### Professor Arjumand Warsy

[ KSU web page: <http://faculty.ksu.edu.sa/52876/default.aspx>

Google scholar web page: <https://scholar.google.com/citations?user=ihhI82MAAAAJ&hl=en>

Citations: 2325; H index= 25

Ranking of scientists in Saudi Institutions according to their Google Scholar Citations public profiles <http://www.webometrics.info/en/node/81> 101 of 1749

LinkedIn: <https://sa.linkedin.com/pub/arjumand-warsy/19/66/8aa>

Researchgate RG score: 34.73 <http://www.researchgate.net/profile/Arjumand_Warsy2/stats>

### Curriculum Vitae

##

**(A) Personal information**

NAME: Arjumand Sultan Warsy

NATIONALITY: British /Pakistani

MARTIAL STATUS: Married (widowed)

NO. OF CHILDREN: Two

PRESENT STATUS/: Professor of Biochemistry,

ADRESS College of Science,

 King Saud University,

 Department of Biochemistry

 P.O.Box 22459,

Riyadh, 11495, Saudi Arabia.

aswarsy@ksu.edu.sa

aswarsy@yahoo.com

LANGUAGES: Mother tongue: **Urdu**

**English:** Excellent (Speaking, reading and writing)

**Arabic:** Average (Speaking, reading and writing)

TITLE: Professor

PLACE OF BIRTH: Meerut

SEX: Female

RELIGION: Islam

**(B) Academic Qualifications**

**1. Ph.D.** 1974

 Department of Applied Biochemistry & Nutrition

 University of Nottingham, U.K.

  **Title of Thesis**

 Study of proteinase inhibitors in seeds of *Vacia faba* (L) (Broad Bean)

2.  **M.Sc.** 1968

 Department of Biochemistry,

 University of Peshawar, Peshawar, Pakistan.

  **Project Title:**

 Biochemical analysis of Maxi‑Pak Indus variety wheat.

3.  **B.Sc.** 1966

 St. Joseph College, Karachi University,

 Karachi, Pakistan.

 **(C) Positions Held**

1. Professor, Department of Biochemistry,

 College of Science, Sciences & Medical Studies,

Department for Women Students, King Saud Univer­sity,

Riyadh. 1991-todate

2. Associate Professor, Department of Biochemistry,

 College of Science, Sciences & Medical Studies,

Department for Women Students, King Saud Univer­sity, Riyadh.1985-1991

3. Assistant Professor, Department of Biochemistry,

 College of Science, Sciences and Medical Studies,

 Department for Women Students, King Saud Univer­sity,

Riyadh, Saudi Arabia 1981-1985

4. Assistant Professor, Department of Biochemistry,

 College of Medicine, Sciences and Medical Stu­dies

 Department for Women Students, King Saud University,

Riyadh, Saudi Arabia. 1977-1981

5. Post‑doctoral Research Associate,

 Department of Biochemistry, University of Bir­mingham,

 Birmingham, U.K. 1973‑1975

6. Commonwealth Scholar

 Department of Applied Biochemistry and Nutrition

 University of Nottingham, Nottingham, U.K. 1970‑1973

7. Lecturer,

 P.A.F. College, Peshawar, Pakistan. 1968‑1970

 **(D) Administrative Responsibilities**

1. Vice Head (Wakila), Department of Biochemistry (Female Section) College of Science, Sciences and Medical Stu­dies

 Department for Women Students, King Saud University,

 Riyadh, Saudi Arabia. 1990-1994

2. Coordinator, Female Section of Biochemistry,

 College of Medicine, Sciences and Medical Stu­dies

 Department for Women Students, King Saud University,

 Riyadh, Saudi Arabia. 1979‑1981

3. Head, Chemistry Section,

 P.A.F. College, Peshawar, Pakistan. 1969‑1970

 **(E) Professional Affiliation**

1. Member, The Biochemical Society, U.K.

2. Member, American Association of Clinical Biochemistry, USA

3. Member, New York Academy of Sciences, USA.

4. Fellow, International Research in Science and Technology.

5. Fellow, National Academy of Clinical Biochemists, USA.

6. Member, Thalassaemia International Federation.

7. Member, Research Board of Advisors, The American Biographical Institute, USA.

 **(F) Scientific Fellowships**

**FACB** : Fellow of the National Academy of Clinical 1987

 Biochemists)

 **(E Awards**

1. President’s Award 2008. – Best Teacher in King Saud University
2. Dean’s Award 2008- – Best Teacher in King Saud University
3. Chairman’s Award 2008 - Best Teacher in King Saud University
4. Nominated for 2004 L’OREAL-UNESCO Awards for Women in Science.
5. Honoured Reviewer for Saudi Medical Journal, 2000.
6. Awarded the 20th Century Award of Achievement in the field of Biochemistry and Genetics, by International Biographical Centre, Cambridge, England.
7. Member, Research Board of Advisors, The American Biological Institute, USA.
8. First class first position for M.Sc degree at Department of Biochemistry, University of Peshawar, Pakistan.
9. Awarded Commonwealth Scholarship to study for Ph.D degree in 1970-73.

