

CURRICULUM VITAE

Name:

FAYIG AHMAD ELMIGDADI, MD, PhD, IFME (FAIMER/ECFMG)

Current Position at Faculty of Dentistry, Zarqa University, Hashemite Kingdom of Jordan:

Vice Dean

Associate Professor of Biochemistry, Molecular Genetics and Medical Education

Discipline:

Medical Biochemistry, Molecular Genetics and Medical Education

Permanent address:

Faculty of Dentistry

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Date of birth:

01/12/1961

Marital status:

Married

Sex:

M

Nationality:

Jordan

WORK EXPERIENCE

Employment and Administrative History: (Dates should be specified by: D/M/Y)

1. September 1986-September 1987. General Medical Practice in several hospitals in Jordan as part of my internship.
2. September 1987-September 1989. Two years of Unprogrammed Residency in Internal Medicine, Irbid Hospital , JORDAN as part of my service in the Royal Medical Services.
3. October 1989-March 1990. General Practitioner in the Private Sector. Alhusn, Irbid , JORDAN .
4. March 1990-September 1990. Programmed Residency in Clinical Pathology & Laboratory Medicine, School of Medicine , University of Jordan , Amman , JORDAN . I had served also during this time as a Teaching and a Research Assistant in the Departments of Pathology and Clinical Microbiology and Clinical Laboratories.
5. December 1991-September 1995. Programmed Training in Clinical Laboratories and Clinical Biochemistry, School of Medicine , State University of New York at Buffalo , Buffalo , New York , U.S.A. This was during my PhD study in the at the University at Buffalo School of Medicine, Department of Biochemistry, following which I had obtained a PhD.
6. September 1995-September 2002, Coordinator and Consultant of Clinical Biochemical Laboratories, Princess Basma and Princess Rahma and Badeia Teaching Hospitals, Irbid, JORDAN.
7. September 2002-September 2003, Visiting Professor at the University of Arizona School of Medicine as part of FAIMER Fellowship in International Medical Education from the ECFMG.
8. September 1995-December 2001, Assistant Professor of Biochemistry and Molecular Biology, School of Medicine , Jordan University of Science and Technology, Irbid , JORDAN .
9. January 2002-Current, Fellow of International Medical Education (FAIMER/ECFMG) Associate Professor of Biochemistry and Molecular Biology and Medical Laboratory Sciences, School of Medicine, Jordan University of Science and Technology, Irbid, JORDAN.
10. September 2007-October 2008. Fellow of International Medical Education (FAIMER/ECFMG), Associate Professor of Biochemistry, Molecular Biology and Medical Laboratory Sciences, School of Medicine, Hashemite University, Zarka, JORDAN.
11. October 2008-September 2010. Fellow of International Medical Education (FAIMER/ECFMG), Associate Professor of Biochemistry, Molecular Biology and Medical Laboratory Sciences, School of Medicine, King Faisal University, PO Box 2114, Dammam, Kingdom of Saudi Arabia 31451.
12. September 2010-current. Fellow of International Medical Education (FAIMER/ECFMG) Associate Professor of Biochemistry and Molecular Biology and Medical Laboratory Sciences, School of Medicine , Jordan University of Science and Technology, Irbid , JORDAN.
13. September 2012-Current. Fellow of International Medical Education (FAIMER/ECFMG), Associate Professor of Biochemistry, Molecular Biology and Medical Laboratory Sciences, Unaizah College of Medicine, Qassim University, Unaizah, Saudi Arabia.
14. October 2, 2022 – Current. Vice Dean and Associate Professor of Biochemistry, Molecular Genetics and Medical Education. Faculty of Dentistry Zarqa University, Jordan

Administrative Assignments (in Descending Order – Most Recent First):

