

CURRICULUM VITAE

Mohammad Rayani, Ph.D



● **PERSONAL INFORMATION**

First Name: Mohammad.

Surname: Rayani.

Date of Birth: June 22, 1965.

Place of Birth: Bushehr - Iran.

Gender: Male.

Marital status: Married, two children.

Nationality: Iranian.

Office Address:

School of Public Health, Bushehr University of Medical Sciences, Bushehr, Iran.

Office Phone: + 98-771- 455- 0134

E-mail: rayani@bpums.ac.ir
rayani_m@yahoo.com

● **EDUCATIONAL QUALIFICATIONS**

1- PhD degree in Medical Parasitology, 2014. Faculty of Medicine and Health Sciences, University Putra Malaysia, Malaysia.

Dissertation: Molecular characterization and isoenzyme profiles of *Giardia duodenalis* isolates from Iranian patients in Fars province, Iran.

2- MSc degree in Medical Parasitology, 1997. Medical Faculty, Tarbiat Modaress University, Tehran, Iran.

Dissertation: A study of Intestinal parasites of thalassemic patients and non- thalassemic subjects in Bushehr province.

3- BSc degree in Public Health Sciences, 1991. Health Faculty, Tehran University of Medical Sciences, Tehran, Iran.

4- Associate degree in Public Health Sciences, 1987. School of Public Health, Yazd University of Medical Sciences, Yazd, Iran.

● **TEACHING EXPERIENCES**

- 1- Teaching Theoretical Public Health Courses to Public Health, Nursing, Midwifery, Nutrition, and Laboratory Sciences Students.
- 2- Teaching Theoretical and Practical Medical Parasitology Courses to Medical, Dentistry, Public Health, Nursing, Midwifery, Nutrition, and Laboratory Sciences Students.

● **ACADEMIC POSITION**

- 1- Lecturer of Medical Parasitology, School of Public Health, Bushehr University of Medical Sciences from 1997.
- 2- Assistant Professor of Medical Parasitology, School of Public Health, Bushehr University of Medical Sciences from 2014.

● **TECHNICAL SKILLS**

- 1- DNA Extraction, polymerase chain reaction amplification (PCR)
- 2- Sequencing & Phylogenetic analysis
- 3- Axenic Culture
- 4- Isoenzyme Electrophoresis

● **RESEARCH INTERESTS**

- 1- Molecular epidemiology of parasites
- 2- Molecular and biochemical characterization of parasites
- 3- Cultivation of luminal parasites
- 4- *Giardia duodenalis*
- 5- Public health research
- 6- Health systems research (HSR)

● **ADMINISTRATIVE POSITIONS**

- 1- Expert of Disease Prevention, School of Public Health, Bushehr University of Medical Sciences, 1992-1998
- 2- Registrar, Faculty of Medical Sciences, 1993-1994, Bushehr University of Medical Sciences,
- 3- Director of Public Health Courses, School of Public Health, Bushehr University of Medical Sciences, 1993-1994

- 4- Expert of Research Affairs, Bushehr University of Medical Sciences, 1993-1994 & 1996-2002
- 5- Deputy of Vice Chancellor for Research, Bushehr University of Medical Sciences, 1999-2002

● NATIONAL COMMITTEE MEMBERSHIP

- 1- Member of Research Committee, Bushehr University of Medical Sciences, 1991-2001
- 2- Member of Student Committee, 1997-2002, Bushehr University of Medical Sciences,
- 3- Member of Bushehr Province Research and Technology Committee, 2000-2002
- 4- Member of the Scientific Committee for Food and Nutrition Conference, Bushehr University of Medical Sciences, 2001
- 5- Committee Member of 1st National Congress of Marine Medicine, Bushehr University of Medical Sciences, 2001
- 6- Member of Strategic Planning Committee of Vice Chancellor for Education, Bushehr University of Medical Sciences, 2002
- 7- Superior lecturer of Bushehr University of Medical Sciences, 2004

