

## Scientific Publication

- Kaiser Wani, Malak N.K. Khattak, Gamal M. Saadawy, Omar S. Al-Attas, **Majed S. Alokail**, Nasser M. Al-Daghri. Sex-specific cut-offs of Single Point Insulin Sensitivity Estimator (SPISE) in Predicting Metabolic Syndrome in the Arab Adolescents. Submitted to publication in Diagnostics journal.
- Al-Daghri NM, Alfawaz H, Khan N, Al-Saleh Y, Aljohani NJ, Aldisi D, Alkhalidi G, Alqarni AM, Almasoudi HO, Alshehri LA, Alanzi RM, Khattak MNK, Elsaid MA, **Alokail MS**. Association of Vitamin D Knowledge, Behavior and Attitude with BMI Status among Arab Adults. *Int J Environ Res Public Health*. 2022 Sep 5;19(17):11107.
- Yakout S, Faqeeh F, Al-Attas O, Hussain SD, Saadawy GM, Al-Daghri NM, **Alokail MS**. Patterns of essential trace elements (Cr, Mn, Ni, and Se) in Saudi patients with type 2 diabetes mellitus. *Am J Transl Res*. 2022 Nov 15;14(11):8175-8182.
- Alfawaz HA, Alfaifi AA, Yakout SM, Khattak MNK, Alnaami AM, Al-Thayidi A, Elsaid MA, Al-Daghri NM, **Alokail MS**. Circulating hepcidin and its associations with low-grade inflammation and iron indices among Arab adults with and without T2DM. *Am J Transl Res*. 2022 Oct 15;14(10):7520-7527.
- Amer OE, Wani K, Ansari MGA, Alnaami AM, Aljohani N, Abdi S, Hussain SD, Al-Daghri NM, **Alokail MS**. Associations of Bone Mineral Density with RANKL and Osteoprotegerin in Arab Postmenopausal Women: A Cross-Sectional Study. *Medicina (Kaunas)*. 2022 Jul 22;58(8):976.
- Khan MS, Althobaiti MS, Almutairi GS, **Alokail MS**, Altwaijry N, Alenad AM, Al-Bagmi MS, Alafaleq NO. Elucidating the binding and inhibitory potential of p-coumaric acid against amyloid fibrillation and their cytotoxicity: Biophysical and docking analysis. *Biophys Chem*. 2022 Dec;291:106823.
- Khan MS, **Alokail MS**, Alenad AMH, Altwaijry N, Alafaleq NO, Alamri AM, Zawba MA. Binding Studies of Caffeic and p-Coumaric Acid with  $\alpha$ -Amylase: Multispectroscopic and Computational Approaches Deciphering the Effect on Advanced Glycation End Products (AGEs). *Molecules*. 2022 Jun 21;27(13):3992.
- Alenad AM, Alkaltham LF, Sabico S, Khattak MNK, Wani K, Al-Daghri NM, **Alokail MS**. Associations of zinc- $\alpha$ -2-glycoprotein with metabolic syndrome and its components among adult Arabs. *Sci Rep*. 2022 Mar 22;12(1):4908.
- Aldawsari GM, Sabico S, Alamro AA, Alenad A, Wani K, Alnaami AM, Khattak MNK, Masoud MS, Al-Daghri NM, **Alokail MS**. Angiogenin Levels and Their Association with Cardiometabolic Indices Following Vitamin D Status Correction in Saudi Adults. *Biology (Basel)*. 2022 Feb 11;11(2):286.
- Khan MS, Rehman MT, Ismael MA, AlAjmi MF, Alruwashed GI, **Alokail MS**, Khan MR. Bioflavonoid (Hesperidin) Restrains Protein Oxidation and Advanced Glycation End Product Formation by Targeting AGEs and Glycolytic Enzymes. *Cell Biochem Biophys*. 2021 Dec;79(4):833-844. doi: 10.1007/s12013-021-00997-8. Epub 2021 Jun 10. PMID: 34110566.
- Khan MS, Khan RA, Rehman MT, Ismael MA, Husain FM, AlAjmi MF, **Alokail MS**, Altwaijry N, Alsalme AM. Elucidation of molecular interactions of theaflavin monogallate with camel milk lactoferrin: detailed spectroscopic and dynamic simulation studies. *RSC Adv*. 2021 Aug 4;11(43):26710-26720. doi: 10.1039/d1ra03256a. eCollection 2021 Aug 2. PMID: 35479994.
- Khan MS, Tabrez S, **Alokail MS**, Shaik GM, Bhat SA, Rehman TM, Husain FM, AlAjmi MF. Non-enzymatic glycation of protein induces cancer cell proliferation and its inhibition by quercetin: Spectroscopic, cytotoxicity and molecular docking studies. *J Biomol Struct Dyn*. 2021 Feb;39(3):777-786. doi: 10.1080/07391102.2020.1715838. Epub 2020 Feb 12. PMID: 3196077.
- Abdi S, Almiman AA, Ansari MGA, Alnaami AM, Mohammed AK, Aljohani NJ, Alenad A, Alghamdi A, **Alokail MS**, Al-Daghri NM. PTHR1 Genetic Polymorphisms Are Associated with Osteoporosis among Postmenopausal Arab Women. *Biomed Res Int*. 2021 Dec 22;2021:2993761. doi: 10.1155/2021/2993761. eCollection 2021. PMID: 34977236.
- Khan MS, Alomari A, Tabrez S, Hassan I, Wahab R, Bhat SA, Alafaleq NO, Altwaijry N, Shaik GM, Zaidi SK, Nouh W, **Alokail MS**, Ismael MA. Anticancer Potential of Biogenic Silver Nanoparticles: A Mechanistic Study. *Pharmaceutics*. 2021 May 12;13(5):707. doi: 10.3390/pharmaceutics13050707. PMID: 34066092.
- Al-Daghri NM, Hussain SD, Ansari MGA, Khattak MNK, Aljohani N, Al-Saleh Y, Al-Harbi MY, Sabico S, **Alokail MS**. Decreasing prevalence of vitamin D deficiency in the central region of Saudi Arabia (2008-2017). *J Steroid Biochem Mol Biol*. 2021 Sep;212:105920. doi: 10.1016/j.jsbmb.2021.105920. Epub 2021 May 15. PMID: 34004334.
- Abrar B. Alsaleh, Ahmed Kassab, Safia Massoudi, Saranya Ramesh, **Majed Alokail**, The Impact of Chimerism on DNA-based Human Identification from skin surface cells of post-allogenic hematopoietic stem cell transplantation (HCST) patients. *Forensic Sci Int*. 2021 Jan;318:110636. doi: 10.1016.
- Shahnawaz Khan M, Tabrez S, Rehman MT, **Alokail MS**. Al (III) metal augment thermal aggregation and fibrillation in protein: Role of metal toxicity in neurological diseases. *Saudi J Biol Sci*. 2020 Sep;27(9):2221-2226. doi: 10.1016/j.sjbs.2020.05.013.

- Yakout SM, Al-Daghri NM, Bukhari I, Khattak MNK, Sabico S, **Alokail MS**, Al-Attas OS. Vitamin D level and its relation to muscle and fat mass in adult male Arabs. *Saudi J Biol Sci.* 2020 Sep;27(9):2452-2456. doi: 10.1016/j.sjbs.2020.07.002.
- Alenad A, Alenezi MM, **Alokail MS**, Wani K, Mohammed AK, Alnaami AM, Sulimani M, Zargar S, Clerici M, Al-Daghri NM. Association of ANGPTL8 (Betatrophin) Gene Variants with Components of Metabolic Syndrome in Arab Adults.. *Sci Rep.* 2020 Apr 21;10(1):6764. doi: 10.1038/s41598-020-63850-7.
- M Al-Daghri N, Abd-Alrahman S, Wani K, Krishnaswamy S, Alenad A, Hassan MA, S Al-Attas O, **Alokail MS**. Strong Parent-Child Correlation in Circulating Vitamin B12 levels and Its Association with Inflammatory Markers in Saudi Families. *Int J Vitam Nutr Res.* 2019 Apr 1:1-9. doi: 10.1024/0300-9831/a000585. Online ahead of print.PMID: 30932791
- Khan MS, Tabrez S, **Al-Okail MS**, Shaik GM, Bhat SA, Rehman TM, Husain FM, AlAjmi MFJ. Non-enzymatic glycation of protein induces cancer cell proliferation and its inhibition by quercetin: Spectroscopic, cytotoxicity and molecular docking studies. *Biomol Struct Dyn.* 2020 Feb 12:1-10. doi: 10.1080/07391102.2020.1715838.