1. Chairman, division of Biochemistry and Molecular Biology, School of Medicine , JUST, Irbid, Jordan, 1996-1997.
2. Chairman, Division of Clinical Laboratories, Teaching Hospitals, Irbid, Jordan, 1997-1998.
3. Deputy (and Assistant Dean), School of Medicine, JUST, Irbid, Jordan, 2000-2002.
4. Director of Faculty Development Unit, UCM, QU, Saudi Arabia. 2012-2014
5. Coordinator of Curriculum unit and member of Medical Education Unit, UCM, QU, Saudi Arabia. 2012-Current
6. General Coordinator and Planner of Premed 2 and MD Programs, UCM, QU, Saudi Arabia. 2012-2022
7. Vice Dean, College of Dentistry, Zarqa University, JORDAN. 2022-Current

TEACHING EXPERIENCE

Here is a list of some of the teaching experience. More and details are available upon request. 1. Teaching Assistant in Clinical Microbiology, Virology, Immunology for Medical, Dental, Pharmacy Students, School of Medicine, University of Jordan , Amman , JORDAN.

2. Teaching Assistant in Medical Biochemistry and Metabolism with Inborn Errors of Metabolism for Medical and Graduate students. School of Medicine, State University of New York at Buffalo Buffalo, New York , U.S.A.
3. Instructor in Medical Biochemistry and Metabolism with Inborn Errors of Metabolism for Medical and Graduate students. School of Medicine, State University of New York at Buffalo, Buffalo , New York , U.S.A.
4. Coordinator and instructor in Medical Biochemistry Course for Medical, Dental, Pharmacy & Nursing students. School of Medicine, Jordan University of Science & Technology, Irbid, JORDAN.
5. Coordinator and instructor in Medical Biochemistry Course for Dental, Pharmacy & Nursing students. School of Medicine, Jordan University of Science & Technology, Irbid, JORDAN.
6. Instructor in Clinical Biochemical Pathology Course for Pharmacy students. School of Medicine, Jordan University of Science & Technology, Irbid , JORDAN.
7. Instructor in Advanced Clinical Biochemistry Course for Graduate students. School of Medicine, Jordan University of Science & Technology, Irbid , JORDAN.
8. Instructor in Advanced Endocrinology Course for Graduate students. School of Medicine, Jordan University of Science & Technology, Irbid , JORDAN.
9. Coordinator and Instructor in Advanced Molecular Biology for Graduate students, School of Medicine , JUST, Irbid , JORDAN.
10. Coordinator and instructor in Protein Chemistry and Enzyme Kinetics for Graduate students. School of Medicine, JUST, Irbid , JORDAN.
11. Coordinator and Instructor of Biochemistry and Molecular Genetics parts of Body Systems Courses (**11 total**) of the Integrated System-based Curriculum, which was adopted by our School of Medicine in 1999/2000. School of Medicine, JUST, Irbid , JORDAN.
12. Instructor in Molecular Genetics Course for Medical students. School of Medicine , JUST, Irbid, JORDAN.
13. Coordinator and Instructor of Endocrinology Integrated Course for Medical Students. JUST, Irbid, JORDAN.
14. Instructor of Hematopoietic Integrated Course for Medical Students. JUST, Irbid, JORDAN.
15. Instructor of Cardiovascular Integrated Course for Medical Students. JUST, Irbid, JORDAN.
16. Instructor of Advanced Human Genetics Course for Graduate Students. JUST, Irbid , JORDAN.

17. Instructor of Advanced Pathogenesis Course for Graduate Students. JUST, Irbid , JORDAN.
18. Instructor and Tutor of Medical Biochemistry Small Group Discussion and Clinical Problems, School of Medicine, University of Arizona, U.S.A.
19. Coordinator, Instructor and Tutor of Molecular Genetics, and Advanced Molecular Biology and Genetics for Medical and Graduate Students. JUST, Hashemite University, UA and KFU, in all U.S.A., K.S.A. and JORDAN
20. Coordinator and instructor of Molecular Genetics for medical and pharmacy students, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
21. Coordinator and instructor of Nutrition and Metabolism for medical and pharmacy students, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
22. Instructor of Body Structure and Function for medical and pharmacy students, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
23. Instructor of Principles of Disease Course, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
24. Coordinator and instructor of Molecular Basis of Medicine (MBM) for medical students, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
25. Instructor of Principles of Disease Course for medical students, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia
26. Chairman of the Department of Basic Medical and Dental Sciences Associate Professor of Biochemistry, Molecular Genetics and Medical Education Faculty of Dentistry, Zarqa University, Jordan

MEMBERSHIPS OF MEDICAL ASSOCIATIONS

Member of various professional and medical and research societies and associations at all national, regional and international levels.

