

Razan Al Zadjali

BIOMEDICAL SCIENTIST

Experience

Research Assistant

Sultan Qaboos University (Biochemistry) Aug 2019 - Present

- New multiplex Real-Time PCR Assay for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) detection in Oman and sequencing new S gene variants
- Lipoprotein(a) risk genotypes in Omani families with Familial Hypercholesterolemia (FH)
- Investigating the role of specific miRNAs in atherosclerosis and disease progression
- Identifying novel cellular targets of acetyl-11-keto- β -boswellic acid (AKBA) on breast cancer cell lines
- Chemo resistance in breast cancer cells

Training

Central Public Health Laboratories Apr 2021 - Apr 2021

Conventional and molecular bacteriology: MALDI-TOF, 16S sequencing, automated and manual DNA extraction, sub culturing, disease surveillance

Training

The Royal Hospital Aug 2018 - Aug 2018

- Biochemistry department: gained insight into routine and specialized tasks
- Haematology department: trained to perform differential blood count and coagulation tests
- Stem cell transplant unit: gained experience in autologous stem cell transplant procedures

Skills

- PCR, RT-PCR, Sanger sequencing, bacterial transformation and plasmid isolation, dual-luciferase reporter assay, DNA manipulation via restriction mapping, mass spectrometry (including MALDI- TOF), enzyme kinetics.
- Cell culture, gene downregulation, protein extraction, immunoprecipitation, gel electrophoresis, ion-exchange chromatography, Bradford assay, affinity chromatography, fluorescence microscopy.
- Bioinformatics (sequence data analysis by BLAST, CLUSTAL X, molecular phylogenetic tree, bootstrapping, 3D molecular viewing using PDB and PyMol).

Papers submitted

- Al-Alawi B, Harikrishna B, Al-Thihli K, Al Zuhabi S, Ganesh A, al Hashami Z, al Dhamhmani Z, Zadjali R, AL Riyami N, Zadjali F. (2020). *Mucopolidosis type IV in Omani families with a novel MCOLN1 mutation: search for evidence of founder effect.*
- Zadjali F, Al-Wahaibi M, O. Hassan M, A. Bayoumi R, Zadjali R. (2020). *Heritability and multipoint linkage analysis suggest the contribution of angiopoietin-TEK pathway to the variation of serum creatinine and glomerular filtration rate.*
- Al-Araimi A, Al Kindi I, Bani Oraba A, Alkharusi A, H. Ali B, Zadjali R, Al Sinawi S, Al-Haddabi I, Zadjali F. (2020). *Gum Arabic Supplementation Suppresses Colonic Fibrosis After Acute Colitis By Reducing TGF β 1 Expression.*

Contact

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Education

BSc(Hons) Medical Biochemistry

The University of Manchester (Manchester, United Kingdom)
2016 - 2019

International Baccalaureate

The Sultan's School (Muscat, Oman)
2014 - 2016

Tannaz Jamialahmadi (MD, PhD)

Mashhad University of Medical Sciences

Islamic Azad University, Quchan, Iran

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Jamiat931@gmail.com



Born: 06/08/1989

Marital status: Single

Education

▪ **Doctor of Medicine**

Feb 2008-May 2015. Mashhad University of Medical Sciences

Dissertation Title: "Evaluating the effect of antimicrobial prophylaxis discontinuation on recurrence of UTI in patient with grade 1-3 vesicoureteral reflux (VUR)"

▪ **PhD graduated from Nutritional Sciences**

Feb 2015-June 2019. Mashhad University of Medical Sciences (3.2/4)

Dissertation Title: "Evaluation of Liver Fibrosis and Steatohepatitis of Severely Obese Individuals, after Gastric Bypass"

• **Postdoctoral research fellow**

Mashhad University of Medical Sciences

• **Postdoctoral research fellow**

Iran National Science Foundation

▪ **Assistant Professor:**

Feb 2020- Present. Quchan Branch, Islamic Azad University, Quchan, Iran

Research Interests

- Lipid disorders and cardiovascular diseases
- The role of nutraceuticals in health and disease
- Metabolic disease and related disorders
- Nutritional management in bariatric surgery
- Nutritional management of fatty liver disease
- Nutritional management of gastrointestinal diseases
- Nutritional management in obesity

- Advanced weight management
- Medical nutrition therapy in chronic diseases

Selected research projects

- “Evaluating the effect of antimicrobial prophylaxis discontinuation on recurrence of uti in patient with grade 1-3 vesicoureteral reflux (VUR)”
- “Evaluation of Liver Fibrosis and Steatohepatitis of Severely Obese Individuals, After Gastric Bypass ”
- “Association between (-592C/A and -1082G/A) polymorphisms of interleukin-10 gene and coronary artery disease based on angiography in candidates of angiography and angioplasty.”
- “Evaluating the intima/media thickness of carotid artery before and after bariatric surgery.”
- “Comparative study of resting metabolic rate (RMR) and body composition in obese patients undergoing gastric bypass surgery before and after surgery.”
- “Effect of Propolis on steatosis status and liver fibrosis in patients with nonalcoholic fatty liver”
- “Investigation of the therapeutic effects of trehalose in patients with Niemann Pick and mucopolysaccharidosis type III (Sanfilippo)”
- “Investigation of the effect of trehalose on the expression levels of microRNAs associated with coronary artery inflammation in patients with myocardial infarction (IR-TREAT)”
- “The effect of curcumin supplementation on oxidative stress parameters in acute myocardial infarction patients”
- “ Evaluation of urolithin A efficacy in heart failure patients with reduced ejection fraction”
- “Assessment of the effects of trehalose on autophagy-related microRNAs and protein markers in patients with Alzheimer disease”
- “Investigation of the therapeutic effects of trehalose in a patient with multiple sulfatase deficiency”
- “Evaluation of the therapeutic effects of trehalose in patients with Alzheimer disease”
- “Evaluation of the therapeutic effects of trehalose in patients with diabetes type 2”
- “Evaluation of the effect of trehalose administration on oxidative stress indices in patients with coronary artery disease”

