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A Professor of Biochemistry with a leadership experience in academia, research, and management.

EXPERIENCE

SEPT. 2021-PRESENT

DIRECTOR OF GRADUATE PROGRAM STUDIES, ALFAISAL UNIVERSITY

SEPT. 2014-PRESENT

PROFESSOR OF BIOCHEMISTRY, COLLEGE OF MEDICINE, ALFAISAL UNIVERSITY

SEPT. 2014 – DEC. 2018

VICE DEAN FOR RESEARCH AND GRADUATE STUDIES, ALFAISAL UNIVERSITY

SEPT. 2012 – AUG. 2014

DEAN, FACULTY OF SCIENCE, BEIRUT ARAB UNIVERSITY

EDUCATION

JAN 1993

DOCTOR OF PHILOSOPHY IN MEDICAL BIOCHEMISTRY, MEDICAL SCHOOL, UNIVERSITY OF MANCHESTER, UK

JULY 1989

MASTERS OF SCIENCE IN BIOCHEMISTRY, MEDICAL SCHOOL, AMERICAN UNIVERSITY OF BEIRUT

SKILLS

- Fluent in Arabic, English & French
- Members of several international academic committees
- Long experience in community service
- Multitasker
- Highly skilled in problem solving

PUBLICATIONS

1. Batha L, Aziz MA, Zhra M, Holail J, Al-Qahtani WS, **Fakhoury R**, Aljada A. Differential Gene Expression Signatures and Cellular Signaling Pathways induced by Lamin A/C Transcript Variants in MCF7 Cell Line. *Front Biosci (Landmark Ed)*. 2023 Jun 12;28(6):113.
2. Hana M A Fakhoury , Said El Shamieh , Amru Rifai , Hani Tamim , **Rajaa Fakhoury** . Vitamin D related gene polymorphisms and cholesterol levels in a Mediterranean population. *J Cardiovasc Dev Dis*. 2022 Mar 27;9(4):102.
3. Maya idriss , Maria Younes, Sonia Abou Najem, Mohammad Hassan Hodroj , **Rajaa Fakhoury** , Sandra Rizk . Gamma-tocotrienol synergistically promotes the anti-proliferative and pro-apoptotic effects of etoposide on breast cancer cell lines. *Curr Mol Pharmacol*. 2022;15(7):980-986.
4. Kreydieh, Dima & **Fakhoury, Rajaa** & El Ghoch, Marwan. Exploring the effectiveness of a 1.5-Year weight management intervention for adults with obesity. *Clinical Nutrition ESPEN*. (2021). 42. 10.1016
5. Said El Shamieh , Ali Salami, Mirna Fawaz , Rania Jounblat , Mirna Waked , **Rajaa Fakhoury** . rs6837671A>G in *FAM13A* Is a Trans-Ethnic Genetic Variant Interacting with Vitamin D Levels to Affect Chronic Obstructive Pulmonary Disease. *J Pers Med*. 2021 Jan 30;11(2):84
6. Naja K, El Shamieh S, Salami A., **Fakhoury R** . rs622342 in *SLC22A1*, *CYP2C9*2* and *CYP2C9*3* and Glycemic Response in Individuals with Type 2 Diabetes Mellitus Receiving Metformin/Sulfonylurea Combination Therapy: 6-Month Follow-Up Study. *Journal of Personalized Medicine*.2020 (10), 53-61.
