

Curriculum vitae of Dr Marjan Rahnamaye Farzami



Name :

Marjan Rahnamaye Farzami

Date and Place of Birth :

1968-6-12 , Tehran , Iran

Current position :

Head of Reference Laboratory

Reference Health Laboratory

Ministry of Health and Medical Education

No. 48, Keikhosro Shahrokh Alley, Zartoshtian Street, Hafez Avenue, Tehran 11316, I.R . Iran

Tel. (Work) : 00982166740040

(Cell) : 00989123781899

(Home) : 00982122556508

E.mail : marjan.farzami@gmail.com

Farzami@health.gov.ir

License & Specialty :

- Doctorate in Medicine
- Specialist in Pathology, National board in Pathology and laboratory medicine

- Associate Professor of Pathology and laboratory medicine
- License for audition of Quality Management Standards, ISO 15189:2003, ISO 9001:2000, ISO 13485
- License for lead audition of Quality Management System ISO 9001:2005

Previous Positions :

- Deputy of Quality Assurance Management office
Reference Health Laboratory, Ministry of Health & Medical education
- Head of National committee of Anatomical Pathology
Reference Health Laboratory, Ministry of Health & Medical education
- Technical manager of Reference Laboratories-research center
Reference Laboratories- Research center-Ministry of Health & medical Education
- Head of technical committee for medical laboratory standards (technical committee 212)
Iran National Standards Organization

Professional Membership:

- • Head of National Reference Laboratory of Antimicrobial resistance - Ministry of Health & Medical Education
- National Focal point of PulseNet Middle East for foodborne diseases in WHO
- Head of Microbiology scientific committee –Ministry of Health & Medical Education
- Member of Codex technical committee for Antimicrobial resistance
- Member of National Antimicrobial Resistance Committee- Ministry of Health & Medical Education
- Member of National Food and Waterborne Diseases Committee – Ministry of Health & Medical Education

- Member of recognized AMR experts to support Structured Operational Research and Training Initiative (SORT IT)
- Iranian Medical Council
- Iranian Society of Pathology
- In vitro Diagnostics Committee - Ministry of Health & Medical Education

Publications (In English):

- **An Overview of a New Approach in Evaluation, Verification and Validity of IVDs**

Performance in Iran

Siamak MIRAB SAMIEE, Marjan RAHNAMAYE FARZAMI, Mehri ALIASGHARPOUR, Mehdi RAFIE, Beata ENTEKHABIE, and Fariba SABZAVIE*

Iranian Journal of public health. Vol. 42. No.1

- **Challenges of Implementing Iranian National Laboratory standards**

N Safadel, P Dahim, S Anjarani, M Rahnamaye Farzami, S Mirab Samiee, R Amini, Sh Farsi, S Mahdavi, K Khodaverdian, and F Rashed Marandi*

Iranian Journal of public health. Vol. 42 . Sup 1,2013

- **Development of In-House Multiplex Real Time PCR for Human Papillomavirus Genotyping in Iranian Women with Cervical Cancer and Cervical Intraepithelial Neoplasia**

*Sohrabi A¹, Mirab-Samiee S, Modarresi MH, Izadimood N, Azadmanesh K, Rahnamaye-Farzami M **

Asian Pacific Journal of Cancer Prevention 2014 Vol. 15

- **C13Orf18 and C1ORf166 (MULAN) DNA Genes Methylation Are not Associated with Cervical Cancer and Precancerous Lesions of Human Papillomavirus Genotypes**

Sohrabi A¹, Mirab-Samiee S, Rahnamaye-Farzami M, Rafizadeh M, Akhavan S, Hashemi-Bahremani M, Modarresl MH.

Asian Pacific Journal of Cancer Prevention 2014 Vol. 15

- **A survey on urinary pathogens and their antimicrobial susceptibility among patients with significant bacteriuria**

Farinaz Rashedmarandi, Marjan Rahnamayefarzami, Mahnaz Saremi, Roghayeh Sabouri

Iranian Journal of Pathology (2008)3 (4), 191-196

•Assessing Clonal Correlation of Epidemic Vibrio cholera Isolates During 2011 in 16 Provinces of Iran

Hajia M, Rahbar M, Rahnamaye Farzami M, Masoomi Asl H.,

Current Microbiology 2014

• Association between the expression of hormone receptors, HER-2/neu overexpression and tumor characteristics in women with primary breast cancer

M Farzami, S Anjarani, N Safadel, R Amini, M Moghaddam, B Roosta, S Nazari, S Sane

