

Mysoon M. F. Al Ansari, PhD

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CURRENT STATUS

- Assistant Professor, Department of Botany and Microbiology. Faculty of Science. King Saud University. Women Students. Medical Studies & Sciences Sections. Riyadh, Saudi Arabia.
- Adjunct Scientist as Postdoctoral Fellow. Department of Cancer Biology & Experimental Therapeutics. KFSH&RC, Riyadh, Saudi Arabia.

EDUCATION

- 2012 Postdoc in Molecular Oncology. Department of Cancer Biology & Experimental Therapeutics. KFSH&RC. SA
- 2011 PhD in Molecular Genetics and Biology; King Saud University.
- 2010 Yale University Global Fellow in Infectious Diseases, King Saud University/ Yale University Global Student Exchange Program (Part of PhD Program); First Saudi Arabian Candidate, June 1st – August 1st.
Project Title: *Pseudomonas Aeruginosa* Twitching Motility, (Analysis of PilT on 0020 localization).
- 2002 Canadian Scholarship Program PhD; Immunology Courses, Communication Skills Course for the 21st Century and other courses, as a full-time PhD student. Queen's University, Department of Microbiology and Immunology. Kingston, ON. Canada.
- 1997 Master of Science in Microbiology; King Saud University. Riyadh, Saudi Arabia
- 1993 BS in Biology (Micro-biology), King Abdul-Aziz University, Faculty of Science. Jeddah, Saudi Arabia.
- 1989 Two Years in Medical School as BS, King Abdul Aziz University. Jeddah, Saudi Arabia.

EXPERIENCE

TEACHING

- **Undergraduates and Postgraduate Students Teaching**

- **Supervision and Examiner**
- **Principal Supervisor of M.SC's Graduate Students**

RESEARCH

- Postdoctoral fellow, DNA Repair and Apoptosis Section, Molecular Oncology Department, King Faisal Specialists Hospital and Research Centre (KFHRC). Riyadh, Saudi Arabia. (April 14th – July 5th 2011).

COMITIES MEMBERSHIP

- Member of Academic Accreditation Committee for Graduate Studies, (2018-2019), Microbiology Department, Science College, KSU.
- Chief of Community Service Committee, (2018-2019), Microbiology Department, Science College, KSU.
- Chief of Community Service Committee, (2014-2016), Microbiology Department, Science College, KSU.
- Chief of Evaluation and Commitment Committee, (2014), Microbiology Department, Science College, KSU.
- Chief of Teaching Load Committee, (2013). Microbiology Department, Science College, KSU.
- Member in Excellence of Research Committee, Microbiology Department, Science College, KSU.
- Associate member of American Association of Cancer Research (AACR).
- Consultant in Saudi Aramco Environmental Protection Program. Riyadh, Saudi Arabia.

PATENT

Mysoon Al-Ansari, M.S. AlSalhi, S. Devanesan, Akram Ahmed Alfuraydi. Green synthesis of silver nanoparticles using sesame (*Sesamum indicum*) oil cake and cytotoxicity study on MCF-7 Cell Line “**USPTO Docket No. 32809.55: September 2017**”

BOOK TRANSLATION

Probiotics, Protection Against Infection. Author; Case Adams.

PUBLICATIONS

1. M. M. Al-Ansari and A. Abussekhra. ATR Protein Kinase in Breast Stroma Fibroblasts Represses Angiogenesis in Paracrine Manner. **(In Preparation)**
2. M. M. Al-Ansari, SF. Hendryani, and A. Abussekhra. Role of the ATR Protein Kinase in Tumor-Stromal Interactions in Breast Cancer. **(In Preparation)**
3. **Mysoon Al-Ansari**, Noorah Alkubais, P. Vijayaragavan, K. Murugan (2019) Antimicrobial potential of *Streptomyces* sp. to the Gram positive and Gram negative pathogens. J Infect Public Health. 2019 Nov - Dec;12(6):861-866. doi: 10.1016/j.jiph.2019.05.016.

