CURRICULUM VITA - 2009

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DEGREES Ph.D

Glasgow University, Scotland

2001

Masters

King Adulaziz University – Jeddah, Saudi Arabia

1989

Bachelors

King Abdulaziz University – Jeddah, Saudi Arabia

1983

EMPLOYMENT HISTORY

November 2007 to

present

: Associate Professor, Faculty of Medicine

King Abdulaziz University Jeddah, Saudi Arabia.

April 2002 to November 2007 Assistant Professor, Faculty of Medicine

King Abdulaziz University Jeddah, Saudi Arabia.

January 1990 to March, 2002 : Lecturer, Faculty of Medicine King Abdulaziz University Jeddah, Saudi Arabia

April 1983 to December 1989 Demonstrator, Faculty of Medicine

King Abdulaziz University Jeddah, Saudi Arabia

EXPERIENCE:

2003 to Present : Head of Tissue Culture Unit

King Fahd Medical Research Center

King Abdulaziz University, Jeddah, Saudi Arabia

2004 to Present : Member of Female Group

World Assembly of Muslim Youth (WAMY)

Jeddah, Saudi Arabia

2005 to Present : Member of the Gulf Federation for Cancer Control,

Doha, Qatar.

2005 to Present : Membership of the Saudi Chemical Society,

King Saudi University, College of Science, Chemistry

Dept., Riyadh, Saudi Arabia.

2006 to Present : Membership of the Nanotechnology Group in King

Abdulaziz University, Jeddah, Saudi Arabia

2008 to Present Member of Female Research Group of World Supreme

> Council for Commission on Scientific Signs of Quran and Sunnah Muslim World League Jeddah, Saudi Arabia

2009 to Present Member of Saudi Society for the life sciences, Al-Madinah,

Saudi Arabia

PUBLISHED PAPERS

Khorshid FA. Zinc and the Effect of it's Deficiency on the Biological Functions. 1986 Handout.

- **Khorshid FA.** Does Diffusion Play a Role in the Reaction of Cells Topography? Experimental Biology Online Symposium – Scotland. 1999.
- Khorshid FA. Effect of Zinc Deficiency on the Ultra Structure of Rat Liver Cells. Al-Azhar Medical Journal, Vol 25 No. 2: 1211-1233, 2004.
- Khorshid FA. Comparative Study of Keloid Formation in Animal Models, Med Sci Monit, 11(7): BR 212-219; 2005.
- Khorshid FA, Moshref SS, Heffny N. An Ideal Selective Anticancer Agent In Vitro, I- Tissue Culture Study of Human Lung Cancer Cells A549. JKAU-Medical Sciences .Vol 12, pp 3-18, 2005.
- **Khorshid FA.** The effect of the medium viscosity on the cells morphology in reaction of the cells to topography-1, Pore 2nd Saudi Sci. Conf. Fac.Sci, KAU, Part1, pp 67-98, 2005.
- Khorshid FA. Tissue Culture and Histological Study of Abnormal Wound Healing in Human Keloid Preliminary Study in a Saudi Region, Kasr El Aini Medical Journal, Vol 12, No 4, pp. 123-134, 2006.
- Moshref SS, Khorshid FA, Jamal Y. The Effect of PM 701 on Mice Leukemic Cells: I - Tissue Culture Study of L1210 (In Vitro) II - In Vivo Study on Mice, JKAU- Medical Sciences .Vol 13 (1), pp. 3-19, 2006.
- Khorshid FA. and Moshref SS. In Vitro Anticancer Agent, I Tissue Culture Study of Human Lung Cancer Cells A549 II - Tissue Culture Study of Mice Leukemia Cells L1210. International Journal of Cancer Research 2 (4):330-344, 2006.
- Khorshid FA. Morphometery and Tissue Engineering Studies of Keloidal Cells. Asian Journal of Cell Biology 2 (2): 54-64, 2007.