- Ansari MGA, Hussain SD, Wani KA, Yakout SM, Al-Disi D, **Alokail MS**, Reginster JY, Al-Daghri NM Influence of bone mineral density in circulating adipokines among postmenopausal Arab women. *Saudi J Biol Sci.* 2020 Jan;27(1):374-379. doi: 10.1016/j.sjbs.2019.10.007. Epub 2019 Oct 31.PMID: 31889860.
- Wani K, Alfawaz H, Alnaami AM, Sabico S, Khattak MNK, Al-Attas O, **Alokail MS**, Alharbi M, Chrousos G, Kumar S, Al-Daghri NM. Effects of A 12-Month Intensive Lifestyle Monitoring Program in Predominantly Overweight/Obese Arab Adults with Prediabetes. *Nutrients.* 2020 Feb 12;12(2):464. doi: 10.3390/nu12020464.
- Alamro AA, Alsulami EA, Almutlaq M, Alghamedi A, **Alokail M**, Haq SH. Therapeutic Potential of Vitamin D and Curcumin in an *In Vitro* Model of Alzheimer Disease. *J Cent Nerv Syst Dis.* 2020 May 27;12:1179573520924311. doi: 10.1177/1179573520924311. eCollection 2020.
- Al-Daghri NM, Torretta E, Barbacini P, Asare H, Ricci C, Capitanio D, Guerini FR, Sabico SB, **Alokail MS**, Clerici M, Gelfi C. Publisher Correction: Sphingolipid serum profiling in vitamin D deficient and dyslipidemic obese dimorphic adults. *Sci Rep.* 2020 Feb 4;10(1):2183. doi: 10.1038/s41598-020-58287-x.
- Ansari MGA, Sabico S, Clerici M, Khattak MNK, Wani K, Al-Musharaf S, Amer OE, **Alokail MS**, Al-Daghri NM. Vitamin D Supplementation Is Associated with Increased Glutathione Peroxidase-1 Levels in Arab Adults with Prediabetes. *Antioxidants (Basel).* 2020 Jan 29;9(2):118. doi: 10.3390/antiox9020118.
- Khan MS, Qais FA, Rehman MT, Ismail MH, **Alokail MS**, Altwaijry N, Alafaleq NO, AlAjmi MF, Salem N, Alqhatani R. Mechanistic inhibition of non-enzymatic glycation and aldose reductase activity by naringenin: Binding, enzyme kinetics and molecular docking analysis. *Int J Biol Macromol.* 2020 Sep 15;159:87-97. doi: 10.1016/j.ijbiomac.2020.04.226. Epub 2020 May 11.
- Khan MS, Bhatt S, Tabrez S, Rehman MT, **Alokail MS**, AlAjmi MF. Quinoline yellow (food additive) induced conformational changes in lysozyme: a spectroscopic, docking and simulation studies of dye-protein interactions. *Prep Biochem Biotechnol.* 2020;50(7):673-681. doi: 10.1080/10826068.2020.1725774. Epub 2020 Feb 26.
- Wani K, Sabico S, Alnaami AM, Al-Musharaf S, Fouda MA, Turkestani IZ, Al-Ajlan A, Alshingetti NM, **Alokail MS**, Al-Daghri NM. Early-Pregnancy Metabolic Syndrome and Subsequent Incidence in Gestational Diabetes Mellitus in Arab Women. *Front Endocrinol (Lausanne).* 2020 Feb 27;11:98.
- Al-Daghri, N., Abd-Alrahman, SH, Wani, W., Panigrahy, A., McTernan., PG., Al-Attas, OS., **Alokail, MS**. Biomonitoring and risk assessment of organochlorine pesticides among Saudi adults. *Arabian Journal of Chemistry.* Volume 12, Issue 7, November 2019, Pages 1795-1801.
- Al-Daghri NM, Torretta E, Barbacini P, Asare H, Ricci C, Capitanio D, Rosa Guerini F, Sabico SB, **Alokail MS**, Clerici M, Gelfi C. Sphingolipid serum profiling in vitamin D deficient and dyslipidemic obese dimorphic adults. *Sci Rep.* 2019 Nov 13;9(1):16664.
- Al-Daghri NM, Wani K, Yakout SM, Al-Hazmi H, Amer OE, Hussain SD, Sabico S, Ansari MGA, Al-Musharaf S, Alenad AM, **Alokail MS**, Clerici M. Favorable Changes in Fasting Glucose in a 6-month Self-Monitored Lifestyle Modification Programme Inversely Affects Spexin Levels in Females with Prediabetes. *Sci Rep.* 2019 Jul 1;9(1):9454.
- Wani K, Yakout SM, Ansari MGA, Sabico S, Hussain SD, **Alokail MS**, Sheshah E, Aljohani NJ, Al-Saleh Y, Reginster JY, Al-Daghri NM. Metabolic Syndrome in Arab Adults with Low Bone Mineral Density. *Nutrients.* 2019 Jun 21;11(6).
- Masoud MS, Yakout SM, Al-Attas OS, **Alokail MS**, Al-Daghri NM. The association between iron and vitamin D status in Arab adolescents. *Public Health Nutr.* 2020 May;23(7):1208-1213. doi: 10.1017/S1368980019001113. Epub 2019 May 17.PMID: 31097054.
- Manousopoulou A, Al-Daghri NM, Sabico S, Garay-Baquero DJ, Teng J, Alenad A, **Alokail MS**, Athanasopoulos N, Deligeoroglou E, Chrousos GP, Bacopoulou F, Garbis SD. Polycystic Ovary Syndrome and Insulin Physiology: An Observational Quantitative Serum Proteomics Study in Adolescent, Normal-Weight Females. *Proteomics Clin Appl.* 2019 Apr 9: e1800184.
- Al-Daghri NM, Mohammed AK, Bukhari I, Rikli M, Abdi S, Ansari MGA, Sabico S, Hussain SD, Al-Saleh Y, Alenad A, **Alokail MS**. Efficacy of vitamin D supplementation according to vitamin D binding protein polymorphisms. *Nutrition.* 2019 Jul - Aug;63-64:148-154.
- M Al-Daghri N, Abd-Alrahman S, Wani K, Krishnaswamy S, **Alenad A**, Hassan MA, S Al-Attas O, **Alokail MS**. Strong Parent-Child Correlation in Circulating Vitamin B12 levels and Its Association with Inflammatory Markers in Saudi Families. *Int J Vitam Nutr Res.* 2019 Apr 1:1-9.

- Yakout SM, Alkahtani SA, Al-Disi D, Aljaloud KS, Khattak MNK, **Alokail MS**, Reginster JY, Sabico S, Al-Daghri NM. Coexistence of Pre-sarcopenia and Metabolic Syndrome in Arab Men. *Calcif Tissue Int.* 2019 Feb;104(2):130-136.
- Sabico S, Al-Mashharawi A, Al-Daghri NM, Wani K, Amer OE, Hussain DS, Ahmed Ansari MG, Masoud MS, **Alokail MS**, McTernan PG. Effects of a 6-month multi-strain probiotics supplementation in endotoxemic, inflammatory and cardiometabolic status of T2DM patients: A randomized, double-blind, placebo-controlled trial. *Clin Nutr.* 2019 Aug;38(4):1561-1569.
- Al-Daghri NM, Amer OE, Khattak MNK, Sabico S, Ansari MGA, Al-Saleh Y, Aljohani N, Alfawaz H, **Alokail MS**. Effects of Different Vitamin D Supplementation Strategies in Reversing Metabolic Syndrome and its Component Risk Factors in Adolescents. *J Steroid Biochem Mol Biol.* 2019 Jul;191:105378.
- Masoud MS, Yakout SM, Al-Attas OS, **Alokail MS**, Al-Daghri NM. The association between iron and vitamin D status in Arab adolescents. *Public Health Nutr.* 2019 May 17:1-6.
