



In the name of God
Summary of the scientific-research certificate of the faculty
members and researchers
Endocrinology and Metabolism Research Institute
Shahid Beheshti University of Medical Sciences



Name: <i>Maryam</i>	Scopus ID number: 58602415500
Family name: <i>Mousavi</i>	
H-Index: 9	Total number of citations to articles: 262 Number of citations to articles in 2025: 104
Total number of research projects: 72 Number of research projects in the role of executor: 7	Total number of articles: 44 Number of articles by the first author/responsible: 8 Number of articles in 2025: 13



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1. Personal Information:

Name: *Maryam Mousavi*

Ph.D. in Biostatistics

Email: *Moosavi.biostat@gmail.com*

2- Academic records / training courses

Grade	Duration of study		University name	Country / city of study
	Start	End		
Bachelor (BC)	2008	2012	Bu-Ali Sina	Hamedan, Iran
Master of science (MSc)	2013	2017	Tehran university of medical sciences	Tehran, Iran
Doctor of Philosophy (Ph.D)	2017	2023	Tarbiat Modares University	Tehran, Iran

3. Employment Status:

Faculty members and formal researchers			
Contract researchers			
Work start date	contract type	Researcher rank	Last upgrade date
2025.September		Assistant professor	

4. Educational experience:**4.1. Teaching in short courses / educational-research workshops**

No.	Course / workshop title	Date	Organization	Teaching title
1	Methods of biostatistics (8 units)	2020	Tehran Azad University of Medical Sciences	
2	Statistics and probabilities (6 units)	2020		
3	Practical unit of biostatistical methods (2 units)	2021		
4	Working with statistical packages (SPSS) - (2 units)	2021		
5	Working with statistical packages (R) - (2 units)	2022		

5. Research Activities:**5.1. Writing a book / part of a foreign book**

No.	Book Title	Publisher / place of publication / year of publication
1	Biostatistics	Scientific Publications of <i>Sana</i>

6. Executive records (responsibilities):

No.	Title of responsibility	Organization / Institute	Year
1	Assistant Professor of Biostatistics	Endocrine and Metabolism Research Center - Shahid beheshti university of medical sciences	2025 until now
2	Biostatistics researcher	Endocrine and Metabolism Research Center - Shahid beheshti university of medical sciences	2021 until 2025
3	Lecturer of Biostatistics	Tehran Azad University of Medical Sciences	2019 to 2021
4	Research statistical consultant	Agah Psychology Clinic	2018 until now

7- Academic Awards:

8. Membership in scientific forums and associations:

Member of the Scientific Association of Biostatistics of Iran

9. (Skills (mastering foreign languages, software or device, ...) (with full specifications)

English – B1

Software: STATA– R – EXCEL – SPSS – AMOS – PLS – PASS

Honors

- Rank 1 in the national entrance examination for Master of Biostatistics in 2013
- The brilliant talent of the Medical Assessment and Education Center and the Ministry of Health

The number of doctoral theses with the position of consultant: 1

Zahra Namvar - Environmental Health Doctorate - Shahid Beheshti University of Medical Sciences (1401)

Thesis title: Investigating the relationship between air pollution indicators and menopause age in a population-based cohort study: Tehran glucose and lipid Study

The number of theses of the fellowship course with the position of consultant: 4

Dr. Narjes Ahmadi - Obstetrics and Gynecology Specialist Course - Shahid Beheshti University of Medical Sciences (1401)

Thesis title: Investigating the effect of adding the amount of ovarian reserves estimated based on the serum level of antimullerin hormone to the Framingham cardiovascular disease risk estimation tool in predicting cardiovascular events in women: Tehran's glucose and lipid study

Dr. Elaheh Sheklabadi - Obstetrics and Gynecology Subspecialty Course - Shahid Beheshti University of Medical Sciences (1402) Dissertation title: Comparison of the incidence of adverse pregnancy outcomes in women with polycystic ovary syndrome and non-diseased women, taking into account the obesity status: Tehran's sugar and lipid study.