- "Investigation of Nfl and GFAP levels in patients with Alzheimer disease treated with trehalose"
- "Investigation of systemic inflammation alterations and its predictive role for cardiovascular events in the Iran polypill study (PolyIran)"
- "Investigation of the impact of polypill intervention on systemic oxidative stress in the world's largest polypill study (PolyIran)"

Published peer-reviewed papers

1. "Measurement of Liver Stiffness with 2D-Shear Wave Elastography (2D-SWE) in Bariatric Surgery Candidates Reveals Acceptable Diagnostic Yield Compared to Liver Biopsy" (**Obesity Surgery IF:3.89**)
Tannaz Jamialahmadi, Mohsen Nematy, Ali Jangjoo, Ladan Goshayeshi, Reza Rezvani, Kamran Ghaffarzadegan, Mehdi Jabbari Nooghabi, Payman Shalchian, Mahtab Zangui, Zeinab Javid, Saeid Doaei, Farnood Rajabzadeh
2. "Nutritional Status of Patients hospitalized in the Intensive Care Unit: A Comprehensive Report from Iranian Hospitals" (**Journal of Critical Care IF:2.87**)
 Javid Mishamandani Z, Norouzy A, Hashemian SM, Khoundabi B, Rezaeisadrabadi M, Safarian M, Nematy M, Pournik O, Jamialahmadi T, Shadnoush M, Moghaddam OM, Zand F, Beigmohammadi MT, Khoshfetrat M, Shafiei E, Sedaghat A.
3. "Comparison of Diet Records between Patients with Non-alcoholic Fatty Liver Disease and Controls" (**Journal of Nutrition Fasting and Health**)
 Maryam Ghandehari; Davood Soleimani; Majid Sedaghat; Farkhondeh Razmpour; Seyed Mostafa Parizadeh ; Reza Jafarzadeh-Esfehani; Tannaz Jamialahmadi; Habibollah Esmaily ; Mohsen Nematy
4. "Hepatic function and fibrosis assessment via 2D-shear wave elastography and related biochemical markers pre-and post-gastric bypass surgery" (**Journal of Obesity Surgery IF:3.89**)
Tannaz Jamialahmadi, Ali Jangjoo, Reza Rezvani, Ladan Goshayeshi, Aida Tasbandi, Mehdi Jabbari Nooghabi, Kamran Ghaffarzadegan, Farnood Rajabzadeh, Zeinab Javid, Mohsen Nematy (**Article manuscript under review**)
5. "A Review on the Effects of New Anti-Diabetic Drugs on Platelet Function" (**Journal of Endocrine, Metabolic & Immune Disorders - Drug Targets. IF:1.10**)
 Yaribeygi H, Atkin SL, Jamialahmadi T, Sahebkar A.
6. "Association of Serum PCSK9 Levels with Antibiotic Resistance and Severity of Disease in Patients with Bacterial Infections Admitted to Intensive Care Units" (**Journal of Clinical Medicine. IF:5.68**)
Jamialahmadi T, Panahi Y, Safarpour MA, Ganjali S, Chahabi M, Reiner Z, Solgi S, Vahedian-Azimi A, Kianpour P, Banach M, Sahebkar A

7. “The Role of Protein SUMOylation in the Pathogenesis of Atherosclerosis” (**Journal of Clinical Medicine.IF:5.68**)
Dehnavi S, Sadeghi M, Penson PE, Banach M, **Jamialahmadi T**, Sahebkar A.
8. “The Effect of Curcumin on the Differentiation of Mesenchymal Stem Cells into Mesodermal Lineage” (**Molecules.IF:3.06**)
Gorabi AM, Kiaie N, Hajjighasemi S, **Jamialahmadi T**, Majeed M, Sahebkar A.
9. “Effect of atorvastatin on delirium status of patients in the intensive care unit: a randomized controlled trial” (**Archives of Medical Science.IF:2.38**)
Seyed Mojtaba Sohrevardi, Fatemeh Shojaei Nasab, Mohammad Reza Mirjalili, Mohammad Bagherniya, Arefeh Dehghani Tafti, Mohammad Hossein Jarrahzadeh, Mahmoud Reza Azarpazhooh, Mohsen Saeidmanesh, Maciej Banach, **Tannaz Jamialahmadi***, Amirhossein Sahebkar*
10. “Statin-Induced Nitric Oxide Signaling: Mechanisms and Therapeutic Implications.” (**Journal of Clinical Medicine.IF:5.68**)
Gorabi AM, Kiaie N, Hajjighasemi S, Banach M, Penson PE, Jamialahmadi T, Sahebkar A.
11. “Molecular mechanisms by which SGLT2 inhibitors can induce insulin sensitivity in diabetic milieu: A mechanistic review.” (**Life science journal. IF:3.44**)
Yaribeygi H, Sathyapalan T, Maleki M, Jamialahmadi T, Sahebkar A.
12. “Pulse wave velocity as a measure of arterial stiffness in patients with familial hypercholesterolemia: a systematic review and meta-analysis.” (**Archives of Medical Science.IF:2.38**)
Reiner Ž, Simental-Mendía LE, Ruscica M, Katsiki N, Banach M, Al Rasadi K, Jamialahmadi T, Sahebkar A
13. “Anti-inflammatory potentials of incretin-based therapies used in the management of diabetes” (**Life science.IF:3.44**)
Yaribeygi H, Maleki M, Sathyapalan T, Jamialahmadi T, Sahebkar A.
14. “The effects of statins on microglial cells to protect against neurodegenerative disorders: A mechanistic review.” (**Biofactors.IF:3.59**)
Bagheri H, Ghasemi F, Barreto GE, Sathyapalan T, Jamialahmadi T, Sahebkar A.
15. “Neuromodulatory effects of anti-diabetes medications: a mechanistic review.” (**Biofactors.IF:3.59**)
Yaribeygi H, Ashrafizadeh M, Henney NC, Sathyapalan T, Jamialahmadi T, Sahebkar A.
16. “The molecular mechanisms by which vitamin D improve glucose homeostasis: A mechanistic review”(**Life sciences.IF:3.44**)
Yaribeygi H, Maleki M, Sathyapalan T, Iranpanah H, Orafai HM, Jamialahmadi T, Sahebkar A