- Albassam RS, Sabico S, Alnaami AM, Khattak MNK, Lei KY, Al-Daghri NM, Reginster JY, **Alokail MS**. Bone metabolism markers are associated with neck circumference in adult Arab women. *Osteoporos Int.* 2019 Apr;30(4):845-852..
- Al-Daghri NM, Sabico S, Al-Hazmi H, Alenad AM, Al-Amro A, Al-Ghamdi A, Hussain SD, Chrousos G, **Alokail MS**. Circulating spexin levels are influenced by the presence or absence of gestational diabetes. *Cytokine.* 2019 Jan;113:291-295.
- AlJohri R, **Alokail M**, Haq SH. Neuroprotective role of vitamin D in primary neuronal cortical culture. *eNeurologicalSci.* 2018 Dec 17;14:43-48.
- Masoud MS, **Alokail MS**, Yakout SM, Khattak MNK, AlRehaili MM, Wani K, Al-Daghri NM. Vitamin D Supplementation Modestly Reduces Serum Iron Indices of Healthy Arab Adolescents. *Nutrients.* 2018 Dec 2;10(12).
- Al-Daghri NM, Manousopoulou A, **Alokail MS**, Yakout S, Alenad A, Garay-Baquero DJ, Fotopoulos M, Teng J, Al-Attas O, Al-Saleh Y, Sabico S, Chrousos GP, Garbis SD. Sex-specific correlation of IGFBP-2 and IGFBP-3 with vitamin D status in adults with obesity: a cross-sectional serum proteomics study. *Nutr Diabetes.* 2018 Oct 4;8(1):54.
- Al-Daghri NM, Alenad A, Al-Hazmi H, Amer OE, Hussain SD, **Alokail MS**. Spexin Levels Are Associated with Metabolic Syndrome Components. *Dis Markers.* 2018 Sep 4;2018:1679690.
- Yakout SM, Alkahtani SA, Al-Disi D, Aljaloud KS, Khattak MNK, **Alokail MS**, Reginster JY, Sabico S, Al-Daghri NM. Coexistence of Pre-sarcopenia and Metabolic Syndrome in Arab Men. *Calcif Tissue Int.* 2018 Sep 24.
- Krishnaswamy S, Bukhari I, Mohammed AK, Amer OE, Tripathi G, **Alokail MS**, Al-Daghri NM. Identification of the splice variants of Recepteur d'Origine nantais (RON) in lung cancer cell lines. *Gene.* 2018 Dec 30;679:335-340.
- Sabico S, Al-Mashharawi A, Al-Daghri NM, Yakout S, Alnaami AM, **Alokail MS**, McTernan PG. Effects of a multi-strain probiotic supplement for 12 weeks in circulating endotoxin levels and cardiometabolic profiles of medication naïve T2DM patients: a randomized clinical trial. *J Transl Med.* 2017 Dec 11;15(1):249.
- Krishnaswamy S, Mohammed AK, Tripathi G, **Alokail MS**, Al-Daghri NM. Splice variants of the extracellular region of RON receptor tyrosine kinase in lung cancer cell lines identified by PCR and sequencing. *BMC Cancer.* 2017 Nov 9;17(1):738.
- Al-Daghri NM, Al-Attas OS, Wani K, Sabico S, **Alokail MS**. Serum Uric Acid to Creatinine Ratio and Risk of Metabolic Syndrome in Saudi Type 2 Diabetic Patients. *Sci Rep.* 2017 Sep 21;7(1):12104.
- Al-Daghri NM, Yakout S, Bukhari I, Khattak MNK, Al-Saleh Y, Aljohani N, Al-Attas OS, **Alokail M**. Parathyroid hormone in relation to various vitamin D metabolites in adult females. *Medicine (Baltimore).* 2017 Sep;96(37):e8071.
- Al-Daghri NM, Mohammed AK, Al-Attas OS, Ansari MGA, Wani K, Hussain SD, Sabico S, Tripathi G, **Alokail MS**. Vitamin D Receptor Gene Polymorphisms Modify Cardiometabolic Response to Vitamin D Supplementation in T2DM Patients. *Sci Rep.* 2017 Aug 15;7(1):8280.
- Al-Daghri NM, Mohammed AK, Al-Attas OS, Draz HM, **Alokail MS**. Gender-Specific Association Between FGFR4 Gly388Arg Gene Variants and Hypertension. *Genet Test Mol Biomarkers.* 2017 Jul;21(7):422-427.
- Al-Daghri NM, Pontremoli C, Cagliani R, Forni D, **Alokail MS**, Al-Attas OS, Sabico S, Riva S, Clerici M, Sironi M. Susceptibility to type 2 diabetes may be modulated by haplotypes in G6PC2, a target of positive selection. *BMC Evol Biol.* 2017 Feb 7;17(1):43.
- Al-Daghri NM, **Alokail MS**, Manousopoulou A, Heinson A, Al-Attas O, Al-Saleh Y, Sabico S, Yakout S, Woelk CH, Chrousos GP, Garbis SD. Sex-specific vitamin D effects on blood coagulation among overweight adults. *Eur J Clin Invest.* 2016 Dec;46(12):1031-1040.
- Al-Daghri NM, Rahman S, Sabico S, Yakout S, Wani K, Al-Attas OS, Saravanan P, Tripathi G, McTernan PG, **Alokail MS**. Association of Vitamin B12 with Pro-Inflammatory Cytokines and Biochemical Markers Related to Cardiometabolic Risk in Saudi Subjects. *Nutrients.* 2016 Sep 6;8(9). pii: E460.
- Al-Daghri NM, Sabico S, Al-Saleh Y, Al-Attas OS, Alnaami AM, AlRehaili MM, Al-Harbi M, Alfawaz H, Chrousos G, **Alokail MS**. Calculated adiposity and lipid indices in healthy Arab children as influenced by vitamin D status. *J Clin Lipidol.* 2016 Jul-Aug;10(4):775-781.
- Al-Daghri NM, Aljohani N, Rahman S, Sabico S, Al-Attas OS, **Alokail MS**, Al-Ajlan A, Chrousos GP. Serum 25-hydroxyvitamin D status among Saudi children with and without a history of fracture. *J Endocrinol Invest.* 2016 Oct;39(10):1125-30.

- Al-Daghri NM, Rahman S, Sabico S, Amer OE, Wani K, Ansari MG, Al-Attas OS, Kumar S, **Alokail** MS. Circulating betatrophin in healthy control and type 2 diabetic subjects and its association with metabolic parameters. *J Diabetes Complications*. 2016 Sep-Oct;30(7):1321-5.
- Al-Daghri NM, Aljohani NJ, Al-Attas OS, Al-Saleh Y, Alnaami AM, Sabico S, Amer OE, Alharbi M, Kumar S, **Alokail** MS. Comparisons in childhood obesity and cardiometabolic risk factors among urban Saudi Arab adolescents in 2008 and 2013. *Child Care Health Dev*. 2016 Sep;42(5):652-7.
- Al-Daghri NM, Al-Saleh Y, Khan N, Sabico S, Aljohani N, Alfawaz H, Alsulaimani M, Al-Othman AM, **Alokail** MS. Sun exposure, skin color and vitamin D status in Arab children and adults. *J Steroid Biochem Mol Biol*. 2016 Nov;164:235-238.
- Al-Daghri NM, Mohammed AK, Al-Attas OS, Amer OE, Clerici M, Alenad A, **Alokail** MS. SNPs in FNDC5 (irisin) are associated with obesity and modulation of glucose and lipid metabolism in Saudi subjects. *Lipids Health Dis*. 2016 Mar 11;15:54.
- Al-Daghri NM, Khan N, Sabico S, Al-Attas OS, **Alokail** MS, Kumar S. Gender-specific associations of serum sex hormone-binding globulin with features of metabolic syndrome in children. *Diabetol Metab Syndr*. 2016 Mar 8;8:22.
- Krishnaswamy S, Mohammed AK, Amer OE, Tripathi G, **Alokail** MS, Al-Daghri NM. Recepteur d'Origine nantais (RON) tyrosine kinase splicing variants lacking exons 18 and 19 occur ubiquitously in lung cancer. *Int J Clin Exp Med*. 2015 Nov 15;8(11):20778-86.