Dr. Amirhossein Shokravi - Endocrine subspecialty course - Shahid Beheshti University of Medical Sciences (1402)

Thesis title: Investigating the effect of reproductive factors on the relationship between age at menarche and cardiovascular events in women with a history of reproduction: Tehran's glucose and Lipid Study

Dr. Hamid Rafiei Sadr - Endocrinology Subspecialty Course - Shahid Beheshti University of Medical Sciences (1403)

Thesis Title: Studying the Relationship between Changes in Estimated Glomerular Filtration Rate and the Risk of Cardiovascular Diseases with Adverse Pregnancy Outcomes: Tehran Lipid and Glucose Study

Dr Fatemeh Motamedi - Endocrinology Subspecialty Course - Shahid Beheshti University of Medical Sciences (1404)

Thesis Title: Association between Serum Follicle-Stimulating Hormone (FSH) Levels and the Trajectory of General and Central Obesity Indices in Postmenopausal Women Participating in the Tehran Lipid and Glucose Study

Bahman Nazari - Doctor of Medicine (MD)- Shahid Beheshti University of Medical Sciences (1405)

Thesis Title: Assessment of Age-Related Patterns of Anti-Müllerian Hormone (AMH) Variation and Its Association with Hormonal Parameters in Healthy Women, Women with Polycystic Ovary Syndrome (PCOS), and Women Suspected of Having PCOS: An Analysis of Data from the Population-Based Tehran Lipid and Glucose Study (TLGS)

Sobhan Babagoli - Doctor of Medicine (MD)- Shahid Beheshti University of Medical Sciences (1405)

Thesis Title: Association Between Age at Menarche and the Risk of Hypertension in Participants of the Tehran Lipid and Glucose Study (TLGS)

Mohammadamin Farhadi Darolai - - Doctor of Medicine (MD)- Shahid Beheshti University of Medical Sciences (1405)

Thesis Title: Association Between Age at Menarche and Type 2 Diabetes in Women Participating in the Tehran Lipid and Glucose Study (TLGS)

Publications

1. Adverse pregnancy outcomes, longitudinal change in eGFR, and incident hypertension in women: a population-based cohort study (2026)

*M Saei Ghare Naz, **M Mousavi**, M Farahmand, M Noroozzadeh, F Azizi, , F Ramezani Tehrani*

Renal Failure, Q1, IF=3

2. How Pre-Pregnancy Weight and Polycystic Ovary Syndrome Impact Pregnancy Outcomes: A Population-Based Cohort Study (2026)

*E Shekhabadi, M Saei Ghare Naz, **M Mousavi**, M Rahmati, SA Ebadi, F Ramezani Tehrani*

Health Science Reports, Q2, IF=2.1

3. Alterations in bone-related hormones and gene expression in femoral bone of polycystic ovary syndrome rats (2026)

*M Noroozzadeh, M Changaei, M Farhadi-Azar, **M Mousavi**, F Ramezani Tehrani*

Journal of Bone and Mineral Metabolism, Q1, IF=2.2

4. Adverse Pregnancy Outcomes and Long-Term Risk of Chronic Diseases: Evidence from the TLGS (2026)

*MSG Naz, M Farahmand, M Noroozzadeh, M Farhadi-Azar, **M Mousavi**, F Ramezani Tehrani*

International Journal of Endocrinology and Metabolism, Q3, IF=1.8

5. Influence of endogenous estrogen exposure on the development of hypertension: a multistate model analysis (2026)

***M Mousavi**, F Ramezani Tehrani, F Azizi, M Farahmand*

Scientific Reports, Q1, IF≈4

6. How individual risk factors affect progression of COVID-19 in Iran? A multi-state modeling approach (2025)

***M Mousavi**, Roqayeh Aliyari, Hamidreza Jamaati, Vida Mortezaee, E Hajizadeh*
Iranian Red Crescent Medical Journal, Q3, IF=0.4

7. Legacy of Tehran Lipid and Glucose Study; Evidence on Reproductive Lifespan and Cardiometabolic Health

*M Farahmand, **M Mousavi**, MSG Naz, M Farhadi-Azar, M Noroozzadeh, F Ramezani Tehrani*
International Journal of Endocrinology and Metabolism