17. “Peptide decoys: a new technology offering therapeutic opportunities for breast cancer”(**Drug discovery today.IF:6.88**)
Mahjoubin-Tehran M, Rezaei S, Jalili A, Aghaee-Bakhtiari SH, Orafi HM, Jamialahmadi T, Sahebkar A
18. “Effects of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors on ageing: Molecular mechanisms” (**Ageing research reviews.IF:10.61**)
Bahrami A, Bo S, Jamialahmadi T, Sahebkar A
19. “Effects of statins on the biological features of mesenchymal stem cells and therapeutic implications” (**Heart failure reviews.IF:4.11**)
Gorabi AM, Kiaie N, Pirro M, Bianconi V, Jamialahmadi T, Sahebkar A.
20. “Effects of curcuminoids on inflammatory status in patients with non-alcoholic fatty liver disease: A randomized controlled trial” (**Complementary therapies in medicine.IF:1.97**)
Saberi-Karimian M, Keshvari M, Ghayour-Mobarhan M, Salehizadeh L, Rahmani S, Behnam B, Jamialahmadi T, Asgary S, Sahebkar A.
21. “Exosomes: Effectual players in rheumatoid arthritis” (**Autoimmunity reviews.IF:7.71**)
Tavasolian F, Moghaddam AS, Rohani F, Abdollahi E, Janzamin E, Momtazi-Borojeni AA, Moallem SA, Jamialahmadi T, Sahebkar A.
22. “Hepatic Function and Fibrosis Assessment Via 2D-Shear Wave Elastography and Related Biochemical Markers Pre- and Post-Gastric Bypass Surgery” (**Journal of Obesity Surgery .IF:3.89**)
Jamialahmadi T, Jangjoo A, Rezvani R, Goshayeshi L, Tasbandi A, Nooghabi MJ, Rajabzadeh F, Ghaffarzadegan K, Mishamandani ZJ, Nematy M.
23. “Molecular Mechanisms by Which Imeglimin Improves Glucose Homeostasis” (**Journal of diabetes research.IF:2.96**)
Yaribeygi H, Maleki M, Sathyapalan T, Jamialahmadi T, Sahebkar A.
24. “Curcumin: a phytochemical modulator of estrogens and androgens in tumors of the reproductive system” (**Pharmacological research.IF:5.57**)
Mohajeri M, Bianconi V, Ávila-Rodríguez MF, Barreto GE, Jamialahmadi T, Pirro M, Sahebkar A.
25. “Application of PLGA nano/microparticle delivery systems for immunomodulation and prevention of allotransplant rejection”(**Expert opinion on drug delivery.IF:4.83**)
Keshavarz Shahbaz S, Foroughi F, Soltaninezhad E, Jamialahmadi T, Penson PE, Sahebkar A.
26. “The pivotal role of CD69 in autoimmunity” (**Journal of autoimmunity.IF:6.65**)
Gorabi AM, Hajighasemi S, Kiaie N, Gheibi Hayat SM, Jamialahmadi T, Johnston TP, Sahebkar A.
27. “Resolution of Inflammation in Neurodegenerative Diseases: The Role of Resolvins” (**Mediators of inflammation.IF:3.45**)
Chamani S, Bianconi V, Tasbandi A, Pirro M, Barreto GE, Jamialahmadi T, Sahebkar A.

28. “Epigenetics in atherosclerosis: key features and therapeutic implications” (**Expert opinion on therapeutic targets.IF:4.59**)
Carbone F, Montecucco F, Xu S, Banach M, Jamialahmadi T, Sahebkar A.
29. “Epigenetic control of atherosclerosis via DNA methylation: A new therapeutic target?”(**Life sciences.IF:3.44**)
Gorabi AM, Penson PE, Banach M, Motallebnezhad M, Jamialahmadi T, Sahebkar A.
30. “Statins and the COVID-19 main protease: in silico evidence on direct interaction” (**Archives of medical science : AMS.IF:2.80**)
Reiner Ž, Hatamipour M, Banach M, Pirro M, Al-Rasadi K, Jamialahmadi T, Radenkovic D, Montecucco F, Sahebkar A.
31. “Potential effects of curcumin in the treatment of COVID-19 infection” (**Phytotherapy research.IF:3.09**)
Zahedipour F, Hosseini SA, Sathyapalan T, Majeed M, Jamialahmadi T, Al-Rasadi K, Banach M, Sahebkar A.
32. “Harnessing CD47 mimicry to inhibit phagocytic clearance and enhance anti-tumor efficacy of nanoliposomal doxorubicin” (**Expert opinion on drug delivery.IF:4.84**)
Gheibi Hayat SM, Jaafari MR, Hatamipour M, Jamialahmadi T, Sahebkar A.
33. “Long noncoding RNAs in nonalcoholic fatty liver disease and liver fibrosis: state-of-the-art and perspectives in diagnosis and treatment” (**Drug discovery today.IF:6.36**)
De Vincentis A, Rahmani Z, Muley M, Vespasiani-Gentilucci U, Ruggiero S, Zamani P, Jamialahmadi T, Sahebkar A.
34. “The Effect of Statins through Mast Cells in the Pathophysiology of Atherosclerosis: a Review” (**Current atherosclerosis reports.IF:3.41**)
Kouhpeikar H, Delbari Z, Sathyapalan T, Simental-Mendía LE, Jamialahmadi T, Sahebkar A.
35. “Curcumin: an inflammasome silencer” (**Pharmacological research.IF:5.57**)
Hasanzadeh S, Read MI, Bland AR, Majeed M, Jamialahmadi T, Sahebkar A.
36. “Prophylactic aspirin for preventing pre-eclampsia and its complications: An overview of meta-analyses” (**Drug discovery today.IF:6.36**)
Ghazanfarpour M, Sathyapalan T, Banach M, Jamialahmadi T, Sahebkar A.
37. “Incretin-based therapies and renin-angiotensin system: Looking for new therapeutic potentials in the diabetic milieu” (**Life sciences.IF:3.44**)
Yaribeygi H, Maleki M, Sathyapalan T, Jamialahmadi T, Sahebkar A.
38. “PPAR- α Agonist Fenofibrate Ameliorates Oxidative Stress in Testicular Tissue of Diabetic Rats” (**Critical reviews in eukaryotic gene expression.IF:1.84**)
Yaribeygi H, Mohammadi MT, Jamialahmadi T, Sahebkar A.