 **(G) Conferences/Symposia/Workshops Attended**

***Conferences/Symposia/Meetings***

1. Second Bioinformatic Research Scientific Meeting, King Saud university, (BioSM-KSU), Riyadh, Saudi Arabia, 4th May 2015
2. 2nd International Conference on Epidemiology & Evolutionary Genetics. August 18-19, 2014 Beijing, China
3. “5th International Conference on Biomarkers & Clinical Research” April 15-17, 2014. University of Oxford, UK
4. International conference on islamisation of modern science and scientification of the studies in islamic revealed knowledge. Kulliyyah of Science, International Islamic University Malaysia, Bukit Gambang Resort City, Kuantan, 3-4 December, 2013.
5. European Genetic Conference, Paris, France, 8-11 June 2013
6. Women’s Higher Education Symposium: Growth to Competition. KSU. 13-14 Jan 2013
7. Research Groups: Current Status and Prospects 24 Feb 2013
8. The 2nd Annual Forum for University Teaching, KSU, Riyadh, 9-12 Feb 2013
9. Workshop on Protein Purification. KFMC and Protein Chair. 11 Jan 2012.
10. Saudi Hypertension Conference 2010. Jeddah, Saudi Arabia.
11. “The Thalassaemia day’. College of Allied Health Science, King Saud University, Riyadh, Saudi Arabia. May, 2009.
12. “The Thalassaemia day’. College of Science, King Saud University, Riyadh, Saudi Arabia. May, 2009.
13. 24th Meeting of Saudi biological society, Biotechnology: Reality and Application, Madinah Almunawwarah, at Taibah University, 12-14 Rabia Althani, 1430 H (7-9 April, 2009).
14. International Conference on Nanotechnology. (ICNI). Riyadh, Saudi Arabia. April 4-7, 2009
15. “International Workshop on Advanced Materials – IWAM 2009” Ras Al Khaimah, United Arab Emirates. February 22-24, 2009.
16. The First International Conference in Biotechnology (Towards knowledge-based economy) 16-18 February 2009. Center of Excellence in Biotechnology. King Saud University. Riyadh. Saudi Arabia.
17. Nanostructured Advanced Materials. University of Jordan in Amman. National Foundation Washington DC. 10-14 November. Amman, Jordan
18. The Nano day. Center for Science and Medical Studies for girls, King Saud University, Riyadh, Saudi Arabia 2008
19. Advanced Cell Biology Course. King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia. 15-18 October 2008.
20. No to Food Poisons. Saudi Arabian Food and Drug Association (SA-FDA). Prince Salman Center for Social Welfare, Riyadh, Saudi Arabia. 29 October 2008.
21. Invited lecture. Harvard School of Public Health. Boston. USA. July 2008.
22. International Conference on Nanotechnology : Opportunities and Challenges, King AbdulAziz University, Jeddah. (June 17-19, 2008)
23. The ‘’Muntaqa Ilmi ‘ (Scientific Center) of Sciences and Medical Studies for Girls. King Saud University, King Saud University, Riyadh, Saudi Arabia. January 2006.
24. Symposium and Workshop on Molecular Genetics in Medicine. 21st December 2005. King Faisal University, Al-Khobar, Saudi Arabia.
25. Conference on Molecular Biology and Environmental factors in Health and Disease. 27-28 April 2005. The Egyptain Society of Biochemistry and Molecular Biology (ESBMB), Ain Shams University, Cairo, Egypt.
26. The Fourth Medical Conference of Arabian Gulf. 12-14 March 2005. Saudi Council for Health Specialities King Fahd Conference Center, Riyadh, Saudi Arabia
27. International Symposium on Sickle cell disease- Review and update. 2-3 October 2004. Armed Forces Hospital, Southern Region, Saudi Arabia
28. 9th Symposium on Genetics in Health and Disease, “Status, Implicit and Implications for the Individual and Community. College of Medicine, King Saud University, Riyadh, Saudi Arabia. 2004
29. Symposium on Haemoglobinopathies and Thalassaemias. April 2004. King Faisal Specialist Hospital and Research Center. Riyadh. Saudi Arabia.
30. Current Trends in Inherited Hemolytic Anaemias, 10-11 December 2003, King Faisal University, Al-Khobar.
31. The First GCC Genetic Conference, Bahrain, 5-7 October 2003