- Al-Daghri NM, Costa AS, **Alokail** MS, Zanzottera M, Alenad AM, Mohammed AK, Clerici M, Guerini FR. Synaptosomal Protein of 25 kDa (Snap25) Polymorphisms Associated with Glycemic Parameters in Type 2 Diabetes Patients. *J Diabetes Res*. 2016;2016:8943092.
- Krishnaswamy S, Mohammed AK, Amer OE, Tripathi G, **Alokail** MS, Al-Daghri NM. Novel splicing variants of recepteur d'origine nantais (RON) tyrosine kinase involving exons 15-19 in lung cancer. *Lung Cancer*. 2016 Feb;92:41-6.
- Al-Daghri NM, Alharbi M, Wani K, Abd-Alrahman SH, Sheshah E, **Alokail** MS. Biochemical changes correlated with blood thiamine and its phosphate esters levels in patients with diabetes type 1 (DMT1). *Int J Clin Exp Pathol*. 2015 Oct 1;8(10):13483-8.
- Al-Daghri NM, Al-Ajlan AS, Alfawaz H, Yakout SM, Aljohani N, Kumar S, **Alokail** MS. Serum cytokine, chemokine and hormone levels in Saudi adults with pre-diabetes: a one-year prospective study. *Int J Clin Exp Pathol*. 2015 Sep 1;8(9):11587-93.
- Al-Ajlan A, Krishnaswamy S, **Alokail** MS, Aljohani NJ, Al-Serehi A, Sheshah E, Alshingetti NM, Fouda M, Turkistani IZ, Al-Daghri NM. Vitamin D deficiency and dyslipidemia in early pregnancy. *BMC Pregnancy Childbirth*. 2015 Nov 26;15:314.
- Al-Daghri NM, Rahman S, Amer OE, Al-Attas OS, McTernan PG, **Alokail** MS. Gender dependent association of 25-hydroxyvitamin D and circulating leptin in Saudi subjects: influence of dyslipidemia. *Int J Clin Exp Med*. 2015 Jul 15;8(7):11160-6.
- Al-Daghri NM, Aljohani N, Al-Attas OS, Krishnaswamy S, Alfawaz H, Al-Ajlan A, **Alokail** MS. Dairy products consumption and serum 25-hydroxyvitamin D level in Saudi children and adults. *Int J Clin Exp Pathol*. 2015 Jul 1;8(7):8480-6.
- Al-Daghri NM, Al-Attas OS, Krishnaswamy S, Yakout SM, Mohammed AK, Alenad AM, Chrousos GP, **Alokail** MS. Association between promoter region genetic variants of PTH SNPs and serum 25(OH)-vitamin D level. *Int J Clin Exp Pathol*. 2015 Jul 1;8(7):8463-71.
- Al-Daghri NM, Al-Attas OS, Wani K, Alnaami AM, Sabico S, Al-Ajlan A, Chrousos GP, **Alokail** MS. Sensitivity of various adiposity indices in identifying cardiometabolic diseases in Arab adults. *Cardiovasc Diabetol*. 2015 Aug 7;14:101.
- Al-Daghri NM, Al-Saleh Y, Aljohani N, **Alokail** M, Al-Attas O, Alnaami AM, Sabico S, Alsulaimani M, Al-Harbi M, Alfawaz H, Chrousos GP. Vitamin D Deficiency and Cardiometabolic Risks: A Juxtaposition of Arab Adolescents and Adults. *PLoS One*. 2015 Jul 17;10(7):e0131315.
- Al-Daghri NM, Al-Attas OS, Krishnaswamy S, Mohammed AK, Alenad AM, Chrousos GP, **Alokail** MS. Association of Type 2 Diabetes Mellitus related SNP genotypes with altered serum adipokine levels and metabolic syndrome phenotypes. *Int J Clin Exp Med*. 2015 Mar 15;8(3):4464-71.
- Al-Daghri NM, **Alokail** MS, Rahman S, Amer OE, Al-Attas OS, Alfawaz H, Tripathi G, Sabico S, Chrousos GP, McTernan PG, Piya MK. Habitual physical activity is associated with circulating irisin in healthy controls but not in subjects with diabetes mellitus type 2. *Eur J Clin Invest*. 2015 Aug;45(8):775-81.
- Al-Saleh Y, Al-Daghri NM, Khan N, Alfawaz H, Al-Othman AM, **Alokail** MS, Chrousos GP. Vitamin D status in Saudi school children based on knowledge. *BMC Pediatr*. 2015 May 6;15:53.
- Al-Daghri NM, Al-Attas O, Yakout S, Aljohani N, Al-Fawaz H, **Alokail** MS. Dietary products consumption in relation to serum 25-hydroxyvitamin D and selenium level in Saudi children and adults. *Int J Clin Exp Med*. 2015 Jan 15;8(1):1305-14.
- Al-Daghri NM, Aljohani NJ, Al-Attas OS, Al-Saleh Y, Wani K, Alnaami AM, Alfawaz H, Al-Ajlan AS, Kumar S, Chrousos GP, **Alokail** MS. Non-high-density lipoprotein cholesterol and other lipid indices vs elevated glucose risk in Arab adolescents. *J Clin Lipidol*. 2015 Jan-Feb;9(1):35-41.

- Al-Daghri NM, Alkharfy KM, Rahman S, Amer OE, Vinodson B, Sabico S, Milan P, Harte AL, McTernan PG, **Alokail** MS, Chrousos GP. Irisin as a Predictor of Glucose Metabolism in Children: Sexually Dimorphic Effects. *Eur J Clin Invest*. 2013 Nov 5.
- Al-Daghri NM, Al-Attas OS, Alkharfy KM, **Alokail** MS, Abd-Alrahman SH, Sabico S. Thiamine and its phosphate esters in relation to cardiometabolic risk factors in Saudi Arabs. *Eur J Med Res*. 2013 Sep 23;18(1):32.
- Ahmed M, Al-Daghri N, Harrath AH, **Alokail** MS, Aladakatti RH, Ghodesawar MA, Alwasel S. Potential ultrastructural changes in rat epididymal cell types induced by *Boswellia papyrifera* and *Boswellia carterii* incense. *C R Biol*. 2013 Aug;336(8):392-9.
- Aljohani NJ, Al-Daghri NM, Al-Attas OS, **Alokail** MS, Alkhrafy KM, Al-Othman A, Yakout S, Alkabba AF, Al-Ghamdi AS, Almalki M, Buhary BM, Sabico S. Differences and associations of metabolic and vitamin D status among patients with and without sub-clinical hypothyroid dysfunction. *BMC Endocr Disord*. 2013 Aug 20;13(1):31.
- Alkharfy KM, Al-Daghri NM, Sabico SB, Al-Othman A, Moharram O, **Alokail** MS, Al-Saleh Y, Kumar S, Chrousos GP. Vitamin D supplementation in patients with diabetes mellitus type 2 on different therapeutic regimens: a one-year prospective study. *Cardiovasc Diabetol*. 2013 Aug 7;12(1):113.
- **Alokail** MS, Sabico S, Al-Saleh Y, Al-Daghri NM, Alkharfy KM, Vanhoutte PM, McTernan PG. Effects of probiotics in patients with diabetes mellitus type 2: study protocol for a randomized, double-blind, placebo-controlled trial. *Trials*. 2013 Jul 4;14:195.
- Asma M. Alenad, Nabila A. Al-Jaber, Soundararajan Krishnaswamy, Sobhy M. Yakout, Nasser M. Al-Daghri and **Majed S. Alokail**. Achillea fragrantissima extract exerts its anticancer effect via induction of differentiation, cell cycle arrest and apoptosis in chronic myeloid leukemia (CML) cell line K562. *Journal of Medicinal Plants Research* Vol.7(21) , pp. 1561-1567 , June 2013
- Hassan MA, Al-Attas OS, Hussain T, Al-Daghri NM, **Alokail** MS, Mohammed AK, Vinodson B. The Q192R polymorphism of the paraoxonase 1 gene is a risk factor for coronary artery disease in Saudi subjects. *Mol Cell Biochem*. 2013 Aug;380(1-2):121-8.