39. “Cyclodextrins: Potential therapeutics against atherosclerosis” (**Pharmacology & therapeutics.IF:11.12**)
Mahjoubin-Tehran M, Kovanen PT, Xu S, Jamialahmadi T, Sahebkar A.
40. “Non-alcoholic fatty liver disease and steatohepatitis: State of the art on effective therapeutics based on the gold standard method for diagnosis” (**Molecular metabolism.IF:6.13**)
Mahjoubin-Tehran M, De Vincentis A, Mikhailidis DP, Atkin SL, Mantzoros CS, Jamialahmadi T, Sahebkar A.
41. “Dysfunctional high-density lipoprotein: the role of myeloperoxidase and paraoxonase-1” (**Current medicinal chemistry.IF:4.18**)
Bacchetti T, Ferretti G, Carbone F, Ministrini S, Montecucco F, Jamialahmadi T, Sahebkar A.
42. “Nutritional adequacy in critically ill patients: Result of PNSI study”(Clinical nutrition.IF:6.77)
Javid Z, Shadnoush M, Khadem-Rezaiyan M, Mohammad Zadeh Honarvar N, Sedaghat A, Hashemian SM, Ardehali SH, Nematy M, Pournik O, Beigmohammadi MT, Safarian M, Moradi Moghaddam O, Khoshfetrat M, Zand F, Mohammad Alizadeh A, Kosari Monfared M, Mazaheri Eftekhari F, Mohamadi Narab M, Taheri AS, Babakhani K, Foroutan B, Jamialahmadi T, Jabbarzadeh Gangeh B, Meshkani M, Kimiaee F, Norouzy A.
43. “Pathophysiological mechanisms of statin-associated myopathies: possible role of the ubiquitin-proteasome system” (**Journal of cachexia, sarcopenia and muscle.IF:12.51**)
Sahebkar A, Cicero AFG, Di Giosia P, Pomilio I, Stamerra CA, Giorgini P, Ferri C, von Haehling S, Banach M, Jamialahmadi T.
44. “The Prevalence of Infectious Keratitis after Keratorefractive Surgery: A Systematic Review and Meta-Analysis Study” (**Journal of ophthalmology.IF:4.48**)
Afsharpaiman S, Zare M, Yasemi M, Jamialahmadi T, Sahebkar A.
45. “The Role of MicroRNAs in Regulating Cytokines and Growth Factors in Coronary Artery Disease: The Ins and Outs” (**Journal of immunology research.IF:3.32**)
Gorabi AM, Kiaie N, Sathyapalan T, Al-Rasadi K, Jamialahmadi T, Sahebkar A.
46. “Antiviral effects of statins” (**Progress in lipid research.IF:15.08**)
Gorabi AM, Kiaie N, Bianconi V, Jamialahmadi T, Al-Rasadi K, Johnston TP, Pirro M, Sahebkar A.
47. “Prospects for the potential of RNA interference in the treatment of autoimmune diseases: Small interfering RNAs in the spotlight” (**Journal of autoimmunity.IF:7.64**)
Gorabi AM, Kiaie N, Aslani S, Jamialahmadi T, Johnston TP, Sahebkar A.
48. “Obesity and Insulin Resistance: A Review of Molecular Interactions” (**Current molecular medicine.IF:2.25**)
Yaribeygi H, Maleki M, Sathyapalan T, Jamialahmadi T, Sahebkar A.