PUBLICATIONS

Papers Published in Scientific, Specialized, and Peer-reviewed Journals:

1. El-Migdadi, F., Gallant, S., and Brownie, A.C. (1995) Sex Differences in the Steroidogenic and Respiratory ElectronTransport Chains in the Rat Adrenal Cortex. *Endocrine Research* 21: 109-114.
2. El-Migdadi, F., Gallant, S., and Brownie, A.C. (1995) Sex Differences in Cytochromes Oxidase and P-45011Beta in the Rat Adrenal Cortex. *Molecular and Cellular Endocrinology*. 112:185-194
3. El-Migdadi, F., Gallant, S., and Brownie, A.C. (1995) Sex Differences and Effects of Androgens on the Steroidogenic and Respiratory Electron Transport Chains in the Rat Adrenal Cortex. *Proceedings to the Adrenal Meeting (Oklahoma , USA)*.
4. El-Migdadi, F., Gallant, S., and Brownie, A.C. (1994) Regulation of Cytochrom Oxidase (CO) by Androgens in Rat Adrenal Gland and Liver. *Proceedings to the Annual Meeting at the Endocrine Society (Anaheim , CA , USA)*
5. El-Migdadi, F., Alfano, J., Gallant, S., and Brownie, A.C. (1995) Cytochrome C Oxidase in Rat Adrenal and Liver: Effects of Anti-Androgen Treatment and Studies in Testicular Feminized Rats. *Endocrine Research*. 22 (1): 59-76.
6. Bashir, N., El-Migdadi, F. et. al. (1996) Effects of Exercise at Low Altitude on Pituitary Hormones (ACTH, LH and Growth Hormone) in Athletes. *Endocrine Research*. 24, Issue # 3.
7. El-Migdadi, F. et al. (1996) Exercise at Low Altitude (Jordan Valley) Causes Changes in Serum Levels of ACTH, Insulin ,Cortisol and Lactate in Athletes. *Proceeding to the Adrenal Meeting published in Endocrine Research*. 24 (4): 763-767.

