



Ahmed M. Elbetieha (احمد محمود صالح بطيحه)
Professor of Developmental Cellular & Molecular Genetics

Jordan University of Science and Technology
P.O .Box (3030) Irbid 22110 Jordan.
Telephone: (962-2) 7201000 (Ext.23462)
Mobile: 0795226348

Email: betieha@just.edu.jo

PERSONAL DATA

Date of Birth: 4/10/1955

Nationality: Jordanian.

Present Position: Acting Dean/ College of Medicine / Fahad Bin Sultan University/Tabuk/Kingdome of Saudi Arabia (starting on Nov. 28, 2023 till now)

Email: bateha@fbsu.edu.sa

Former position: Vice President at Jordan University of Science and Technology (JUST).

Marital Status: Married.

Number of Children: 3

SUMMARY OF QUALIFICATIONS

- I was appointed as a faculty member at the Department of Applied Biological Sciences at Jordan University of Science and Technology in 1988.
- I have held the following administration positions at JUST
 - Acting President from 01/06/2016 to 09/08/2016.
 - Acting President from 28/4 to 8/7/2015
 - Vice President (05/01/2012-01/09/2016)
 - Assistance to the president
 - Dean/ faculty of Science & Arts
 - Dean/ faculty of Graduate Studies
 - Vice dean/ faculty of Science and Arts
 - Head of the department of Applied Biological Sciences

- I have published in my field 56 scientific papers in peer reviewed international journals with Google Scholar ***h-Index 24 and 2613 citations and i10-index of 34 (date: 24/09/2024).***
- I am an active member in several editorial boards in reputed journals.
- I have supervised more than 20 master students.
- I am heavily engaged in applying quality assurance standards
- I have a vast experience writing scientific research proposals funded by local and international agencies.
- I have excellent experience developing undergraduate and graduate academic programs, curricula, and criteria for local and international accreditation programs
- I have participated effectively in many scientific conferences, workshops and committees locally and international levels.
- I have excellent experience attracting and dealing with international students (JUST has more than 5000 international students from more than 60 countries)
- I was actively involved in a project aimed at developing a system for teaching evaluation in Jordan and Spain.
- I highly uphold ethics and endorse a code of ethics for students, faculty and administration staff.
- I support, enjoy, and adore voluntary work and community service.

EDUCATION

Ph.D. Developmental, cellular, and Molecular Biology, University of Texas at Austin, Austin, Texas, U.S.A (1988)

Dissertation title: “Use of a Bioassay to Characterize Anterior Cytoplasmic Determinants in *Chironomus Samoensis* Eggs”

M.Sc. Biology, Loyola Marymount University, L.A. California, U.S.A (1981)

B.Sc. Zoology, Alexandria University, Alexandria, Egypt (1977).

PROFESSIONAL & ADMINISTRATIVE EXPERIENCE

- Acting President, JUST, 28th April 2015 to 8/7/2015.
- Acting President, JUST, 01/06, 2016- 09/08/2016

- Vice President, JUST, 5th January 2012 to 01/09/2016.
- Dean, Faculty of Science and Arts at JUST, 2005-2009.
- Dean, Faculty of Graduate Studies at JUST, 2004-2005.
- Assistant to the president, JUST, 2003-2004.
- Vice Dean, Faculty of Science at JUST, 1998 - 2000
- Chair of the Department of Applied Biological Sciences at JUST, 1996-1998)
- Member of the Board of Trustees and head of the academic committee, Middle East University Jordan, 2006-2010
- Working as a laboratory supervisor at the In vitro Fertilization and Embryo Transfer Unit at Algwasmeh Hospital - Irbid - Jordan (1998-1999).

ACADEMIC EXPERIENCE

- Professor, Department of Applied Biological Sciences, JUST, 15/12/2003 - Now
- Associate Professor, Department of Applied Biological Sciences, JUST, 14/12/1997-14/12/2003
- Assistant Professor, Department of Applied Biological Sciences, JUST, 14/12/1988 -14/12/ 1997
- Associate Professor, Department of Biology, Qatar University, Sabbatical and Leave of Absence 2000-2003
- Teach. Assist. Department of Zoology, University of Texas at Austin, 1984-1987
- Res. Assistant, Dept. of Zoology, University of Texas at Austin, (Spring 1986).