32. 8th Symposium on Genetics in Health and Disease- Status, Implicit and Implications for the Individual and the Community, 2-4 November 2003, College of Medicine Riyadh, Saudi Arabia.
33. Symposium on Recent Advances in Clinical Genetics and Mitochondrial Disorders. 17-19 March, 2003, Riyadh, Saudi Arabia.
34. 8th Symposium on Genetics in Health and Disease, “Status, Implicit and Implications for the Individual and Community”. 2-4 November, 2002, Riyadh, Saudi Arabia.
35. Seventh Symposium on Modern Technology and its Impact on Man and the Environment. 1-2 April 2002, Riyadh, Saudi Arabia.
36. First Regional Symposium on Ethical and Genetic Counselling Issues. 13-14 November 1999, Riyadh, Saudi Arabia
37. Symposium on “Environment and Health”. Research Centre, Department of Women Students – Sciences & Medical Studies. April 1998, Riyadh, Saudi Arabia.
38. The First Gulf Symposium on Genetic Disorders. 25-26 November, 1997, Riyadh, Saudi Arabia.
39. Symposium on Genetic Diseases in Arab Populations - A Wealth of Indicative Information. 23-24 November, 1997, Riyadh, Saudi Arabia.
40. The Fourth Symposium on Food in Health and Disease. Research Center, Women Students - Sciences and Medical Studies Section. 9-12 March, 1997, Riyadh, Saudi Arabia.
41. Symposium on Human Genetic Diversity in Health and Disease, Riyadh, Saudi Arabia. 16-17 November, 1996
42. Symposium on `Inborn Errors of Metabolism', Riyadh, Saudi Arabia, 23-25 January, 1995.
43. Symposium on `The Epidemiologic Transition/Transaction and Health in Developing Countries', Riyadh, Saudi Arabia, 27-29 November, 1994
44. Symposium on `Medical Genetics in the Setting of Middle Eastern Populations' Riyadh, Saudi Arabia, 26-28 October, 1993.
45. National Meeting of the American Association of Clinical Chemistry, New York, U.S.A., 11-15 July 1993.
46. Symposium on Blood Genetic Disorders - Pathophysiology and Management, Riyadh, Saudi Arabia, 18-20 April, 1992.
47. 6th Annual Pediatric Symposium, Riyadh, Saudi Arabia, 8-9 February, 1992.
48. International Congress on Genetic Diseases of Hemoglobin, Nice, France, 6-8 November 1991.
49. Symposium on `DNA Technology and Genetic Engineering in Human Diseases, College of Medicine, King Saud University, Riyadh, Saudi Arabia, 13‑14 March, 1990.
50. Symposium on `Essential Immunology in Clinical Medicine', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 6‑7 March, 1990.
51. Second Annual Symposium on Advanced Medicine, Riyadh Armed Forces Hospital, RKH Programme, Riyadh, Saudi Arabia, 17-19 September 1989.
52. Symposium on `Gastroenterology and Hepatology', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 26‑28 February, 1989.
53. 4th Annual Paediatric Symposium, King Fahad National Guard Hospital, Riyadh 26‑27 March, 1987.
54. Symposium on `Genetic Diseases in Saudi Arabia', National Security Hospital, Riyadh, Saudi Arabia, April, 1987.
55. Symposium on `Recent Advances in Pathology and Molecular Biology', Riyadh Armed Forces Hospital, Riyadh, Saudi Arabia 1‑2 February, 1987.
56. 19th Meeting of Biochemical Society , 1986, Camb­ridge, U.K.
57. First Symposium on `Haemoglobinopathies, Thalassaemias and Enzymopathies', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 1‑3 May, 1984.
58. 8th Saudi Medical Meeting, 30 October ‑ 3 November, 1983, Riyadh, Saudi Arabia.
59. Symposium on `Oncology', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 6 March. 1983.
60. Symposium on `Infertility', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 9 January, 1983
61. Symposium on `Diabetes', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 28 November, 1982
62. 7th Saudi Medical Meeting 3‑6 May, 1982, Dammam, Saudi Ara­bia.
63. 6th Saudi Medical Meeting 15‑18 March, 1981, Jeddah, Saudi Arabia.
64. Course on `Separation Techniques and their application. Pharmacia, 31 January ‑ 8 February, 1981, Riyadh, Saudi Arabia
65. The Undergraduate Medical Curriculum Relevance to the needs of Saudi Arabia, 12‑16 May, 1980, Riyadh, Saudi Arabia.
66. 5th Saudi Medical Meeting 29 April ‑ 1 May, 1980, Riyadh, Saudi Arabia.

