

## Research Projects

### International projects/ International funds

15. **2017-Present:** Pertussis Immunization programmes in Low and Middle Income Countries, Supported by Institut Pasteur International network (**Co-Investigator**).
14. **2014-2015:** National consultant to develop standardized guidelines for outbreak detection, investigation, management and control related to IHR, Supported by World Health Organization (WHO) (**Principal Investigator**).
13. **2013- 2014:** Review and update the guidelines/protocols and coordinate a nation-wide prevalence survey on resistance to anti-TB drugs among Iranian population, Supported by United Nations Development Programme (UNDP) (**Principal Investigator**).
12. **2013:** Survey on TB infection and guidelines for active case finding among health care providers in Iran, Supported by United Nations Development Programme (UNDP) (**Principal Investigator**).
11. **2013:** Developing protocol on Provider Initiated Testing (PIT) among TB patients, Supported by world health organization (WHO) (**Principal Investigator**).
10. **2012-2013:** National HIV Bio-behavioral Surveillance Survey (BSS) in prisoners, the 2<sup>nd</sup> round – Iran, Supported by Global Fund (**Co-Investigator**).
9. **2011:** A need assessment for developing culturally sensitive advocacy tools including fact sheets and multimedia on HIV/AIDS for policy makers, Supported by Joint United Nations Programme on HIV/AIDS (UNAIDS) (**Co-Investigator**).
8. **2010-2011:** Development of an evidenced-informed and gender sensitive model for HIV prevention among Injecting Drug Users (IDUs) and their heterosexual partners, mainly their spouses, Supported by United Nations Office on Drugs and Crime (UNODC) (**Co-Investigator**).
7. **2010-2011:** Production of a new ELISA kit based on the use of Dried Blood Spots Sampling for Crimean-Congo hemorrhagic fever screening in “high-risk” regions, Supported by WHO EMRO grant (**Co-Investigator**).
6. **2010-2011:** National HIV Bio-behavioral Surveillance Survey (BSS) in Female Sex Workers (FSWs), the 1<sup>st</sup> round – Iran, Supported by Global Fund (**Co-Investigator**).
5. **2010-2011:** National HIV Bio-behavioral Surveillance Survey (BSS) in Injecting Drug Users (IDUs), the 2<sup>nd</sup> round – Iran, Supported by Global Fund (**Co-Investigator**).
4. **2009-2011:** Threshold survey for evaluating the transmitted HIV drug resistance mutations of Pro and RT gene in Iran 2009, Supported by WHO (**Co-Investigator**).
3. **2008-2009:** National HIV Bio-behavioral Surveillance Survey (BSS) in prisoners, the 1<sup>st</sup> round – Iran, Supported by Global Fund (**Co-Investigator**).
2. **2009:** Preparation of a national guideline for HIV drug resistance, a joint project between Pasteur Institute of Iran and World Health Organization (WHO) (**Co-Investigator**).
1. **2008:** Phylogenetic Study of Crimean Congo Hemorrhagic Fever virus extracted from ticks existing in Isfahan province, Central region of Iran, Supported by WHO EMRO small grant (**Co-Investigator**).

### National/local projects

76. **2019-Present:** Study of West Nile virus infection in collected Culex mosquitoes in Mazandaran province, Supported by National institute for medical research development and Pasteur Institute of Iran (**Co-Investigator**).
75. **2018-Present:** Impact of climate changes on the distribution of *Aedes aegypti* and *Aedes albopictus* in Iran, Supported by National institute for medical research development (**Principal Investigator**).
74. **2018-Present:** Evaluation of frequency of Culture Negative Endocarditis agents in exchanged heart valves in Shahid Rajaei’s cardiology hospital during the 2012- 2016, Supported by Pasteur Institute of Iran and Shahid Beheshti University of Medical Sciences (**Co-Investigator**).
73. **2017-Present:** Isolation and molecular identification of *Francisella* spp in western Iran, Supported by National institute for medical research development and Pasteur Institute of Iran (**Co-Investigator**).