TEACHING EXPERIENCE

Following is a brief list of the undergraduate and graduate courses I taught at University of Texas–Austin, JUST, and Qatar University:

- Comparative Anatomy of the Vertebrates, Embryology, Genetics, General Biology & Lab, Human Genetics and Reproduction, Developmental Biology, Developmental Genetics, Chordates, Vertebrates classification, Biodiversity, Histology, Animal Biotechnology, Molecular Genetics, Ethics of Biotechnology

AWARDS

- First place award in the Second Annual Scientific Day of The Faculty of Science and Arts for the research paper entitled " Effect of Low Frequency Electromagnetic Fields on fertility of Adult Male and Female Rats" (May, 1999).
- An Honorary Award (Al-Hassan medal) from His Highness Crown Prince Al-Hassan, the Regent for distinguished members in the program committee of the 45th International Field Emission Symposium held at JUST (Sept. 12 - 18, 1998).
- International Award of AIDS Research Award, for the paper “Anti-implantation potential of some medicinal plants in female rats” (1996),USA.
- Third World Academy of Science (TWAS) 22/7/1996 (\$4000).
- First place award for outstanding poster, sixth annual Southwestern Developmental Biology Conference (1988),USA.

COMMITTEES

I served in numerous committees and boards including:

- The Board of Trustees Middle East University-Jordan, 2006-2010
- Head of the Academic Committee, Middle East University-Jordan, 2006-???
- Jordan National Commission for Education, Culture and Science, 1999-2001
- JUST University Council, 1991 – 1992
- Head of the accreditation and Quality Assurance Committee at JUST.
- Faculty of Science Council, 1989 – 1990, & 1994 - 1995
- Committee of establishing the Biotechnology and Genetic Engineering Program in the Faculty of Science and Arts at JUST
- Biotechnology Committee at JUST
- Committee of Master program in Biology at JUST
- Program Committee of the 45th International Field Emission Symposium held at JUST, Sept. 12 - 18, 1998
- Chairman of the organizing committee of the Second Annual Scientific Day of the Faculty of Science and Arts, May, 24 1999 at JUST
- Committee of establishing the Environmental Sciences Program in the Faculty of Science and Arts at JUST (1999)
- Steering committee of JUST university club for the employees (1999).
- Graduate Committee in the Department of Biology /Qatar University.
- Chair of the Seminar committee in the Department of Biology/Qatar University
- Equipment and supply committee in the Department of Biology/Qatar University
- Committee of employee’s affairs at JUST from 2003-2005
- Registration and course study schedule at JUST, 2003-now
- Head of the committee of teaching halls improvement at JUST, 2003-now.

- Head of the committee of establishing a BSc program in forensic science in the faculty of science and arts at JUST (2007).
- Committee of hiring and promotion at JUST (2005-2009).
- Council of scientific research in the deanship of scientific research at JUST (2005-2009).
- The primary discipline council at JUST (2006-2008).
- Head of the primary discipline council at JUST (2008-2009).
- Council of Civil Society Development Center at JUST (2007).
- Council of the Consultative Center for Science and Technology at JUST (2007-2008).
- Employee saving fund committee, JUST (2009).
- Employee housing funds committee, JUST (2009).
- Distinguished graduate students in Jordan Universities/ Scientific Research Support Fund from 2010 –now.
- Member in the Institutional Review Board (IRB), JUST, 2009-20011
- Central tender committee, JUST, 2010-now
- Head of the strategic plan committee at JUST 2016-2020

SOCIETY MEMBERSHIP

- The society for Developmental Biology.

JOURNALS EDITORIAL BOARDS AND ADVISORY BOARDS

1. The Journal of Applied Biological Science (JABS). Nobel International Journals, Nobel Publishing, Turkey.
2. The Research Journal of Biological Sciences. Medwell Journals, Scientific Research Publishing Company.
3. Jordan Journal of Biological Science (Ministry of Higher Education and Scientific Research, Jordan (2006-2010).