• **Khorshid FA.** Preclinical evaluation of PM 701 in Experimental animals. International Journal of Pharmacology, 4(6): 443-451, 2008. ISSN 1811-7775.

• د. فاتن خورشيد، د. سعاد شاكر. تفعيل دور بعض الوحدات البحثية في دعم طالبات الدراسات العليا وخطة التنمية بالمملكة: تجربة وحدة زراعة الخلايا والأنسجة بمركز الملك فهد للبحوث الطبية، جامعة الإمام محمد بن سعود الإسلامية، الرياض،4- 5/4/1427هـ.

- **Khorshid FA.** Potential Anticancer Natural Product against Human Lung Cancer Cells. Trends in Medical Research 4 (1): 9-15, 2009.
- Raouf GA, Khorshid FA; Kumosani T. FT-IR Spectroscopy as a Tool for Identification of Apoptosis-Induced Structural Changes in A549 Cells Dry Samples Treated with PM 701. Int. J. Nano and Biomaterials, Vol. 2, No. 1/2/3/4/5, 2009
- **Khorshid FA**. Osman AA. Abdulsattar E. Cytotoxicity of Bioactive fractions from PM 701. EJEAFChe, 8 (11), 2009. [1091-1098]

IN PROGRESS

• **Khorshid FA.** The Effect of Viscosity of the Medium on the Reaction of Cells to Topography: II – Movement and Cytoskeleton Study (under publication).

PUBLISHED BOOKS

- **a.** Laboratory Manual of Biology, Part I, for Biological and First year Medical Students, 2004.
- **b.** Laboratory Manual of Biology, Part I, for Biological and First year Medical Students, 2007 (Second Edition).
- **c.** Laboratory Manual of Biology, Part II, for Biological and First year Medical Students, 2005.
- d. Zinc, Arabic

CONFERENCES AND SYMPOSIUM (International)

- Radiation Protection Course. Glasgow University, Scotland, UK. 1998.
- Intensive English Course as a Foreign Language and Study Skill, Glasgow University, Glasgow, Scotland, UK. 1998.
- Experimental Biology Online Cell Engineering Conference, Hirottwatt University, Edinburgh, Scotland, UK. 1999
- Tissue Engineering Conference, Nottingham University, England, UK, 2000.
- 8th International Symposium of Scientific Signs in Qur'an and Sunnah, Ministry of Awqaf and Islamic Affairs, Kuwait 2006/Novmber.
- International Conference of Pharmaceutical and Drug Industries Division, Cairo, Egypt, March 8-6, 2007.
- International Conference of Department of Chemistry, University of Rajasthan, Jaipur-302004 (Rajasthan) India.
- Structural Changes in A549 Cells Dry Samples Treated With PM 701 at conference IBB108- FT-IR Spectroscopy as a Tool for Identification of Apoptosis-Induced Isolated Biomolecules and Biomolecular Interaction in Spain from April 13 to 18 2008.
- 4th International Conference of Pharmaceutical and Drug Industries Division National Research Center, Cytotoxic Activity of Bioactive Fraction from PM, Cairo, Egypt, March 3-5, 2009.
- Showcased the invention A NEW ALTERNATIVE MEDICINE CAN CAUSE SELECTIVE CELL DEATH IN CANCER CELLS at the 20th International Invention, Innovation & Technology Exhibition ITEX 2009, Kuala Lumpur, Malaysia held from 15th - 17th May 2009

CONFERENCES AND SYMPOSIUM (Local)

- **1.** E-Learning & e-Health Care Workshop, College of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. April 23rd -24th, 2002.
- 2. Medical Curriculum Development Workshop, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. May 6th 8th, 2002.