- 8.El-Migdadi, F. et al. (1997) Thyroid Response to Exercise at Low Altitude (Jordan Valley) Is Confined to Change in Triiodothyronine (T3). *Hormone and Metabolic Research. Experimental Endocrinology and Metabolism.* 29: 196.
- 9.Saadoun, I. And El-Migdadi, F. (1998) Degradation of geosmin like compounds by selected grampositive bacteria. *Letters in Applied Microbiology.* 26: 98-100.
- 10.El-Migdadi, F., Nusier, M., and Bashir, N. (1999) Seasonal pattern of leutinizing hormone, folliclestimulating hormone, testosterone and progesterone in adults of both sexes in the Jordan Valley . *Proceedings to the International Symposium on Molecular Steroidogenesis.* Nara , Japan .
- 11.Nusier, M., El-Migdadi, F. and Bashir, N. (2000) Serum levels of glucose, lactate, insulin, adrenocorticotropin, cortisol, leutinizing hormone and testosterone in young and elderly people of the Jordan Valley . *Molecular Steroidogenesis. Frontiers Sciences Sieris # 29:* 351-352. University Academy Press, Inc., Tokyo Japan .
- 12.El-Migdadi, F., Nusier, M., and Bashir, N. (2000) Seasonal pattern of leutinizing hormone, folliclestimulating hormone, testosterone and progesterone in adults of both sexes in the Jordan Valley . *Endocrine Research.* 26: 41-48.
- 13.Khatib, S.Y., Farah, H. and El-Migdadi, F. (2000) Enhanced adenine nucleotides and improved myocardial function by allopurinol in isolated hypoxic rat heart. *Proceedings to V International Meeting on "New Perspectives in Ischemic Heart Disease, Heart Failure, Atherosclerosis and Hypertension in the Beginning of the New Millenium".* Bologna , Italy .
- 14.El-Migdadi, F., El-Akawi, Z., Abudheese, R. and Bashir, N. (2000) Serum levels of adrenocorticotropic hormone and cortisol in people living in the below sea level environment (Jordan Valley) during fasting in the month of Ramadan. *Proceedings to 14th International Symposium of the Journal of Steroid Biochemistry and Molecular Biology.* Quebec City, Canada.
- 15.El-Migdadi, F., Khatib, S. and Bashir, N. (2001) Lactate dehydrogenase activity, insulin and lactate levels at below sea level altitude (-350 meters) compared to above sea level altitude (620 meters) after exercise. *Biochemistry (Moscow).* 66: 96-98.
- 16.Khatib, S.Y., Farah, H. and El-Migdadi, F. (2001) Enhanced adenine nucleotides and improved myocardial function by allopurinol in isolated hypoxic rat heart. *Biochemistry (Moscow).* 66: 328-333.
- 17.Banihani, I. , El-Migdadi, F., et al. (2001) Stress from exercise in the below sea level environment causes an increase in serum testosterone levels in trained athletes. *Endocr Res.* 27: 19-23.
- 18.El-Migdadi, F., El-Akawi, Z., Abudheese, R. and Bashir, N. (2002) Plasma levels of adrenocorticotropic hormone and cortisol in people living in an environment below sea level (Jordan Valley) during fasting in the month of Ramadan. *Hormone research* 58(6): 279-282
- 19.Fayig El-Migdadi, Ali Shotar, Zeyad El-Akawi, Ibrahim Banihani, Rola Abudheese and Wajih Oweis (2004) Effect of fasting during the month of Ramadan on serum levels of leutinizing hormone and testosterone in people living in the below sea level environment in the Jordan Valley. *Neuroendocrinology Letters* 25: 75-77.
- 20.Fayig El-Migdadi, Ibrahim Banihani and Saleem Ali Banihani (2004) Clinico-Hormonal Correlation of Oligospermic Patients in the Below Sea Level Environment (Jordan Valley). *Neuroendocrinology Letters.* 26(1):13-8.
- 21.Kamal Banihani and Fayig El-Migdadi (2005) A comparative study of the prevalence of *Helicobacter pylori* between the inhabitants of areas of different barometric pressure. *Internet Journal of Gastroenterology.* Volume 3 Number 2.
- 22.Fayig El-Migdadi and Emad Abdullah Abed. A Comparative Study Of Plasma Renin Activity, Aldosterone And Atrial Natriuretic Hormone Between Normotensive And Hypertensive People Living At Below Sea Level Altitude (Jordan Valley) And Those Residing At Moderate Altitude Above Sea Level (Irbid City) (2007) *Neuroendocrinology Letters.* 28(4):386-94.
- 23.Al-Hussain SM, Al-Haidari MS, Kouri NA, El-Migdadi F, Al-Safar RS, Mohammad MA. Prevalence of mistreatment and justice of grading system in five health related faculties in Jordan University of Science and Technology. *Med Teach.* 2008;30(3):e82-6.
- 24.Fayig El-Migdadi, Amal Al-Tellawi, Saleh Al-Hussain, Mohammad Rawashdeh. Pyruvate kinase and glucose-6-phosphate dehydrogenase activities in children living above (Jordan Valley) and below (Amman and Irbid) sea level. *Journal of Chinese Clinical Medicine,* 2008, 3(11): 627-632.