● PUBLICATIONS

● ARTICLES

- 1- **Rayani, M.**, Delimi, A., & Sadrai, J. Intestinal parasites in thalassemia major; A case-control study. *Iranian South Medical Journal* 1998; 1 (3): 171-175. (In Persian).
- 2- Osfouri, E., Nabipour, I., **Rayani, M.**, *et al.* Prevalence of diabetes and impaired glucose tolerance in Bushehr population aged 30-64 Yr. *Iranian South Medical Journal* 1998; 1 (3): 209-216. (In Persian).
- 3- Fakhrzadeh, H., Nabipour, I., Osfouri, E., & **Rayani, M.** Association between electrocardiographic ischemic abnormalities and coronary risk factors in a defined population in Bushehr Port, Iran. *Iranian South Medical Journal* 1998; 1 (3): 200-208. (In Persian).
- 4- Nabipour, I., Osfouri, E., **Rayani, M.**, Faghihizadeh, S., & Haghshenas, M. The association of diabetes (NIDDM) and myocardial infection; a population-based study, 1999; 1 (1): 59-65. (In Persian).
- 5- Amiri, M., Khlafpour, A., Nabipour, I., Osfouri, E., & **Rayani, M.** The prevalence of hypertension and associated coronary risk factors in Bushehr port. *Iranian South Medical Journal* 2000; 3 (1): 34-39. (In Persian).
- 6- Karimi, F., **Rayani, M.**, Akbarzadeh, S., *et al.* Prevalence of hyperlipidemias in adult population (≥ 19 years) of Bushehr Port; 1999. *Iranian South Medical Journal* 2000; 3 (2): 98-106. (In Persian).

7- Hojat-Farsangi, M., Sahebani, N., Movahed, A., Tahmasebi, R., & **Rayani, M.** Lethal effect of *Thymus vulgaris* on *giardia* cyst; in vitro. *Iranian South Medical Journal* 2001; 4 (2): 55-61. (In Persian).

8- Fakhrzadeh, H., Nabipour, I., Osfouri, E., **Rayani, M.**, & Vassigh A. Angina pectoris and myocardial infection in patients with hyperlipidemia in Bushehr: a population-based study. *Iranian Journal of Diabetes and lipid Disorders* 2002; 2 (1): 65-73. (In Persian).

9- Abdullah, W. O., Unyah, N. Z., Awang Hamat, R., Omar, B., Ghani, A., Kamel, **M., Rayani, M.**, & Hatam, G. R. In vitro antiplasmodial activity and cytotoxicity of ten plants used as traditional medicine in Malaysia. *Malaysian Journal of Health Science* 2011; 9(2), 5-8.

10- Najafi-Sharjabad, F., Hajivandi, A & **Rayani, M.** Knowledge, Attitude, and Practice about Emergency Contraception among Health Staff in Bushehr State, South of Iran. *Global Journal of Health Science* 2014: Vol. 6, No. 1: 52-60.

11- **Rayani, M.**, Zasmy Unyah, N., & Hatam, G. Molecular Identification of *Giardia duodenalis* Isolates from Fars Province, Iran. *Iranian Journal of Parasitology* 2014, 9 (1): 70-78.

● PRESENTATIONS

1- Fakhrzadeh, H., Nabipour, I., Osfouri, E., & **Rayani M.** Association between electrocardiographic ischemic abnormalities and coronary risk factors in a defined population in Bushehr Port, Iran, poster presentation at 11th Congress of Iranian Heart Association, 1998 22-25 Oct, Tehran-Iran.

2- Karimi, F., **Rayani, M.**, Akbarzadeh, S., & Tahmasebi, R. Prevalence of hyperlipidemias in adult population (≥ 19 years) of Bushehr Port; 1999, oral presentation at International Congress of Endocrine Disorders, 2001 5-9 Oct, Tehran-Iran.

3- Fakhrzadeh, H., Nabipour, I., Osfouri, E., & **Rayani M.** Association between electrocardiographic ischemic abnormalities and coronary risk factors in a defined population in Bushehr Port, Iran, oral presentation in 1st National Congress of Epidemiology and Health Services, 2002 24-26 Dec, Bushehr-Iran.

4- **Rayani, M.**, Zasmy Unyah, N., Hatam, G. R., Wan Omar, A., & Rukman A. H. Isolation and In vitro culture of *Giardia intestinalis* from fecal materials, Fifth National Infectious Diseases Seminar and Workshop (NIDSAW 2010), Faculty of Medicine and Health Sciences, UPM, 2010 22th November, Kuala Lumpur, Malaysia.

5- **Rayani, M.**, Zasmy Unyah, N., Hatam, G. R., Wan Omar, A., & Rukman A. H. Molecular identification of *Giardia duodenalis* isolates from Iranian patients (Fars province), 47th Annual conference of the Malaysian Society of Parasitology and Tropical Medicine, International Medical University, Bukit Jalil Campus, 2011 3-4th March, Kuala Lumpur, Malaysia.