- 3. Prepare Examinations Workshop, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. April 29th, 2002
- **4.** On Line Courses, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 20-21,3, 2002
- 5. Paper and Attendance of Saudi Second Scientific Symposium,15th-17th March 2004. KAU. Jeddah.
- 6. Leica Seminar and Workshop, Weston Hotel, Jeddah, Dec 4th, 2004.
- 7. The "Workshop" Means to Implement the Document of Views of Price Abdullah Bin Abdulaziz on Higher Education: 30 Jan-1 Feb. 2005, Attendance and Participate in The Scientific Group.
- 8. Chemistry First Meeting, Center for Teaching & Learning Department, King Abdul-Aziz University- Jeddah, 7march, 2005.
- Oncology Update Evidence Based Medicine, King Faisal Specialist Hospital and Research Center- Jeddah, Oncology Department- Academic& Training Affairs. 1-3/5/2005.
- **10.** Academic Researches Workshop, Center for Teaching & Learning Department, King Abdul-Aziz University- Jeddah , 18 May 2005.
- 11. Academic Meeting with Dr. Osama AL- Taib, Center for Teaching & Learning Department, King Abdul-Aziz University- Jeddah, 6 May 2005.
- **12.** 1st International Saudi Symposium of Pediatric Hematology/Oncology- Prophetic & Alternative Medicine, Day2-Tusday, 22 Nov. 2005.
- 13. Internet Workshop, King Abdul-Aziz University- Jeddah, 25 Nov. 2005
- **14.** Workshop of Some Unique Experience at King Abdul-Aziz University-Jeddah, 29/Nov. 2005.
- 15. Internet Workshop, King Abdul-Aziz University- Jeddah, 30 Nov. 2005.
- **16.** SPSS Workshop, King Abdul-Aziz University- Jeddah, 3-4 Dec. 2005.
- 17. Center Strategy Plane, King Fahd Medical Research Center, 31 Dec. 2005.
- **18.** Introduction to Nanotechnology Workshop, King Abdul-Aziz University- Jeddah, 2 Apr.2006.
- 19. Interviews Committee of New Position in KFMRC, 9 May 2006.
- 20. Workshop of staff upgrading using digital process, ITC. KAU 12 Nov. 2006

- 21. The Annual Learning & Technology Symposium, Effat College, Jan. 13-14, 2007.
- **22.** Nanotechnology Science Date, King Abdul-aziz University, Jeddah, Saudi Arabia. Jan. 19, 2007.
- **23.** Workshop of female group of Signs in Qur'an and Sunnah, Ministry, Jeddah Feb.22, 2007.
- **24.** Training Program of Assessing Students Performance, King Abdul-Aziz University, 31 March-5 Apr. 2007.
- **25.** Active Learning in Engineering and Science, King Abdul-Aziz University, 12-16 May. 2007.
- **26.** Effective Teaching Skills, King Abdul-Aziz University, 28-29 Oct. 2007.
- 27. 3rd Academic Meeting Workshop, King Abdul-Aziz University, 3 Oct. 2007.
- 28. Scientific Research-Should It Be For Promotion Only?, KAH, 4 Nov. 2007
- **29.** 6th GCC Medical Education Conference, KFMRC, 6-7 Nov. 2007.
- **30.** Instruction of Students as Well as Supervision of Research for Master and PhD Degree.
- 31. Biology conference, 10-12 Apr. 2007, Riyadh, Saudi Arabia.
- **32.** Workshop of National Innovation Ecosystem in King Abdul Aziz City For Science And Technology, at Marriott hotel Riyadh 30-Apr. to 2-May. 2008.
- 33. Lecture in the First Workshop of the Prophet Medicine at Intercontinental Hotel Jeddah 29 May. 2008
- **34.** Supervisor of research carried out by Clinical Nutrition Department of 4th year Medical Technology Student that Study the Camel Milk: Can it Improve the Health of Cancer Patients?, 2008
- 35. Participation in the Program of Al-MARSA the 1st Saudi Channel 9 Jan. 2009.
- **36.** Participation & Presentation in Medical Symposium 10 (Alternative Medicine .. Tributary Competitor) built in the Science Departments and Medical Studies, Soad Uni, Riyadh (8-9) Jan. 2009.
- 37. Participation in the First International Conference of E-learning and distance learning by a video clip, Soad University Riyadh in 16-18 Mar. 2009.