49. “The effect of caloric restriction and fasting on cancer”(Seminars in Cancer Biology.**IF:11.09**)
Alidadi M, Banach M, Guest PC, Bo S, Jamialahmadi T, Sahebkar A.
50. “Corrigendum to "The pivotal role of CD69 in autoimmunity" [J. Autoimmun. 111C (2020) 102453] (**Journal of autoimmunity.IF:6.65**)
Gorabi AM, Hajighasemi S, Kiaie N, Gheibi Hayat SM, Jamialahmadi T, Johnston TP, Sahebkar A.
51. “The effect of oral curcumin supplementation on health-related quality of life: A systematic review and meta-analysis of randomized controlled trials”. (**Journal of affective disorders. IF:4.08**)
Sadeghian M, Rahmani S, Jamialahmadi T, Johnston TP, Sahebkar A.
52. “Percentiles for anthropometric measures in 11-18 years-old students of 73 developing countries”. (**Diabetes & metabolic syndrome**)
Najafi F, Naderpour S, Moradinazar M, Khoramdad M, Vahedian-Azimi A, Jamialahmadi T, Sahebkar A.
53. “Evaluation of the effect of vitamin D3 supplementation on quantitative and qualitative parameters of spermograms and hormones in infertile men: A Randomized controlled trial.” (**Complementary therapies in medicine. IF: 1.97**)
Amini L, Mohammadbeigi R, Vafa M, Haghani H, Vahedian-Azimi A, Karimi L, Jahanfar S, Jamialahmadi T, Talebi A, Sahebkar A.
54. “GLP-1 mimetics and cognition” (**Life sciences.IF:3.44**)
Yaribeygi H, Rashidy-Pour A, Atkin SL, Jamialahmadi T, Sahebkar A.
55. “The potential of mitochondrial modulation by neuroglobin in treatment of neurological disorders” (**Free radical biology & medicine.IF :6.17**)
Gorabi AM, Aslani S, Barreto GE, Báez-Jurado E, Kiaie N, Jamialahmadi T, Sahebkar A.
56. “The role of potassium in atherosclerosis” (**European journal of clinical investigation.IF:3.08**)
Sahranavard T, Carbone F, Montecucco F, Xu S, Al-Rasadi K, Jamialahmadi T, Sahebkar A.
57. “Statins and C-reactive protein: in silico evidence on direct interaction” (**Archives of medical science : AMS. IF:2.80**)
Shakour N, Ruscica M, Hadizadeh F, Cirtori C, Banach M, Jamialahmadi T, Sahebkar A.
58. “The Impact of Diabetes Mellitus in COVID-19: A Mechanistic Review of Molecular Interactions” (**Journal of diabetes research. IF:2.96**)
Yaribeygi H, Sathyapalan T, Jamialahmadi T, Sahebkar A.
59. “Anti-tumor Effects of Curcuminoids in Glioblastoma Multiforme: An Updated Literature Review.” (**Current medicinal chemistry.IF: 4.18**)

Afshari AR, Jalili-Nik M, Abbasinezhad-Moud F, Javid H, Karimi M, Mollazadeh H, Jamialahmadi T, Sathyapalan T, Sahebkar A.

60. “Effects of phytochemicals on macrophage cholesterol efflux capacity: Impact on atherosclerosis. (**Phytotherapy research.IF:3.09**)
Soltani S, Boozari M, Cicero AFG, Jamialahmadi T, Sahebkar A.
61. “The role of myeloid-derived suppressor cells in rheumatoid arthritis: An update”(**Life sciences.IF:3.44**)
Navashenaq JG, Shabgah AG, Hedayati-Moghadam M, Ariaee N, Mohammadi H, Hemmatzadeh M, Azhdari S, Jamialahmadi T, Sathyapalan T, Sahebkar A.
62. “Implications of microRNAs in the pathogenesis of atherosclerosis and prospects for therapy.” (**Current Drug Targets. IF:3.52**)
Gorabi AM, Ghanbari M, Sathyapalan T, Jamialahmadi T, Sahebkar A.
63. Effects of statins on mitochondrial pathways. (**Journal of cachexia, sarcopenia and muscle.IF:12.51**)
Mollazadeh H, Tavana E, Fanni G, Bo S, Banach M, Pirro M, von Haehling S, Jamialahmadi T, Sahebkar A.
64. Pulmonary fibrosis: Therapeutic and mechanistic insights into the role of phytochemicals. (**Biofactors.IF:3.59**)
Hosseini SA, Zahedipour F, Sathyapalan T, Jamialahmadi T, Sahebkar A.
65. Statins Attenuate Fibrotic Manifestations of Cardiac Tissue Damage. (**Current Molecular Pharmacology.IF:3.66**)
Gorabi AM, Kiaie N, Bianconi V, Pirro M, Jamialahmadi T, Sahebkar A.
66. Effect of the Specific Training Course for Competency in Doing Arterial Blood Gas Sampling in the Intensive Care Unit: Developing a Standardized Learning Curve according to the Procedure's Time and Socioprofessional Predictors. (**BioMed Research International.IF:2.53**)
Vahedian-Azimi A, Rahimi-Bashar F, Pourhoseingholi MA, Salesi M, Shamsizadeh M, Jamialahmadi T, Gohari-Moghadam K, Sahebkar A.
67. Statin Therapy in Post-Operative Atrial Fibrillation: Focus on the Anti-Inflammatory Effects. (**Journal of Cardiovascular Development and Disease**)
Nomani H, Mohammadpour AH, Reiner Ž, Jamialahmadi T, Sahebkar A.
68. COVID-19 Is an Endothelial Disease: Implications of Nitric Oxide. (**Advances in Experimental Medicine and Biology.IF:245**)
Kidde J, Gorabi AM, Jamialahmadi T, Sahebkar A.