***Workshops/Course***

1. International Workshop on Advanced Materials – IWAM 2009” Ras Al Khaimah, United Arab Emirates. February 22-24, 2009.
2. The First International Conference in Biotechnology (Towards knowledge-based economy) 16-18 February 2009.
3. Nanostructured Advanced Materials. University of Jordan in Amman. National Foundation Washington DC. 10-14 November. Amman, Jordan
4. International Symposium on Technology Transfer Innovation Management and Patent Workshop. 23-24 November 2008 King Saud University, Riyadh, Saudi Arabia.
5. Saudi Arabian Food and Drug Association (SA-FDA). Prince Salman Center for Social Welfare, Riyadh, Saudi Arabia. 29 October 2008.
6. Advanced Cell Biology Course. King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia. 15-18 October 2008
7. Nano Program. King Fahad Center for Nanotechnology. King Saud University. Riyadh, Saudi Arabia. June 2008
8. The Nano day. Center for Science and Medical Studies for girls, King Saud University, Riyadh, Saudi Arabia 2008
9. The Seventh Saudi School on Human Molecular Genetics. 3-7.December 2005. College of Medicine, King Saud University, Riyadh, Saudi Arabia
10. Work Shop on Research Methodologies. Center for Science and Medical Studies for Girls. King Saud University, Riyadh, Saudi Arabia. 2005.
11. The Sixth Saudi School on Human Molecular Genetics. 13-18 March 2004, College of Medicine, King Saud University, Riyadh, Saudi Arabia.
12. The Fifth Saudi School on Human Molecular Genetics. 24-31 October, 2002, College of Medicine, King Saud University, Riyadh, Saudi Arabia.
13. Genetics for All – Partnership in Action [Training Course and Update Workshop]. 16-23 November, 2000, Riyadh, Saudi Arabia.
14. First Regional Workshop (Training on Ethical and Genetic Counselling Issues. 16-18 November, 1999, Riyadh, Saudi Arabia.
15. W.H.O./K.S.U. Workshop on Ethical and Genetic Counselling Issues in the Region (Guidelines), 15-16 November, 1999. Riyadh, Saudi Arabia.
16. Workshop on Flow Cytometry. King Faisal Specialist Hospital & Research Centre, Riyadh, February 1999.
17. The Fourth Saudi School on Human Molecular Genetics, College of Medicine, King Saud University, Riyadh, Saudi Arabia. 28 November - 3 December, 1998.
18. The Third Saudi School on Human Molecular Genetics, College of Medicine, King Saud University, Riyadh, Saudi Arabia. 27 November - 3 December, 1997
19. The Second Saudi School on Human Molecular Genetics, College of Medicine, King Saud University, Riyadh, Saudi Arabia. 18-21 November, 1996.
20. The First Saudi School on Human Molecular Genetics, College of Medicine, King Saud University, Riyadh, Saudi Arabia, 9-16 November, 1995.
21. The Third Regional Workshop on Blood Genetic Disorders for (i) Health Care Team, and (ii) Patients. College of Medicine, King Saud University, Riyadh, Saudi Arabia 4-9 November, 1995.
22. The Second Regional Workshop on (1) Clinical & (2) Laboratory Aspects of Red Cell Genetic Disorders. College of Medicine, King Saud University, Riyadh, Saudi Arabia, 7-21 April, 1994.
23. The First Regional Workshop on (1) Clinical and (2) Laboratory Aspects of Red Cell Genetic Disorders. College of Medicine, King Saud University, Riyadh Saudi Arabia, 10-21 April, 1993.
24. The First Postgraduate Course on the Laboratory Diagnosis of Blood Genetic Disorders, College of Medicine, King Saud University, Riyadh, Saudi Arabia, 25-29 April, 1992.
25. Workshop on Medical Education "Undergraduate Medical Curriculum - An appraisal", College of Medicine, King Saud University, Riyadh, Saudi Arabia, 23-28 February, 1989.
26. Workshop on `The Assessment of Clinical and Practical Skills', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 24‑26 January, 1984.
27. Workshop on `An Overview of Medical Education', College of Medicine, King Saud University, Riyadh, Saudi Arabia, 21‑23 January, 1984.
28. Epidemiology Workshop, College of Medicine, King Saud Uni­versity, Riyadh, Saudi Arabia, 15‑17 January, 1984
29. Epidemiology Workshop, Saudi Medical Journal, Riyadh, Saudi Arabia, 16‑18 January, 1983

 **(G) Other Activities**

***A. Committees***

1. Member, Curriculum Committee

Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

King Saud University, Riyadh, Saudi Arabia. 2007-2013

1. Member, Accreditation Committee, King Saud University, Riyadh, Saudi Arabia, 2009- 2010
2. Member, Demonstrators Committee,Department of Biochemistry, College of Science, Sciences & Medical Studies Department for Women Students, King Saud University, Riyadh, Saudi Arabia. 2007-2014
3. Member, Postgraduate Committee

Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

King Saud University, Riyadh, Saudi Arabia. 2007-2014

1. Member, Laboratory Committee,

 Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

King Saud University, Riyadh, Saudi Arabia. 1999-2013

1. Member, Examination Committee

 Biochemistry Section, College of Medicine,

 Sciences and Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1977-1981

1. Co-ordinator, Community Services Committee

Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

King Saud University, Riyadh, Saudi Arabia. 2007-2014

1. Academic Advisor

 Department of Biochemistry, College of Science,

 Sciences and Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1985-todate

1. Member, Curriculum Committee

 Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1985-2006

1. Member, Library and Higher Studies Committee,

 Department of Biochemistry, College of Science,

 Sciences & Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1985-2014

1. Member, Curriculum Committee

 Biochemistry Section, College of Medicine,

 Sciences and Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1979-1981

1. Member, Equipment Committee

 Biochemistry Section, College of Medicine,

 Sciences and Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1979-1980

***B. Boards***

1. Secretary, Departmental Board

 Department of Biochemistry, College of Science,

 Sciences and Medical Studies Department for Women Students,

 King Saud University, Riyadh, Saudi Arabia. 1989-1990

2. Member, Board of Academic Supervision,

 College of Science, Sciences and Medical Studies

 Department for Women Students, King Saud Univer­sity.

 Riyadh, Saudi Arabia. 1983-1986

3. Secretary, Biochemistry Section,

 College of Medicine, Sciences & Medical Depart­ment

 for Women Students, King Saud University,

 Riyadh, Saudi Arabia. 1979-1981

***C. Involved in the Organization of the following symposia/Conferences***

1. Member of the organising committee. 2nd International Conference on Epidemiology & Evolutionary Genetics, August 18-19, 2014 Beijing, China
2. 9th Symposium on Genetics in Health and Disease, “Status, Implicit and Implications for the Individual and Community. College of Medicine, King Saud University, Riyadh, Saudi Arabia. November 2004
3. 8th Symposium on Genetics in Health and Disease, “Status, Implicit and Implications for the Individual and Community”. College of Medicine, King Saud University, Riyadh, Saudi Arabia, 2-4 November, 2002.
4. First Regional Symposium on Ethical and genetic Counselling Issues, to be held on 13-14 November, 1999, Riyadh, Saudi Arabia.
5. The First Gulf Symposium on Genetic disorders. 25-26 November, 1997, Riyadh, Saudi Arabia.
6. Symposium on Genetic Diseases in Arab Populations - A Wealth of Indicative Information. 23-24 November, 1997, Riyadh, Saudi Arabia.
7. Symposium on Human Genetic Diversity in Health and Disease, 5-6 Rajab 1417 (16-17 November 1996), College of Medicine, King Saud University, Riyadh, Saudi Arabia.
8. Symposium on The Epidemiological Transition/Transaction and Health in Developing Countries, 24-26 Jumada II 1415 (27-29 November 1994)
9. Symposium on The Medical Genetics in the Setting of Middle Eastern Populations, 11-13 Jumada I 1414 (26-28 October 1993)
10. Symposium on Blood Genetic Disorders: Pathophysiology and Management, 15-17 Shawwal 1412 (18-20 April 1992)
11. Symposium on DNA Technology & Genetic Engineering in Human Diseases, 16-17 Shaban 1410 (13-14 March 1990)

***D. Involved in the Organization of the following Courses/Workshops***

1. The Sixth Saudi School on Human Molecular Genetics. 13-18 March, 2004, Riyadh, Saudi Arabia.
2. The Fifth Saudi School on Human Molecular Genetics. 24-31 October, 2002, Riyadh, Saudi Arabia
3. Genetics for All – Partnership in Action [Training Course and Update Workshop]. 16-23 November, 2000, Riyadh, Saudi Arabia.
4. First Regional Workshop (Training) on Ethical and Genetic Counselling Issues, to be held on 16-18 November, 1999, Riyadh, Saudi Arabia.
5. The Fourth Saudi School on Human Molecular Genetics, Riyadh, Saudi Arabia. 28 November - 3 December, 1998.
6. The Third Saudi School on Human Molecular Genetics, Riyadh, Saudi Arabia. 27 November - 3 December, 1997.
7. The Second Saudi School on Human Molecular Genetics, 7-10 Rajab 1417H (18-21 November, 1996), College of Medicine, King Saud University, Riyadh, Saudi Arabia
8. The First Saudi School on Human Molecular Genetics, 16-23 Jumada II, 1416 (9-16 November 1995)
9. The Third Regional Workshop on Blood Genetic Disorders for (i) Health Care Team and (ii) Patients, 11-16 Jumada II, 1416 (4-9 November 1995)
10. The Second Regional Workshop on (1) Clinical & (2) Laboratory Aspects of Red Cell Genetic Disorders, 26 Shawal - 10 Dhul Qada 1414 (7-21 April 1994)
11. The First Regional Workshop on (1) Clinical & (2) Laboratory Aspects of Red Cell Genetic Disorders, 18-29 Shawal 1413 (10-21 April 1993)
12. First Postgraduate Course on the Laboratory Diagnosis of Blood Genetic Disorders, 22-26 Shawal 1412 (25-29 April 1992)

***E. Research and Research Related Activities***

 **(a) Principal Investigator in the following projects:**

 1. a1‑antitrypsin phenotypes in healthy and diseased Saudis.