- **38.** Audio recording for documentary film (Fazz Men Hayatehe Enjazz) Campaign, for Rekaaz Establishment 2009.
- **39.** Attend the workshop of Project Management, Research and Consulting Institute, King Abdulaziz University, Mar. 2009.
- **40.** Lecture in Mawhobat Center, about Experience with Innovation and Creative Thinking, King Abdul-Aziz University, 31 Mar. 2009.
- **41.** Lecture in The second Meeting for the Exchange of Agricultural Expertise, about Nano-particles in Camels Urine Can Attack Cancer Cells, 4-5 Apr. 2009.
- **42.** Lecture in General Authority for Scientific Signs in the Qur'aan and Sunnah, about Nano-particles in Camels Urine Can Attack Cancer Cells, 4 Apr. 2009.
- **43.** Lecture in the 24th Meeting of Saudi biological Society, Biotechnology: Reality and Application, Madinah Almunawwarah, at Taibah University, about Nano-particles in Camels Urine Can Attack Cancer Cells, 7-9 Apr. 2009.

Research activities

- **2003- 2004**: Principle investigator in research: New Technology For Studying Keloid In Jeddah, No 004/242 Phase One.
- **2004- 2005:** Principle Investigator In Research: New Technology For Studying Keloid In Jeddah, No 004/242 Phase Two.
- **2004- 2005:** Principle investigator in research: A New Alternative Medicine can cause Selective Cell Death in Cancer Cells, no 014/252 Phase one.
- **2005- 2006:** Principle investigator in research: A New Alternative Medicine can cause Selective Cell Death in Cancer Cells, no 014/252 Phase two.
- **2006-2007:** Principle investigator in research: A New Alternative Medicine can cause Selective Cell Death in Cancer Cells, no. 001/472 Phase one.
- **2007- 2008:** Principle investigator in research: Nano Particles in Camel Urine Can Attack Cancer Cells, no n-002/472 Phase one.
- **2008:** Principle investigator in research: A New Alternative Medicine can cause Selective Cell Death in Cancer Cells, no 001/472 Phase two.
- **2008:** Principle investigator in research: Nano Particles in Camel Urine Can Attack Cancer Cells, no n-002/472 Phase two.

2008: The principle investigator in ALZAMEL Scientific Chair for Cancer Researches no "429/3/KBM"

EDUCATIONAL ACTIVITIES

Meeting, Symposium & Courses 1983 / 2009

Year: 2009

- 1. Lecture about Experience with Innovation and Creative Thinking, Mawhobat Center, Khansaa Building, King Abdul-Aziz University, 31 March 2009.
- 2. Participation in the First International Conference of e-learning and distance learning by a video clip, Soad University Riyadh in 16-18 March 2009.
- 3. Attend the workshop of Project Management, Research and Consulting Institute, King Abdulaziz University, March 2009.
- 4. Lecture in the 24th Meeting of Saudi biological Society, Biotechnology: Reality and Application, Madinah Almunawwarah, at Taibah University, about Nano-particles in Camels Urine Can Attack Cancer Cells, 7-9 April 2009.

Year: 2008

- 1. Instruction of Students as Well as Supervision of Research for Master and PhD Degree.
- 2. Supervisor of research carried out by Clinical Nutrition Department of 4th year Medical Technology Student that Study the Camel Milk: Can it Improve the Health of Cancer Patients? 2008.
- 3. Workshop of National Innovation Ecosystem in King Abdul Aziz City For Science And Technology, at Marriott hotel Riyadh 30-4 to 2-5/2008.

Year: 2004-2007

- 1. 6th GCC Medical Education conference, KFMRC, 6-7 November, 2007
- 2. Effective Teaching Skills, King Abdul-Aziz University, 28-29 October, 2007.

