

Curriculum Vitae

Personal Data

Name	Mohamed Saad Mohamed Daoud
Born	30 January 1967
Nationality	Egyptian
Email	mdawood@ksu.edu.sa dr_mohamed301@hotmail.com
Second Language	English
Marital status	Married

Specification

Major field	Biochemistry
Specific field	Clinical Biochemistry (Gene mutation in kidney and cardiac diseases)

Education

- 1989 B.Sc in Biochemistry, Ain Shams University, Egypt.
Very Good with Honor Degree.
- 1997 M.Sc. in Biochemistry, Ain Shams University, Egypt
- 2007 M.Sc. in Biochemistry, Ain Shams University, Egypt

Employment

- 1991-1993 Research Assistant-the Academy of Scientific Research and Technology - Arab Republic of Egypt.
- 1993-1997 Chemist in Urology and Nephrology Center (King Fahd Center) Lab. Kasr Al-Aini Hospitals - Faculty of Medicine, Cairo University
- 1998-2007 Biochemistry specialist in Urology and Nephrology Center (King Fahd Center) Lab. Kasr Al-Aini Hospitals - Faculty of Medicine, Cairo University
- 2007-Present Biochemistry fellow (Lecturer) in Urology and Nephrology Center (King Fahd Center) Lab. Kasr Al-Aini Hospitals - Faculty of Medicine, Cairo University
- 2008-Present Assistant professor – Biochemistry department- Faculty of science, King Saud University

Courses Taught: (Bachelors and Master)

- 1) BCH 101 (3+1) General Biochemistry
- 2) BCH 376 (2+1) Analysis of Biological fluids
- 3) BCH 302 (3+1) General biochemistry I
- 4) BCH 472 (2+1) Biochemistry of biological fluids
- 5) BCH 435 (0+2) Advanced Techniques in Biochemistry
- 6) BCH 498 (0+1) Research Project I
- 7) BCH 499 (0+2) Research Project II
- 8) BCH 497 (1+2) Research Project
- 9) BCH 485 (0+2) Principle & skills of scientific research

- 10) BCH 471 (2+1) Biochemistry of blood
- 11) BCH 441 (2+0) Bioenergetics
- 12) BCH 445 (2+1) Nutritional biochemistry
- 13) BCH 477 (2+0) Immunochemistry
- 14) BCH 103 (2+0) Biochemical fundamentals of Life
- 15) BCH 484 (1+2) Introduction to Scientific Research
- 16) BCH 464 (0+2) Gene expression
- 17) BCH 545 (3+0) Inborn Errors of Metabolism
- 18) BCH 540 (3+0) Advanced Metabolism
- 19) BCH 577 (3+0) Blood Biochemistry
- 20) BCH 580 (3+0) Biochemistry of Human Nutrition
- 21) BCH 560 (3+0) Biochemical Endocrinology

Committees:

1. Member of the Board of Assessors - King Saud University, (1439 - till now)
2. Member of the BCH 497 Committee - Department of Biochemistry (01/02/1439 - 9/21/1441)
3. Member of the Board of Biochemistry Department, Department of Biochemistry (10/12/1432-till now)
4. Coordinator of the Laboratory and Safety Committee, Department of Biochemistry, (1436-1440)
5. Member of the Committee for Academic Accreditation for the Bachelor's degree, Department of Biochemistry, (1429, till now)
6. Member of the Research and Scientific Publishing Unit, Faculty of Science, (1439 -1441)
7. Member of the Strategic Planning Unit at the College of Science (1439-till now)
8. Coordinator of the Committee for Preparing the Report of Research Achievements, Faculty of Science, 01/2/1440 09/21/1441
9. Member of the Student Counseling Committee, Department of Biochemistry (12/22/1439 08/27/1440)
10. Member of the Committee of Coordinators for Academic Accreditation for the Master's College of Science (1438-till now)
11. Member of the Committee for the Development and Quality Committees Coordinators, College of Science (1439-till now)
12. Coordinator of the Master's Academic Accreditation Committee, Department of Biochemistry - Faculty of Science (1438-till now)
13. Member of the Bioinformatics Inter-Program Committee, Faculty of Science, (1439-till now)
14. Member of the Inter-Program Committee on Natural Products, College of Science (1439-1441)
15. Member of the Committee of Coordinators for Laboratory and Safety Committee Coordinators, Faculty of Science, (1436-1440)
16. Coordinator of the Development and Quality Committee, Department of Biochemistry, (1440-till now)
17. Coordinator of the BCH 101 Committee, Department of Biochemistry (1441-till now)

Scientific Activities

- Member of the research group project number RGP-VPP-173. Deanship of Scientific Research, King Saud University.

- Scientific Assessment for the translated books from the center of translation-King Saud University.
- Sequence published in NCBI: Al-Jafari, A.-A., **Daoud, M.S.** and Ataya, F.S. Angiotensin converting enzyme (ACE) insertion/deletion polymorphism in Saudi population. NCBI database. <https://www.ncbi.nlm.nih.gov/nuccore/KJ140509>. Accession Number. KJ 140509.
- Reviewer for the M.Sc. thesis (Effect of expression of STK11 and its promoter activity in human breast cancer cell lines), 2015
- Reviewer for the M.Sc. thesis (Effects of vitamin D Supplementation on Iron level among Saudi Adolescents), 2018
- Reviewer for the M.Sc. thesis (Analysis of the potential molecular effects of Tartrazine and high dose exposure of Aspirin on cell cycle in rat brain), 2018
- Reviewer for the M.Sc. thesis (Differences in Circulating Serum Cystatin C Levels and its Associations with Metabolic Parameters Among Pregnant Women with and without Gestational Diabetes Mellitus), 2019.
- Reviewer for the M.Sc. thesis (Effect of Melatonin and Vitamin D on the Gene Expression of BCL-2 and Bax in Breast Cancer Cell Lines), 2019
- Reviewer for the M.Sc. thesis (RAS, TERT promoter and BRAF mutations in poorly differentiated thyroid cancer) 2019.
- Reviewer for the M.Sc. thesis (Variants in ANRIL gene correlated with its expression contribute to Colorectal cancer risk), 2020