FUNDED RESEARCH PROJECTS

1. **Member of the team working on the project titled “Promotion of Innovation Culture in the Higher Education in Jordan (2015-2018), funded by Erasmus+ (around 900000 EU).**

- 2. Coordinating the project titled “Modernization of Institutional Management of Innovation and Research in South Neighboring Countries (MIMIr) Co-financed by the European Commission under the Erasmus+ Programme, Action 2) (823,407,00 EU) (2015-2018). The project is designed to aid, assist and help partner universities in South Neighboring Countries to understand the status quo of their innovation and research mentality, performance, efficacy and practices and devise pathways to overcome impediments, hindrance and pitfalls that prevent them from achieving recognized stature in the international landscape.**
- 3. Coordinating the project of establishing the Biotechnology Center at JUST funded by the World Bank (600,000\$) (1998-1999).**
- 4. Coordinating a project “The MIT Blossoms Initiative Blended Learning Open Source Science or Math Studies. The aim of the project was to prepare a lectures in both science and math using the critical thinking method of teaching for the open source of the MIT. This project was carried out with the cooperation between the Massachusetts Institute of Technology (MIT). Several lectures were delivered and photographed by our faculty members and currently posted on the Open Source of Science and Mathematics belonging to the MIT. The project was funded by the MIT.**
- 5. Coordinating a project “Developing a system for faculty members’ evaluation” with the collaboration with Rey Juan Carlos /Spain and Hashemite University at Jordan. The project aimed to develop a student questionnaire for faculty members’ evaluation that can be used for the participant universities in both Arabic and Spanish languages. The project was funded by the Spanish Higher Education Agency.**
- 6. A micro fluid platform for the detection and treatment monitoring of hepatocellular carcinoma. Supported by Scientific Research Support Fund (2011), (91243 JD). Project No. EIT/2/04/2011.**
- 7. Evaluation of anti-fertility effects of various metals and pesticides in male mice. Funded by the Scientific and Applied Research Center (SARC) at Qatar University, 2001-2002 (194,000 Rial Qatari or 38,500 JD).**
- 8. The drug and chemicals sensitive to light Arab Company for Drug Industrial and Medical Appliances (ACDIMA), 1998 (22,500JD).**
- 9. Effect of various metals on sexual maturation, sex behavior, reproductive systems and fertility of male rats. 22/7/1996 TWAS (\$ 4000).**

10. Isolation and Characterization of Glutathione S- transferases cDNA Clones from *Drosophila melanogaster* eggs 14/2/1993, funded by J.U.S.T. and Yarmouk University (5,000 JD).
11. Animal Biotechnology, 23/4/1994, funded by J.U.S.T (3,000 JD).
12. Effect of Trivalent and Hexavalent Chromium Compounds on Reproduction and Fertility in mice, funded by JUST, (2500 JD)1995.
13. Antifertility and Teratogenic agents from Jordanian indigenous plants, funded by JUST, (2500 JD), 1996.
14. Effects of stimulation and inhibition of nitric oxide on fertility of male and female rat (JUST) 1998 (7600 JD) No. 63/98.
15. Long-term exposure of male and female mice to electromagnetic fields: Effect on embryonic development and fertility (JUST) No. 18/97 1997 (3800JD).
16. Genetic Determinants of antibiotic producing streptomycetes JUST (1998) (4600 JD).
17. Effect of abamectin and cypermethrin insecticides on fertility of adult male and female rats (Master thesis, JUST), funded by JUST (6500JD).
18. Vascular Anomalies in Adriamycin Animal Model (Master thesis) JUST, 1998 (2900 JD).
19. Renal Anomalies in Prenatally Adriamycin-Exposed Rat Fetuses (Master Thesis) 1999 (6100 JD), JUST.
20. Effect of Various *Ruta Graveolens L.* (Faijin) Extracts on Fertility, Reproduction and Sexual Maturation of Male and Female Rats (Master Thesis) 1999, JUST (3000J) + 2000JD from the National Center for Agricultural research (Jordan)
21. Effect of Meswak on Fertility of Male and Female Rats. Funded by JUST 1999, (2600 JD).
22. Effects of Resin-Based Composites Used in Restorative Dentistry on Fertility of Male and Female Rats. Funded by JUST, 1999 (5500JD). Grant No. (2001/99).
23. Evaluation of the Reproductive and Fertility Toxic Potentials of Aluminum Chloride on Male and Female Rats (Master thesis). Funded by JUST. (3500JD), 2000, Grant No. 43/2000.
24. Genetic infertility in Jordanian adult males. Funded by Basis of JUST (Master Thesis). (3000JD)
25. Expression of P21 cyclin E and P53 in ovarian cancers form Jordanian patients. Funded by JUST (Master Thesis). Ongoing, (3000JD).
26. Expression of Cyclin E, P21 and P53 in Jordanian patients with breast cancer. Funded by JUST (Master Thesis). Ongoing, (3000JD).