69. The Immune Response and Effectiveness of COVID-19 Therapies. (**Advances in Experimental Medicine and Biology.IF:245**)
Tavasolian F, Hatam GR, Mosawi SH, Saadi MI, Abdollahi E, Jamialahmadi T, Sathyapalan T, Sahebkar
70. Does SARS-CoV-2 Threaten Male Fertility? (**Advances in Experimental Medicine and Biology.IF:245**)
Vahedian-Azimi A, Karimi L, Makvandi S, Jamialahmadi T, Sahebkar A.
71. Acute Respiratory Distress Syndrome and COVID-19: A Scoping Review and Meta-analysis. (**Advances in Experimental Medicine and Biology.IF:245**)
Jafari-Oori M, Ghasemifard F, Ebadi A, Karimi L, Rahimi-Bashar F, Jamialahmadi T, Guest PC, Vahedian-Azimi A, Sahebkar A.
72. Cardiac Injury in COVID-19: A Systematic Review. (**Advances in Experimental Medicine and Biology.IF:245**)
Moayed MS, Rahimi-Bashar F, Vahedian-Azimi A, Sathyapalan T, Guest PC, Jamialahmadi T, Sahebkar A.
73. A Systematic Review of the Assessment of the Presence of SARS-CoV-2 in Human Semen. (**Advances in Experimental Medicine and Biology.IF:245**)
Vahedian-Azimi A, Karimi L, Makvandi S, Jamialahmadi T, Sahebkar A.
74. The role of statins in the differentiation and function of bone cells. (**European Journal of Clinical Investigation.IF:3.08**)
Chamani S, Liberale L, Mobasheri L, Montecucco F, Al-Rasadi K, Jamialahmadi T, Sahebkar A
75. A Review of Monoclonal Antibody-Based Treatments in Non-small Cell Lung Cancer.(**Advances in experimental medicine and biology.IF:2.45**)
Yunes Panahi, Amir Hossein Mohammadzadeh, Behzad Behnam, Hossein M Orafai, Tannaz Jamialahmadi, Amirhossein Sahebkar
76. A Systematic Review on the Genotoxic Effects of Selective Serotonin Reuptake Inhibitors.(**Advances in experimental medicine and biology.IF:2.45**)
Mahnaz Ahmadimanesh, Mohammad Reza Abbaszadegan, Narges Hedayati, Rezvan Yazdian-Robati, Tannaz Jamialahmadi, Amirhossein Sahebkar
77. Telomerase: A Target for Therapeutic Effects of Curcumin in Cancer. .(**Advances in experimental medicine and biology.IF:2.45**)
Fatemeh Forouzanfar, Muhammed Majeed, Tannaz Jamialahmadi, Amirhossein Sahebkar
78. Impact of Curcumin on Microsomal Enzyme Activities: Drug Interaction and Chemopreventive Studies.(**Current medicinal chemistry.IF:4.18**)
Habibeh Mashayekhi-Sardoo, Adeleh Mashayekhi-Sardoo, Basil D Roufogalis, Tannaz Jamialahmadi, Amirhossein Sahebkar
79. Foam Cells as Therapeutic Targets in Atherosclerosis with a Focus on the Regulatory Roles of Non-Coding RNAs.(**International journal of molecular sciences.IF:4.55**)

Amin Javadifar, Sahar Rastgoo, Maciej Banach, Tannaz Jamialahmadi, Thomas P Johnston, Amirhossein Sahebkar

80. Beneficial Effect of Statin Therapy on Arterial Stiffness.(BioMed research international.IF:2.58)
Mona Alidadi, Fabrizio Montecucco, Tannaz Jamialahmadi, Khalid Al-Rasadi, Thomas P Johnston, Amirhossein Sahebkar
81. Role of Curcumin in Regulating Long Noncoding RNA Expression in Cancer.(**Advances in experimental medicine and biology.IF:2.45**)
Abolfazl Amini, Parand Khadivar, Ali Ahmadnia, Morteza Alipour, Muhammed Majeed, Tannaz Jamialahmadi, Thozhukat Sathyapalan, Amirhossein Sahebkar
82. Protective Effects of Curcumin Phytosomes Against High-Fat Diet-Induced Atherosclerosis.(**Advances in experimental medicine and biology.IF:2.45**)
Mahdi Hatamipour, Tannaz Jamialahmadi, Mahin Ramezani, Sayyed Abolghasem Sajadi Tabassi, Luis E Simental-Mendía, Mohammad Reza Sarborji, Maciej Banach, Amirhossein Sahebkar
83. Intravenous Curcumin Mitigates Atherosclerosis Progression in Cholesterol-Fed Rabbits.(**Advances in experimental medicine and biology.IF:2.45**)
Amir Abbas Momtazi-Borojeni, Narges Amel Zabihi, Ramin Khameneh Bagheri, Muhammed Majeed, Tannaz Jamialahmadi, Amirhossein Sahebkar
84. Curcumin Can Bind and Interact with CRP: An in silico Study.(**Advances in experimental medicine and biology.IF:2.45**)
Neda Shakour, Ricardo Cabezas, Janneth González Santos, George E Barreto, Tannaz Jamialahmadi, Farzin Hadizadeh, Amirhossein Sahebkar
85. Effect of Curcumin on Severity of Functional Dyspepsia: a Triple Blinded Clinical Trial.(**Randomized Controlled Trial.IF:2.27**)
Yunes Panahi, Ashraf Karbasi, Ghasem Valizadegan, Nayyereh Ostadzadeh, Sara Saffar Soflaei, Tannaz Jamialahmadi, Muhammed Majeed, Amirhossein Sahebkar
86. Paving the Road Toward Exploiting the Therapeutic Effects of Ginsenosides: An Emphasis on Autophagy and Endoplasmic Reticulum Stress.(**Advances in experimental medicine and biology.IF:2.45**)
Milad Ashrafizadeh, Shima Tavakol, Reza Mohammadinejad, Zahra Ahmadi, Habib Yaribeygi, Tannaz Jamialahmadi, Thomas P Johnston, Amirhossein Sahebkar
87. Ethnobotanical Uses, Phytochemistry and Pharmacology of Different Rheum Species (Polygonaceae): A Review.(**Advances in experimental medicine and biology.IF:2.45**)
Leila Mohtashami, Mohammad Sadegh Amiri, Zahra Ayati, Mahin Ramezani, Tannaz Jamialahmadi, Seyed Ahmad Emami, Amirhossein Sahebkar
88. Ethnomedicinal Uses, Phytochemistry and Pharmacology of Different Cichorium Species (Asteraceae): A Review. (**Advances in experimental medicine and biology.IF:2.45**)

Zahra Boghrati, Elaheh Zibae, Zahra Ayati, Mohammad Sadegh Amiri, Mahin Ramezani, Tannaz Jamialahmadi, Seyed Ahmad Emami, Amirhossein Sahebkar

89. Associations between Pre-Bariatric High-Sensitivity C-Reactive Protein and Post-Surgery Outcomes. (**Diagnostics.IF:2.48**)

Tannaz Jamialahmadi, Mohsen Nematy, Simona Bo, Valentina Ponzio, Ali Jangjoo, Ladan Goshayeshi, Aida Tasbandi, Nikita G Nikiforov, Amirhossein Sahebkar