8. Cardiovascular disease risk prediction by Framingham risk score in women with polycystic ovary syndrome (2025)

*M Amiri, **M Mousavi**, M Noroozzadeh, F Azizi, F Ramezani Tehrani*

Reproductive Biology and Endocrinology, Q1, IF=4.2

9. The Role of Obesity in Increasing the Risk of Endometriosis in Women: a population-based study (2025)

*M Saei Ghare Naz, **M Mousavi**, S Amirshekari, K Nakhoda, F Ramezani Tehrani*

Iranian Journal of Endocrinology and Metabolism

10. Cardiometabolic risk factors and hypertension progression in women according to the 2017 ACC/AHA guideline: a multi-state modeling approach (2025)

***M Mousavi**, M Amiri, F Azizi, FR Tehrani*

Clinical Hypertension, Q2, IF=2.6

11. Association Between Serum Follicle-Stimulating Hormone Levels and Risk of Hypertension in Postmenopausal Women (2025)

*F Ramezani Tehrani, F Firouzi, R Farrokhi, MSG Naz, **M Mousavi***

Health Science Reports

11. Endogenous estrogen exposure and hypertension risk; population-based cohort study (2025)

*F Ramezani Tehrani, **M Mousavi**, M Saei Ghare Naz, M Noroozzadeh*

The Journal of Clinical Endocrinology & Metabolism, Q1, IF=5

12. First trimester hematological indices in gestational diabetes mellitus: a meta-analysis (2025)

*F Firouzi, FR Tehrani, H Shaharki, **M Mousavi**, ...*

Journal of the Endocrine Society

13. Early menopause in mothers and risks of pre-diabetes and type 2 diabetes in offspring (2025)

*M Noroozzadeh, **M Mousavi**, MSG Naz, M Farahmand, ...*

Reproductive Biology and Endocrinology, Q1, IF=4.2

14. Environmental heavy metal exposure and altering anti-Müllerian hormone levels in women (2025)

*Z Namvar, A Mohseni-Bandpei, A Shahsavani, A Eslami, **M Mousavi**, F Ramezani Tehrani*

BMC Women's Health, Q2, IF=2.4

15. Association between AMH and age in women with endometriosis: a population-based study (2025)

*F Ramezani Tehrani, **M Mousavi**, S Noori Ardebili, MSG Naz, ...*

BMJ Open, Q1

16. Relationship Between Anti-Müllerian Hormone Levels and Age in Women with Endometriosis (Conference Abstract) (2025)

Human Reproduction Supplement

17. Impaired glucose tolerance and insulin resistance in prenatally-androgenized rat model of PCOS (2025)

*M Farhadi-Azar, M Noroozzadeh, **M Mousavi**, MSG Naz, F Ramezani Tehrani*

Experimental Physiology, Q2

18. Therapeutic efficacy of Rosa damascena Mill. ... in EV-induced PCOS rats (2025)

*M Farhadi-Azar, F Mahboobifard, **M Mousavi**, F Ramezani Tehrani*

Scientific Reports, Q1, IF=3.8

19. Investigation of the relationship between air pollution and gestational diabetes (2024)

*S Nazarpour, A Shokati Poursani, **M Mousavi**, F Ramezani Tehrani*

Journal of Obstetrics & Gynaecology, Q4

20. Polycystic ovary morphology & subclinical hypothyroidism: TSH cutoff value (2024)

*S Nazarpour, **M Mousavi**, FR Tehrani*

Reproductive Sciences, Q2

21. Exploring the influence of age at menarche on metabolic syndrome (2024)

*M Farahmand, **M Mousavi**, F Azizi, FR Tehrani*

Endocrinology, Diabetes & Metabolism, Q2

22. Cardio-Metabolic Risk Profile of Women With Endometriosis (2024)

*M Saei Ghare Naz, M Noroozzadeh, SN Ardebili, **M Mousavi**, F Ramezani Tehrani*