27. Use of Y-STR markers in forensic analysis and paternity testing. Funded by JUST (Master Student). (3500JD).
28. Effects of long and short term exposure to cadmium chloride on fertility and renal system in adult male mice. Funded by JUST (Master Student) (1850 JD).
29. Effects of extremely low frequency electromagnetic field (ELF-EMF) and electric current on breast cancer cells with 7,12-dimethyle(a) anthracene (DMBA) in sprague-dawley rats (Master Student) (6300JD).
30. Association of G8363A and A3243G Mutations in Tk and TL1 Mitochondrial Genes and Autism in Jordanian Patients "Digital Proposal Number: 791-2019 has been approved for funding and documented in the deanship of research under Research Grant Number: 20200149 Master student. In the total amount of (6495) JD.

COMMUNITY SERVICE

I have participated in and gave numerous lectures and interviews; following is a brief sample of lectures:

1. Lecture at Ain Jaloot High School entitled Reproduction Biotechnology.
2. Lecture on Genetic diseases and the importance of its diagnosis before marriage in a workshop Sponsored by Jordan Association for family planning and protection at Irbid (6-8/9/1995).
3. Lecture at Noor AL Hussein High School entitled "Human cloning and its impact on societies".
4. Interview about human genomic project (Jordan TV)
5. Interview about cloning and its social impact (Jordan TV)
6. Lecture on "The Future of Education in Jordan" in the 9th conference for Private Schools Council held in Philadelphia Schools, Amman, Jordan, March 20-21, 2000.
7. Lecture in Ramtha High school about (teacher's behavior toward students). March, 2009.
8. Lecture in forensic Science and its application (Rotary Club in Amman. August 11, 2009.

PROFESSIONAL ACTIVITIES

1. Refereed several biological articles published in local, regional and international Journals.
2. Developed a course plan for Social Biology course for Al-Quds Open University
3. Developed a laboratory manual for Genetics for Bio 341.
4. Participating in preparing a laboratory manual for the courses Bio 105, Bio 106 and Bio 107.
5. Participating in all the steps which led to the establishment of the Department of Applied Biology at J.U.S.T., including:
 - a. Preparing the Departmental course plan.
 - b. Furnishing several laboratories serving various Departmental Courses with the necessary equipment and supplies.
 - c. Establishing new programs at the faculty of science such as forensic science and biotechnology and genetic engineering at JUST
 - d. Head of many accreditation committees for biology and biotechnology programs at different Jordanian private and public universities at Jordan.

GRADUATE STUDENT SUPERVISION

A. Supervising the following master students in the Department of Applied Biological Sciences-Jordan University of Science and Technology.

1. Sahar Da,s. Effect of Abamectin and Cypermethrin insecticides on fertility of adult male and female rats, from 1997-1999.
2. Dalal Al-Tamimi. Vascular Anomalies in Adriamycin Animal Model (1998-2000)
3. Maisa Alkoda. Renal Anomalies in Prenatally Adriamycin-Exposed Rat
4. Fetuses (1998-2000)
5. Rana Al-Muhur. Effect of Various *Ruta Graveolens L.* (Faijin) Extracts on Fertility, Reproduction and Sexual Maturation of Male and Female Rats (1998-2000).