90. Targeting AMPK by Statins: A Potential Therapeutic Approach. (**Drugs.IF:6.18**)

Sajad Dehnavi, Amirhossein Kiani, Mahvash Sadeghi, Ali Farhadi Biregani, Maciej Banach, Stephen L Atkin, Tannaz Jamialahmadi, Amirhossein Sahebkar

91. The predictive role of parathyroid hormone for non-alcoholic fatty liver disease based on invasive and non-invasive findings in candidates of bariatric surgery. (**Eating and weight disorders : EWD.IF:3.63**)

Tannaz Jamialahmadi, Mohsen Nematy, Ali Jangjoo, Ladan Goshayeshi, Mohammed Altigani Abdalla, Saeed Akhlaghi, Thozhukat Sathyapalan, Amirhossein Sahebkar

92. Antioxidative Potentials of Incretin-Based Medications: A Review of Molecular Mechanisms. (**Oxidative medicine and cellular longevity.IF:5.07**)

Habib Yaribeygi, Mina Maleki, Thozhukat Sathyapalan, Tannaz Jamialahmadi, Amirhossein Sahebkar

93. In silico interactions of statins with cell death-inducing DNA fragmentation factor-like effector A (CIDEA). (**Chemico-biological interactions.IF:2.57**)

George E Barreto, Janneth Gonzalez, Željko Reiner, Tannaz Jamialahmadi, Valentina Echeverria, Ghulam Md Ashraf, Amirhossein Sahebkar

94. Protective effects of curcumin against lipopolysaccharide-induced toxicity. (**Current medicinal chemistry.IF:4.18**)

Ali Ganji, Iman Farahani, Amir Mohammad Saeedifar, Ghasem Mosayebi, Ali Ghazavi, Muhammed Majeed, Tannaz Jamialahmadi, Amirhossein Sahebkar

95. Improved COVID-19 ICU admission and mortality outcomes following treatment with statins: a systematic review and meta-analysis. (**Archives of medical science : AMS.IF:3.31**)

Amir Vahedian-Azimi, Seyede Momeneh Mohammadi, Farshad Heidari Beni, Maciej Banach, Paul C Guest, Tannaz Jamialahmadi, Amirhossein Sahebkar

96. PCSK9 and cancer: Rethinking the link. (**Biomedicine & pharmacotherapy = Biomédecine & pharmacothérapie.IF:6.52**)

Khadijeh Mahboobnia, Matteo Pirro, Ettore Marini, Francesco Grignani, Evgeny E Bezsonov, Tannaz Jamialahmadi, Amirhossein Sahebkar

97. Resveratrol and endothelial function: A literature review. (**Pharmacological research.IF:7.65**)

Negin Parsamanesh, Arghavan Asghari, Saeed Sardari, Aida Tasbandi, Tannaz Jamialahmadi, Suowen Xu, Amirhossein Sahebkar

98. The Effect of Combined Vitamin C and Vitamin E Supplementation on Oxidative Stress Markers in Women with Endometriosis: A Randomized, Triple-Blind Placebo-Controlled Clinical Trial. (**Pain research & management. IF:1.68**)
Leila Amini, Razieh Chekini, Mohammad Reza Nateghi, Hamid Haghani, Tannaz Jamialahmadi, Thozhukat Sathyapalan, Amirhossein Sahebkar
99. Potential benefits of phytochemicals for abdominal aortic aneurysm. (**Current medicinal chemistry. IF:4.18**)
Azar Hosseini, Peter E Penson, Arrigo Fg Cicero, Jonathan Golledge, Khalid Al-Rasadi, Tannaz Jamialahmadi, Amirhossein Sahebkar
100. The Role of Lipid Profile as an Independent Predictor of Non-alcoholic Steatosis and Steatohepatitis in Morbidly Obese Patients. (**Frontiers in cardiovascular medicine. IF:3.91**)
Narges Ashraf Ganjooei, Tannaz Jamialahmadi, Mohsen Nematy, Ali Jangjoo, Ladan Goshayeshi, Majid Khadem-Rezaiyan, Željko Reiner, Mona Alidadi, Alexander M Markin, Amirhossein Sahebkar
101. CD47 in the Brain and Neurodegeneration: An Update on the Role in Neuroinflammatory Pathways. (**Molecules. IF:4.41**)
Seyed Mohammad Gheibihayat, Ricardo Cabezas, Nikita G Nikiforov, Tannaz Jamialahmadi, Thomas P Johnston, Amirhossein Sahebkar

Papers in press (n=10)

Conference Presentation

- “The role of Non-governmental organization in provision of energy and nutrients, the impact on laboratory parameters and duration hospitalization in Imam Reza hospital”
The 18th congress of parenteral and enteral nutrition society of Asia (PENSA),
Nov 2017, Manila, Philippines. (Poster)
- “Determining liver stiffness using shear wave elastography in morbidly obese patients prior to bariatric surgery compared with liver biopsy”.
The 18th congress of parenteral and enteral nutrition society of Asia (PENSA),
Nov 2017, Manila, Philippines. (Poster)
- “Frequency of malnutrition in Iranian inpatients compared to other countries”.
The 17th Congress of parenteral and enteral nutrition society of Asia (PENSA),
Dec 2016, Tehran, Iran. (Oral)
- “A comparison of patient’s weight, serum albumin, serum magnesium and total protein as nutritional parameters in BICU”.
The 5th Iranian burn congress
Sep 2016, Tehran, Iran. (Oral)

Membership and Honorary/Professional activities:

- Member of Iranian Society of Nutrition 2015-present
- 1th Khorasan International Congress of Surgery. Administrative Committee Interpreter. 2014
- EDC (Education Development Center) Mashhad University of Medical Sciences. Active Member (2008-2009)
- International Journal of Biomedicine and Public Health. Technical Manager 2017
- Journal of Nutrition, Fasting and Health (JNFH). Reviewer 2017-present
- Journal of Nutrition And Food Security (JNFS). Reviewer 2019-present
- Iranian Medical Council (M.C.No: 177418) 2019-present

Professional Experience***Private Clinic, Mashhad, Iran*** 2016-Present

- Directed support group for excessively obese patients in close coordination with facility psychologist
- Designed individual patient nutrition plans with regard to possible health side effects
- Contributed to diabetes awareness education

Ghaem Hospital, Mashhad, Iran 2016-Present

- Supervised in the conduct of clinical research
- Working as part of a team & involved in clinical trials
- Assisted in design and development of student training in nutrition and wellness issues.
- Performed screening, assessments and physical workups for patients as required on an individual basis.