7. Naja K, El Shamieh S, **Fakhoury R** . rs622342A>C in *SLC22A1* is associated with metformin pharmacokinetics and glycemic response. *Drug Metabolism and Pharmacokinetics*, 2020 (35) 160-164.
8. Maya Idriss, Mohammad Hassan Hodroj, **Fakhoury R** . and Sandra Rizk. Beta-Tocotrienol Exhibits More Cytotoxic Effects than Gamma-Tocotrienol on Breast Cancer Cells by Promoting Apoptosis via a P53-Independent PI3-Kinase Dependent Pathway. *Biomolecules* 2020, 10, 577-596.
9. El Ghoch M and **Fakhoury R** . Challenges and new directions in obesity management: Lifestyle modification programmes, pharmacotherapy and bariatric surgery. *J Popul Ther Clin Pharmacol*. 2019 May 23;26(2):e1-e4.
10. Said El Shamieh, Fatima Saleh, Niveen Masri, Hana M Fakhoury, **Fakhoury R** . The association between ACE I/D polymorphism and the risk of Alzheimer’s disease in Lebanon. *Meta Gene*, 2018 (18), 191 – 194
11. Alghalyini B, El Shamieh S, Salami A, Visvikis Siest S, Fakhoury HM, **Fakhoury R** . Effect of *SLCO1B1* gene polymorphisms and vitamin D on statin-induced myopathy. *Drug Metabolism and Personalized Therapy*, 2018, 33 (1), 41-47
12. R Bitar, **Fakhoury R.**, R Fahmi, J Borjac. Histopathological Effects of the *Annona muricata* Aqueous Leaves Extract on the Liver and Kidneys of Albino Mice. *Trans Med*, 2017 (7), 2161-1025.
13. Sarah Fawwaz, Mahmoud Balbaa, Hana Fakhoury, **Fakhoury R** . Association between Angiotensin Converting Enzyme Insertion/Deletion Gene polymorphism and End-Stage Renal Disease in Lebanese patients with Dabetic Nephropathy. *Saudi. J. Kidney. Dis. Transpl* 2017;28(2): 325-329
14. Khalife Rana, Hodroj Mohammad, **Fakhoury R.**, Risk Sandra. Thymoquinone from *Nigella Sativa* seeds promotes the antitumor activity of nontoxic doses of topotecan in human colorectal cancer cells in Vitro. *Planta Med*. 2016 Mar;82(4):312-21
15. Soudani NY, **Fakhoury R.**, Kaissi SS, Zgheib NK. The role of genetic polymorphisms in endothelial nitric oxide synthase and beta2-adrenergic receptors with risk of hypertension in a sample of Lebanese people. *Saudi Med J*. 2014 Mar; 35(3):255-60.
16. Julnar Usta, Yassmine Hachem, Omar Al-Rifai, Yolla Bou-Moughlabey, Karim Echtay, David Griffiths, Hania Nakkash-Chmaisse, **Fakhoury R** . Fragrance chemicals lylral and lilial decrease

