**RESUME**

**Abdurrahman Mohammad Al-Senaidy**

Department of Biochemistry

College of Science,

King Saud University

P.O. Box: 2455 Riyadh 11451 Saudi Arabia

**E-mail address: Phone:**

[**senaidy@ksu.edu.sa**](file:///C:\Users\User\Desktop\PRC\senaidy@ksu.edu.sa) **Office +96614675940**

[senaidy@ksu.edu.sa](mailto:senaidy@k)

**EDUCATION**

* B.Sc. (1978)   Biochemistry Dept., College of Science, King Saud University.
* Ph.D. (1988)   Department of Biochemistry, Liverpool University, UK.

**TRAINING COURSES**

* 1999: Clinical Trial Monitoring Training, Quantum Clinical Research.
* 2003: Validation Issues in Chromatographic Processes: Current Regulatory Issues, Viral Clearance in downstream process. London, UK.
* 2004: Compliance for Biopharmaceutical API process Validation, by John Bennan Compliance Net Inc, USA 2004.

**CURRENT WORK**

* Professor of Biochemistry, Supervisor of Protein Research Chair Department of Biochemistry, College of Science, King Saud University.

**EXPERIENCE**

* **Teaching:**
* Undergraduate and postgraduate courses in Biochemistry.
* Supervisor of several M Sc. Students
* **Research Field**:
* Antioxidants in health and disease. Several research papers are published in international journals.
* Protein purification and enzymology.

**CONSULTATION:**

**1998 – 2005**:

* Full time Scientific Consultant in R&D lab in Saudi Pharmaceutical Industries & Medical Appliances Corporation, Riyadh, Saudi Arabia. I was responsible in development purification protocol (downstream process) to purify therapeutic human hormone as well as establishment of QC lab for glycoprotein characterization and identification. The first stage of this Biotechnology project was at R&D lab which involves recruitment, staff training and purchasing and installation of equipments. After completion of R&D stage and writing all SOPes a pilot study was carried out. Production scale equipments were ordered, facility design (clean area) were constructed at the factory in Qassim Pharmaceutical Plant.

**2005 – 2009:**

* Part-time consultant at Qassim Pharmaceutical Plant (SPIMACO). I work as a consultant supervising downstream process under GMP requirement. I was responsible of procedure transfer from R&D to production. Trial runs and validation patches were performed.

**Affiliations:**

* Member of Saudi Chemical Society.