6. Essam Maiass. Evaluation of the reproductive and fertility toxic potentials of aluminum chloride on male and female rats (1998 –2001).
7. Susan Al-Momani. Jordanian Population Data on the PCR-Based Loci: DQA1, LDLR, HBGG, D7S8, GYPA (1998-2001).
8. Osamah Batieha. Genetic bases of infertility in Jordanian Adult males (starting 2003/2004)
9. Mohamed Abd Al-hafez Al-Fughha. Cyclin E, p21^(WAF1/Cip1) and p53 expression in Jordanian patients with breast cancer. 2005-2007
10. Amal M. Sahran. Expression of p21 cyclin and p53 in ovarian cancers from Jordanian patients. 2003)
11. Nuha Al-Abadi. Use of Y-STR markers in forensic and paternity testing. (2003/2005).
12. Neveen Adnan Tbeleh. Effects of long and short term exposure to cadmium chloride on fertility and renal system in adult male mice. 2005-2007.
13. Laith Naser Al-Eitan, Profiling of seized heroin in Jordan by chromatographic techniques. 2004-2007.
14. Amal Said Jbaili. Polymorphisms of N-Acetyltransferase-2 gene and colorectal and lung cancers in Jordan (2007).
15. Nusaibah Abo Alfool (2007). Effects of four weeks' exposure to malathion pesticide on fertility of adult male mice.
16. Alia Malkawi (2005-2007). Polymorphisms of the MnSOD and NQOL genes in Jordanian lung and colon cancer patients.
17. Majdoleen Sbaihat (2005-2008) (coadvisor). The Effect of thermal manipulation during embryogenesis of broiler chicks on body weight and thermoregulation after hatching.
18. Amal Salah (2005-2007) (coadvisor). The effect of thermal manipulation during embryogenesis of broiler chicks on muscle growth and muscle marker gene expression.
19. Dalal Elmensi: (2010-2012). Effects of Extremely Low Frequency Electromagnetic Field (ELF-EMF) and Electric Current on Breast Cancer Cells Induced with 7,12- Dimethylbenz(a)anthracene (DMBA) in Sprague-Dawley Rats.
20. Sara Zuhair Alhanoty(2/2/2020). Association of G8363A and A3243G mutations in TK and TL1 Mitochondrial Genes and Autism in Jordanian Patients. 2020 to present.
21. Co-supervising several master students at JUST.

B. Serving as a member in the Examining committee for several other graduate students from JUST and other universities in Jordan.

CONFERENCE, WORKSHOPS & TRAINING

1. Coordinating the MIMIr project (Modernization of Institutional Management of Innovation and Research in South Neighboring Countries- co-financed by the European Commission under the Erasmus + programme) at JUST which was granted to some Jordanian Universities in collaboration with some Universities of Morocco as well as European Universities.

The project started in 2015 for a period of three years. Followings are the main activities achieved so far:

- Workshop on communication and research dissemination in Leuven Center for Global Governance, from 7-9/ May/2018/ Ku Leuven Belgium. The aim of this 3 days training is to transfer knowledge and skills to university staff that will be involved on project applications, especially with a view of research communication and research dissemination of large scale projects (example H2020, European research Council).
- Attending a 3-days training in Research and Innovation Management in Sapienza University/ Italy from 24-26 January 2018.

The aim of this 3-days training is to transfer knowledge and skills to university staff that will be involved in newly established Research and Development Project Managements. At the end of the training, the staff should be able to provide technical support to professors and researchers who are planning to develop a project proposals and to support activities t improve Research and Development impact.

- DEV 3.3 Matching Exercise: Kenitra

The main objective of the matching exercise was to present the Jordanian and Moroccan national reports and attempts to match them to match governance procedures, guidelines, principles and priorities to other existing EU partner universities counterparts. The exercise was concluded with regional integrated research and innovation institutional management model.

October 12-13, 2017, Kenitra, Morocco.

- Roundtable on Management Models: 12-13 July 2017/ Amman, Jordan. The main objective of the roundtable was to discuss the comprehensive reports on

innovation and research management landscape. The discussions were focused on producing a Roadmap towards an appropriate and efficient innovation and research models in Jordan and Morocco. The results were fed the roadmap for innovation and research management that will be drafted by Jordanian and Moroccan experts. This meeting was part of MIMIr project (Modernization of Institutional Management of Innovation and Research in South Neighboring Countries- co-financed by the European Commission under the Erasmus + programme).