Conferences & workshops attended

- The 2nd International Vitamin D symposium (Vitamin D in Health and Disease (2016)
- Electronic Performance Management System Training (2015)
- The First Bioinformatics Research Scientific meeting at King Saud University (2014)
- Poster Presentation in 29th annual meeting of the Saudi Biological Society at Dammam University, Saudi Arabia (2014).
- The program in fundamentals of Statistics Using SPSS (10 training hours) at King Saud University (2013).
- The 2nd Saudi International Nanotechnology conference (2SINC) at KACST in Riyadh (2012)
- Workshop on Nanotechnology from concepts to application (2012), KACST, Riyadh.
- The Saudi International Biotechnology Conference at KACST in Riyadh (2012).
- The program in Program and Course Specification (8 training hours) at King Saud University (2011).
- The 4th International Conference on Biomarkers in Chronic Diseases, Riyadh (2010).
- The 1st International Conference in Biotechnology by Saudi council for Health Specialties (18 hours) in Riyadh (2009).

Research Interest

- Study of protein purification, activation and kinetics of enzymes especially carbohydrate metabolism enzymes.
- Molecular diagnosis of problems in A-V shunt in chronic renal failure patients under hemodialysis.
- Diagnosis of some gene polymorphisms in Coronary artery and heart diseases.
- Cloning and Gene expression of antioxidant enzyme (glutathione transferase).

Publications:

- Al-Jafari AA, **Daoud MS**, Mobeirek AF and Al-Anazi MS. DNA Polymorphisms of the lipoprotein lipase gene and their association with coronary artery disease in the Saudi population. *IJMS* 2012; **13**(6): 7559-7574.
- Al-Hazzani AA, Shehata AI, Moubayed NMS, Al-Jafari AA, Ataya F, **Daoud MS**, Rizwana H, Al-Houri HJ and El-Gaaly GA. Pomegranate (*Punica granatum*) from ancient roots to modern life known with a potent antibacterial activity. *Annals of Biological Research* 2013; **4**(5): 75-87.
- **Daoud MS**, Ataya F, Fouad D, Al-Hazzani AA, Shehata AI and Al-Jafari AA. Associations of three lipoprotein lipase gene polymorphisms, lipid profiles and coronary artery disease. *Biomedical Reports* 2013; **1**(4): 573-582.
- Al-Hazzani AA, Ibrahim MM, Shehata AI, El-Gaaly GA, **Daoud MS**, Fouad D, Rizwana H and Moubayed NMS. Ecotoxicity of Ag-Nanoparticles on two microalgae. 2013; *Journal of Pure and Applied Microbiology* 7:233-241.
- Ataya FS, Al-Jafari AA, **Daoud MS**, Al-Hazzani AA, Shehata AI, Saeed HM, Fouad D. Genomics, phylogeny and in silico analysis of mitochondrial glutathione S-transferase-kappa from the camel *Camelus dromedaries*. *Res Vet Sci.* 2014 Apr 23. pii: S0034-5288(14)00111-8. doi: 10.1016/j.rvsc.2014.04.004.
- Al-Hazzani AA, **Daoud MS**, Ataya F, Fouad D, and Al-Jafari AA. Renin-angiotensin system gene polymorphisms among Saudi patients with coronary artery disease. *Journal of Biological Research-Thessaloniki* 2014, 21:8.
- Al-Jafari AA, **Daoud MS** and Ataya F. Angiotensin-Converting Enzyme Gene Insertion/Deletion Polymorphism in Coronary Artery Disease in the Saudi Population. *Annals of biological Research* 2016, 8(3): 4-10
- Farid S. Ataya, Dalia Fouad, Ajamaluddin Malik, Nikolaos E. Labrou, **Mohamed S. Daoud**, Hesham Mahmoud Saeed. Cloning, expression and molecular characterization of glutathione transferase P1-1 from the camel *Camelus dromedarius*" *Pakistan J. Zool.*, vol. 49(6), pp 2279-2289, 2017
- Al-Jafari, A; **Daoud, MS**; Ataya, FS. Renin-Angiotensin System Gene Polymorphisms and Coronary Artery Disease in Saudi Patients with Diabetes Mellitus, *International Journal of Clinical and Experimental Pathology* 2017, 10(10):10505-10514
- Malik A, Khan JM, Alamery SF, Fouad D, Labrou NE, **Daoud MS**, et al. (2018) Monomeric *Camelus dromedarius* GSTM1 at low pH is structurally more thermostable than its native dimeric form. *PLoS ONE* 13(10): e0205274
- Abdel-Gaber R, Ataya F, Fouad D, **Daoud MS**, Alzuhairy S. (2019) Prevalence, Morphological and Molecular Phylogenetic Analyses of the Rabbit Pinworm, *Passalurus*

ambiguus Rudolphi 1819, in the Domestic Rabbits *Oryctolagus cuniculus*. *Acta Parasitologica* (2019) 64:316–330

- **Mohamed Daoud.** (2021) Variants of D9N, G188A, N291S and 93 T/G Genes in Patients with Coronary Artery Diseases. *Indian Journal of medical science* (in progress)