**Publications:**

1. **Al Senaidy A.M**, Al Attas O.S, Al Dagheri N.M. (1995). Plasma α- and γ- tocopherol levels during pregnancy in women with GDM and women at high risk of developing GDM. **Med. Sci. Res**. 23; 171-174.
2. **Al Senaidy A.M**. (1996). Plasma α- and γ-tocopherol have different pattern during normal human pregnancy. **Mol. Cell. Biochem**. 154: 71-75.
3. **Al Senaidy A.M**. (1996). Distribution of α- and γ-tocopherols within blood fractions of ruminants. **Comp. Biochem. Physiol**. 115A (3): 223-227.
4. **Al Senaidy A.M.** (1996). Tocopherols in Camel's plasma and tissues. **Internat. J. Vit. Nutr. Res**. 66: 210-216.
5. **Al Senaidy A.M**.; Al Zahrany Y.A and Al Faqeeh M.B. (1997). Effects of smoking on serum levels of lipid peroxides and essential fat soluble nutrients. **Nutrition and Health.** 12: 55-65.
6. Tolba A.M, Hewedy F. M, **Al Senaidy A.M**. (1998). Neonates vitamin A status in relation to birth weight, gestational age and sex. **Journal of Tropical Paediatrics. Journal of Tropical Paediatrics.** 44: 174-177.
7. **Al Senaidy A.M**. (1998). Distribution of Fat Soluble Antioxidants (α-Tocopherol, Retinol and β-Carotene) in the Blood and other Tissues of Camel (*Camelus dromedaries*). **Saudi. J. Bio. Sci**. 5(2): 64-77.
8. **Al Senaidy A.M**. (2000). Serum Concentration of Retinol, β-Carotene, Cholesterol, and Triglycerides in Saudi School Children. **Journal of Tropical Paediatrics.** 46:163-167.
9. Sobki S.H, **Al Senaidy A.M**., *et al* (2004). Impact of Gestational Diabetes on Lipid Profiling and Indices of Oxidative Stress in Maternal and Cord Plasma**. Saudi Medical Journal**. 25(7): 876-880.
10. **AlSenaidy A.M**. (2009). Serum Vitamin A and β- Carotene Levels in Children with Asthma. **Journal of Asthma,** 46: 699-702.
11. **AlSenaidy A.M**. (2010). Effects of Short-term Supplementation with Vitamin C in Cigarette Smokers. **Aust. J. Basic & Appl. Sci**. 4(3): 487-493.
12. **AlSenaidy A.M.** (2010). Purification and Characterization of Glutathione Reductase from Camel (*Camelus dromedaries*) Erythrocytes. **European Journal of Scientific Research**. 48(1).142-154.
13. **Al Senaidy A.M**.; Ismael M. A. (2011) Purification and characterization of membrane-bound peroxidase from date palm leaves (*Phoenix dactylifera L.*). **Saudi Journal of Biological Sciences** (2011) 18, 293–298.
14. Jankun, Jerzy · Yang, Jie · Zheng, Hong · Han, Frank Q · **Al-Senaidy, Abdulrahman** · Skrzypczak-Jankun, Ewa, (2011) Remarkable extension of PAI-1 half-life surprisingly brings no changes to its structure. Published online .**International journal of molecular medicine**.
15. Jankun J, Skotnicka MŁysiak-Szydłowska W, **Al-Senaidy A**, Skrzypczak-Jankun E. (2011). Diverse inhibition of plasminogen activator inhibitor type 1 by theaflavins of black tea. Published online on: [**International Journal of Molecular Medicine**](http://www.researchgate.net/journal/1791-244X_International_Journal_of_Molecular_Medicine)**, February** 9.
16. [Jerzy Jankun](http://www.researchgate.net/researcher/39065958_Jerzy_Jankun), [**Abdulrahman Al-Senaidy**](http://www.researchgate.net/researcher/53518175_Abdulrahman_Al-Senaidy), [Ewa Skrzypczak-Jankun](http://www.researchgate.net/researcher/39487205_Ewa_Skrzypczak-Jankun). (2012) Can inactivators of plasminogen activator inhibitor alleviate the burden of obesity and diabetes? (Review). [**International Journal of Molecular Medicine**](http://www.researchgate.net/journal/1791-244X_International_Journal_of_Molecular_Medicine) 29(1):3-11.
17. **Can drinking black tea fight diabetes: literature review and theoretical indication.** (2012) Jerzy Jankun, **Abdulrahman Al-Senaidy**, Ewa Skrzypczak-Jankun. **Eur J Immunol**; 37 (2): 167-172.