-National Networking Event held in the framework of the MIMIr project (Modernization of Institutional Management of Innovation and Research in South Neighboring Countries- co-financed by the European Commission under the Erasmus + programme, Action 2). This event was organized in the framework of the 4th Arabic-Euro Conference on Higher Education (AECHE 4) at the University of Mohammed v in Rabat, Morocco, on 25- 26 April 2017.

2. Attending a workshop entitled: The University Governance in collaboration between The Ministry of Higher Education and Scientific Research with the world bank and Center for Mediterranean Integration at Sheraton-Amman in March ,28th 2016.
3. Attending a workshop entitled: Leadership Management Benchmarking for Quality Leadership in Jordanian Universities TAM. Funded by Erasmus+ Programme of the European Union. Amman, Jordan 2016.

4. German- Jordanian Cooperation in Higher Education

The German Rectors' Conference (HRK) supports the German-Jordanian cooperation in higher education and offers platforms for dialogue and exchange for university leaders of both sides. Jordan with its strong higher education and scientific system is one of the most important partner countries in MENA-Region for German universities.

- DIES Information Visit: Public-Private-Partnership “Cooperation between Universities and Business”

29 Nov - 3 Dec 2015

In the context of the DIES- programme (Dialogue on Innovative Higher Education Strategies), the German Rectors' Conference (HRK) organized an information visit to Germany for university presidents from Jordan, Lebanon, Palestine and Egypt.

The 14 presidents visited the Hochschule Coburg, universitat Bamberg and Technische universitat Ilmenau . The three universities represent different types of higher education institutions in Germany, a university of applied sciences, a university with the focus on humanities, social, culture and language sciences and a technical oriented university.

The universities informed on their experience in cooperation with business and industry and presented examples of good praxis. Visits at companies showed the experience and perspective from the industry. An important role is playing the small and middle sized companies the backbone of German economy.

In addition, it has been planned to organize an intensive workshop on “Public Private Partnership” in Jordan, 2016.

- “Stakeholder Involvement in Higher Education in Germany and Jordan”

17/18 November 2012, Amman, Jordan

The DIES seminar on “Stakeholder Involvement in Higher Education in Germany and Jordan” was organised in November, 2014 in Amman, Jordan.

- Jordanian University Presidents Visit Germany

3-5 December 2013, Bonn, cologne, Gießen

In the context of the DIES-programme, the German Rectors’ conference (HRK) organized a fact finding information tour to Germany for Jordanian University Presidents.

- HRK-DIES Seminar “Enhancing Internationalization and Managing Partnerships between Higher Education Institutions in Germany and Jordan”.

12/13 November 2012, Amman, Jordan

By organizing the DIES seminar, the HRK supports the growing interest of German universities in scientific cooperation with universities in the MENA region.

5. Establishing a network of strategic planning experts in the fields of higher education, held at Yarmulke University / Jordan, 30 Oct -1 Nov 2012 sponsored by (ISESCO, J.U.S.T. and Yarmouk University)
6. Participating as a Jordanian Expert in the Third Meeting of International Biotechnology Advisory Committee (IBAC) on New Trends in Biotechnology research and their potential in Member States Sponsored by Islamic Education, Scientific and Cultural Organization (ISESCO)/ Sept. 25-27, 2009 Amman, Jordan. The title of my presentation was Biotechnology in Jordan: Current Practice and Obstacles.
7. Quality assurance for higher education institutions workshop, sponsored by Tempus program and coordinated by the British Council. Amman, 3-7/1/2008.
8. Responding of Arab administration to changes with the beginning of the 21 century. Sponsored by Arab Organization for Administration development, Halab University, Syria from 25-27-2004.