- Al-Daghri NM, Clerici M, Al-Attas O, Forni D, **Alokail** MS, Alkharfy KM, Sabico S, Mohammed AK, Cagliani R, Sironi M. A nonsense polymorphism (R392X) in TLR5 protects from obesity but predisposes to diabetes. *J Immunol*. 2013 Apr
- Ahmed M, Al-Daghri N, **Alokail** MS, Hussain T. Potential changes in rat spermatogenesis and sperm parameters after inhalation of *Boswellia papyrifera* and *Boswellia carterii* incense. *Int J Environ Res Public Health*. 2013 Feb 28;10(3):830-44.
- Al-Daghri NM, Alkharfy KM, **Alokail** MS, Alenad AM, Al-Attas OS, Mohammed AK, Sabico S, Albagha OM. Assessing the contribution of 38 genetic loci to the risk of type 2 diabetes in the Saudi Arabian Population. *Clin Endocrinol (Oxf)*. 2013 Mar 1.
- Slater AA, **Alokail** M, Gentle D, Yao M, Kovacs G, Maher ER, Latif F. DNA methylation profiling distinguishes histological subtypes of renal cell carcinoma. *Epigenetics*. 2013 Mar;8(3):252-67.
- **Alokail** MS, Al-Daghri N, Abdulkareem A, Draz HM, Yakout SM, Alnaami AM, Sabico S, Alenad AM, Chrousos GP. Metabolic syndrome biomarkers and early breast cancer in Saudi women: evidence for the presence of a systemic stress response and/or a pre-existing metabolic syndrome-related neoplasia risk? *BMC Cancer*. 2013 Feb 4;13:54.
- Al-Daghri NM, **Alokail** MS, Abd-Alrahman SH, Draz HM, Yakout SM, Clerici M. Polycyclic aromatic hydrocarbon exposure and pediatric asthma in children: a case-control study. *Environ Health*. 2013 Jan 3;12:1.
- Al-Daghri NM, Al-Attas OS, **Alokail** MS, Alkharfy KM, Charalampidis P, Livadas S, Kollias A, Sabico SL, Chrousos GP. Visceral adiposity index is highly associated with adiponectin values and glycaemic disturbances. *Eur J Clin Invest*. 2013 Feb;43(2):183-9.
- Al-Saleh Y, Al-Daghri NM, Alkharfy KM, Al-Attas OS, **Alokail** MS, Al-Othman A, Sabico S, Chrousos GP. Normal circulating PTH in Saudi healthy individuals with hypovitaminosis D. *Horm Metab Res*. 2013 Jan;45(1):43-6.
- Al-Daghri NM, Al-Attas OS, **Alokail** MS, Alkharfy KM, Al-Othman A, Draz HM, Yakout SM, Al-Saleh Y, Al-Yousef M, Sabico S, Clerici M, Chrousos GP. vitaminosis D associations with adverse metabolic parameters are accentuated in patients with Type 2 diabetes mellitus: a body mass index-independent role of adiponectin? *Endocrinol Invest*. 2013 Jan;36(1):1-6.
- Al-Daghri NM, Al-Attas OS, **Alokail** MS, Alkharfy KM, Charalampidis P, Livadas S, Kollias A, Sabico SL, Chrousos GP. Visceral adiposity index is highly associated with adiponectin values and glycaemic disturbances. *Eur J Clin Invest*. 2012 Dec 3.
- Al-Daghri NM, Bindahman LS, Al-Attas OS, Saleem TH, **Alokail** MS, Alkharfy KM, Draz HM, Yakout S, Mohamed AO, Harte AL, McTernan PG. Increased Circulating ANG II and TNF- $\alpha$  Represents Important Risk Factors in Obese Saudi Adults with Hypertension Irrespective of Diabetic Status and BMI. *PLoS One*. 2012;7(12):e51255.
- Al-Daghri NM, Cagliani R, Forni D, **Alokail** MS, Pozzoli U, Alkharfy KM, Sabico S, Clerici M, Sironi M. Mammalian NPC1 genes may undergo positive selection and human polymorphisms associate with type 2 diabetes. *BMC Med*. 2012 Nov 15;10(1):140.
- Al-Attas OS, Al-Daghri NM, Alkharfy KM, **Alokail** MS, Al-Johani NJ, Abd-Alrahman SH, Yakout SM, Draz HM, Sabico S. Urinary Iodine is Associated with Insulin Resistance in Subjects with Diabetes Mellitus Type 2. *Exp Clin Endocrinol Diabetes*. 2012 Nov;120(10):618-22.

- Al-Daghri NM, **Alokail MS**, Alkharfy KM, Mohammed AK, Abd-Alrahman SH, Yakout SM, Amer OE, Krishnaswamy S. Fenugreek extract as an inducer of cellular death via autophagy in human T lymphoma Jurkat cells. *BMC Complement Altern Med*. 2012 Oct 30;12(1):202.
- Al-Saleh Y, Al-Daghri NM, Alkharfy KM, Al-Attas OS, **Alokail MS**, Al-Othman A, Sabico S, Chrousos GP. Normal Circulating PTH in Saudi Healthy Individuals with Hypovitaminosis D. *Horm Metab Res*. 2012 Sep 12.
- Al-Daghri NM, Al-Attas OS, Bindahman LS, **Alokail MS**, Alkharfy KM, Draz HM, Yakout S, McTernan PG, Sabico S, Chrousos GP. Soluble CD163 is associated with body mass index and blood pressure in hypertensive obese Saudi patients. *Eur J Clin Invest*. 2012 Jul 27.
- Al-Othman A, Al-Musharaf S, Al-Daghri NM, Yakout S, Alkharfy KM, Al-Saleh Y, Al-Attas OS, **Alokail MS**, Moharram O, Sabico S, Kumar S, Chrousos GP. Tea and coffee consumption in relation to vitamin D and calcium levels in Saudi adolescents. *Nutr J*. 2012 Aug 20;11(1):56.
- Al-Attas OS, Al-Daghri NM, **Alokail MS**, Alkharfy KM, Yakout S, Draz H, Sabico S, Chrousos G. Association of body mass index, sagittal abdominal diameter and waist-hip ratio with cardiometabolic risk factors and adipocytokines in arab children and adolescents. *BMC Pediatr*. 2012 Aug 7;12(1):119.
- Al-Daghri NM, Al-Othman A, Alkharfy KM, **Alokail MS**, Khan N, Alfawaz HA, Aiswaidan IA, Chrousos GP. Assessment of selected nutrients intake and adipocytokines profile among Saudi children and adults. *Endocr J*. 2012 Jul 13.
- Al-Daghri NM, Alkharfy KM, Al-Othman A, El-Kholie E, Moharram O, **Alokail MS**, Al-Saleh Y, Sabico S, Kumar S, Chrousos GP. Vitamin D supplementation as an adjuvant therapy for patients with T2DM: an 18-month prospective interventional study. *Cardiovasc Diabetol*. 2012 Jul 18;11(1):85.
- Al-Othman A, Al-Musharaf S, Al-Daghri NM, Krishnaswamy S, Yusuf DS, Alkharfy KM, Al-Saleh Y, Al-Attas OS, **Alokail MS**, Moharram O, Sabico S, Chrousos GP. Effect of physical activity and sun exposure on vitamin D status of Saudi children and adolescents. *BMC Pediatr*. 2012 Jul 3;12:92.
- Al-Qahtani A, Alarifi S, **Al-Okail M**, Hussain Z, Abdo A, Sanai F, Al-Anazi M, Khalaf N, Al-Humaidan H, Al-Ahdal M, Almajhdi FN. RANTES gene polymorphisms (-403G>A and -28C>G) associated with hepatitis B virus infection in a Saudi population. *Genet Mol Res*. 2012 Apr 10;11(2):855-62.
- Al-Qahtani A, Al-Ahdal M, Abdo A, Sanai F, Al-Anazi M, Khalaf N, Viswan NA, Al-Ashgar H, Al-Humaidan H, Al-Suwayeh R, Hussain Z, Alarifi S, **Al-Okail M**, Almajhdi FN. Toll-like receptor 3 polymorphism and its association with hepatitis B virus infection in Saudi Arabian patients. *J Med Virol*. 2012 Sep;84(9):1353-9.