72. **2017-Present:** Study on the frequency of mutations in target regions of the new anti-HCV drugs in genotype 1b, and impact of those mutations on their response to treatment, Supported by Pasteur Institute of Iran (**Co-Investigator**).
71. **2017-Present:** Designing of Immuno-capture ELISA kit for measurement of G glycoprotein of rabies vaccine, Supported by Pasteur Institute of Iran (**Co-Investigator**).
70. **2017- Present:** Evaluation of gut microbiota in patient with inflammatory bowel disease and comparison with normal population, Supported by Pasteur Institute of Iran (**Co-Investigator**).
69. **2017-Present:** Evaluation of Tick Borne Encephalitis Virus infection in Ixodid ticks from Mazandaran province, Supported by Pasteur Institute of Iran (**Co-Investigator**).
68. **2017-Present:** Rodent-borne emerging and re-emerging zoonotic diseases in the north-western Iran: molecular epidemiology, taxonomy, population genetics, and phylogeny of the reservoir hosts and pathogens, Supported by National institute for medical research development and Pasteur Institute of Iran (**Principal Investigator**).
67. **2017-2018:** Serological analysis for presence of IgG antibody against Chikungunya in serum of Sistan & Baluchistan province residents, Supported by Pasteur Institute of Iran (**Co-Investigator**).
66. **2016-2018:** Serological and Molecular analysis of serum from patients with symptoms of Hantavirus infection in Iran, Supported by Pasteur Institute of Iran (**Co-Investigator**).
65. **2016-2018:** Serological analysis of the presence of IgG antibody against West Nile infection in human habitant in Khuzestan province, Supported by Pasteur Institute of Iran (**Co-Investigator**).
64. **2016-2019:** Investigating imported automobile tires as a potential source of introduction of *Aedes* mosquito vectors into Iran, Supported by National institute for medical research development and Pasteur Institute of Iran (**Co-Investigator**).
63. **2016-Present:** Study of the infection of hard ticks (Ixodidae) originating from north and northwest of Iran to *Borrelia burgdorferi*, *Francisella tularensis*, and *Coxiella burnetii*, Supported by Pasteur Institute of Iran (**Principal Investigator**).
62. **2016-2018:** Design and manufacturing of a rapid diagnostic kit to detect antibody against *Yersinia pestis* in humans and wild animals, Supported by Pasteur Institute of Iran (**Co-Investigator**).
61. **2015-2016:** Isolation and molecular identification of *Francisella* spp. from water samples in western Iran, Supported by Pasteur Institute of Iran (**Principal Investigator**).
60. **2015-2016:** Biobehavioural surveillance survey of HIV, Hepatitis B and Hepatitis C among homeless people in Khorram Abad; Supported by Ministry of Health and Medical Education, Pasteur Institute of Iran and Lorestan University of Medical Sciences(**Principal Investigator**).
59. **2015-2016:** Serological survey of Crimean Congo haemorrhagic fever (CCHF) in the imported camels by ELISA method and molecular and phylogenetic study of CCHF virus genome in the ticks of the camels by RT-PCR; Supported by Ferdowsi University of Mashhad (**Co-Investigator**).
58. **2015-2016:** Monitoring of rodents and rabbits for *Francisella tularensis* in Iran, Supported by Ministry of Health and Medical Education, Pasteur Institute of Iran (**Principal Investigator**).
57. **2014-2015:** Detection of Crimean-Congo hemorrhagic fever virus in field-collected ticks in Alashtar and Aligudarz districts, Lorestan Province, Supported by Lorestan University of Medical Sciences and Pasteur Institute of Iran (**Co-Investigator**).
56. **2014-2015:** Seroepidemiological survey of Q fever in sheep in Lorestan Province, Supported by Lorestan University of Medical Sciences and Pasteur Institute of Iran (**Principal Investigator**).
55. **2014-2016:** Detection of biotinidase enzyme in the blood for screening and diagnosis of biotinidase deficiency, Supported by Pasteur Institute of Iran (**Co-Investigator**).
54. **2014- 2015:** Identification of atypical mycobacterium isolates extracted from clinical samples, Supported by Pasteur Institute of Iran (**Co-Investigator**).
53. **2014-2015:** High risk behaviors among Male to Female trans-sexuals; a qualitative study, Supported by Ministry of Health and Medical Education, Iran University of Medical Sciences and Pasteur institute of Iran (**Principal Investigator**).