4. **Mysoon Al-Ansari**, Noorah Alkubais, Kasi Gopinath, Viswanathan Karthika, Ayyakannu Arumugam, Marimuthu Govindarajan (2019). Facile and cost-effective Ag nanoparticles fabricated by *Lilium lancifolium* leaf extract: Antibacterial and antibiofilm potential (2019) *Journal of Cluster Science*, Volume 30, Issue 4, pp 1081–1089. DOI: 10.1007/s10876-019-01569 Q3
5. **Mysoon Al-Ansari**, L. A. Al-Humaid, P. Vijayaraghavanb B. Ravindran S. W. Chang. Agastian, M. A. Rathi B. Balamuralikrishnan (2019). Identification of phytochemical components from *Aerva lanata* (Linn.) medicinal plants and its in-vitro inhibitory activity against drug resistant microbial pathogens and antioxidant properties. *Saudi Journal of Biological Sciences*, Vol.26:1129-1133 <https://doi.org/10.1016/j.sjbs.2019.02.010>. **IF; 3.24 (Q1)**
6. Akram A. Alfuraydi, Sandanasamy Devanesan, Mysoon Al-Ansari, Mohamad S. AlSalhi Amirtham J. Ranjitsingh (2019) Eco-friendly green synthesis of silver nanoparticles from the sesame oil cake and its potential anticancer and antimicrobial activities. *Journal of Photochemistry & Photobiology, B: Biology* 192 (2019) 83–89. **IF; 3.165 (Q1)**
7. **Al-Ansari, M. M.**, & Aboussekhra, A. (2018). ATR suppresses the pro-tumorigenic functions of breast stromal fibroblasts. *Oncotarget*, 9(78), 34681-34690. doi:10.18632/oncotarget.26159. **IF; 5.168 (Q1)**
8. Siti-Fauziah Hendrayani, Bothaina Al-Harbi, **Mysoon M. Al-Ansari**, Gabriela Silva, Abdelilah Aboussekhra (2016). The Inflammatory/Cancer-Related IL-6/STAT3/NF-κB Positive Feedback Loop Includes AUF1 and Maintains the Active State of Breast Myofibroblasts. **Oncotarget**; Vol. 7, No.27:41974-41985. **(Q1)**
9. **Mysoon M. Al-Ansari**, and Abdelilah Aboussekhra (2015). MiR-146-5p mediates p16-dependent repression of IL-6 and suppresses paracrine procarcinogenic effects of breast stromal fibroblasts. **Oncotarget**; Vol. 6, No. 30:30006-30016 **(Q1)**
10. **Mysoon M. Al-Ansari**, and Abdelilah Aboussekhra (2014). Caffeine Mediates Sustained Inactivation of Breast Cancer-Associated Myofibroblasts via Up-Regulation of Tumor Suppressor Genes. **PLoS ONE** 9(3): e90907. doi:10.1371/journal.pone.0090907. **IF; 2.766 (Q1)**
11. **M. M. Al-Ansari**, SF. Hendryani, A. Tulbah, T. Al-Tweigeri, A. I. Shehata, and A. Aboussekhra. (2012). p16^{INK4A} Represses Breast Stromal Fibroblasts Migration/Invasion and their VEGF-A-Dependent Promotion of Angiogenesis Through Akt/mTOR/HIF-1α Pathway Inhibition. **Neoplasia**, Vol. 14, No. 12:1269–1277. **IF; 4.994 (Q1)**
12. **M. M. Al-Ansari**, SF. Hendryani, A.I. Shehata and A. Aboussekhra. (2012). P16INK4A represses the paracrine tumor-promoting effects of breast stromal

fibroblasts. **Oncogene, Nature.** 32:2372. 10. 1038/onc.2012.270. **IF; 6.854 (Q1)**