- 3. Active Learning in Engineering and Science, King Abdul-Aziz University, 12-16 May, 2007.
- 4. Training Program of Assessing Students Performance, King Abdul-Aziz University, 31 March-5 April, 2007.
- 5. The Annual Learning & Technology Symposium, Effat College, January 13-14, 2007.
- 6. Postgraduate Symposium, Al-Emam Mohammed bin Soud Islamic University, Al-Riyadh, 2-3 May, 2006.
- 7. Workshop of Some Unique Experience at King Abdul-Aziz University-Jeddah, 29 November, 2005.
- 8. Internet Workshop, King Abdul-Aziz University- Jeddah, 25/11/2005
- 9. The "Workshop" Means to Implement the Document of Views of Price Abdullah Bin Abdulaziz on Higher Education: 30 Jan-1 Feb. 2005, Attendance and Participate in The Scientific Group.
- 10. Tissue Culture Training Program and Workshop. Tissue Culture Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia. [CME 72]. 30 June -1 March 2004.
- 11. Effective Teaching Skills, King Abdul-Aziz University, 28-29 Oct, 2007.
- 12. 3rd Academic Meeting Workshop, King Abdul-Aziz University, 3/10/2007.
- 13. Training Program of Assessing Students Performance, King Abdul-Aziz University, 31 March-5 April, 2007.
- 14. Active Learning in Engineering and Science, King Abdul-Aziz University, 12-16 May, 2007.

Year: 2003

- 1. Cooperative Learning Workshop. College of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia.
- 2. Thinking Learning Workshop, College of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia.

- 3. Tissue Culture Training Program and Workshop. Tissue Culture Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia. [CME 72]. 30 June-1 March 2003.
- 4. Tissue Culture Training Program and Workshop. Tissue Culture Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia. [CME 72]. 15 March-17 April2003.
- Tissue Culture Training Program and Workshop. Tissue Culture Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia. [CME 72]. 19 April-17 May 2003.

Total Continuous Medical Education is 72 hours.

Year: 2002

- **1.** Medical Curriculum Development. Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. May 6th 8th 2002 [CME 6].
- **2.** E-Learning & e-Health Care Workshop. Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. April 23rd 24th, 2002 [CME 6].
- 3- Tissue Culture Training Program and Workshop. Tissue Culture Unit, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia. [CME 72]. 200315 Sep-16 Oct 2002

Total Continuous Medical Education is 12 hours.

Year: 1998

- 1. Windows, Computer Course, King Abdulaziz University, Jeddah, Saudi Arabia
- **2.** Academic Network, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia.
- **3.** Preparing for Scholarship Workshop, King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia.

Year: 1994

- **1-** Research Skills Workshop. King Fahd Medical Research Center, King Abdulaziz University, Jeddah, Saudi Arabia.
- **2-** Education Skill Workshop, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia.
- **3-** Evaluation Skill Workshop, King Abdulaziz University, Jeddah, Saudi Arabia.

Year: 1983-1985

- Electron Microscopy Training Program at King Fahd Medical Research Center, King Abdulaziz University, and King Khalid National Guard Hospital, Jeddah, Saudi Arabia. 1984 - 1985.
- **2.** English Course. King Abdulaziz University, Jeddah, Saudi Arabia. 1983 1984.

COMMITTEES: [KAAU]

- 1. 2007 Nominated by the University to cooperate with The National Human Rights
- 2. Member of nanotechnology group in KAAU, 2006- present.
- 3. Reviewer of International research selected by Singapore National Medical Research Council research title: Understanding the bioenergetics of keloid scar formation (06may101/03). Researcher Sit (Wong) Kim Ping .
- 4. Member of (Who's Who in Medicine and Health- Care) Book, 2006; 2007.
- 5. Member of Interview Staff for New Students, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 2006.
- 6. Member of the Committee of the Entrance Exam for Premedical College. 2004; 2005; 2006.
- 7. Head of Islamic Society of Female Students, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 2002-2004
- 8. Head of Social Society of Female Staff, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 2001 2003.