Internet Journal of Pathology 2008 Vol .8 No. 2

• Efficacy of multiplex PCR procedure for Iranian Streptococcus pneumonia isolates

Hajia M, Rahbar M, Rahnamaye Farzami M, Dolatyar A, Imani M, Saburian R, Farzanehkhah M

Caspian Journal of Internal Medicine 2014; 5(2)

• Implementation of Quality Management System in Iranian Medical Laboratories

P Dahim , R Amini , N Safadel , F Rashed Marandi, K Khodaverdian, M Rahnamaye Farzami

Iranian J Publ Health, Vol. 38, Suppl. 1, 2009

• Cervical Cancer Prevention in Iran , Policy Brief

Azin Nahvijou , Kazem Zendehtdel, Maryam Hadji, Arash rashidian, Mohammad Ali Mohagheghi, Azam Sadat Mousavi, Fatemeh Nadali, Marjan Farzami, Mehrandokht Abedini, Reza Shahsiah, Nahid Khodakarami, Reza Ghiasvand, Sima Sajedi Nejad, Farnaz Amouzgar

• Real-time Assay as a Tool for Detecting lytA gene in Streptococcus pneumonia isolates

Masoud Hajia, , Mohammad Farzanehkhah, Bahareh Hajihashemi, ,AliReza Dolatyar, Mohsen Imani,, Roghieh Saburian, Marjan Rahnamaye Farzami, Mohammad Rahbar,*

CELL JOURNAL(Yakhteh), Vol 16, No 2, Summer 2014

• Trace Elements in Human Nutrition: a review

Mehri Aliasgharpour, Marjan Rahnamaye-Farzami

Feyz Journal of Kashan University of Medical sciences

• A study on prevalence of KPC producing from Klebsiella pneumoniae using Modified Hodge Test and CHROMagar in Iran

Haji Hashemi B., Farzanehkhah M.Dolatyar A, Imani M, Farzami M R, Rahbar M and Hajia M

Annals of Biological Research 2012,3(12)

• Comparison of in house multiplex Real-time PCR Diagcore Genoflow HPV array test and INNO-LiPA HPV Genotyping Extra assays with LCD Array Kit for Human Papilloma Virus Genotyping in Cervical Liquid Based Cytology Specimens and Genital Lesions in Tehran,Iran

Amir Sohrabi¹, Marjan Rahnamaye Farzami², Siamak Mirab-Samiee, Saeed Mahdavi , Monireh Babaaei

Clin Lab.2016;62: 615-619

• Determination of tetracycline resistance Genes in *Vibrio cholerae* O1 biotype El Tor serotype inaba strains isolated from Outbreaks occurred in Iran in 2013

Azin Khany , Mitra Salehi , Marjan Rahnamaye Farzami

International Journal of Medical Research and Health Sciences,2016,5,5:121-126

•Comparative Analytical Performance of Various HbA1c Assays in Iran

Farideh Razi , Marjan Rahnamaye Farzami , Soltan Ahmad Ebrahimi , Mehrzad Nahid , Mostafa Gholi Bigdeli , Ali Sheidaei , Anoosheh Ghasemian , Ali Tootee , Tahereh Keramati , Ensieh Nasli Esfahani , Bagher Larijani,Parvin Pasalar

Arch Iran Med. 2016; 19(6): 414 – 419

•Priority Setting for Improvement of Cervical Cancer Prevention in Iran

A akgozar, N KhodakK Zendehtelarami, M Abedini, F Amouzegar Hashemi, M Rahnamaye Farzami, R Shahsiah, S Sajedinejad, , MA Mohagheghi, F Nadali, A Rashidian, E Weiderpass, O Mogensen

International Journal of Health Policy and Management 2016Apr;5(4):225-232

•Harmonization of serum 25-hydroxycalciferol assay results from high-performance liquid chromatography, enzyme immunoassay, radioimmunoassay and immunochemiluminescence systems:A multicenter study

Bahareh Nikooyeh , Siamak M. Samiee, Marjan R. Farzami , Hamid Alavimajd , Maliheh Zahedirad , Ali Kalayi ,Nastaran Shariatzadeh Nasrin Boroumand , Elham Golshekan, Yalda Gholamian, Tirang R. Neyestani

Journal of Clinical Laboratory Analysis-2017

•Correlation of the native inaba strain with the dominant isolated strains Obtained from outbreaks in 2013 in Iran

Marjan Rahnamaye Farzami, Massoud hajia , Alireza Dolatyar, Mohsen Imani, Roghieh Saburian, mohamad rahbar