- Al-Attas O, Al-Daghri N, **Alokail M**, Alkharfy K, Alfadda A, McTernan P, Gibson G, Sabico S, Chrousos G. Circulating leukocyte telomere length is highly heritable among families of Arab descent. *BMC Med Genet*. 2012 May 18;13(1):38.
- Harte AL, da Silva NF, Miller MA, Cappuccio FP, Kelly A, O'Hare JP, Barnett AH, Al-Daghri NM, Al-Attas O, **Alokail M**, Sabico S, Tripathi G, Bellary S, Kumar S, McTernan PG. Telomere length attrition, a marker of biological senescence, is inversely correlated with triglycerides and cholesterol in South Asian males with type 2 diabetes mellitus. *Exp Diabetes Res*. 2012;2012:895185.
- Modest reversal of metabolic syndrome manifestations with vitamin D status correction: a 12-month prospective study. Al-Daghri NM, Alkharfy KM, Al-Saleh Y, Al-Attas OS, **Alokail MS**, Al-Othman A, Moharram O, El-Kholie E, Sabico S, Kumar S, Chrousos GP. *Metabolism*. 2012 May;61(5):661-6.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, El-Kholie E, Yousef M, Al-Othman A, Al-Saleh Y, Sabico S, Kumar S, Chrousos GP. Increased vitamin D supplementation recommended during summer season in the gulf region: a counterintuitive seasonal effect in vitamin D levels in adult, overweight and obese Middle Eastern residents. *Clin Endocrinol (Oxf)*. 2012 Mar;76(3):346-350.
- Al-Musharaf S, Al-Othman A, Al-Daghri NM, Krishnaswamy S, Yusuf DS, Alkharfy KM, Al-Saleh Y, Al-Attas OS, **Alokail MS**, Moharram O, Yakout S, Sabico S, Chrousos GP. Vitamin D deficiency and calcium intake in reference to increased body mass index in children and adolescents. *Eur J Pediatr*. 2012 Feb 7.
- Alkharfy KM, Al-Daghri NM, Al-Attas OS, **Alokail MS**, Mohammed AK, Vinodson B, Clerici M, Kazmi U, Hussain T, Draz HM. Variants of endothelial nitric oxide synthase gene are associated with components of metabolic syndrome in an Arab population. *Endocr J*. 2012;59(3):253-63.
- Al-Daghri NM, Al-Attas O, **Alokail MS**, Alkharfy KM, Draz HM, Agliardi C, Mohammed AK, Guerini FR, Clerici M. Vitamin D Receptor Gene Polymorphisms and HLA DRB1\*04 Cosegregation in Saudi Type 2 Diabetes Patients. *J Immunol*. 2012 Feb 1;188(3):1325-32.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Hussain T, Yakout S, Vinodson B, Sabico S. Adiponectin gene polymorphisms (T45G and G276T), adiponectin levels and risk for metabolic diseases in an Arab population. *Gene*. 2012 Feb 1;493(1):142-7.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Al-Othman A, Draz HM, Yakout SM, Al-Saleh Y, Al-Yousef M, Sabico S, Clerici M, Chrousos GP. Hypovitaminosis D Associations with Adverse Metabolic Parameters Are Accentuated in Patients with Diabetes Mellitus Type 2: A BMI-Independent Role of Adiponectin? *J Endocrinol Invest*. 2011 Dec 15.
- Al-Daghri NM, Alkharfy KM, Al-Saleh Y, Al-Attas OS, **Alokail MS**, Al-Othman A, Moharram O, El-Kholie E, Sabico S, Kumar S, Chrousos GP. Modest reversal of metabolic syndrome manifestations with vitamin D status correction: a 12-month prospective study. *Metabolism*. 2011 Nov 8.

- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Hussain T, Sabico S. Gender differences exist in the association of leptin and adiponectin levels with insulin resistance parameters in prepubertal Arab children. *J Pediatr Endocrinol Metab.* 2011;24(7-8):427-32.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Yousef M, Sabico SL, Chrousos GP. Diabetes mellitus type 2 and other chronic non-communicable diseases in the central region, Saudi Arabia (riyadh cohort 2): a decade of an epidemic. *BMC Med.* 2011 Jun 20;9:76.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Yakout SM, Sabico SB, Gibson GC, Chrousos GP, Kumar S. Parent-offspring transmission of adipocytokine levels and their associations with metabolic traits. *PLoS One.* 2011 Apr 4;6(4):e18182.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Hussain T. Adiponectin gene variants and the risk of coronary artery disease in patients with type 2 diabetes. *Mol Biol Rep.* 2011 Aug;38(6):3703-8.
- **Alokail MS**, Al-Daghri NM, Al-Attas OS, Alkharfy KM, Sabico SB, Ullrich A. Visceral obesity and inflammation markers in relation to serum prostate volume biomarkers among apparently healthy men. *Eur J Clin Invest.* 2011 Sep;41(9):987-94.
- **Alokail MS**, Al-Daghri NM, Alarifi SA, Draz HM, Hussain T, Yakout SM. Long-term exposure to incense smoke alters metabolism in Wistar albino rats. *Cell Biochem Funct.* 2011 Mar;29(2):96-101.
- Alkharfy KM, Al-Daghri NM, Al-Attas OS, **Alokail MS**. The protective effect of thymoquinone against sepsis syndrome morbidity and mortality in mice. *Int Immunopharmacol.* 2011 Feb;11(2):250-254.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Shaik NA, Draz HM, Bamakhramah A, Sabico SL. Gender-specific associations between insulin resistance, hypertension, and markers of inflammation among adult Saudis with and without diabetes mellitus type 2. *Adv Med Sci.* 2010;55(2):179-85.
- **Alokail MS**. Vitamin D and EB1089 suppress parathyroid hormone- related peptide expression in prostate and breast cancer cells. *Cur. Top. Biochem. Res.* 12 (2): 51-57.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Sabico SL, Chrousos GP. Decreasing prevalence of the full metabolic syndrome but a persistently high prevalence of dyslipidemia among adult Arabs. *PLoS One.* 2010 Aug 13;5(8):e12159.
- Al-Daghri NM, Al-Attas OS, **Al-Okail MS**, Alkharfy KM, Al-Yousef MA, Nadhrah HM, Sabico SB, Chrousos GP. Severe hypovitaminosis D is widespread and more common in non-diabetics than diabetics in Saudi adults. *Saudi Med J.* 2010 Jul;31(7):775-80.
- Al-Attas OS, Al-Daghri NM, **Alokail MS**, Alfadda A, Bamakhramah A, Sabico S, Pritlove D, Harte A, Tripathi G, McTernan PG, Kumar S, Chrousos G. Adiposity and insulin resistance correlate with telomere length in middle-aged Arabs: the influence of circulating adiponectin. *Eur J Endocrinol.* 2010 Oct;163(4):601-7.
- Alkharfy KM, Al-Daghri NM, Al-Attas OS, **Alokail MS**, Draz HM, Hussain T. Endothelial nitric oxide synthase gene polymorphisms (894G > T and -786T > C) and risk of coronary artery disease in a Saudi population. *Arch Med Res.* 2010 Feb;41(2):134-41.
- Al-Daghri N, **Alokail M**, Al-Attas O, Sabico S, Kumar S. Establishing abdominal height cut-offs and their association with conventional indices of obesity among Arab children and adolescents. *Ann Saudi Med.* 2010 May-Jun;30(3):209-14.
- Alfares N., Alsawady A., **Alokail MS**. Effect of samh seeds (Mesembryanthemum forsskalei Hochst) in Liver Enzymes and Lipids in STZ-induced Diabetic Wistar Albino Rats. *Saudi Journal of Biological Sciences*, 2010, 17(1) 23-28.
- Al-Daghri NM, Al-Attas OS, **Alokail MS**, Alkharfy KM, Draz HM. Relationship between resistin and aPAI-1 levels with insulin resistance in Saudi children. *Pediatr Int.* 2010 Aug;52(4):551-6.
- **Alokail MS**. Cobalt chloride, a chemical inducer of hypoxia inducible factor-1 $\alpha$ . In human glioblastoma cells. *Saudi Chemical Society Journal.* 2010, 14(2)197-201
- 
- **Alokail MS**, Al-Daghri NM, Al-Attas OS, Hussain T. Combined effects of obesity and type 2 diabetes contribute to increased breast cancer risk in premenopausal women. *CardiovascDiabetol.* 2009 Jun 23;8:33.