- 25.F. El-Migdadi & F. Qaw : Serum and Plasma Levels Of Total And Free Testosterone And Of Sex Hormone Binding Globulins In Rats Growing In The Below Sea Level Environment Of The Jordan Valley . *The Internet Journal of Endocrinology*. 2009 Volume 5 Number 2
- 26.El-Migdadi F, Eskandarani HH, Gaw F. Intratesticular testosterone levels are high in rats maturing in the below the sea level enviroment of the Jordan valley. *Acta Endocrinologica (Buc)* 2010, 6 (2): 165-169
27. El-Migdadi F. Iron Depletion in Rats May Protect Against Atherosclerosis and Ischemic Heart Disease. *J Med J* 2012; Vol. 46 (3):229- 236.
28. Azzam Al-Kadi, Fayig El-Migdadi, Dean Parmelee, Fahad Al-Shehri, Bassam Alkhalifah, Adil Altwaigri and Saleh Al-Damegh. Preparing Faculty & Students for Using TBL within a Medical Doctor (MD) Program in the Kingdom of Saudi Arabia. *Proccedings to the TBL Collaborative Annual Meeting*, March 2014.
29. Implementation of Molecular Basis of Medicine Course at Unaizah College of Medicine (UCM), Qassim University, Saudi Arabia from Boonshoft School of Medicine (BSOM), Wright State University: Analysis of student performance in 2014-2015. Lawrence J Prochaska, Fayig Elmigdad, et. Al. *FASEB Journal*. 2016. 30.1. 888.
30. The Effect of Barometric Pressure on Rats Sex Hormone Binding Globulins. Fayig Elmigdad. *Annals of infertility and reproductive endocrinology*. 2018. 1(2):1012
31. Medical students perception towards Team-Based Learning, Unaizah College of Medicine, Qassim University, Kingdom of Saudi Arabia, 2020. *SMJS*. 2021. Vol. 2, issue 1.
32. Trofinetide for Rett Syndrome: Highlights on the Development and Related Inventions of the First USFDA-Approved Treatment for Rare Pediatric Unmet Medical Need. Hudu SA, Elmigdad F, Qtaitat AA, Almeahadi M, Alsaiani AA, Allahyani M, Aljuaid A, Salih M, Alghamdi A, Alrofai MA, Abida, Imran M. *J Clin Med*. 2023 Aug 4;12(15):5114.
33. Successful Treatment of Covid-2019 With Ivermectin: A Case Report Abdelmonem Awad Hegazy, Waheed M Shouman, Fayig Elmigdad, Shuaibu Abdullahi Hudu, Raafat Awad Hegazy, Mustafa Abdelmonem Hegazy. *Clinical Interventions and Clinical Trials 2023 Volume 1, Issue 1*
34. The Urgent Threat of Clostridioides difficile Infection: A Glimpse of the Drugs of the Future, with Related Patents and Prospects. Alshrari AS, Hudu SA, Elmigdad F, Imran M. *Biomedicines*. 2023 Feb 1;11(2):426.
35. ESTABLISHMENT OF THE FIRST DOCTOR OF DENTAL SURGERY PROGRAM AT ZARQA UNIVERSITY, JORDAN Fayig El-migdad1, Shuaibu Abdullahi Hudu, Ayman Alqtaitatand Kasimu Ghandi Ibrahim. *Journal of Research Administration* 2023. Voume 5, No 2. 12948- 12961.
36. Potential teratogenic effect of prenatal dexamethasone administration on palate development: Experimental study in rats. Wafaa Yahia Alghonemy, Abdelmonem Awad Hegazy, Fayig Elmigdad , Gamal Abdel Nasser Atia , Mai Badreldin Helal . *Translational Research in Anatomy*. 2024. Volume 37
37. Gender-based differences in the representation and experiences of academic leaders in medicine and dentistry: a mixed method study from Pakistan. Muhammad Shahzad, Brekhna Jamil, Mehboob Bushra, Usman Mahboob & Fayig Elmigdad. *BMC Medical Education*. 2024. Volume 24

Participation in Conferences and Symposiums:

1. Annual Meeting at the Endocrine Society, Anaheim , CA , USA , 1994.
2. The Adrenal Meeting , Oklahoma , USA , 1995.
3. The Adrenal Meeting, Crieff , Scotland , 1996.
4. International Symposium on Molecular Steroidogenesis. Nara , Japan , 1999.
5. WorldLab IFCC Meeting, Florence , Italy , 1999.
6. Annual Scientific Conferences of the School of Medicine, Jordan Universty of Science and Technology, Irbid, Jordan, 1996, 1997, 1998, 1999, 2000.
7. 14th International Symposium of the Journal of steroid Biochemistry and Molecular Biology, Quebec City, Quebec, Canada. 2000.
8. 2nd International Symposium in Genetics, Amman , Jordan, 2000.
9. 3^d Sientific Meeting of the Princess Basma Teaching Hospital, Irbid, Jordan, 2000.