9. Computer Skills, sponsored by the Computer Center at Qatar University, October 2001.
10. Ethical Implications of Gene Therapy, Qatar University Faculty of Science, October 20-22, 2001 with the cooperation with ISESCO and Islamic calls Society.
11. Technology of Education and Evaluation, offered by the Center of Education Technology at Qatar University (October, 2000).
12. Medical Preparation for Radiation and Nuclear Accidents. Middle East Regional Radioisotope Center for The Arab Countries, Cairo, Egypt, October 9-21, 1999.
13. Protection from Ionizing Radiation, held at Cement Company in Al-Fhais-Jordan, February 1998.
14. World Bank and the International Financial Institutions, JUST, June 14-15, 1998.
15. Medicinal and Herbal Plants in Jordan, National Center for Agricultural Research and Technology Transfer (NCARTT), June 28, 1998.
16. Medicinal Plants in Jordan, held at Higher Council of Science and Technology (1997).
17. The Azraq Oasis Conservation Project, held at Jordan University in December 23, 1996.
18. Technology of Education and Evaluation held at J.U.S.T., for a period of two weeks in 1991.
19. Biotechnology in Jordan: Current practice and obstacles (Ahmed Elbetieha) and President of the Conference. First International Conference in Modern Advances in the Field of Biotechnology. October 5th, 2013 Amman, Jordan.
20. Jordan University of Science and Technology as a model of Greening Education (Ahmed Elbetieha and Hani Abu Qdais). International Greening Education Event. October 10-12, 2012. Karlsruhe-Germany.
21. Effects of 50 Hz magnetic field on sex ratio and sperm counts in male rats. 6th International workshop on biological effects of electromagnetic fields. Bodrum/Turky, 10-14 October, 2010.
22. The First National Conference on Ethics of Biology, 23-24, November, 2009, Amman, Jordan. The title of my presentation was on "Cloning and Its Application".
23. The Third Arabian annual Conference on "Recent Trends on Quality Performance of the Universities". Al-Sharejah-United Arabs Emirates, 13-17,

2008. The title of my presentation: Accreditation Criteria of Jordan Universities.
24. International Conference on "Science Parks for the Developing world: Engines of Economic and Social Growth. Amman-Jordan, 15-16 December 2007.
25. Sixth Sesame Users Meeting. November 17-19, 2007. Amman Jordan
26. 1st International Egyptian Jordanian Conference on Biotechnology and Sustainable Development: Current Status and Future Scenarios. National Research Center, December 11-14, 2006, Cairo, Egypt. Potential Application of Animal Biotechnology.
27. Prospect of Biology and related sciences. November 26-28/2006, Aleppo, Syria.
28. Workshop on Graduate Studies in Arabian Universities. November 27-29, 2004. Adan, Yaman.
29. 3rd International Workshop on Biological Effects of Electromagnetic Fields which was held in Kos, 4-8 October 2004
30. **Elbetieha, A.** Embryo Technologies in Farm Animals. In the First Arab Biotechnology Education Conference. Ain-Shams University, Cairo, Egypt, Sept. 13-14, 2000.
31. **Elbetieha, A.,** Al-Akhras, M.A., and Darmani, H. Long-Term Exposure of Male and Female Mice to 50-Hz Magnetic Field: Effect on Fertility and Reproduction. First Conference and Third Scientific day of Faculty of Science and Arts, Jordan University of Science and Technology, May 23, 2000, Irbid, Jordan.
32. The Second Annual Scientific Day of the Faculty of Science and Arts, Jordan University of Science and Technology, Irbid, Jordan. May 24, 1999.
33. First Annual Scientific Day of the Faculty of Science & Arts, Jordan University of Science & Technology, Irbid, Jordan. May 18, 1998.
34. Al-Hamood MH., **Elbetieha, A.,** Alkofahi, A., and Bataineh, H. Antiimplantation and Antifertility Potentials of Jordan Medicinal Plants in Laboratory Animals. Forty Fifth Annual Congress of the Society for Medicinal Plant Research. Sept. 7th-12th 1997, Regensburg- Germany
35. **Elbetieha, A.,** Ijaz, A. and Saadoun, I. Embryo Technologies in Farm Animals. Symposium on "Present and Prospective of Biotechnology in Jordan" Ai-Albait University, April 7-8, 1997. J. Embryo, exp. Morphol. 97, pp. 181-169.