52. **2014:** Seroepidemiology of HSV-2, HAV, HEV and syphilis among homeless people in Tehran, Supported by Ministry of Health and Medical Education (*Principal Investigator*).
51. **2013- 2014:** Prevalence of West Nile virus infection among Culicidae mosquitoes in Lorestan province, Supported by Lorestan University of Medical Sciences (*Co-Investigator*).
50. **2013-Present:** The Prevalence survey of Q fever endocarditis among infective endocarditis in two Heart Hospital in Tehran, Supported by Ministry of Health and Medical Education (*Principal Investigator*).
49. **2013- 2014:** Analysis of Iranian Medical Universities Research performance by normalized Indicators, Supported by Deputy of Research in Ministry of Health and Medical Education (*Principal Investigator*).
48. **2013- 2014:** Mapping the scientific publications of Pasteur Institute of Iran in Web of Science Database according to Scientometric indicators, comparing with selected national and global research institutions in 2008-2012, Supported by Pasteur Institute of Iran (*Principal Investigator*).
47. **2013- 2014:** Spatial modeling of non-communicable diseases in Iran, Supported by Pasteur Institute of Iran and Ministry of Health and Medical Education (*Principal Investigator*).
46. **2013- 2015:** Taxonomic revision of rodent species of different localities of Iran and a survey on pathogenic agents and ectoparasites of each species regarding hygienic priority, Supported by Ferdowsi University of Mashhad, Pasteur Institute of Iran and Ministry of Health and Medical Education (*Principal Investigator*).
45. **2013- 2015:** Exploring the pattern of sexual behaviors in drug using male who have sex with male (MSM) in the drug addiction rehabilitation centers: a qualitative study, Supported by Ministry of Health and Medical Education (*Principal Investigator*).
44. **2013- 2016:** Designation of syndromic surveillance system and its connection to SEPAS system, Supported by Ministry of Health and Medical Education (*Principal Investigator*).
43. **2013- 2015:** Serum survey of efficacy of inactivated rabies vaccine under current regimen with IM injection of 5 rabies vaccine doses (Essen) in post-exposure prophylaxis in patients with altered health condition treated in Pasteur Institute of Iran, Supported by Pasteur Institute of Iran (*Co-Investigator*).
42. **2012- 2014:** Comparing efficacy of two strategies of HBV vaccination in HIV infected patients, Supported by Pasteur Institute of Iran (*Co-Investigator*).
41. **2012- 2015:** A survey on incidence and prevalence of Leptospirosis in suspected cases from Mazandaran and Golestan Provinces using IFA, and comparison of results with Real time PCR, PCR and ELISA results, Supported by Pasteur Institute of Iran (*Co-Investigator*).
40. **2012- 2014:** Compilation and Execution of a Structure for Laboratory Animal Training, Supported by Pasteur Institute of Iran (*Co-Investigator*).
39. **2012- 2014:** Seroepidemiological survey of visceral leishmaniasis in domestic dogs of Meshkin Shahr, Ardebil Province using ELISA, rK39 and DAT, Supported by Pasteur Institute of Iran (*Co-Investigator*).
38. **2012- 2014:** Design and development of an ELISA Kit for the detection of human *Mycobacterium tuberculosis*, Supported by Pasteur Institute of Iran (*Co-Investigator*).
37. **2012- 2014:** A study on the association between molecular markers and clinico-pathological finding in breast cancer patients, Supported by Pasteur Institute of Iran (*Co-Investigator*).
36. **2012- 2014:** Molecular identification and characterization of genotype of Acanthamoeba and Microsporidia in corneal scraping samples in patients with keratitis referring to Farabi hospital, Supported by Pasteur Institute of Iran (*Co-Investigator*).
35. **2012-2013:** A study on the infection rate of hard ticks (Ixodidae) and soft ticks (Argasidae) of livestock of Khoram Abad city to Crimean Congo haemorrhagic fever infection, Supported by Lorestan University of Medical Sciences (*Co-Investigator*).