 2. Protein polymorphism in Saudis (Financed by RCMSSS).

3. "Biochemical and genetic studies on frequently encountered genetic diseases in Saudi Arabia".

4. Consanguinity and preterm delivery: Role of polymorphism and expression of *COL5A2* and *COL5A1* genes

 **(b) Co‑Investigator in the following projects:**

1. α1‑antitrypsin in patients with bronchiectisis. (Financed by CMRC, King Saud University, Riyadh).

2. Aspects of human haemoglobins and haemoglobinopathies in the Arabian Peninsula (Financed by KACST, Riyadh) - 1982 - 1993.

3. A study of 'Diabetes Mellitus' in Saudi Arabia (Financed by Ministry of Health and KACST, Riyadh) - 1991 - 1994.

4. Applications of Recombinant DNA Technology in Medicine- On the Look for Genetic Markers for Non-communicable Disease. 1999

5. Genetic Characterization of Haemoglobinopathies in Saudi Arabia (KFSH &RC)

1. Genetic variations of ADAM33 in normal versus asthmatic Saudi patients.Dr Bazzi
2. Investigating the deregulation of toll-like receptors, pro-inflammatory cytokines and cationic peptides by tobacco smoke and its role in promoting oral cancer in humans. (Dr Semlali- KACST)

**(c) Supervisor of the Following Masters (M.Sc.) Research Projects in Biochemistry**

1. Preterm delivery in Saudi females: Role of polymorphism and expression of *COL5A1* gene (Bashiar AlMary, in progress)
2. Polymorphisms in BRCA1 & TP53 Genes and Ovarian Cancer risk in females living in Saudi Arabia (Nora al yahri- 2014)
3. Polymorphism and expression of aromatase gene in Saudi colon cancer patients. (Ms Fatima Mkinzy-2014)
4. DNA Repair Gene Polymorphisms and Susceptibility to Breast Cancer in Saudi Females. Sahar Tulba (2013).
5. Relationship between polymorphisms in selected DNA repair genes and susceptibility to breast cancer in Saudi females (Ms. Alaa Mohammad Ali-(2013)
6. Post-transcriptional regulation of selected chemokines in cell differentiation and cancer. Fatima Alanazi (2013)
7. The impact of CYP2D6 genotype on Tamoxifen Metabolism in Saudi Breast Cancer Patients. (Ms. Yusra Zainal Abideen) 2012
8. Case Control Study of Asthmatic Patients for *IL13*, *FceRβ* and *IL4Rα* Polymorphisms in the Saudi Population (Ms. Eman AbdusSalam) 2010.
9. Genetics of retinoblastoma in Saudis. (Ms. Laila Al Mutib 2011)
10. Genotype–phenotype correlation in Saudi β- thalassaemia patients. (Ms. Tehani AsShehri 2011)
11. Study of leptin is pre- and post menopausal Saudi females (Ms Nashwa Shafiq), 2004)
12. Mutations in leptin receptor gene in obesity – a study in Saudis (Ms Maha Sulaiman 2004)
13. Variations in leptin levels in relation to other pregnancy hormones during pregnancy in Saudi females (Ms Fatima Al Atawi) 2003.
14. Diagnosis of Leischmaniasis in Saudi population using Polymerase Chain Reaction (Ms AlBandri Al Bakhait), 2002
15. The levels of electrolytes in critically ill patients (Ms Amal Abu Makaram),1999.
16. A study of cortisol lipids and lipoproteins in crticially ill patients (Ms. Abeer Halawani), 1999.
17. The prognostic value of some hormonal and biochemical parameters in critical illness (Ms May Al Mohaisen). December, 1998.
18. A study of a1 antitrypsin in health and disease in Saudi population. (Ms Haifa Al Mubarak), 1995.
19. Study of the molecular basis of glucose-6-phosphate dehydrogenase deficiency in Saudis (Ms Nada Tasaan), 1995.
20. A study of lipids, lipoproteins and apolipoprotein in Saudis (Ms Mona Khames Al-Dosary ), 1994

 **(d) Co-Supervisor of the following Master (M.Sc.) Research Projects in Biochemistry**

1. Role of maternal-fetal proinflammatory cytokine genes polymorphism in preterm birth. Nada As Sayari (in progress)
2. The role of RAD51 and BRCA2 genes in colorectal cancer progression among Saudi population. (Ms. Manar Fahim- in progress)
3. Innate immunity and ovarian cancer: Investigating the deregulation of Toll-Like Receptors (TLRs) Yasmeen Alanazi (June 2014)
4. Polymorphisms in Heat Shock Factor 1 (HSF1) in Saudi Breast cancer. Sahar Mohammed Al-Motwaa (June 2014)
5. Genetic variant of IL-4 , ADAM33 and ORMDL3 genes in asthmatic Saudi population (Ms. Arwa AlKhayat) 2011
6. Sickle cell gene and awareness about sickle cell disease in Saudi females. (Ms. Dallal Shea- 2007).
7. A study of Lp(a) in patients cardiovascular diseases (Ms Rihab Nooh), May, 1998.
8. **Co-supervisor of the following Ph.D. Research Projects in Botany/Zoology:**