18. Malik A, [**Al-Senaidy A**](http://www.ncbi.nlm.nih.gov/pubmed?term=Al-Senaidy%20A%5BAuthor%5D&cauthor=true&cauthor_uid=22751901), [Skrzypczak-Jankun E](http://www.ncbi.nlm.nih.gov/pubmed?term=Skrzypczak-Jankun%20E%5BAuthor%5D&cauthor=true&cauthor_uid=22751901), [Jankun J](http://www.ncbi.nlm.nih.gov/pubmed?term=Jankun%20J%5BAuthor%5D&cauthor=true&cauthor_uid=22751901). (2012) A study of the anti-diabetic agents of camel milk. **International Journal of Molecular Medicine** 30(3): 585-92.
19. Natarajan Valarmathy, Nadarajan Saravanan Prabhu, Kanagavel Deepankumar, Ravikumar Sambandam, **Abdulrahman Alsenaidy** and Niraikulam Ayyadurai.(2012) Homology modeling of bacterial endotoxin. **African Journal of Microbiology Research** Vol. 6(30. 5947-5949.
20. Ibrahim A. Al-Harbi, **Abdulrahman M. Alsenaidy** and Mohammad A. Ismael (2013). Purification and Characterization of highly stable Aldo-Keto Reductase from Camel (*Camelus Dromedarius*) Liver. **Arch. Biol. Sci., Belgrade**, 65 (1), 113-119,
21. Mohammed Akli Ayoub, **Abdulrahman Al-Senaidy** and [Jean-Philippe Pin](http://www.frontiersin.org/Community/WhosWhoActivity.aspx?sname=Jean_PhilippePin&UID=1806) (2012) Receptor-G protein interaction studied by bioluminescence resonance energy transfer: lessons from protease-activated receptor 1. **Front. Endocrin. doi**: 10.3389/fendo.2012.00082.
22. Natarajan Valarmathy, D. Jansirani, Choon-Hwan Lee, **Abdulrahman Alsenaidy** and Niraikulam Ayyadurai. (2012) Evaluation of cytotoxic properties of *Curcuma longa* and *Tagetes erecta* on cancer cell line (Hep2). **African Journal of Pharmacy and Pharmacology**. 7(14), 736-739.
23. Mohd Shahnawaz Khan, **Abdulrehman M. Al-Senaidy**, Medha Priyadarshini, Aaliya Shah and Bilqees Bano (2013) Different Conformation of thiol protease inhibitor during amyloid formation: Inhibition by Curcumin and Quercetin. **J Fluoresc** 23, 451–457
24. Mohd Shahnawaz Khan, Sourabh Dwivedi, Medha Priyadarshini, Shams Tabrez, Maqsood Ahmed Siddiqui, Haseeb Jagirdar, **Abdulrahman M. Al-Senaidy**, Abdulaziz A. Al-Khedhairy, Javed Musarrat (2013) Ribosylation of bovine serum albumin induces ROS accumulation and cell death in cancer line (MCF-7**). Eur Biophys J** 42:811–818.
25. Malik A, **Al-Senaidy A**, Skrzypczak-Jankun E, Jankun (2013) Isolation and characterization of serum albumin from *Camelus dromedarius.* **J.Exp Ther Med**.; 6(2):519-524.
26. Mohammad D. Bazzi, Mushari Quazani, Nayyar Rabbani, Ajamaluddin Malik, Mohammed Al Hasan, Mohammed S. Elrobh and **Abdulrahman M. Al Senaidy** (2013) Glycated Hemoglobin in camel: Minimal correlation with blood glucose level. **Arch. Biol. Sci.** 65 (3): 911-917.
27. Ajamaluddin Malik, Haseeb Jagirdar, Nayyar Rabbani, Mohd Shahnawaz Khan, Anwar Ahmad, **Abdulrahman M. Al-Senaidy**, Mohamad A. Ismael. "Optimization of storage and stability of camel liver glutathione s-transferase" (2015) **Prep. Biochem Biotech**- Oct 3; 45(7):650-66.
28. Khan MS., Priyadarshini M., Shah A., Tabrez S., Jagirdar H., **Senaidy AM**., Bano B. (2013). Benzo (a) pyrene induced structural and functional modifications in lung cystatin. **Environmental Monitoring and Assessment**. 185 (10): 8005-10
29. Rizwan Wahab & Sourabh Dwivedi & Mohd Shahnawaz Khan & **Abdulrahman M. Al-Senaidy** & Hyung-Shik Shin & Javed Musarrat & Abdulaziz A. Al-Khedhairy Optical Analysis of Zinc Oxide Quantum Dots with Bovine Serum Albumin and Bovine Hemoglobin” **Journal of Pharmaceutical Innovation** 2014, Volume 9 (1): 48-52.
30. Ibrahim A. Alharbi, Majid Khan, Nayyar Rabbani, **Abdulrahman M. Al-Senaidy**, Mohammad A. Ismael and Mohammad Akli Ayoub. Inhibition of NAPDH: Quinone Oxidoreductase Activity of Camel Lens ζ-Crystallin by Colchicine. 2014 **Current Enzyme Inhibition. Volume 2014;**10,2; 137 - 142.
31. [Anwar Ahmed](http://www.pubfacts.com/author/Anwar+Ahmed), [Ajamaluddin Malik](http://www.pubfacts.com/author/Ajamaluddin+Malik), [Haseeb Jagirdar](http://www.pubfacts.com/author/Haseeb+Jagirdar), [Nayyar Rabbani](http://www.pubfacts.com/author/Nayyar+Rabbani), [Mohd Shahnawaz Khan](http://www.pubfacts.com/author/Mohd+Shahnawaz+Khan), [Abdulrahman M Al-Senaidy](http://www.pubfacts.com/author/Abdulrahman+M+Al-Senaidy), [**Mohamed A Ismael**](http://www.pubfacts.com/author/Mohamed+A+Ismael)**.** [Copper-Induced Inactivation of Camel Liver Glutathione S-Transferase.](http://www.pubfacts.com/detail/26043917/Copper-Induced-Inactivation-of-Camel-Liver-Glutathione-S-Transferase) (26 May 2015) **Biol Trace Elem Res**.