34. **2012- 2014:** Investigating the evolution of HCV NS5A region in relation to Peg IFN+RBV therapy in Iran, Supported by Pasteur Institute of Iran and Baghiatallah Research center for Gastroenterology and Hepatology (**Co-Investigator**).
33. **2012:** Re-vision of research courses in M Phil Curriculum of Doctoral PhD Degree in Iran, Supported by vice chancellor for research and technology of Ministry of health and medical education and Pasteur institute of Iran (**Principal Investigator**).
32. **2012:** The Prevalence survey of Hepatitis B, Hepatitis C and TB-HIV co-infection among homeless persons in Tehran Province, Supported by Centre for Disease control, Ministry of Health and Medical Education and Pasteur Institute of Iran (**Principal Investigator**).
31. **2012:** Seroepidemiological survey of Q fever, CCHF, Leptospirosis and Brucellosis in butchers and slaughterhouses workers of Sistan and Baluchestan Province, Supported by Ministry of Health and Medical Education and Pasteur institute of Iran (**Principal Investigator**).
30. **2012:** Seroepidemiological survey of Crimean Congo hemorrhagic fever in local and imported Cattle in Southeast of Iran, Supported by Pasteur institute of Iran (**Principal Investigator**).
29. **2011-2012:** Seroepidemiological survey of Q fever in sheep of Ardebil Province, Supported by Pasteur institute of Iran (**Principal Investigator**).
28. **2011-2012:** Evaluation of the prevalence of underlying coagulopathies in menorrhagic adolescents in Tehran, Supported by Iran University of Medical Sciences (**Co-Investigator**).
27. **2011-2013:** Study on frequency of Enterovirus 71 in viral meningoencephalitis, acute flaccid paralysis, and Hand-Foot and mouth disease in children with less than 8 years old from pediatric hospitals in Tehran, Supported by Pasteur Institute of Iran (**Co-Investigator**).
26. **2011-2013:** Determining HIV-1 subtypes and drug-resistance mutations among infected individuals from various HIV high risk population in Tehran province, Supported by Pasteur Institute of Iran (**Co-Investigator**).
25. **2011- 2013:** Evaluation of the effect of zinc supplementation in treatment of tuberculosis patient, Supported by Pasteur Institute of Iran (**Co-Investigator**).
24. **2011- Present:** Monitoring of emerging and reemerging infectious diseases in Iran, Supported by Ministry of Health and Medical Education and Pasteur Institute of Iran (**Principal Investigator**).
23. **2011-2012:** Prevalence of inherited coagulation disorders among women with menorrhagia in Tehran, Supported by Tehran University of Medical Sciences (**Co-Investigator**).
22. **2011-2012:** Knowledge, attitude and practice of the clergy associated toward HIV AIDS, Supported by Kerman University of Medical Sciences (**Principal Investigator**).
21. **2011:** Seroepidemiological survey of Q fever in sheep of Mazandaran Province, Supported by Pasteur Institute of Iran (**Principal Investigator**).
20. **2011:** Seroepidemiological survey of Crimean Congo Hemorrhagic Fever (CCHF) in sheep of Mazandaran Province, Supported by Pasteur Institute of Iran (**Principal Investigator**).
19. **2011:** A study on the trend of Brucellosis in Human and Animal population of Iran using Geographic Information System (GIS) during 1991 to 2008, Supported by Pasteur Institute of Iran (**Principal Investigator**).
18. **2010:** Comparison of Institute Pasteur of Iran with Iranian and foreigner research institutes based on Scientific Impact Factors, Supported by Pasteur Institute of Iran (**Principal Investigator**).
17. **2010:** Determining the mutations in the coding parts of genes XRCC2 and their relationship with differentiated thyroid carcinoma, Supported by Tehran University of Medical Sciences (**Co-Investigator**).
16. **2010-2011:** Comparing the expression of VEGF, EGF, FGF, KGF and PDGF in Autologous Fibroblast scaffold culture alone and Combined with low level laser in Diabetic mice, Supported by Tehran University of Medical Sciences (**Co-Investigator**).
15. **2010:** Prioritization of Researches in Pasteur Institute of Iran, Supported by Pasteur Institute of Iran (**Co-Investigator**).