10. **Organizer and Co-chairman** of the 1st Conference of the School of Medicine (15th Annual Scientific Day), JUST, Irbid , JORDAN, 2001.
11. **Organizer and Co-chairman** of the 2nd Conference of the School of Medicine (16th Annual Scientific Day), JUST, Irbid , JORDAN, 2002.
12. Conference of the Registration Offices of the Arab Universities, Amman , JORDAN, 2002.
13. 113th AACM (American Association of Colleges of Medicine) Annual Meeting, San Francisco, CA, USA, November 8th-13th, 2002.
14. First Meeting of the Arab Society for Medical Research, National Research Center , Cairo, Egypt, April, 2005.
15. First International Conference of the Arab Society for Medical Research, National Research Center, Cairo, Egypt, November, 2006.
16. SIMEC 2014, Qassim University, Saudi Arabia, 2014

Graduate Students

1. Imad Abdullah. M.Sc. in Clinical Chemistry (2000). Thesis on Hypertension and Aldosterone, Renin Activity and Atrial Natriuretic Factor in People of the Below Sea Level Environment.
2. Amal Tellawi. M.Sc. in Clinical Chemistry (2001). Thesis on Pyruvate Kinase, G6PD and LDH activities and Deficiencies in Children of the Jordan Valley and Irbid and Amman .
3. Saleem Banihani. M.Sc. in Clinical Chemistry (2002). His project is on Endocrinopathy of the Pituitary-Adrenal Axis and Male Infertility Including the Study of SHBG.

PROFESSIONAL COURSES / SEMINARS / WORKSHOPS / CONFERENCES ATTENDED

Seminars and Invited Speaker

1. Al-Albait University. 1995.
2. Crieff , Scotland . 1996.
3. Institute of Genetic Engineering , Belgrade , Serbia , 1997.
4. Nara , Japan . 1999.
5. Texas Tech, Lubbock Texas , USA . 2000.
6. Quebec City , Canada . 2000.
7. Princess Basma Teaching Hospital, Irbid , Jordan , 2000.
8. Multiple Seminars and Workshops at JUST, 1995-2002.
9. Clinical and research seminars, School of Medicine, University of Arizona, USA, 2002-2003.
10. First Meeting of the Arab Society for Medical Research, National Research Center , Cairo, Egypt , April, 2005.
11. First International Conference of the Arab Society for Medical Research, National Research Center, Cairo, Egypt, November, 2006.

Workshops

1. Radioactive Techniques and Safety, University at Buffalo , NY , 1992.
2. General Education Basics in Students and Faculty Evaluation, JUST, 1995.
3. Inborn Errors of Metabolism, University at Buffalo , NY , USA .
4. Genetic Engineering Workshop, Institute of Genetic Engineering, Belgrade , Serbia .
5. Specialized Education In Students Assessments and Examination Techniques, JUST, 1998.
6. Communication Skills of Leaders, JUST, 2000.
7. Problem-Based Medicine, JUST, 2001.

8. Texas Tech University Research Workshop, Lubbock , Texas , USA .
9. Evidence-Based Medicine, JUST, 2001.
10. Integrated System-Based Curriculum, JUST, 2001.
11. Harvard Medical Curriculum as an integrated problem-based curriculum, JUST, 2001.
12. Multiple workshops in Medical Education during the fellowship in Medical Education at the University of Arizona and elsewhere in the USA , 2002-2003.
13. Medical Education and problem based learning. College of Medicine, QU, Saudi Arabia. 2012 and 2013.
14. Quality Assurance and Medical Education and Institutional and National and International Accreditation. College of Medicine, QU, Saudi Arabia. 2013.
15. Team Based Learning I Workshop, Unaizah College of Medicine, Qassim University, 2013.
16. Team Based Learning II Workshop, Unaizah College of Medicine, Qassim University, 2013.
17. Workshop on Multiple Choice Questions in Medical Education for ECFMG/ USMLE tests, Unaizah College of Medicine, Qassim University, 2014.
18. Quality Assurance and Accreditation Workshops. Unaizah College of Medicine, Qassim University, 2013 and 2014.
19. Students Assessments in Medical Colleges workshop, Unaizah College of Medicine, Qassim University, 2013.