6- Wan Omar, A., Ngah Zasmy, U., Hariul Bazli, S., Rukman, A.H., Roslaini, A.M., **Rayani, M.**, & Hatam, G.R. Protective immunity against *Plasmodium berghei* lethal challenge elicited by recombinant 19 KDA merozoite surface protein 1 (MSPI) in alum, 47th Annual conference of

the Malaysian Society of Parasitology and Tropical Medicine, International Medical University, Bukit Jalil Campus, 2011 3-4th March, Kuala Lumpur, Malaysia.

7- Wan Omar, A., Ngah Zasmy, U., Hariul Bazli, S., Rukman, A.H., Roslaini, A.M., **Rayani, M.**, & Hatam, G.R. Dipstick immunoassay for detection of immunoglobulin G (IGG) and IGM antibodies of human toxoplasmosis, 47th Annual conference of the Malaysian Society of Parasitology and Tropical Medicine, International Medical University, Bukit Jalil Campus, 2011 3-4th March, Kuala Lumpur, Malaysia.

8- **M. Rayani**, N. Zasmy Unyah, G.R. Hatam, W. Omar Abdullah, R. Awang Hamat. Prevalence and molecular genotypic characterization of *Giardia duodenalis* isolates from Iranian patients (Fars province), 15th International Congress on Infectious Diseases, 2012 June 13-16, Bangkok, Thailand.

9- **Mohammad Rayani**, Gholam Reza Hatam, Ngah Zasmy Unyah, Wan Omar Abdullah, Rukman Awang Hamat. Phylogenetic analysis of *Giardia duodenalis* sub-assemblages in patients in Fars, Iran. 2nd International and 9th National Congress of Parasitology and Parasitic Diseases of Iran NICOPA9, 20-22 may, Guilan, Iran. (Oral)

10- **Mohammad Rayani**, Gholam Reza Hatam, Iraj Mohammadpur, Arghavan Vafafar. In vitro culture of *Giardia duodenalis* from fecal materials. 2nd International and 9th National Congress of Parasitology and Parasitic Diseases of Iran NICOPA9, 20-22 may, Guilan, Iran.

11- Afshin Barazesh, Moradali Fouladvand, **Mohammad Rayani**, Soleyman Khorrami, Ali Heydari. Prevalence of intestinal parasitic infections in primery school children, Bushehr, Iran. 2nd International and 9th National Congress of Parasitology and Parasitic Diseases of Iran NICOPA9, 20-22 may, Guilan, Iran.

● RESEARCHES

● RESEARCH PROJECT

- 1- Prevalence of diabetes and impaired glucose tolerance in Bushehr population aged 30-64 Yr.
- 2- Prevalence of hyperlipidemias in adult population (≥ 19 years) of Bushehr Port; 1999.
- 3- Lethal effect of *Thymus vulgaris* on giardia cyst; in vitro.

● WORKSHOPS PARTICIPATIONS

- 1- Workshop on Basic Computer and its Application, 1992
- 2- Workshop on Research Methodology, 1996
- 3- Workshop on Computers in Research, 1997
- 4- Introductory Workshop on Medical Education, 1999
- 5- Introductory Workshop on Total Quality Management, Vice Chancellor for Education, 2000
- 6- Management of research in Universities and Higher Education Institutions, 2000
- 7- Researchers Empowerment Workshop, 2000
- 8- Research management Promotion Workshop, 2001
- 9- Strategic Management Workshop, 2002

- 10- Workshop Overview and basic medical education, 2002
- 11- Workshop on teaching methods, 2002
- 12- Workshop on Strategic Planning, 2003
- 13- Workshop design and evaluation questions, 2005
- 14- Workshops advising and counseling, 2006
- 15- How to Give Smart Presentations and Overcome Presentation Anxiety, 2010
- 16- Advanced word, 2011
- 17- Workshop phylogeny and sequence analysis, 2011
- 18- Skill of articles writhing, 2011
- 19- Bioinformatics: Basic, principle and application in molecular biology, 2011
- 20- Tools for research, 2011 & Basic Research Tools, 2011
- 21- Endnote, 2011
- 22- Success to public scientific journals, 2011
- 23- Research tools, 2011
- 24- Insight in postgraduate research seminar, 2011
- 25- Guide to thesis writing seminar, 2011
- 26- The publishing during candidature workshop, 2011
- 27- Counselor's role in guiding students, 2013
- 28- Search methods of articles and literature 2, 2013
- 29- Writing in English, 2014
- 30- Systematic Review, 2015