14. **2009-2010:** Scientific products of Pasteur Institute of Iran authors with co-authorship networks in Web of Science (WOS) database, Supported by Pasteur Institute of Iran (**Principal Investigator**).
13. **2009-2011:** Modeling for appropriate management of communicable diseases in abnormal situations (epidemics) in different provinces of Iran, A joint project between Pasteur Institute of Iran and Centre for Disease Control, Ministry of Health and Medical Education (**Co- Investigator**).
12. **2009-2011:** Serological and molecular study of Dengue fever in serum samples of probable patients of hemorrhagic fevers referred to laboratory of Arboviruses and viral hemorrhagic fever, Supported by Infectious Diseases and Tropical Research Network, Ministry of Health and Medical Education (**Co-Investigator**).
11. **2009-2011:** Study of West Nile Fever disease in livestock and human population of the North and center of Iran, Supported by Infectious Diseases and Tropical Research Network, Ministry of Health and Medical Education (**Co-Investigator**).
10. **2009-2011:** Molecular diagnosis of Crimean-Congo hemorrhagic fever virus in ticks of livestock, Varamin, Tehran province, Supported by Pasteur Institute of Iran (**Co-Investigator**).
9. **2009-2011:** Impact of Occult Hepatitis B infection on Interferon therapy in HCV infected patients referring to Tehran Hepatitis Center in 1388-89, Supported by Pasteur Institute of Iran (**Co-Investigator**).
8. **2009-2011:** The prevalence of salmonella infection in eggs bought in Tabriz *supermarkets*, Supported by University of Tabriz (**Co-Investigator**).
7. **2009:** A bridging study to evaluate the hepatitis B vaccine produced by Pasteur Institute of Iran, Supported by Pasteur Institute of Iran (**Methodological Designer**).
6. **2009:** Determination of the hepatitis B genotype in Intravenous drug user (IDU) prisoners carrying HBsAg in Tehran using RFLP-PCR molecular studies, a joint project between Pasteur Institute of Iran and Baqiyatallah University of Medical Sciences (**Co-Investigator**).
5. **2009:** Comparison of drug resistance mutations related to Lamivudine in patients infected with hepatitis B and patients with concurrent HBV/HIV infection, Supported by Pasteur Institute of Iran (**Co-Investigator**).
4. **2007:** Evaluation of the personality of veterinary students to study and work in this field, Supported by University of Tehran (**Co-Investigator**).
3. **2006:** Seroepidemiological study of Leptospirosis in Bouyer Ahmad cows, Supported by Islamic Azad University, Yasuj Branch (**Co-Investigator**).
2. **2001:** Use of pancreatic allograft transplantation in dogs, Supported by Shiraz University (**Co-Investigator**).
1. **2000:** Microscopic study of renal vessels before and after birth in Mehraban sheep, Supported by Shiraz University (**Co-Investigator**).

## 1. Student theses (Supervision or advisory)

30. **2018-Present:** Seroprevalence evaluation of tularemia in sheep and cattle herds and *Francisella tularensis* contamination in water sources of Kurdistan province by qPCR method, PhD thesis of Bacteriology, Islamic Azad University, Tehran, Iran.
29. **2018- Present:** Genotyping of antibiotic resistant isolates of *Pseudomonas aeruginosa* isolated from urinary tract infections by PFGE and MLST methods, PhD thesis of Medical Bacteriology, Pasteur Institute of Iran, Tehran, Iran.
28. **2017- Present:** Serological and molecular analysis of Tularemia and Brucellosis in rodents in west of Iran, PhD thesis of Bacteriology, University of Kerman, Kerman, Iran.
27. **2017-2019:** Study of Q fever and CCHF infection of ticks collected from domestic animals in farms and slaughterhouse in Shahr-e Rey, MSc. thesis of Medical Entomology, Tehran University of Medical Sciences, Tehran, Iran.