Endocrinology, Diabetes & Metabolism, Q2

23. Impact of adiposity index changes on risk of diabetes across lifespan (2024)

***M Mousavi**, M Saei Ghare Naz, F Firouzi, F Ramezani Tehrani*

BMC Public Health, Q1, IF=3.5

24. Association between AMH & metabolic syndrome: community-based study (2024)

*M Amiri, **M Mousavi**, F Ramezani Tehrani*

BMC Endocrine Disorders, Q3

25. Adiposity trajectories & CVD risk in women: role of menopause (2024)

*F Firouzi, FR Tehrani, A Kaveh, **M Mousavi**, F Ramezani Tehrani*

Frontiers in Endocrinology, Q2

26. Insulin resistance indices & liver function in PCOS women (2024)

*M Saei Ghare Naz, **M Mousavi**, F Ramezani Tehrani*

Endocrinology, Diabetes & Metabolism, Q2

27. Weight changes & risk of hypertension in menopausal women (2024)

*M Saei Ghare Naz, **M Mousavi**, F Ramezani Tehrani*

BMC Women's Health, Q2

28. Endogenous Estrogen Exposure & Hypertension Risk (2024)

*F Ramezani Tehrani, **M Mousavi**, Maryam Farahmand*

JCEM, Q1

29. PCOS rat model: impaired glucose tolerance & insulin resistance (2024)

*M Farhadi-Azar, M Noroozadeh, **M Mousavi**, F Ramezani Tehrani*

Experimental Physiology, Q2

30. Self-reported male infertility & metabolic disturbance (2023)

*M Farhadi-Azar, MSG Naz, M Ghahremani, **M Mousavi**, F Ramezani Tehrani*

IJEM, Q3

31. Decline of AMH & air pollution exposure (2023)

*Z Namvar, A Mohseni-Bandpei, **M Mousavi**, F Ramezani Tehrani*

Environmental Science and Pollution Research, Q1

32. Body image concerns in adolescents with PCOS (2023)

*MSG Naz, G Ozgoli, **M Mousavi**, F Ramezani Tehrani*

Journal of Pediatric Nursing, Q2

33. Arterial hypertension & age at menarche (2023)

*M Farahmand, **M Mousavi**, F Ramezani Tehrani*

Maturitas, Q1

34. Breast cancer recurrence, metastasis & survival: Multi-state model (2023)

***M Mousavi**, E Hajizadeh, A Rasekhi, S Haghighat*

Iranian Journal of Public Health, Q4

35. Polycystic ovary morphology & serum prolactin level (2023)

*H Bayat, S Nazarpour, **M Mousavi***

IJEM, Scopus

36. Prevalence of PCOS & risk factors among diabetic females (2023)

***M Mousavi**, MSG Naz, F Azizi, FR Tehrani*

IJEM

37. CVD prediction improvement by adding AMH to FRS & PCE (2023)

*M Amiri, N Ahmadi, F Hadaegh, **M Mousavi**, F Ramezani Tehrani*

Menopause, Q1

38. Reproductive factors & adiposity/body shape changes over time (2023)

*M Amiri, **M Mousavi**, F Azizi, FR Tehrani*

Journal of Translational Medicine, Q1

39. Childbirth experience evaluation: Iran (2023)

*S Kazemi, F Pazandeh, SS Mobarakabadi, S Hajian, A Montazeri, **M Mousavi***

IJWHRS

40. Air pollution & age at menopause (2023)

*Z Namvar, FR Tehrani, A Shahsavani, H Amini, F Ramezani Tehrani , **M Mousavi***