- Supervised clinic diet office, including training and scheduling.
- Facilitated small-group workshops on preventive nutrition awareness on-site.

Teaching Experience

✓ **Teaching Assistant:**

- “Nutrition and Metabolism” for PhD students, 1st semester 2015-2016. (0.7 unit)
- “Nutrition and Metabolism” for PhD students, 2nd semester 2015-2016. (0.7 unit)
- “Nutritional Management in Bariatric Surgery” for MSc students, 1st semester 2015-2016. (2 units)
- “Nutritional Management in Bariatric Surgery” for PhD students, 2nd semester 2016-2017. (0.7 unit)
- “Current Topics in Nutrition” for MSc students, 1st semester 2016-2017. (1 unit)
- “Essentials of Nutrition” for MSc students, 2nd semester 2016-2017. (1.76 units)
- “Lectures for nutritionists in Province Health Center of Mashhad University of Medical Sciences” (4 hours)
- “Nutrition in Surgery” for MSc students, 2nd semester 2018-2019. (1unit)
- “Clinical Nutrition Assessment” for MSc students, 2nd semester 2018-2019 (2 units)
- “General pharmacology for MSc students”, 1st semester 2018-2019 (2 units)

✓ **Assistant Professor:**

- General Anatomy for MSc students, 2nd semester 2019-2020 (2 units)
- Neurophysiology for MSc students, 2nd semester 2019-2020 (2 units)
- Physiology for MSc students, 2nd semester 2019-2020 (2 units)
- General Anatomy for MSc students, 1st semester 2020-2021 (2 units)
- Physiology for MSc students, 1st semester 2020-2021 (2 units)
- Basic Nutrition for MSc students, 1st semester 2020-2021 (2 units)

Workshop Attended

- Scientific Writing, Editing and Communication Skills” (2 days), Mashhad, Iran
- Systematic Review and Meta-Analysis” (8 hours), Mashhad, Iran.
- “Sport Nutrition” (24 hours), Mashhad, Iran
- ESPEN Life Long Learning Program: “Approach to parenteral nutrition”, Tehran, Iran.
- The Sixth IAS-OSLA Course “Lipid Metabolism and Cardiovascular Risk, Muscat, Oman, February 14-17, 2020

Skills and Proficiencies

- General software: MS Office, EndNote
- Language: Persian (native), English (fluent)
- Statistical packages: SPSS, Prism, Stata, CMA
- Systematic review and meta-analysis

CURRICULUM VITAE

Mohamed Salama Abdel Hafez khalil

Master of cardiology – Ain Shams University

Cardiology and Critical care Specialist

Mohamed Salama

Mohamed Salama Abdelhafez Khalil

Cardiology and Critical care specialist Police

Authority Hospitals

Cairo - Egypt

Mobile: +201061113306

E-mail: MOHAMEDSALAMAKHALIL1990@yahoo.com

Date of Birth: 13 June 1990

Gender: Male

Marital Status: married

Nationality: Egyptian

EDUCATION:

start by the latest one

January 2020

1st part MD of cardiology

November 2018

Master of cardiology

Ain Shams_University_ Faculty of Medicine - Cairo - Egypt

December 2013

Bachelor of Medicine and Surgery - MB ChB

Cairo University - Faculty of Medicine - Cairo - Egypt

WORK EXPERIENCE:

start by the latest one

From January 2018
Cardiology department

Cardiology visitor resident

Benha University Hospitals

June 2016 – till now

ICU resident

Arab Contractor Medical Center

Cairo – Egypt

November 2015 – till now
Police Authority Hospitals

Cardiology resident

Cairo – Egypt

november 2015 – Sept 2016

Cardiology resident

Military

hospitals

Egypt

Mohamed Salama

March 2015 – November 2016
Academy

Police

Cairo – Egypt

March 2014 – Feb 2015

Internship
Cairo University Hospitals
Cairo – Egypt

JULY 2017 – DECEMBER 2019

Head of the ER department
And ICU – CCU units
In ALHYAH SPECIALIZED HOSPITAL IN GIZA

SURGICAL/MEDICAL SKILLS:

- Insertion of central lines
- Insertion of peripheral lines
- BLS provider
- ACLS provider
- Insertion of chest tubes
- Asatic and pleural fluid tapping

WORKSHOPS/CONFRENCES ATTENDED:

start by the latest one

27 November 2016 to 9 April 2017

Practical Echocardiography basic and a dvanced training coarse by
Dr. Mohamed Mamduh el-sadafy
Egyptian Society of Echocardiography

Cairo – Egypt

March 2017

Cardiology Education Program for general practitioners
Geziret El-ward club
Mansoura – Egypt

February 2017

Basic ECG tips and tricks
Ramada Hotel

Mansoura – Egypt

January 2017

Pacemaker programming
Specialized Medical Hospital, Mansoura University

Mansoura – Egypt

May 2016

Echocardiography work shop
J.W Marriott

Cairo – Egypt

.



Mohamed Salama

May 2016

Cardiac MRI workshop

J.W Marriott

Cairo – Egypt

May 2016

Basic life support in

National training institute

Cairo – Egypt

May 2016

Advanced cardiovascular life support

National training institute

Cairo – Egypt

Apr 2016

11th Annual Scientific Meeting of the cardiology Department

Dar Al Fouad Hospital

Fairmont Hotel

Cairo – Egypt