13. **M. M. AL Ansari** and R. Al Somm. Production, Purification and Characterization of Lipase Produced From Bacillus sp. II Group Grown on Sesumum Indicum Litters. 2003. **R. J. Med. Res. Inst.–Alex. Univ. 24 (2 Supp.): 39-53.**

PRESENTATIONS

Oral:

- 2019 Microbiome; Gut Microbiota or More?
- 2018 How to Write a Proposal For PhD & Master Students (**Workshop**). Targeting Postgraduate Students From Deferent Specialties. Postgraduate Building, Training Centre, 27.06.1439H
- 2017 MiR-146-5p Mediates IL-6 and Suppresses Paracrine Procarcinogenic Effects of Breast Stromal Fibroblasts. Programme: Research Collaboration Workshop: Genomics and Precision Medicine 22 – 23 March. King Saud University – Riyadh - KSA
- 2015 Research Design and Methods. Research Centre, Girls Campus, King Saud University. Riyadh, Saudi Arabia. **Published on Oct. 27, 2015.** <https://www.slideshare.net/researchcenterm/research-design-methods>
- 2014 Role of IL-6 in the Pro-Carcinogenic Effects of Breast Stromal Fibroblasts. Invasive Breast Cancer: New Molecular Insights and Translational Potentials. January 8th. King Faisal Specialist Hospital and Research Centre. Riyadh, Saudi Arabia.
- 2013 How to Search and Read a Scientific Journal. September 16th. Post-graduate program. Research Center Building, King Saud University. Riyadh, Saudi Arabia.
- 2012 Role of Caffeine and p16^{INK4a} in Suppressing the Pro-Angiogenic Paracrine Effects of Breast Cancer-Associated Fibroblasts. The 11th Annual Research Report, April 16th – 17th. King Faisal Specialist Hospital and Research Centre. Riyadh, Saudi Arabia.
- 2012 Role of p16INK4A and Caffeine in Suppressing the Expression/Secretion of IL-6 and the Pro-carcinogenic Effects of Breast Cancer-Associated Fibroblasts. M. M. Al-Ansari, SF. Hendrayani and A. Aboussekhra. November 13th-17th, CSH Asia/ICMS Joint Conference on Tumor Microenvironment. Suzhou, China.
- 2011 The 10th Annual Research Report, April 4th. Role of the Tumor Suppressor p16 Protein in Tumor-Stromal Interaction in Breast Cancer. King Faisal Specialist Hospital and Research Centre. Riyadh, Saudi Arabia.

Poster:

- 2014 M. Al Ansari, Abdelilah Aboussekhra, Down-regulation of p16INK4a inhibits miR-146b-5p and modulates IL-6 in breast stromal fibroblasts. Henry B. Gonzalez Convention Center, December 9-13 Annual Breast Cancer Symposium. San Antonio, Texas, USA. **Cancer Research, DOI: 10.1158/1538-7445.SABCS14-P4-04-26 Published May 2015**

- 2013 M. Al Ansari, Abdelilah Aboussekhra, Caffeine normalizes breast stromal fibroblasts and suppresses their pro-carcinogenic effects. **Cancer Res;73(8 Suppl): 4886. doi:10.1158/1538-7445.AM2013-4886**
Presented at AACR Annual Meeting April 6th-10th 2013. Washington DC, USA
- 2011 A. Aboussekhra, MM Al-Ansari, S-F Hendrayani, and T. Al-Tweigeri Role of the ATR Protein Kinase and Curcumin in Tumor-Stromal Interactions in Breast Cancer. **Cancer Res;70(24 Suppl):Abstract nr P4-05-02**
Presented at 33rd Annual Breast Cancer Symposium, December 8th -12th 2010, San Antonio, Texas, USA.
- 2011 M. M. Al-Ansari, SF. Hendrayani, A. Tulbah and A. Aboussekhra, p16^{INK4A} Represses Breast Stromal Fibroblast Activation and the Related Paracrine Tumor Promoting Effects. November 3-6, Tumor Microenvironment Complexity: Emerging Roles in Cancer Therapy. American Association of Cancer Research. Orlando, FL, USA.