26. **2017-Present:** The genotyping survey of positive toxin-*Clostridium difficile* strains isolated from the nursing home with methods of PCR-Ribotyping, PFGE and MLVA, PhD thesis of Medical microbiology, Tarbiat Modares University, Tehran, Iran.
25. **2016-2019:** Genotyping of *Coxiella burnetii* in Iran by MLVA, MLST and SNP Real-time, PhD thesis of Medical microbiology, Tarbiat Modares University, Tehran, Iran.
24. **2014-2016:** Factors affecting the occurrence of FMD in the cattle in Iran and determining the temporal and spatial disease clusters during 2012-2014, Ph.D. thesis of Epidemiology, University of Tehran, Tehran, Iran.
23. **2014-2016:** Seroepidemiology survey of Q fever in patients with Brucella-like symptoms and atypical pneumonia referred to Razi hospital in Ghaemshahr, Ph.D. thesis of infectious diseases and tropical medicine, Mazandaran University of Medical Sciences, Sari, Iran.
22. **2014-2016:** Comparison of Rodent genetic structure (with emphasizes on *Meriones persicus*) and study on flea infection to *Yersinia pestis* in two regions of Iran with Plaque historic and no-historic background, MSc. thesis of Medical Entomology, Tehran University of Medical Sciences, Tehran, Iran.
21. **2014- 2018:** The Explanation of the Spatial Distribution of Cancer Diseases in Urban Health Pattern: Case study of Tehran metropolitan, Ph.D. thesis of Geography and Urban Planning, Tarbiat Modares University, Tehran, Iran.
20. **2013- 2015:** Study on fauna of the rodents, their ectoparasites and Helminths endoparasites in west and southwest of Kurdistan province, MSc. thesis of Medical Entomology, Tehran University of Medical Sciences, Tehran, Iran.
19. **2013-2017:** HIV-1 drug resistance transmission threshold survey and prediction of virus Co-receptor Usage (Tropism) by Genotypic and bioinformatics approaches in Khuzestan province, Ph.D. thesis of Medical Virology, Jundishapur University of Medical Sciences, Ahvaz, Iran.
18. **2013-2015:** Spatial modeling of cutaneous leishmaniasis using GIS in the last thirty years (1983-2013) in Iran, MSc. thesis of Epidemiology, Tehran University of Medical Sciences, Tehran, Iran.
17. **2013- 2016:** Identifying phylodynamic of HIV-1 (specific subtype) in Iran, Ph.D. thesis of Epidemiology, Kerman University of Medical Sciences, Kerman, Iran.
16. **2013- 2017:** In vitro and clinical trial evaluation of 8 Iranian species of Pomegranate (*Punica granatum L*) as an antifungal agents against more prevalent specimens in patients with oral candidiasis, Ph.D. thesis, Pasteur institute of Iran, Tehran, Iran.
15. **2012-2013:** Association of the relation between viral load and Cytokines level of IL-1 $\alpha$ , IL-6, IL 10 and TNF- $\alpha$  with severity of Crimean Congo Hemorrhagic Fever diseases in Iranian patients, MSc. thesis of Microbial Biotechnology, Payam Noor University, Tehran, Iran.
14. **2012- Present:** Molecular and seroepidemiological survey of rodent infection against Leptospirosis in three northern provinces of Iran using culture, microagglutination test and polymerase chain reaction (PCR), Ph.D. thesis, Pasteur institute of Iran, Tehran, Iran.
13. **2012- 2018:** Development of a method for detection of recent HIV infections and comparison with BED-CEIA, Ph.D. thesis of Biotechnology, Pasteur institute of Iran, Tehran, Iran.
12. **2012- 2014:** Comprehensive study on Crimean-Congo haemorrhagic fever virus variants circulation in Iran, Ph.D. thesis of Microbiology, Pasteur institute of Iran, Tehran, Iran.
11. **2012-2013:** A survey of Crimean Congo Haemorrhagic Fever in camel's blood serum by ELISA method and attached ticks by RT-PCR technique in the north east of Iran; Ph.D. thesis of Internal veterinary medicine, Ferdowsi University, Mashhad, Iran.
10. **2012-2013:** Spatial and temporal modeling of multiple sclerosis in Tehran; MSc. thesis of Epidemiology, Tehran University of Medical Sciences, Tehran, Iran.
9. **2011-2013:** Determination of viral infection rate of hard ticks to Crimean Congo haemorrhagic fever and their distribution pattern using Geographic Information System (GIS) in the Kashan district, Isfahan province; MSc. thesis of Medical Entomology, Tehran University of Medical Sciences, Tehran, Iran.

8. **2011-2012:** Determination of virulence factors of EPEC strains isolated from diarrheal and asymptomatic persons, MSc thesis of Biology, Science and Research Branch, Islamic Azad University, Tehran, Iran.
7. **2011-2012:** Determining the virulence factors of E-coli enteropathogenic atopic in diarrheal patient, MSc. thesis of Medical Microbiology, Pasteur Institute of Iran, Tehran, Iran.
6. **2011- 2014:** Investigation of miRNA biomarkers role involved in Notch1 signaling pathway in Acute Lymphoblastic Leukemia (ALL) as biomarkers in diagnosis and therapeutic purposes; PhD thesis of Medical Biotechnology, Pasteur Institute of Iran, Tehran, Iran.
5. **2011- 2014:** Evaluation of miRNAs expression on genes-mediated inhibition of metastatic breast cancer; Ph.D. thesis of Medical Biotechnology, Pasteur Institute of Iran, Tehran, Iran.
4. **2010-2011:** Evaluation of the effects of Mentha Spicata Essence against *Listeria monocytogenes* in traditional Lighvan Cheese; DVM thesis, University of Tabriz, Tabriz, Iran.
3. **2010-2011:** Descriptive study of dystocias due to fetal monstrosities referred to the Faculty of Veterinary Medicine, University of Tabriz during 2006-2010, University of Tabriz, Tabriz, Iran.
2. **2010-2012:** Evaluation of presence of BoLA-DRB3 resistance and susceptible alleles in Iranian cattle breeds in relation to bovine leukemia virus; PhD thesis of Clinical Pathology, Faculty of veterinary medicine, University of Tehran, Tehran, Iran.
1. **2010-2011:** Relationship between mutations in the coding parts of genes XRCC2 with differentiated thyroid carcinoma: a case control study; MSc thesis of Clinical Biochemistry, Tehran University of Medical Sciences, Tehran, Iran.