International Journal of Enteric pathogens - 2016

- **Glutathione S-transferase omega gene polymorphism as a biomarker for human papilloma virus and cervical cancer in Iranian women**

Sara Zamani, Amir Sohrabi, Marjan Rahnamaye-Farzami, Seyed Masoud Hosseini

Journal of the Turkish-German Gynecological Association .2018

- **Investigating the Accessory Colonization Factor (ACF) Cluster in Clinical Strains of *Vibrio cholerae* Isolated during 2011-2012 in Iran**

Hajar Mohammadi Barzelighi, Marjan Rahnamaye Farzami, Shabnam Zeighami Alamdari, Mohammad Rahbar

Infect Epidemiol Med. 2017

- **Molecular Epidemiology of Vancomycin-Resistant *Enterococcus faecalis* and *Enterococcus faecium* Isolated from Clinical Specimens in the Northwest of Iran**

Ali Jahansapas, Mohammad Ahangarzadeh Rezaee, Alka Hasani, 1,2 Yaeghob Sharifi, Marjan Rahnamaye Farzami, Alireza Dolatyar, and Mohammad Aghazadeh

Microbial Drug Resistance -2018

- **Deregulation of miR-21 and miR-29a in Cervical Cancer Related to HPV Infection**

Sara Zamani, Amir Sohrabib., Seyed Masoud Hosseinia, Marjan Rahnamaye-Farzami and Abolfazl Akbarid

MicroRNA, 2019, 8, 110-115

- **Activity of Temocillin and comparators against clinical isolates of *Vibrio cholerae* from Iran**

Mohammad Rahbar & Rogieh Saboorian1 & Sebastien Van de Velde & Marjan Rahnamaye Farzami & Masoud Mardani

European Journal of Clinical Microbiology & Infectious Diseases-2019

- **Correlation of Maternal Age, Weight, Pregnancy-associated Plasma Protein A, Free Beta-human Chorionic Gonadotropin, Fetal Crown-rump Length, and Fetal Gender with Fetal DNA Fraction in Non-invasive Prenatal Testing: An Experiment on Iranian Pregnant Women**

Milad Dolatkah, Marjan Rahnamaye Farzami, Ramezan-Ali Khavari-Nejad, Shokoofe Noori

Iranian Journal of Neonatology. 2020 March

- **Streptococcus agalactiae clinical isolates in Northwest Iran: antibiotic susceptibility, molecular typing, and biofilm formation**

Mohammad Alipour Shadbad, Hossein Samadi Kafil, Mohammad Ahangarzadeh Rezaee, Marjan Rahnamaye Farzami, Alireza Dolatyar Dehkharghani, Javid Sadeghi, Pourya Gholizadeh, Farzaneh Khodaei, Mohammad Aghazadeh

GMS Hygiene and Infection Control 2020, Vol. 15, ISSN 2196-5226

- **First-trimester Combined Screening for Trisomies 21, 18, and 13 by Three Closed Chemiluminescence Immunoassay Analyzers (an Experiment on Iranian Pregnant Women)**

Milad Dolatkah, Shokoofe Noori, Ramezan-Ali Khavari-Nejad, Marjan Rahnamaye Farzami

Iranian Journal of Neonatology. 2020 March

- **Shiga toxin-producing bacteria as emerging enteric pathogens associated with outbreaks of foodborne illness in the Islamic Republic of Iran**

Elahe Tajeddin, Leila Ganji, Zahra Hasani, Fahimeh Sadat Ghoalm Mostafaei, Masoumeh Azimirad, Parisa Torabi, Seyed Reza Mohebbi, Nooshin Aghili, Mohammad Mehdi Gouya, Babak Eshrati, Mohammad Rahbar, Siamak Mirab Samiee, Marjan Rahnamaye Farzami, Mohammad Reza Zali and Masoud Alebouyeh

EMHJ – Vol. 26 No. 8 – 2020

- **The Mechanism of Resistance in AmpC-Producing *Escherichia coli* Isolated from Urinary Tract Infections**

Alireza Dolatyar Dehkharghani, Setareh Haghighat, Marjan Rahnamaye Farzami, Mohammad Rahbar

Arch Med Lab Sci. 2020;6:e6

- **Serogroups, and drug resistance of nontyphoidal *Salmonella* in symptomatic patients with community-acquired diarrhea and chicken meat samples in Tehran**

Besharati, S.; Sadeghi, A.; Ahmadi, F.; Tajeddin, E.; Mohammad Salehi, R.; Fani, F.; Pouladfar, Gh.; Nikmanesh, B.; Majidpour, A.; Soleymanzadeh Moghadam, S.; Mirab Samiee, S.; Rahnamaye Farzami, M.; Rahbar, M.; Eslami, P.; Rakhshani, N.; Eshrati, B.; Gouya, M. M.; Fallah, F.; Karimi, A.; Owlia, P. and Alebouyeh, M.