Air Quality, Atmosphere & Health, Q3

41. Meta-analysis: prolactin levels in PCOS women (2022)

*M Saei Ghare Naz, **M Mousavi**, F Ramezani Tehrani*

Diagnostics, Q1

42. Prevalence of antibiotic resistance in *Vibrio cholerae*: meta-analysis (2021)

*S Bagheri-Josheghani, B Bakhshi, **M Mousavi***

43. Isolation & characterization of bacteriophage against EPEC (2018)

*A Vahedi, MM Soltan Dallal, **M Mousavi**, F Ramezani Tehrani*

FEMS Microbiology Letters, Q3

44. Anthropometric, socioeconomic, behavioral factors & childhood dental caries (2017)

***M Mousavi**, MJ Kharazifard, MS Yekaninejad, A Rahimi*

Journal of Islamic Dental Association of Iran

Research projects

1. Evaluating the Added Value of Ovarian Reserve Markers to the Framingham Cardiovascular Risk Score for Predicting Cardiovascular Events in Women
2. Association Between Reproductive Characteristics and Incident Fractures in Tehranian Women: Tehran Lipid and Glucose Study
3. Individual Risk Factors Affecting Hypertension Progression by Disease Stages in Women: Tehran Lipid and Glucose Study
4. Menstrual Cycle Patterns and Risk of Metabolic Syndrome in Women: Tehran Lipid and Glucose Study
5. Risk of Metabolic Syndrome in Offspring of Women with Premature Ovarian Insufficiency: Tehran Lipid and Glucose Study
6. Long-Term Air Pollution Exposure and Rate of Decline in Anti-Müllerian Hormone Levels in Women: Tehran Lipid and Glucose Study
7. Comparison of Adverse Pregnancy Outcomes in Women With and Without Polycystic Ovary Syndrome Considering Obesity Status (BMI): Tehran Lipid and Glucose Study
8. Weight Changes and Risk of Hypertension in Postmenopausal Women: Tehran Lipid and Glucose Study

9. Comparison of Serum Anti-Müllerian Hormone Levels Across Different Phenotypes of Polycystic Ovary Syndrome: A Population-Based Study
10. Prevalence of Polycystic Ovary Syndrome in Women With and Without Type 2 Diabetes: Tehran Lipid and Glucose Study
11. Prediction of Cardiovascular Disease Risk Using the Framingham Risk Score in Women With Polycystic Ovary Syndrome: Tehran Lipid and Glucose Study
12. Reproductive Factors and Hypertension Progression in Women: A Multi-State Modeling Approach (Tehran Lipid and Glucose Study)
13. Trends in Obesity Indices and Incidence of Type 2 Diabetes in Women by Menopausal Status: Tehran Lipid and Glucose Study
14. Association Between Serum Follicle-Stimulating Hormone and Incident Diabetes in Women: Secondary Data Analysis of TLGS
15. Reproductive Factors and Cardiovascular Outcomes by Age at Menarche: Tehran Lipid and Glucose Study
16. Long-Term Changes in Obesity Indices and Incident Hypertension Over 20 Years: Tehran Lipid and Glucose Cohort Study
17. Association Between Serum FSH Levels and Incident Diabetes in Men: Tehran Lipid and Glucose Study
18. Duration of Endogenous Estrogen Exposure and Risk of Hypertension: Tehran Lipid and Glucose Study
19. Metabolic Disorders in Male Offspring of Women With Polycystic Ovary Syndrome: Tehran Lipid and Glucose Study
20. Inflammatory Markers in Women With Endometriosis Before and After the COVID-19 Pandemic: Tehran Lipid and Glucose Study
21. Development and Maintenance of a Premature Ovarian Insufficiency Registry Program
22. Polycystic Ovary Syndrome and Subclinical Hypothyroidism: A National PCOS Study
23. Duration of Endogenous Estrogen Exposure and Risk of Type 2 Diabetes: Tehran Lipid and Glucose Study
24. Determinants of Birth Weight: Secondary Analysis of National Gestational Diabetes Study Data
25. Metabolic Disorders and Endometriosis: Tehran Lipid and Glucose Study
26. Effects of Heat and Cold Stress on Pregnancy Outcomes in Iran (1995–1997)
27. Diabetes, Dyslipidemia, and Obesity in Relation to Endometriosis: Tehran Lipid and Glucose Study

