, Tehran, February

2006.

47. Conference on drug resistance in microorganisms, Yazd, March 2006.
48. Eight 3-days annual Iranian congress on pathology, Tehran, December 2006.
49. Workshop on flow cytometry, in the eight 3-days Annual Iranian Congress on Pathology, Tehran, December 2006.
50. Workshop on PCR, in the eight 3-days Annual Iranian Congress on Pathology, Tehran, December 2006.
51. Workshop on quality management in microbiology laboratory, in the eight 3-days Annual Iranian Congress on Pathology, Tehran, December 2006.
52. Workshop on quality management in serology laboratory, in the eight 3-days Annual Iranian Congress on Pathology, Tehran, December 2006.
53. Workshop on quality management in hematology laboratory, in the eight 3-days Annual Iranian Congress on Pathology, Tehran, December 2006.
54. A 4-days course on quality management in clinical chemistry, pathology, and parasitology in medical laboratories, Iran Reference Laboratories Research Center, Tehran, November 2006.
55. A 4-days Medicine and Laboratory Congress, Tehran, January 2007.
56. A one-day workshop on stem cell culture, in the Medicine and Laboratory Congress, Tehran, January 2007.
57. A 3-days workshop on SPSS software, Diabetes research center, Yazd, Iran, January 2007.
58. Razi congress of dermatology, Tehran, April 2007.
59. The second international award on student research and reproductive medicine, Yazd, May 2007.
60. A conference on psychology of consultation, Yazd, Iran, May 2007.
61. A conference on psychology of coordination, Yazd, Iran, May 2007.
62. Eight international congress on reproductive biomedicine and third international congress on stem cell biology and technology, Tehran, Sep 2007.
63. Ninth 3-days annual Iranian congress on pathology and third congress of Iranian cancer society, Tehran, November 2007.
64. Standard educational course on Microsoft Word 2003, Yazd, November 2007.
65. Educational course on Introduction to quality management system in medical laboratories, February 2008, Tehran, Iran.
66. Standard educational course on Microsoft PowerPoint 2003, Yazd, December 2007.
67. Conference on electronic education, Yazd, December 2007.
68. The second annual conference of the Iranian society of cytology, Isfahan, May 2008.
69. Standard educational course on Microsoft Excel 2003, Yazd, June 2008.
70. Standard educational course on Microsoft Access 2003, Yazd, June 2008.
71. "Non-effector defense in health system", Tehran, July 2008.
72. A 5-days workshop on management in blood transfusion services, Tehran, October 2008.
73. Seminar on breast diseases, Yazd, September 2008.
74. Tenth 3-days annual Iranian congress on pathology and fourth congress of Iranian cancer society, Tehran, November 2008.
75. The first international seminar on clinical embryology, Yazd, November 2008.
76. A two-day Joint seminar on new developments in transfusion medicine, in English, Iranian blood transfusion organization, Tehran, December 2008.
77. A one-day conference on cutaneous lesions in sexually-transmitted disease, Yazd, December 2008.
78. Conference on approach to irradiated patients in emergency department, Yazd, December 2008.
79. Workshop on principles of quality assurance based on ISO 9001:2000, Iran blood transfusion organization, Tehran, December 2008.
80. The second international and 7th national congress on quality improvement in medical diagnostic laboratory services, Tehran, April 2009.
81. Third Iranian annual congress on cytology, Isfahan medical university, May 2009.
82. The first international congress on diabetes and its complications, Yazd, May 2009.
83. Educational course on "requirements of ISO 9001: 2008, and essentials of internal audit for quality", Yazd, July 2009.

84. Conference on “Facts about drugs of abuse and adverse effects of addiction”, Yazd blood transfusion service, Yazd, January 2010.

85. Conference on “Applications of stem cells and tissue engineering in cardiovascular diseases”, Shahid Sadoughi University of medical sciences, Yazd, March 2010.

86. Fourth Iranian annual congress on cytology, Isfahan medical university, April 2010.

87. A two days conference on “Reproductive biology”, in the research and clinical center for infertility, Shahid Sadoughi University of medical sciences, Yazd, May 2010.

88. Conference on “Hepatitis C”, Shahid Sadoughi University of medical sciences, Yazd, June 2010.

89. Conference on traditional medicine & combined treatments & herbal drugs, Lorestan University of medical sciences, Khorramabad, November 2010.

90. Twelfth 3-days annual Iranian congress on pathology and sixth annual congress of Iranian cancer society, Tehran, November 2010.

91. Fifth Iranian annual congress on cytology, Isfahan medical university, April 2011.

(Further participations not listed after 2011)

I discontinue this list because there is no need for more.

Awards and honors:

1. Elected as No.1 in final exam after completion of 2 years of medical education, school of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran, 1988.

2. Elected as No.1 in final exam after completion of 3 years of medical education, school of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran, 1989.

3. Among the top 3% of students in pre-internship exam, school of medicine, Shahid Sadoughi University of medical sciences, Yazd, Iran, 1991.

4. Awarded an acknowledgement letter as the No.1 prominent physician of the Yazd province by the minister of health, at the world day of health, Tehran, Iran, 1995.

5. Awarded an acknowledgement letter as the top researcher in the 4th research festival of Isfahan University of Medical sciences, Isfahan, Iran, 1999.

6. Elected as ranked No.3 in pre-board exam and ranked No.5 in board exam of pathology specialty, Tehran, Iran, 2000.

7. TOEFL certificate with excellent score (ranked No. fifth in Iran) from Tarbiat-Modares University, October 2003.

8. IELTS certificate, with overall band score 7 (out of 9), September 2010.

9. Elected as the top researcher in the school of paramedicine, Shahid Sadoughi University of medical sciences, Yazd, Iran, 2013

10. Bronze medal in sprint running (400 m, 800 m athletics), Medigames, Marseilles, France, 2017.

Languages:

English: Fluent in speaking, writing, reading, and listening (IELTS score of 7)

Farsi: Native language

References:

Dr. Sedigheh Keyhani-Rofagha, MD, FIAC, Emeritus Professor, clinical pathology, Department of pathology, 1507 Chambers road, Room 201, Columbus, OH 43212-1568, USA. E-mail: sedigheh.keyhani-rofagha@osumc.edu

Dr. Parvin Mahzouni, MD, professor of pathology, head of the department of pathology, Isfahan University of Medical sciences, Isfahan, Iran. E-mail: Mahzouni@med.mui.ac.ir

Dr. Abbas Aflatoonian, MD, professor of gynecology and obstetrics, Shahid Sadoughi University of medical sciences, Yazd, Iran. E-mail: abbas_aflatoonian@yahoo.com

Dr. Mohammad-Bagher Khalili, PhD, associate professor of microbiology (retired), Shahid Sadoughi University of medical sciences, Yazd, Iran. E-mail: khalili_mb@yahoo.com