Iranian Journal of Veterinary Research, Shiraz University (IJVR), 2020, Vol. 21, No. 4, Ser. No. 7

- **Clonal Relationship and Resistance Profiles Among ESBL-Producing *Escherichia coli***

Alireza Dolatyar Dehkharghani, Setareh Haghighat, Marjan Rahnamaye Farzami, Mohammad Rahbar and Masoumeh Douraghi*

Frontier in cellular and infection microbiology- Volume 11- June 2021

- **Design of Physical Spaces in Medical Laboratories**

Soroush Darafarin *, I, Sajjاده Movahedinia, Hossein Darafarin, **Marjan R. Farzami**

Iran J Med Microbiol 2021, 15(5): 480-506

- **The Frequency of Integrons and OXA Genes in Uropathogenic Isolates of *Klebsiella pneumoniae***

Elmira Pourbaghi, Reza Hosseini Doust, Mohammad Rahbar*, **Marjan Rahnamaye Farzami**

Arch Med Lab Sci. 2021;7:1-8 (e23)

- **Health care-associated infections, including device-associated infections, and antimicrobial resistance in Iran: The national update for 2018**

Maryam Masoudifar , Mohammad Mehdi Gouya , Zahra Pezeshki, Babak Eshrati , Shirin Afhami , **Marjan Rahnamaye Farzami** , Arash Seifi *

J PREV MED HYG 2021; 62: E943-E949

- **Multidrug-resistant *Salmonella* strains from food animals as a potential source for human infection in Iran**

Mojgan Manzari , Fereshteh Fani , Masoud Alebouyeh , Alaleh Moaddeli , **Marjan Rahnamaye Farzami** Maneli Amin Shahidi , Seyed Shahram Shekarforoush *

Comparative Immunology, Microbiology and Infectious Diseases 90–91 (2022) 101898

- **Evaluation Frequency of Human Papillomavirus and Its Related Genotypes in Women of the General Population Living in 11 Provinces of Iran**

Somayeh Hassani , Proshat Sadat Nadji , Anita Mohseni , **Marjan Rahnamaye Farzami** , Siamak Mirab Samiee , Makan Sadr , Seyed Alireza Nadji

Canadian Journal of Infectious Diseases and Medical Microbiology Volume 2022, Article ID 8668557

Researches performed under guidance or with consultation as thesis :

- Design and optimization of standard panel of HPV molecular diagnosis and analysis of C13ORF18 and C1orf166 DNA Genes methylation

- Evaluating the effect of Cyclosporine A on Liver and renal functions and Cholesterol and Triglyceride in patients with kidney transplant referred to Reference laboratory during 1384-1386
- Determination of tetracycline resistance Genes in *Vibrio cholera* O1 biotype El Tor serotype inaba strains isolated from Outbreaks occurred in Iran at 2013
- Analysis on Genes Expression of miRNA-21 and miRNA-29a and Genes Polymorphism of Glutathione S-Transferase Omega 1, 2 in Women with Cervical Cancer
- Changing trends in the antimicrobial susceptibility pattern and genotyping distribution of isolated *Vibrio cholerae* O1 strains in outbreaks of 2012-2015 in Iran referred to Reference Laboratory
- Evaluation of screening tests for fetus aneuploidy in first trimester of pregnancy by Chemiluminescence immunoassay, Electrochemiluminescence immunoassay and Next Generation Sequencing for pregnant women of Tehran province.
- Study of bacterial population diversity and OXA-group genes determinants in *Escherichia coli* and *Klebsiella pneumoniae* strains producing Carbapenemase by MLVA method
- A comparative study of frequency, strain diversity and genetic determinants of antibiotic resistance in *Salmonella* spp. isolated from livestock and chicken meat and stool samples of patients with acute diarrhea in Shiraz city at 2018
- Investigation Of Clonal Relationship Of *Vibrio Cholerae* Isolates From Recent Outbreaks Of Iran By PFGE and MLST Techniques

Publications (In Farsi):