- **Alokail MS**. Mitogenic influence of HRG  $\beta$ 1 and PTHrP in EGFR Signaling in Breast Cancer Transfected Cells. *Molecular and Cellular Pharmacology.* 2009;1(5):278-289.
- Al-Daghri NM, Al-Attas OS, **Alokail M**, Draz HM, Bamakhramah A, Sabico S. Retinol binding protein-4 is associated with TNF-alpha and not insulin resistance in subjects with type 2 diabetes mellitus and coronary heart disease. *Dis Markers.* 2009;26(3):135-40.
- **Alokail MS**, Peddie MJ. Quantitative comparison of PTH1R in breast cancer MCF7 and osteosarcoma SaOS-2 cell lines. *Cell Biochem Funct.* 2008 Jun;26(4):522-33.
- Alenad AM and **Alokail MS**. Nanoparticles: Promising Tools for Genomic Application. *Arabian Journal of Chemistry.* 2008; 1(1): 83-91.
- Alokail MS, Peddie MJ. Characterisation of ligand binding to the parathyroid hormone/parathyroid hormone-related peptide receptor in MCF7 breast cancer cells and SaOS-2 osteosarcoma cells. *Cell Biochem Funct.* 2007 Mar-Apr;25(2):139-47.
- Ahmed MH, Osman MM, **Alokail MS**. Statins and breast cancer: a smoking gun or guilt by association? *Expert Opin Drug Saf.* 2006 Sep;5(5):599-601.

- Al-Mansouri LJ, **Alokail MS**. Molecular basis of breast cancer. *Saudi Med J*. 2006 Jan;27(1):9-16.
- **Alokail MS**. Influence of parathyroid hormone-related peptide gene in colon cancer cell line growth. *Saudi Med J*. 2005 May;26(5):714-7.
- **Alokail MS**. Transient transfection of epidermal growth factor receptor gene into MCF7 breast ductal carcinoma cell line. *Cell Biochem Funct*. 2005 May-Jun;23(3):157-61.
- Barnes JD, Arhel NJ, Lee SS, Sharp A, **Al-Okail M**, Packham G, Hague A, Paraskeva C, Williams AC. Nuclear BAG-1 expression inhibits apoptosis in colorectal adenoma-derived epithelial cells. *Apoptosis*. 2005 Mar;10(2):301-11.
- Alarifi SA, Mubarak MM, **Alokail MS**. Ultrastructural changes of pneumocytes of rat exposed to Arabian incense (Bakhour). *Saudi Med J*. 2004 Nov;25(11):1689-93.
- **Alokail MS**, Alarifi SA. Histological changes in the lung of Wistar albino rats (*Rattus norvegicus*) after exposure to Arabian incense (genus *Boswellia*). *Ann Saudi Med*. 2004 Jul-Aug;24(4):293-5.
- **Alokail MS**. Potential regulation of PTH/PTHrP receptor expression in choriocarcinoma cells. *Saudi Med J*. 2004 May;25(5):615-20.
- **M.S. Alokail**. Modified Iodo-Gen method for peptide hormones iodination. *Journal of Saudi Chemical Society*, 2002, 6:15-20.
- O.S. Al-Attas and **M.S. Alokail**. Features of insulin receptor interaction in placenta from normal, overt and poorly controlled gestational diabetic patients. *Molecular & Cellular Biochemistry*. (Netherlands) 1991, 126: 135-142.
- **M.S. Alokail** and O.S. Al-Attas. Histological changes in Placental Syncytiotrophoblast of poorly controlled gestational diabetic patients. *Endocrine Journal*. (Japan) 1994, 41(4), 355-360.

#### المشاركة بالقاء الأبحاث أو ملصقات في مؤتمرات محلية وإقليمية وعالمية:

- **M.S. Alokail** and O.S. Al-Attas (1990) Characterization of insulin-receptor interaction in Saudi diabetic pregnancy. On Fourth Kuwait International Medical Science Conference: Diabetes Mellitus. March 4-8, University of Kuwait Faculty of Medicine, Kuwait. M.S.
- **Alokail** and O.S. Al-Attas. (1992) Biochemical, Histological and Histochemical changes in diabetic placenta. On first international union of biochemistry and molecular biology (IUBMB): Biochemistry and diseases. June 1-6, Nagoya Congress Center, Japan.
- **M.S. Alokail** and M.J. Peddie (1997) Parathyroid hormone-related peptide (PTHrP) as an autocrine growth factor in breast cancer MCF7 cells. in Growth Factor Group symposium, November 26TH, St. Thomas's Hospital in London.
- **MS. Alokail** and M.J. Peddie. (1998) The role of Epidermal Growth Factor. Estradiol and 1,25 Dihydroxycholecalciferol in Production of PTHrP from breast cancer MCF7 Cells. *Journal of Endocrinology*. 156: P113.
- **M.S. Alokail** and M.J. Peddie (1998). Characterisation of parathyroid hormone / parathyroid hormone-related peptide receptors in the breast cancer MCF7 cells. In 80TH annual meeting of American Endocrine Society meeting. P3-143, June 24-27, 1998 in New Orleans, USA
- **M.S. Alokail** and M.J. Peddie (1998). Effect of parathyroid hormone (1-34) and parathyroid hormone-related peptide (1-34) on epidermal growth factor receptor expression in breast cancer MCF7 cells. In 80TH annual meeting of American Endocrine Society meeting. P3-323, June 24-27, 1998 in New Orleans, USA
- **M.S. Alokail** and M.J. Peddie (1998). Characterization of the PTHrP specific receptor in MCF-7 breast cancer cells. *Journal of Endocrinology*. 159: P42
- **M.S. Alokail** and M.J. Peddie (1999). Regulation of PTH/PTHrP receptor expression in MCF-7 breast cancer and SaOS-2 osteosarcoma cells by dexamethasone, 1,25 DHCC, EGF, E2, and PTHrP-1-34. *Journal of Endocrinology*. 160: P183
- **M.S. Alokail** and M.J. Peddie (1999). Effect of EGF, estradiol, 1,25 dihydroxycholecalciferol, and dexamethasone on PTH/PTHrP receptor affinity in MCF-7 breast cancer and SaOS-2 osteosarcoma cells. *Journal of Endocrinology*. 160: P184
- **M.S. Alokail** and M.J. Peddie (1999). Effect of Trp23-PTHrP-1-36 and Ile5-Trp23-PTHrP-1-36 on displacement of <sup>125</sup>I-PTHrP-1-34 on breast cancer MCF7 cells and osteosarcoma SaOS-2 cells. In 81st annual meeting of American Endocrine Society, P-118, June 12-15, 1999, San Diego, CA, USA.
- **M.S. Alokail** and M.J. Peddie (2001). Investigation of PTH and PTHrP interactions to the PTH/PTHrP receptor in the choriocarcinoma JAR cell line. In 83rd annual meeting of American Endocrine Society, P2-635, June 20-23, Denver, Co, USA



- **M.S. Alokail** (2002). Regulation of choriocarcinoma JAR cell line proliferation and PTH/PTHrP receptor expression with EGF, E2, DEX or 1,25 DHCC. In 84th annual meeting of American Endocrine Society (Genome on Endocrinology), P2-230, June 19-22, San Francisco, CA, USA.
- **M.S. Alokail** (2003) Influence of parathyroid hormone-related peptide gene on proliferation of human colonic cancer cells. The 94th Annual Meeting of American Cancer Research in Toronto, Ontario, Canada
- **MS. Alokail**. Application of insulin gene therapy in non-endocrine cell line, COS-7. In 6th Saudi Pharmaceutical international conference. 6-9, October, 2003, Riyadh, Saudi Arabia.
- **M.S. Alokail**. Resistin hormone and type II diabetes mellitus. In 6<sup>th</sup> Saudi Pharmaceutical international conference. 6-9, October, 2003, Riyadh, Saudi Arabia
- **M.S. Alokail**. New application for iodo-gen iodination with single or multi tyrosine residues in peptide hormones. In the 2nd International conference on chemistry and its applications. 6-9 of December, 2003, Doha, Qatar.