 1. Physiologicaly study of Rumex Vesicarius (L)

 (Ms May Mohammed Al-Rumaih) 2001

1. Study of the effect of Cadmium on Cowpea in presence and absence of gilberallic acid (Ms Mona Mohamed Al-Rumaih). 2001
2. Cytokine gene polymorphism in recurrent spontaneous abortion in Saudi Women. (Afrah) 2012.
3. **Reviewer for scientific papers submitted for publications to different International Journals**

Reviewed a large number of manuscripts and projects for various scientific journals and organization, including:

1-Biomedcal Central

2- Human Immunology

3- African Health Sciences

4-Annals of Saudi Medicine

5-Saudi Medical Journal

6- Journal of Saudi Chemical Society

7- Sultan Qaboos University Medical Journal

8- Oncotargets and therapy

9- Disease Markers

1. **Editorial Board Member:**

Member, Editorial Board and Advisory Board, The Arab Journal of Forensic Sciences & Forensic Medicine (AJFSFM), Saudi Arabia. College of Forensic Sciences, Naif Arab University for Security Sciences (NAUSS), Riyadh – Kingdom of Saudi Arabia. 2013- to date

1. **Consultant. Research Center, Center for Science and medical Studies for Girls, KSU, Riyadh.**
2. **Reviewer for Projects submitted to King Abdulaziz City for Science and Technology and other Organisations**.
3. **Teaching Experience**

Over 35 years of experience in teaching Biochemistry and Molecular Genetics to undergraduate and postgraduate studies:

1. Topics taught to undergraduate students of College of Medicine at KSU, Riyadh.

- The entire biochemistry course offered to the students of medicine.

 - The entire course on molecular genetics

1. Topics taught to undergraduate students of Dentistry:

- The entire biochemistry course offered to the students of dentistry.

1. Topics taught to undergraduate students of Allied Health Sciences (Nursing).

- The entire biochemistry course offered to the students of Nursing

1. Topics taught to undergraduate science studies include:
* Biomolecules
* Enzymology
* Mechanism of enzyme action
* Metabolism (carbohydrate, protein and lipids)
* Integration of metabolism
* Plant biochemistry
* Foreign substance metabolism
* Physical biochemistry
* Food analysis
* Molecular biology
* Immunology
* Endocrinology
* Biomembrane
* Tissue metabolism
* Basic Bioinformatics
1. Topics taught to postgraduate students of science:
* Molecular biology
* Recent advances in metabolism
* Inborn errors of metabolism
* Blood biochemistry
* Mechanism of enzyme action
* Protein targetting
* Research Methodologies

6. Topics presented during various Postgraduate Workshops:

* Introduction to human genetics
* Mode of inheritance in man
* Introduction to human chromosomes
* Chromosome – gene – protein relationship
* Mutagenesis and nature of mutations
* Molecular basis of genetic diseases
* Population genetics
* Molecular basis of cancer
* Molecular basis of multifactorial disorders
* Genetic diversity of immune system
* Genotype-phenotype correlation and gene frequencies
* Molecular epidemiology and genetic markers.
* Genetic basis of disability.
* Genetic engineering.
* Factors affecting frequency of genetic disorders.
* Treatment of genetic diseases.
* Gene therapy.
* Haemoglobinopathies– diagnosis and molecular pathogenesis.
* Thalassaemia- diagnosis and molecular pathogenesis.
* Enzymopathies – diagnosis and molecular pathogenesis.

 **Professor Arjumand Warsy**

 **List of Publications**

**Books:**

1. El-Hazmi M.A.F ; **Warsy A.S.** A overview of Molecular Genetics. [under publication] 2013
2. El-Hazmi M.A.F. **Warsy A.S.** Babay Z.H. Application of Recombinant DNA Technology in Medicine- On the look for Genetic Markers for Non-communicable Disorders. King Abdul aziz City for Science and Technology Press, Riyadh, 2011.[ISBN: ]
3. El-Hazmi M.A.F; Al-Swailem A.R; **Warsy, A.S**. A study of Diabetes mellitus in Saudis. King Abdul aziz City for Science and Technology Press, Riyadh, 2004. [ISBN: 9960-724-80-8]
4. El-Hazmi, M.A.F. Abduljabbar, FA; Al-Faleh, FZ; Al-Swailem, AM; Bahakim HM; Al-Swailem AA; **Warsy, A.S.** Aspects of Human Haemoglobin and Haemoglobinopathies: Genetics in the Arabian Peninsula- Studies of Population, Molecular Genetics and the Development of Clinical and Control Strategies. King Abdul aziz City for Science and Technology Press, Riyadh, 2004. [ISBN: 9960-893-15-4