- مدیریت فضا، تاسیسات و تجهیزات آزمایشگاهی
مجله پزشکی و آزمایشگاه - ۱۳۸۷
- رویکرد نوین در برنامه ارزیابی و پایش عملکرد وسایل تشخیص آزمایشگاهی (In Vitro Diagnostics) در ایران - دستاوردها، چالش ها و برنامه های پیش رو
مجله علمی - خبری آسیب شناسی ایران-۱۳۹۰
- طبقه بندی عناصر کم مقدار در تغذیه
دو ماه نامه علمی - پژوهشی فیض دانشگاه علوم پزشکی کاشان-۱۳۹۱
- ژنوتایپینگ گونه های بورخولدريا سپاسه در بیماران سیستمیک فیبروزیس به روش ژل الکتروفورز در میدان ضربانی
مجله دانشکده پزشکی-۱۳۹۳
- مرور کلی بر پاپیلوما ویروس ها به عنوان اصلی ترین عامل سرطان دهانه رحم
مجله زنان ، مامایی و نازایی ایران ۱۳۹۴
- هونت : نرم افزار کاربردی در پردازش نتایج تست های حساسیت ضد میکروبی
مجله تشخیص آزمایشگاهی-۱۳۹۷
- بررسی فراوانی و مقاومت آنتی بیوتیکی جدایه های کمپیلوباکتر جدا شده از نمونه مرغ در ۲۲ منطقه تهران، ایران
مجله پژوهشی پایه و بالینی دانشور پزشکی - ۱۳۹۸
- بررسی تغییرات الگوی حساسیت ضد میکروبی و تعیین ژنهای مقاومت آنتی بیوتیکی سویه های ویبریوکلا O1 جدا شده از طغیان های ۱۳۹۱-۱۳۹۴ در ایران ارسالی به آزمایشگاه مرجع سلامت با استفاده از روش های فنوتیپی و مولکولی
مجله دانشگاه علوم پزشکی اردبیل - ۱۳۹۸
- سالمونلا تایفی مقاوم به درمان با مقاومت چند دارویی - معرفی یک مقاومت نوپدید

مجله علمی - خبری آسیب شناسی ایران-۱۴۰۰

- شناسایی مقاومت به کلیستین، مروری بر استانداردها و بررسی چالش های موجود
مجله علمی - خبری آسیب شناسی ایران-۱۴۰۰

- طراحی فضای فیزیکی آزمایشگاه پزشکی
مجله علمی پژوهشی میکروب شناسی پزشکی ایران - ۱۴۰۰

Books(as co-author or co-translator / co- editor) :

- اصول طراحی و استقرار سیستم مدیریت کیفیت در آزمایشگاه پزشکی
- طراحی و مبانی تضمین کیفیت در آزمایشگاه پزشکی
- کتاب دستورالعمل برنامه ملی تشخیص زودهنگام سرطان در ایران
- استانداردهای اعتباربخشی بیمارستان در ایران
- مدیریت و کنترل کیفی تجهیزات در آزمایشگاه پزشکی
- آشنایی با مفاهیم پایه و آمار کاربردی، صحت گذاری روش ها و عدم قطعیت در آزمایشگاه پزشکی
- مدیریت و راهنمای کنترل کیفیت و نگهداشت تجهیزات در آزمایشگاه پزشکی
- مجموعه ای از مستندات سیستم مدیریت کیفیت در آزمایشگاه پزشکی
- دستگاه های خودکار شمارنده سلولی
- مدیریت و کنترل کیفی تجهیزات در آزمایشگاه پزشکی
- اصول مستند سازی و مستندات در آزمایشگاه پزشکی
- استانداردهای عملکردی برای انجام آزمایش تعیین حساسیت ضد میکروبی CLSI M100
- Stepwise Implementation of a Quality Management System for a Health Laboratory (WHO)
- Target product profile for nextgeneration drug-susceptibility testing at peripheral centres (WHO)

National standards(as head of expert committee) :

- وسایل تشخیص پزشکی-ارزیابی عملکرد وسایل پزشکی تشخیص آزمایشگاهی-الزامات و روش های آزمون
- استاندارد ملی ایران- وسایل پزشکی تشخیص آزمایشگاهی برون تنی برای خودآزمایی-الزامات عمومی
- استاندارد ملی ایران- وسایل پزشکی تشخیص آزمایشگاهی- ارزیابی پایداری معرف های تشخیص آزمایشگاهی-ویژگی ها و روش های آزمون
- استاندارد ملی ایران- وسایل پزشکی تشخیص آزمایشگاهی-اندازه گیری کمی مقادیردر نمونه ها با منشا بیولوژیکی-الزامات محتوی و معرفی روش های اندازه گیری مرجع