AWARDS

- 2017 Best publication award for “The Inflammatory/Cancer-Related IL- 6/STAT3/NF-κB Positive Feedback Loop Includes AUF1 and Maintains the Active State of Breast Myofibroblasts”. 17th Research center annual report 2016 from 19-20 April. Prince Salman Auditorium, KFSH&RC, Riyadh, Saudi Arabia.
- 2016 Best publication award for “MiR-146-5p mediates p16-dependent repression of IL-6 and suppresses paracrine procarcinogenic effects of breast stromal fibroblasts”. Research center annual report 2015 from 13-14 April. Prince Salman Auditorium, KFSH&RC, Riyadh, Saudi Arabia.
- 2012 Best publication award for “p16^{INK4A} Represses the paracrine tumor-promoting effects of breast stromal fibroblasts”. Research center annual report 2012 from 20-21 Jun. Prince Salman Auditorium, KFSH&RC, Riyadh, Saudi Arabia.
- 2012 Best publication award for “p16^{INK4A} represses breast stromal fibroblast migration/invasion and their VEGF-A dependent promotion of angiogenesis through Akt inhibition”. Research center annual report 2012 from 20-21 Jun. Prince Salman Auditorium, KFSH&RC, Riyadh, Saudi Arabia

CONFERENCES, WORKSHOP AND LECTURES ATTENDED

- 2018 Integrative Molecular Epidemiology Workshop: Bridging Cancer Biology and Precision Medicine, AACR. Westin Copley Place Boston, Massachusetts, USA. July 9-13.
- 2016 Applying the Quality Matters Rubric (APPQMR), Quality Matters Online US Program. October 2.
- 2015 April 14th to December 4th, eLearning Pioneers Female Faculty Development Program, OLC Learning, Leadership Track. Nominated by Ministry of Higher Education of Saudi Arabia.

- 2015 July 20-30th, Exploration and Hands-on Training on the Practice of eLearning at US Institutions. TUFT University and Marriot-Cambridge. Boston, USA.
- 2015 May 12-16th, Biology of Cancer: Microenvironment, Metastasis & Therapy. Cold Spring Harbor, New York, USA.
- 2014 June 24th, EMBO Conference of Microbiology After the Genomics Revolution. Pasteur Institution, Paris, France.
- 2014 June 3rd. Understanding Histological Grade in Breast Cancer at Molecular and Functional Level. Possible Utility in Patient Stratification and Management. Dr. Sheikh Sayeed, Department of Cancer Biology, Thomas Jefferson University, Philadelphia PA. Held by; KFSH&RC, Riyadh, Saudi Arabia.
- 2014 April 21st, Developing a Teaching Portfolio. Deanship of Skills Development, King Saud University. Riyadh, Saudi Arabia.
- 2014 April 16-17, Annual Report of Research Centre. King Faisal Specialist Hospital and Research Centre. Riyadh, Saudi Arabia.
- 2013 July 7-10, 14th International Tumor Necrosis Factor (TNF) Conference. Quebec City, Quebec, Canada.
- 2013 April 6-10, AACR Annual Meeting 2013. Washington DC, USA
- 2010 July 12-23, IMED 645 Introduction to Biostatistics in Clinical Investigation. Investigative Medicine Program, Graduate School of Arts and Science, Yale university. New Haven, CT, USA.
- 2010 April 5-9, International Breast Cancer Conference, Riyadh, Saudi Arabia.
- 2009 October 20-24, AACR 5th International Conference, on Tumor Microenvironment: Progression, Therapy & Prevention. Versailles, France.
- 2008 March 16-19, AACR International Conference. Advances in Cancer Research: From the Laboratory to the Clinic. King Hussein Bin Talal Convention Center, Dead Sea, Jordan.