32. [Khan MS](http://www.ncbi.nlm.nih.gov/pubmed/?term=Khan%20MS%5BAuthor%5D&cauthor=true&cauthor_uid=26347183), [Tabrez S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Tabrez%20S%5BAuthor%5D&cauthor=true&cauthor_uid=26347183), [Bhat SA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Bhat%20SA%5BAuthor%5D&cauthor=true&cauthor_uid=26347183), [Rabbani N](http://www.ncbi.nlm.nih.gov/pubmed/?term=Rabbani%20N%5BAuthor%5D&cauthor=true&cauthor_uid=26347183), [**Al-Senaidy AM**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Al-Senaidy%20AM%5BAuthor%5D&cauthor=true&cauthor_uid=26347183), [Bano B](http://www.ncbi.nlm.nih.gov/pubmed/?term=Bano%20B%5BAuthor%5D&cauthor=true&cauthor_uid=26347183). Effect of trifluoroethanol on α-crystallin: folding, aggregation, amyloid, and cytotoxicity analysis. [**J Mol Recognit.**](http://www.ncbi.nlm.nih.gov/pubmed/26347183) **2016** Jan;29(1):33-40
33. Ajamaluddin Malik, Abuzar Haroon, Haseeb Jagirdar, **Abdulrahman M. Alsenaidy**, Mohamed ‎Elrobh, Wajahatullah Khan, Mohammed S. Alanazi, Mohammad D. Bazzi “Spectroscopic and ‎thermodynamic properties of recombinant heat shock protein A6 from Camelus dromedaries” ‎**Eur Biophysics Journal** (2015), 44(1-2):17-26.
34. Ajamaluddin Malik, **Abdulrahman M. Alsenaidy**, Mohamed Elrobh, Wajahatullah Khan, ‎Mohammed S. Alanazi, Mohammad D. Bazzi “Optimization of expression and purification of ‎HSPA6 protein from Camelus dromedaries in E. coli” Article in press. **Saudi Journal of ‎Biological Sciences**. April 2015. http://dx.doi.org/10.1016/j.sjbs.2015.04.017
35. Abdulrasheed O Abdulrahman, Mohammad A Ismael, Khaled A Alhosaini, Christelle Rame, **Abdulrahman M Al-Senaidy**, Joëlle Dupont. Mohammed Akli AYOUB. Differential Effects of Camel Milk on Insulin Receptor Signaling – Towards Understanding the Insulin-like Properties of Camel Milk. Accepted for publication in **Frontiers in Endocrinology**, Molecular and Structural Endocrinology section. January 2016 | Volume 7 | 0004.
36. Anwar Ahmed, Shakir H. Haider , Shama Parveen , Mohammed Arshad , Hytham A. Alsenaidy , Alawi Omar Baaboud , Khalid Fahad Mobaireek , Muslim Mohammed AlSaadi , **Abdulrahman M. Alsenaidy**, Wayne Sullender7Co-Circulation of 72bp Duplication Group A and 60bp Duplication Group B Respiratory Syncytial Virus (RSV) Strains in Riyadh, Saudi Arabia during 2014. PLOS ONE | DOI:10.1371/journal.pone.0166145 November 11, 2016.
37. Malik A, Rabbani M, Rabbani N, **Al-Senaidy AM**, Alsenaidy MA. Expression, Purification and Properties of Redox-Sensitive Eye Lens Zeta-Crystallin of Arabian camel. [Protein Pept Lett.](https://www.ncbi.nlm.nih.gov/pubmed/27071472) 2016; 23(6):573-80.
38. Ajamaluddin Malik, Dalia Fouad, Nikolaos E. Labroud, **Abdulrahman M. Al-Senaidy**, Mohamed A. Ismael, Hesham M. Saeed, Farid S. Ataya. Structural and thermodynamic properties of kappa class glutathione transferase from Camelus dromedaries. International Journal of Biological Macromolecules 88 (2016) 313–319.
39. Khan MS, [Rabbani N](https://www.ncbi.nlm.nih.gov/pubmed/?term=Rabbani%20N%5BAuthor%5D&cauthor=true&cauthor_uid=27586185), Tabrez S, Islam BU, Malik A, Ahmed A, Alsenaidy MA, Alsenaidy AM. Glycation Induced Generation of Amyloid Fibril Structures by Glucose Metabolites. Protein Pept Lett. 2016; 23(10):892-897.

# Khan MS, Bhat SA, Tabrez S, [Alama MN](https://www.ncbi.nlm.nih.gov/pubmed/?term=Alama%20MN%5BAuthor%5D&cauthor=true&cauthor_uid=27225040), Alsenaidy MA, **Al-Senaidy AM**. Denaturation induced aggregation in α-crystallin: differential action of chaotropes. J Mol Recognit. 2016 Nov; 29(11):536-543. doi: 10.1002/jmr.2553. Epub 2016 May 26.