- **MS. Alokail**. Parathyroid hormone-related peptide gene transfer and colon cancer cell proliferation. In the 23rd Joint Meeting of the British Endocrine Societies. 22nd-24th March 2004 in Brighton, UK
- **M.S. Alokail**. Parathyroid hormone-related peptide stimulates signal transduction pathway of ErbB1 and ErbB2 receptors in breast cancer cells. The 86th Annual Meeting of The American Endocrine Society, P3-34, 16-19, June, 2004, New Orleans, USA.
- **M.S. Alokail** (2005) Induction of erbB1 and erbB2 Receptors by PTHrP in Breast Cancer Cells. The 96th Annual Meeting of American Cancer Research (AACR) in Los Angeles, CA, USA, P5780, page 383.
- **M.S. Alokail**. PTHrP Induced the Signalling of Breast Cancer MCF7 Cells Transfected with EGFR and erbB2 Receptor Genes. Meeting of The American Endocrine Society, June, 2006: P1-376.
- O.M. Aboulwafa, KM. Youssef, A.M. Al-Okbeid and M.S. Alokail. Modified Estrogens: Synthesis of alkylamino- and alkylthioacetyl amino estrone derivatives as anticancer agents. The 7<sup>th</sup> International Saudi Pharmaceutical Conference. March, 2007, Riyadh. KSA
- O.M. Aboulwafa, m.s. Al-mutairi, KM. Youssef, H.I. Al-Subbagh, O.A. Al-Deeb, A.J. Fatani and **M.S. Alokail**. Synthesis of some 2- and 4-peptidylestrone derivatives of potential therapeutic activity. The 7<sup>th</sup> International Saudi Pharmaceutical Conference. March, 2007, Riyadh. KSA
- **Alokail MS**. Comparative effects of vitamin D and EB1089 analoge in mRNA expression of parathyroid hormone-related peptide in prostate and breast cancer cells. *British endocrine society meeting (BES07). March 5<sup>th</sup> to March 8<sup>th</sup>, 2007. Birmingham, UK*
- **Alokail MS**, Al-Mansouri LJ, Bin Amer SS. Gene array analysis of breast cancer cell lines Treated with Taxotere and Ukrain. *Advances in Cancer Research: From the Laboratory to the Clinic, March 16 - 19, 2008, King Hussein Bin Talal Convention Center, Dead Sea, Jordan.*
- **Alokail MS**. Vitamin D3 and EB1089 analoge modulate mRNA expression of parathyroid hormone related peptide in prostate and breast cancer cell lines. In 13<sup>th</sup> International Congress of Endocrinology, Nov. 8<sup>th</sup>-Nov. 12<sup>th</sup>, 2008, in Rio de Janeiro, Brazil.
- **Alokail MS**. PTHrP and HRG Outcomes in MCF7 Breast Cancer Cells Transfected with HER Receptors Gene. 6th Regional Postgraduate Course in Clinical Endocrinology. 03 May 2008 - 07 May 2008, 10th European Congress of Endocrinology. Messe Berlin GmbH Internationales Congress Centrum ICC Berlin Berlin, Germany.
- Al-Daghri NM, **Alokail MS**. A comparative study between sagittal abdominal diameter and conventional indices of obesity in Saudi children and adolescents. *Advanced Diabetes Technologies and Treatments Conference (ATTD 2008); Feb 27-March 1, 2008; Prague, Czech Republic.*
- **Alokail MS** Al-Mansouri LJ, Bin Amer SS. Molecular mechanism effect of taxotere and ukrain in cell cycle regulating genes in positive and negative breast cancer cell lines. Annual Meeting of American Society of Biochemistry and Molecular Biology. 18-22, April, 2009. New Orleans, USA.
- M.A. ismael, **MS. Alokail**, S. Al. Alarifi. Antioxidant enzyme activity and lipid peroxidation in liver of rats exposed to Plant Incense. Third SMBBM International Congress of Biochemistry, IUBMB Special Meeting on Plant Stresses & 6<sup>th</sup> Congress of FASBMB. Marrakech -Morocco, APRIL 20-25, 2009. PP198
- Nasser Al-Daghri, Omar Al-Attas, **Majed Alokail**, Hossam Draz, Ahmed Bamakhrmah & Shaun Sabico. Retinol binding protein-4 is associated with TNF- $\alpha$  and not insulin resistance in subjects with type 2 diabetes mellitus and coronary heart disease. In European Congress of Endocrinology. Istanbul, Turkey 25- 29 April 2009. *Endocrine Abstracts* (2009) 20 P384.

- **Majed Alokail.** Synthestic estrone derivatives as anticancer agents and as suppressors of hypoxia-inducible factor-1 $\alpha$  in breast, prostate and glioma cancer cell lines. Presented in the Annual Meeting of Experimental Biology, April 24-28, 2010, Anaheim, California, USA.
- Majed Alokail. The association of biomarkers of insulin resistance and obesity to prostate tumour markers" European Association of Cancer Research meeting (EACR-21) in Oslo, Norway, 26-29<sup>th</sup> June, 2010.
- **Majed Alokail.** The link between insulin resistance and obesity and prostate tumor markers development in adult men. Accepted in National Cancer Research Institute (NCRI) cancer conference 2010, 07 - 09 November 2010, Liverpool, England, UK.
- Nasser Al-Daghri, Omar Al-Attas, **Majed Alokail**, Khalid Alkharfy, HossamDraz, MarioClerici Serum 25-Hydroxy-Vitamin D Is Associated with Adiponectin and Insulin Resistance in Diabetic Saudi Adults. the Society for Endocrinology BES 2011 meeting, taking place in Birmingham on 11-14 April 2011, P124
- **M.S. Alokail**, N.M. Al-Daghri, K.M. Alkharfy, O.S. Alatas, S. Sabico and H.M. Draz. Adipocytokines as potential biomarkers forbreast and prostate cancers. *Experimental Biology 2012*; San Diego Convention Center, San Diego, CA, USA, April 21-25, P569.1
- Slater A, **Alokail M**, Gentle D, Yao M, Kovacs G, Maher ER, Latif F. Infinium HumanMethylation 450K BeadChip analysis of Kidney Cancer. September 4 - 5, 2012 Genomics Research Europe, Frankfurt, Germany. 4-5/September/2012.
- **Alokail MS** and Alenad AM. Epigenetic Investigation of Hippo Pathway in Bone, Breast and Prostate cancer cell lines. Annual Symposium: Epigenetic mechanisms in development and disease. Leeds, UK, 11—13 December/ 2012.
- Nasser M. Al-Daghri, **Majed S. Alokail**, et al., The effect of vitamin D status correction on the human milieu interieur proteome. A yearlong prospective interventional study. International Congress of Endocrinology/American Endocrine Society meeting. Chicago, USA, June 21-24, 2014, SAT-0243.
- Nasser M. Al-Daghri, **Majed S. Alokail**, et al., Sexual dimorphism of the human milieu interieur proteome in overweight and obese men and women. International Congress of Endocrinology/American Endocrine Society meeting. Chicago, USA, June 21-24, 2014, SAT-0903.
- **Alokail MS** and Alenad AM. Methylation of hippo pathway genes in bone, kidney, breast and prostate cancer cells. *The FASEB Journal* vol. 28 no. 1 Supplement 991.1, 2016.
- Al-Daghri NM, Pontremoli C, Cagliani R, Forni D, **Alokail MS**, Al-Attas OS, Sabico S, Riva S, Clerici M, Sironi M. Susceptibility to type 2 diabetes may be modulated by haplotypes in G6PC2, a target of positive selection. *BMC Evol Biol.* 2017 Feb 7;17(1):43
- Al-Daghri NM, Al-Saleh Y, **Alokail MS**. Emerging biomarkers in vitamin D metabolism; *Vitamin D Biomarker Discovery*. World congress on osteoporosis. Paris, France, April 4-7, 2019
- Alhazimy, H, Alenad, AM, Al-Daghri NM, **Alokail MS**. MST1/2 and LATS1/2 genes methylation status in bone cancer cells. In *Keystone symposia; Cancer Epigenetics: New Mechanisms and Therapeutic Opportunities*. 1003:1, January 26—30, 2020, Keystone Resort • Keystone, CO USA