APPLIED SKILLS

Human tissue and microbial culture, Cloning, RNA extraction, RT-PCR, Real Time RT-PCR, Western Blot, Protein extraction, ELISA, Transfection, Zymography, UV and Gamma Irradiation, Human and animal dissection (anatomy), Histology, Immunofluorescent and Immunohistochemistry, Fluorescent microscopy, Confocal microscopy

EXTRA ACTIVITIES

- 2014 May 14th, Attended the closing ceremony for 2014 of Aramco Environment Protection as Guest of Honor, Ritz Carlton Hotel. Riyadh, Saudi Arabia.
- 2014 Feb. 6th Scientific Research Examiner and Judge, Final of National Olympiad for Scientific Creativity, Ebdaa. Al Jawdah School, Riyadh, Saudi Arabia

- 2013 March 18th Scientific Research Examiner and Judge, Final of National Olympiad of Scientific Creativity, Ebdaa. Riyadh, Saudi Arabia
- 2013 February 18th Scientific Research Examiner and Judge, National Olympiad of Scientific Creativity, Ebdaa. Riyadh, Saudi Arabia
- 2012 April 14th Scientific Research Examiner and Judge, National Olympiad of Scientific Creativity, Ebdaa. Riyadh, Saudi Arabia
- 2012 Feb. 18th. Scientific Research Examiner and Judge, National Olympiad of Scientific Creativity, Ebdaa. Hayil, Saudi Arabia.
- 2011 Feb. 14th. Participating as a Judge in the National Olympiad for Scientific Creativity, Ebdaa. Hayil, Saudi Arabia.
- 2010 Basic Cardiac Life Support Provider, According to the Standards and Guidelines of the American Heart Association. CPR Education Centre, Riyadh Military Hospital
- 1999 Decoration, dress making and design. Diploma with highest honors in Dress making and Design; International correspondence schools, Montreal, Quebec, Canada
- 1994 Introduction to Computer & DOS Course; Queen Effat University, Jeddah K.S.A. In Cooperation with the American University in Cairo
- 1993 Dental Clinic, King Abdul-Aziz University, Six months training,
- 1993 One month training in Medical Bacteriology lab, King Abdul-Aziz University Hospital

REFERENCES

- **Abdelilah Aboussekhra, PhD**
Head of DNA Repair & Apoptosis Research Unit, Molecular Oncology Department, King Faisal Specialist Hospital & Research Center, BMC # 03-66, P.O. BOX; 3354, Riyadh 11211, Kingdom of Saudi Arabia
- **Michael Capillo, M.D.**
Professor of Pediatrics, Microbial Pathogenesis and Public Health Director, Program in International Child Health Director. Yale University.
Yale Child Health Research Centre R 464 Congress Avenue, New Haven, CT. 06520, Phone: 203-737-4320 Fax: 203-737-5972
E-mail: michael.cappello@yale.edu

ملخص للإنجازات الأكاديمية باللغة العربية

أستاذ مساعد. كلية العلوم، قسم النبات والأحياء الدقيقة، جامعة الملك سعود. فرع الدراسات الطبية للنبات. الرياض، المملكة العربية السعودية.

عالم مشارك كأستاذ ما بعد الدكتوراه (زمالة). قسم علم السرطان الجزيئي، مستشفى الملك فيصل التخصصي ومركز الأبحاث بالرياض. المملكة العربية السعودية.

المهام واللجان

2014/2016 مقرر لجنة خدمة المجتمع، قسم الأحياء الدقيقة/ كلية العلوم. جامعة الملك سعود. الرياض

2014/2015 عضوة في لجنة التميز البحثي. جامعة الملك سعود. الرياض، المملكة العربية السعودية.

2013/2014 مقرر لجنة التقييم والإعتماد، قسم الأحياء الدقيقة/ كلية العلوم. جامعة الملك سعود. الرياض

2013/2014 عضوة في لجنة الأحياء الدقيقة لوضع العباء التدريسي بفرع قسم الأحياء الدقيقة/ كلية العلوم. جامعة الملك سعود. الرياض، المملكة العربية السعودية.