28. Body Mass Index Trajectories and Incident Type 2 Diabetes in Women With and Without History of Gestational Diabetes: Tehran Lipid and Glucose Study
29. Changes in Estimated Glomerular Filtration Rate and Cardiometabolic Outcomes in Women With and Without Adverse Pregnancy Outcomes: Tehran Lipid and Glucose Study
30. Metabolic Disorders in Offspring of Women With Early Menopause: Tehran Lipid and Glucose Study
31. Air Pollution and Gestational Diabetes and Type 2 Diabetes in Women: Tehran Lipid and Glucose Study
32. Age-Related Changes in Serum Anti-Müllerian Hormone in Women With Endometriosis: Tehran Lipid and Glucose Study
33. Air Pollution and Gestational Diabetes in District 13 of Tehran: A 25-Year Longitudinal Analysis
34. Atherogenic Index of Plasma Trajectories and Cardiovascular Disease in Women With and Without Adverse Pregnancy Outcomes: Tehran Lipid and Glucose Study
35. Prediction of Gestational Diabetes Based on Different Diagnostic Criteria Using Demographic and Reproductive Factors: National Screening Study
36. Estimated Glomerular Filtration Rate Changes, Adverse Pregnancy Outcomes, and Cardiovascular Risk: Tehran Lipid and Glucose Study
37. Serum Prolactin Levels and Risk of Chronic Kidney and Cardiovascular Diseases by Sex: Tehran Lipid and Glucose Study
38. Physiological Equivalent Temperature (PET) and Hypertensive Disorders of Pregnancy in Five Iranian Provinces (1995–1997)
39. Temperature–Humidity Index (THI) and Birth Weight in Five Iranian Provinces (1995–1997)
40. Learning, Tissue, and Molecular Changes in the Hippocampus of Middle-Aged Rats With and Without PCOS
41. Serum FSH and Lipid Profile in Postmenopausal Women: Tehran Lipid and Glucose Study
42. Direct and Indirect Effects of Pre-Pregnancy BMI on Neonatal Growth Indices Considering Gestational Diabetes as a Mediator
43. Quality of Life in Women With Polycystic Ovary Syndrome Compared With Healthy Women
44. Risk of Hypertension in Offspring of Women With Early Menopause: Tehran Lipid and Glucose Study
45. Effects of Serum FSH on Lipid Profile in Postmenopausal Women
46. LH/FSH Ratio and Obesity Indices in Postmenopausal Women: Tehran Lipid and Glucose Study
47. Trends in Obesity Indices in Women With Endometriosis: Tehran Lipid and Glucose Study

48. Thermal Comfort Indices and Neonatal Growth Indicators: National Gestational Diabetes Study
49. Twenty-Year Trends in Cardiometabolic Risk Factors in Women With PCOS: Tehran Lipid and Glucose Study
50. Cardiovascular Disease Risk in Women With History of Adverse Pregnancy Outcomes: Tehran Lipid and Glucose Study
51. Added Value of Menstrual Irregularity to the Framingham Risk Score in Predicting Cardiovascular Events: Tehran Lipid and Glucose Study
52. Effects of Rosa damascena Extract on Oxidative Stress Markers in a Rat Model of PCOS
53. Association Between Reproductive Factors and All-Cause and Cause-Specific Mortality: A Systematic Review and Meta-Analysis
54. Universal vs. Targeted Screening for Gestational Diabetes and Its Impact on Adverse Pregnancy Outcomes
55. Age at Menarche and Risk of Hypertension: Tehran Lipid and Glucose Study
56. Cardiovascular Risk in Women With Polycystic Ovary Syndrome Based on the ACC/AHA Risk Model: Tehran Lipid and Glucose Study
57. Genetic Variant Validation in Iranian Women With PCOS: Findings From the TCGS Study
58. Cardiovascular Events in First-Degree Relatives of Women With Premature Ovarian Insufficiency: Tehran Lipid and Glucose Study
59. Thermal Comfort Exposure During Pregnancy and Risk of Gestational Diabetes: National Study
60. Age at Menarche and Risk of Type 2 Diabetes: Tehran Lipid and Glucose Study
61. Metabolic Indices in First-Degree Relatives of Women With Premature Ovarian Insufficiency and Educational Needs Assessment
62. Metabolic Indices and Primary and Secondary Infertility: Tehran Lipid and Glucose Study
63. Metabolic Indices in First-Degree Relatives of Women With PCOS and Educational Needs Assessment: Tehran Lipid and Glucose Study
64. Anti-Müllerian Hormone (AMH), BMI, and Metabolic Status in Healthy Women, Women With PCOS, and Suspected PCOS: Tehran Lipid and Glucose Study
65. Age-Related Changes in AMH and Its Association With Hormonal Parameters in Healthy Women and Women With PCOS: Tehran Lipid and Glucose Study
66. Body Shape Index and Age at Menarche: Tehran Lipid and Glucose Study
67. Incidence of Obesity in Offspring of Women With Early Menopause: Tehran Lipid and Glucose Study
68. Maternal and Fetal Complications in Women With Gestational Diabetes: National Study

69. Cardiometabolic and Renal Complications in Women With PCOS: Tehran Lipid and Glucose Study
70. Serum FSH, Lipid Profile Changes, and the Mediating Effects of BMI and Estrogen in Postmenopausal Women: Tehran Lipid and Glucose Study
71. Maternal and Neonatal Outcomes of Universal vs. Targeted Gestational Diabetes Screening: A Systematic Review