**Chapter in Book:**

1. El-Hazmi, M.A.F. and **Warsy, A.S.** (1996). Hemoglobinopathies in Arab Countries. In: **Genetic Disorders among Arab Populations**. Ahmed S. Teebi and Talaat I. Farag (eds), Oxford Monographs on Medical Genetics No. 30. Oxford University Press, New York. pp 83-110
2. El-Hazmi, M.A.F., **Warsy, A.S.** and Al-Fawaz, I. (1995). The pituitary-thyroid-gonadal axis in Saudi ß-thalassaemia patients. In: S. Ando et al. (Eds). Endocrine Disorders in Thalassaemia. Springer-Verlag, Berlin Heidelberg pp 145-146.
3. Warsy AS and EL-Kenawy AE.  "DNA repair genes and cancer development" in “**Horizons in Cancer Research”.** NOVA (2015)

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1. AL Abdulsalam E.A, Al-Hajjaj M.S., Alanazi M.S., **Warsy, A.S**., Lack of association between *IL13, IL4Rα* and *MS4A2* gene polymorphisms and asthma in adult Saudis-a pilot study. (in communication)
2. Alanazi YF, Alanazi M; Warsy AS; Semlali AH, Innate immunity and ovarian cancer: investigating the role of Toll-like receptors. (in communication)
3. Alkhuriji A, Alhimaidi A, Babay Z, **Warsy A**, The Association between recurrent pregnancy loss of unknown etiology and IFN-γ, TNF-α and IL-β among Saudis (in communication)
4. Al-Sulaiman, M, Habib Z, Halawani, M, Addar M, **Warsy A.S.** Leptin receptor gene pentanucleotide polymorphism in Saudis (I Communication)
5. AlShehri T, Al Jefri A, AlMomen AK, Shinwari J, Bakheet D, AlAnazi M, **Warsy A** and Al Tassan N (2013). Characterization of beta-Thalassemia Mutations in Saudi Patients. (in Communication).
6. Fatimah Basil al-Mukaynizi1, Mohammed Alanazi2, Sooad Al-Daihan3, Narasimha Reddy Parine4, Majid Almadi5, Shaheerah Asiri6, Jilani Shaik7, Abdullah al Amri8, Arjumand Warsy9. *CYP19A1* gene polymorphism and colorectal cancer etiology in Saudi population: case-control study. (In communication)
7. Alanazi M, Alabdulkarim HA, Shaik JP, Al Naeem A, Elrobh M, Al Amri A, Al-Mukaynizi FB, Semlali A, **Warsy A**, Parine NR (2015). No associations between aromatase gene polymorphisms and breast cancer risk in Saudi patients. Onco Targets Ther. Sep 3;8:2453-9. doi: 10.2147/OTT.S84696. eCollection 2015.
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# Jameela Shinwari, Tahani Alshehri, Asma I. Tahir, Abdullah Al Jefri, Abdulkareem AlMomen, Dana Bakheet, Mohammad AlAnazi**, Arjumand Warsy,** Nada Al Tassan. Variable *β*-globin haplotypes in Saudi *β* thalassemia population. Open Journal of Genetics, 2013, 3, 171-173. Published Online September 2013 in SciRes. http://www.scirp.org/journal/ojgen

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**Accepted Papers**

1. El-Hazmi MAF and **Warsy, A.S.** Relationship between age and the prevalence of obesity and overweight in Saudi population. Bahrain Medical Bulletin.( In Press)

**Submitted Papers**

1. Othman N.S; **Warsy A.S.** Correlation studies between leptin, glucose and insulin in pre- and postmenopausal Saudi females. Submitted.
2. Othman N.S; **Warsy A.S**. Body Mass Index, waist/hip ratio and blood pressure relationship in pre- and postmenopausal Saudi females.
3. Othman N.S; **Warsy A.S**. Relation between leptin and plasma lipids in pre- and postmenopausal Saudi females.
4. Othman N.S; **Warsy A.S**. Levels of leptin in pre- and postmenopausal Saudi females.
5. Sulaimani, M**; Warsy A.S**. Correlation between leptin, anthropometric data, insulin and plasma lipids in Saudi population.
6. Sulaimani, M; **Warsy A.S.** Variations in the anthropometric data, leptin, insulin and plasma lipids in Saudi individuals
7. **Warsy A.S**. Scientific facts in the Holy Quran.

**ABSTRACTS PRESENTED AT CONFERENCES /SYMPOSIA/ WORKSHOPS**

1. **Warsy AS. How to write review of literature**. Women Students Medical Studies and Science Sections Research Centre, King Saud university Riyadh, Saudi Arabia, October 2015
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