- 9. Member of Interview Staff for New Students, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 1984 1989.
- **10.** Head of Social Society of Female Students, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 1984 -1986.
- 11. Member of the Exam Control Committee, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia. 1983 1998.

AWARD and PATENT:

- 1- 2000 Selected by Saudi Embassy in London as one of the best Saudi Students in UK and Ireland.
- **2-** 2001 finance award by Glasgow University for finishing PhD thesis before official three years.
- 3- 27/9/2004 Patent recorded in King Abdulaziz City of Science and Technology (Kacst) Riyadh No. 04250314
- **4-** 2006 nominated by King Abdulaziz University, Jeddah, Saudi Arabia for the best research of nanotechnology of Association Arab Universities.
- 5- Member of (Who's Who in Medicine and Health- Care) Book, 2006; 2007
- **6-** 2007- Algenadria award for women and science.
- 7- 16/1/2008 Patent recorded in GCC no.9962
- 8- 23/7/2008 Patent recorded in US Patent application No. 12/178,152
- **9-** MBC Award in 2 Feb 2008.
- 10- The 1st honor in Al-Ibtikar exhibition of Saudi Arabia Inventors at Ibtikar 2008
- 11- GOLD Medal in Al-Ibtikar exhibition of Saudi Arabia Inventors at Ibtikar 2008
- 12- The principle investigator in ALZAMEL Scientific Chair for Cancer Researches no "429/3/KBM"
- 13- External Arbitrator For King Abdulaziz & his Companies Foundation for Giftedness and Creativity in Western Exhibition for Science & Engineering, 27 march 2008.
- **14-** ITEX GOLD Medal at the 20th International Invention, Innovation & Technology Exhibition ITEX 2009, Kuala Lumpur, Malaysia . held from 15th 17th May 2009

- 15- Awarded the ASIA CUP 2009 FINALIST at the 20th International Invention, Innovation & Technology Exhibition ITEX 2009, Kuala Lumpur, Malaysia held from 15th - 17th May 2009.
- 16- Patent recorded in Europe Patent Office (EPO), No.09162954.3 at 17/6/2009.
- 17- Patent recorded in Chinese Patent office (SIPO), No. 200910168793.7 at 3/9/2009.

Posters:

- **1-** Experimental Biology Online- Cell Engineering Hirottwatt University, Edinburgh, Scotland, UK. 1999.
- 2- Tissue Engineering at Nottingham University, England, UK, 2000
- **3-** 1st International Saudi Symposium of Pediatric Hematology/Oncology- Prophetic & Alternative Medicine, Day2-Tusday, 22 November, 2005.
- **4-** Phytochemical composition of *Plectranthus tenuiflorus*, *Euryops arabicus* and *Clutia myricoide* extracts and study some of its medical applications, International Conference of Pharmaceutical and Drug Industries Division, Cairo, Egypt, March 8-6, 2007.
- 5- Science and Technology in 21st Century, December 16-19,2006, *Organized by* Department of Chemistry, University of Rajasthan, Jaipur-302004 (Rajasthan) India.
- **6-** Phytochemical Analysis and Biological Screening of Leaf Extracts from *Clutia myricoides*, Biology conference, 10-12 April, 2007, Riyadh, Saudi Arabia.
- 7- FT-IR Spectroscopy as a Tool for Identification of Apoptosis-Induced Structural Changes in A549 Cells Dry Samples Treated With PM 701 at the IBBI08 Isaoland Biosocial Interaction Conference authored by G.A.Raouf ,F.A.khorshid and T.kumosani. From 13 April to 18 .2008 in (Spain).
- **8-** FT-IR Spectroscopy as a Tool for Identification of Apoptosis-Induced Structural Changes in A549 Cells Dry Samples Treated With PM 701 at ICON008 King Abdulaziz University, Jeddah in June 17 2008.
- 9- 4th International Conference of Pharmaceutical and Drug Industries Division National Research Center, Cytotoxic Activity of Bioactive Fraction from PM, Cairo, Egypt, March 3-5, 2009.