عضوة في المجموعة البحثية لأورام سرطان الثدي. مستشفى الملك فيصل التخصصي ومركز الأبحاث بالرياض. المملكة العربية السعودية.

عضو مشارك في الجمعية الأمريكية لأبحاث السرطان (AACR). الولايات المتحدة الأمريكية.

خدمة المجتمع

مستشارة في أرامكو السعودية للتربية البيئية. الرياض، المملكة العربية السعودية.

محكمة في الأولمبياد الوطني للإبداع العلمي، مسار البحث العلمي.

مؤتمرات وورش عمل

٢٠١٥/٢ رائدات التعليم الإلكتروني والتعلم عن بعد بترشيح من وزير التعليم العالي، مسار قيادي. مدة الدورة سنة كاملة، تتضمن ثلاث أيام محاضرات تم تنظيمها في فندق الإنتركونتيننتال بالرياض، ومحاضرات على الموقع الإلكتروني مع كتابة عدة تقارير

٢٠١٤/١١ جمادى الثاني، دورة في تطوير ملف التدريس (٤ ساعات تدريبية). عمادة تطوير المهارات. جامعة الملك سعود. الرياض، المملكة العربية السعودية

٦/٢٠١٤م تفهم الدرجات الخلوية في أورام الثدي على المستوى الجزيئي والوظيفي. مركز الأحياء للأورام، م

٦/٢٠١٤م مؤتمر الأحياء الدقيقة بعد الثورة الجينية، مركز باستور، باريس فرنسا

إشراف طالبات الدراسات العليا

١. مشرف رئيسي على الطالبة داليا محمد سعيد آل سرار، ماجستير. (٢٠١٣)

رقم	نوع الإشراف	إسم الطالبة	مرحلة الطالبة	سنة بداية الدراسة	الحالة	إسم البحث باللغة الإنجليزية	إسم البحث باللغة العربية
1	مشرف رئيسي	الطالبة إيمان النهمي	ماجستير	٢٠١٧	دراسة البحث	Association Between Probiotic Intake and Cytokines Level in Osteoporotic Patients Among Saudi Population	العلاقة بين تناول البروبيوتك ومستوى السايٲوكائات في مرضى هشاشة العظام في المجتمع السعودي
2	مشرف رئيسي	كادي عبدالله الهزاع	ماجستير	٢٠١٨	دراسة البحث	Using Metagenomics Approach for Detecting Pathogens in Health care Facilities	إستخدام الميتاجينوميك للكشف عن مسببات الأمراض في مرافق الرعاية الصحية
3	مشرف رئيسي	منيرة منصور عبد العزيز الجبالي	ماجستير	٢٠١٨	دراسة البحث	Prevalence and Molecular Characterization of Salmonella spp. From Poultry Samples in Riyadh, Saudi Arabia	الإنتشار والتوصيف الجزيئي لبكتريا السالمونيلا من عينات الدواجن في الرياض، المملكة العربية السعودية
4	مشرف رئيسي	هدى النصرالله	ماجستير	٢٠١٩	دراسة البحث	The Correlation Between the Expression of Osteoprotegerin and the Activation of Breast Stromal Fibroblasts	العلاقة بين مستوى الأوستيوبروتيغرين وتنشيط خلايا الثدي الليفية
5	مشرف رئيسي	نورة الدهمش	ماجستير	٢٠١٩	دراسة البحث	Comparison of Antimicrobial Activity of Aqueous Extracts and Silver Nanoparticles Synthesised Using Bowsellia carteri and Acacia Senegal Against Oral Bacteria	مقارنة النشاط المضاد للميكروبات لمستخلصات مائية والجزيئات النانوية الفضية التي تم تصنيعها باستخدام نبتة البوسوليا كارتيري ونبتة الأكاسيا سينيجال ضد بكتريا فموية