Participation in Conferences and Symposiums:

1. Annual Meeting at the Endocrine Society, Anaheim , CA , USA , 1994.
2. The Adrenal Meeting , Oklahoma , USA , 1995.
3. The Adrenal Meeting, Crieff , Scotland , 1996.
4. International Symposium on Molecular Steroidogenesis. Nara , Japan , 1999.
5. WorldLab IFCC Meeting, Florence , Italy , 1999.
6. Annual Scientific Conferences of the School of Medicine, Jordan Universty of Science and Technology, Irbid, Jordan, 1996, 1997, 1998, 1999, 2000.
7. 14th International Symposium of the Journal of steroid Biochemistry and Molecular Biology, Quebec City, Quebec, Canada. 2000.
8. 2nd International Symposium in Genetics, Amman , Jordan, 2000.
9. 3^d Sientific Meeting of the Princess Basma Teaching Hospital, Irbid, Jordan, 2000.
10. **Organizer and Co-chairman** of the 1st Conference of the School of Medicine (15th Annual Scientific Day), JUST, Irbid , JORDAN, 2001.
11. **Organizer and Co-chairman** of the 2nd Conference of the School of Medicine (16th Annual Scientific Day), JUST, Irbid , JORDAN, 2002.
12. Conference of the Registration Offices of the Arab Universities, Amman , JORDAN, 2002.
13. 113th AACM (American Association of Colleges of Medicine) Annual Meeting, San Francisco, CA, USA, November 8th-13th, 2002.
14. First Meeting of the Arab Society for Medical Research, National Research Center , Cairo, Egypt, April, 2005.
15. First International Conference of the Arab Society for Medical Research, National Research Center, Cairo, Egypt, November, 2006.
16. SIMEC 2014, Qassim University, Saudi Arabia, 2014

AWARDS/MEDALS/CITATIONS

Prizes and Fellowships

1. MD Scholarship by the Ministry of Education of Jordan (ranked 13th out of 50,000 students in the General Graduation Examinations of Jordan (96.1%), 1979-1986, Rostov-on-Don Medical Institute, Russia.
2. Higher Specialization in Clinical Pathology by the School of Medicine , University of Jordan , 1990.
3. PhD Scholarship in Biochemistry and Molecular Biology, 1990-1995, University at Buffalo School of Medicine, Buffalo , NY , USA .
4. Human Genome Project Prize and Fellowship by the Human Genome Project, 1997, Institute of Genetic Engineering , Belgrade , Serbia .
5. Fellowship in Medical Education by the IFME (FAIMER), of the ECFMG, 2002, Philadelphia , USA .

Research Grants

1. Exercise at low altitude cause fat degradation and weight loss, 1997-Now, the Deanship of Research, JUST- US\$ 12,000.
2. Neonatal Screening for pyruvate kinase hemolytic anemia in Jordan , 1999-Now, the Deanship of Research, JUST- US\$ 5,000.
3. A comparative study of pyruvate kinase between children of the Jordan Valley and Irbid city, 2000-Now, the Deanship of Research, JUST- US\$ 14,000.
4. Clinico-hormonal correlation of azoospermic patients in the below sea level environment of the Jordan Valley, 2001-Now, the Deanship of Research, JUST- US\$ 6,000.
5. A comparative study of renin-aldosterone system between people residing at low altitude and those at an average altitude, 1999-Now, the Deanship of Research, JUST- US\$ 10,000.

Member of various professional and medical and research societies and associations at all national, regional and international levels.

I am also an editor and a member of advisory boards of some national and regional research and medical journals.