- viability of HatCat cells by increase free radical production and lowering intracellular ATP level: Protection by antioxidants. 2013. *Toxicology in vitro*, 27(1): 339-348.
17. Hana Fakhoury, Sara Nouredine, Hania N. Chmaisse, Hani Tamim, **Rajaa F. Makki**. "MMP1-1607 (1G>2G) polymorphism and the risk of lung cancer in Lebanon". 2012. *Annals of Thoracic Medicine*, 7(3): 130- 132
 18. S. Nouredine, H. Nakkash Chmaisse, H. Tamim, H. Fakhoury, and **R. F. Makki**. "Association of MMP3 -1171(5A>6A) Polymorphism with Lung Cancer in Lebanon".2012. *Genetic testing and molecular biomarkers*16(8):982-990
 19. Nahas R, Nakkash Chamaisse H, Fakhoury H and **Makki R**. "Study of the association of –403G/A and –28C/G RANTES gene polymorphisms and asthma in Lebanon". 2012. *Annals of Thoracic Medicine* 7(1):16–20.
 20. H. Chmaisse, **R. Makki**, G. Nahhas, K. Knio, and N. Nuwayri-Salti." Detection of Leishmania parasites in blood of patients with isolated cutaneous Leishmaniasis". *International Journal of Infectious Disease*. 2011,15(7):491-494.
 21. R. J. El Wafai, H. Nakkash Chmaisse, **Rajaa F. Makki**, and Hana Fakhoury. "Association of HLA Class II Alleles and CTLA-4 Polymorphism with Type 1 Diabetes". *Saudi. J. Kidney. Dis. Transpl.*, 2011, 22(2):273-281.
 22. M. Akra-Ismaïl, **R. Fakhoury**, H. Nakkash Chmaisse, A. Kazma, and N. Khoueiry Zgheib. "Association Between Angiotensin Converting Enzyme Insertion/Deletion Genetic Polymorphisms and Hypertension in a Sample of Lebanese People". *Genetic Testing and Molecular Biomarkers*, 2010, 14(6):1-6.
 23. Abdelmeguid NE, **Fakhoury R**, Kamal SM, and Al Wafai RJ. Effects of Nigella sativa and thymoquinone on biochemical and subcellular changes in pancreatic β -cells of streptozotocin-induced diabetic rat. *Journal of Diabetes* 2 (2010) 1–11.
 24. H. Nakkash Chmaisse, M. Jammal, H. Fakhoury, and **R. Fakhoury**. "Study on the Association between Angiotensin-1 Converting Enzyme I/D Dimorphism and Type-2 diabetes Mellitus". *Saudi. J. Kidney. Dis. Transpl*, 2009, 20(6):1038-1046.
 25. Salwa M. Kamal, **Rajaa F. Makki**, and Dalal A. Hammoudi : Mouse Mammary Tumor Virus (MMTV) like sequence in breast cancer of Egyptian women. *Prevention of Cancer: New Research*. 2008. Editors: JW Rosenthal and WJ Carey, pp. 133-141 Nova Science Publishers, Inc.
 26. H Nakkash-Chmaisse, H Fakhoury, N.N. Salti and **R F Makki**. The ICAM-1 T/C 469 gene polymorphism but not G/A 241 is associated with Behcet's disease in the Lebanese population. *Saudi Medical Journal*, 2006, 27(5):604-607.
 27. **R.F. Makki**, H. Nakkash-Chmaisse, and N.N. Salti. A study of the effects of factor VG1691A, Methylenetetrahydrofolate reductase gene C677T, Prothrombin Gene G20210A and ICAM-1gene G241A mutations on Behcet's disease in Lebanon. *Alex. J.Pharm. Sc.* 2006, 20(1):64-66.
 28. Wafaa A. Amer, Salwa M. Kamal, **Rajaa F. Makki** and Hala B. Rahal. Effect of Fluoroquinolones on Actinobacillus actinomycetemcomitans associated periodontitis, using surgical and non-surgical approaches. *J. Med. Microbiol.* 2005, 14 (2) : 165-172.
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37. **R.F. Makki**, A. Wahadneh and E. Qudah. Genetic variation in the stromelysin promoter and Rheumatoid arthritis.*Alex.J.Pharm.Sci*.2000,14(2):109-112.
A.A Fryer, M.A. Spiteri, A. Bianco, M. Hepple, P.W. Jones, R.C. Strange, R. Makki, G. Tavernier, F.I. Smilie, A. Woudcock, W.E. Ollier and A.H.Hajeer. The – 403 G ---- A promoter polymorphism in the RANTES gene is associated with atopy and asthma. *Genes Immun*. 2000 (8) : 509-514.
38. H.F. Hajeer and **R.F. Makki**. Matrix Metalloproteinases-Review article. *Alex. J. Pharm. Sci*.1999, 13(1) : 79-84.
39. F.M. Al Sharif, **R.F. Makki**, W.E.R. Ollier and A.H. Hajeer. A new Microsatellite marker within the promoter region of the MIP-1 A gene. *Immunogenetics* 1999, 49: 740- 741.
40. A.L. Wallace, **R Makki**, J. Weiss and S. Hughes. Measurement of serum angiogenic factor in devascularised experimental tibial fractures. *Journal of Orthopaedic Trauma* 1995, 9(4): 324-332.
41. M.D. Brown, O. Hudlicka, R.F. Makki and J.B. Weiss. Low molecular mass endothelial cell stimulating factor (ESAF) in relation to capillary growth induced in rat skeletal muscle by low frequency electrical stimulation. *Int. J. Microc.- Clinical and Experimental* 1995, 49: 740- 741.
42. P.B. Jones, **R.F. Makki** and J.B. Weiss. Endothelial cell stimulating angiogenic factor- A new biological marker for disease activity in ankylosing spondylitis. *British Journal of Rheumatology* 1994, 33 : 332-33