36. **A. Elbetieha**, M. Al-Hamood, A. Alkofahi, and H. Bataineh. Reproductive toxicity potentials of Salvia fruticosa (Labiatae) in rat. The 8th Arab Conference of Biological Sciences & The 4th Jordanian Conference of Biological Sciences, 8-11 November 1997. Amman - Jordan.
37. Ionizing radiations and its biological effects (1991). Control of the environmental pollution. Mu'ta University - Jordan.
38. Forty Ninth Annual Symposium - Society for Developmental Biology - Georgetown University, Washington, DC June 27-30, 1990.
39. Forty Eighth Annual Meeting - Society for Developmental Biology - Berkeley, California, June 18-21, 1989.
40. Anterior Determinants in Chironomus samoensis. In proceedings of The First Arab Conference on Perspectives of modern Biotechnologies in the Arab Countries - Amman, Oct 23, 1989 (pp 532 - 568).
41. Elbetieha, A. and Kalthoff, K. (1986) Microinjection of RNA restores normal body pattern to embryos of Chironomus samoensis: which have been programmed for double abdomen formation by UV irradiation. Fourth Annual Southwestern Developmental Biology Conference - University of Houston, Houston, Texas.
42. Elbetieha, A. and Kalthoff, K. (1986) Bioassay to characterize anterior cytoplasm determinants in Chironomus samoensis eggs. Lost Pines Molecular Biology Conference, UT System cancer, Center, Smithville, Texas.

JOURNAL PUBLICATIONS

1. Ziad W Jaradat, Waseem A. Al Mousa, **Ahmed M. Elbetieha**, Qutaiba O Ababneh, Anas Al Nabulsi, Hyein Jang, Jayanthi Gangireddi, Isha R. Patel, Gopao R. Gopinath, Ben D Tall (2022). Virulence, antimicrobial susceptibility and phylogenetic analysis of *Cronobacter sakazakii* isolates of food origin from Jordan. Journal of Applied Microbiology.
2. Darmani, H., **Elbetieha, A.**, and Bashir, N., (2019). Effect of L-arginine and L-NAME on fertility of female rats. Journal of Applied Biological Sciences, 13 (1), 29-32.
3. Batiha, Osamah; Haifawi, Saja ; Al-Smadi, Mohammad ; Burghel, George; **Elbetieha, Ahmed**; Bodoor, Khaldon; Naber, Zein; Al Sumadi, Aiman; Swaidat, Samira; Abelnour, Amid, ".(2018). Molecular analysis of CAG repeats

- length of the Androgen Receptor gene and Y chromosome microdeletions among Jordanian azoospermic males. *Andrologia*.
4. Nour Abdo, Yousef S Khader, Mostafa Abdelrahman, Munjed Al-Sharif, **Ahmed M. Elbetieha** " Respiratory Health Outcomes and Air Pollution in the Eastern Mediterranean Region: A Systematic Review (2016). *Reviews on Environmental Health (REVEH)*. 31, (2), 259-80.
 5. Yousef S Khader, Mostafa Abdelrahman, Noor Abdo, Munjed Al-Sharif, **Ahmed Elbetieha**, Mazen Malkawi (2016). Exposure to Air Pollution and Pregnancy Outcomes in the East Mediterranean region: a Systematic review. *Int J Pediatr*. 4, 1255-1271.
 6. Yousef S Khader, Mostafa Abdelrahman, Noor Abdo, Munjed Al-Sharif, **Ahmed Elbetieha**, Hamed Bakir, Rola Aleman (2015). Climate change and health in the Eastern Mediterranean countries: A systemic review. *Reviews on Environmental Health*. 30(3), 163-181.
 7. Ziad W Jaradat, Waseem Al Mousa, **Ahmed Elbetieha**, Anas Al Nabulsi, Ben D Tall (2014). Cronobacter, an opportunistic food borne. Pathogen; a review of its virulence and environmental adaptive traits. *Journal of Medical Microbiology*. 63, 1023-1037.
 8. Alkateeb Asem, Al-Khatib Shadi, **Elbetieha Ahmed**, Al-Rashaideh Tasnim (2013). Clinical characteristics and analysis of HFE gene variants (C282Y and H63D) in Jordanian Arab patients with age-related macular degeneration. *The Egyptian Journal of Medical Human Genetics*. 14, 177-181.
 9. ElBatiha Osamah, Al-Ghazo Mohammed, **Elbetieha Ahmed**, Jaradat Saied (2012). Screening for deletions in the AZF region of Y chromosome in infertile Jordanian males. *Journal of Applied Biological Sciences*. 6 (2): 31-34.
 10. Amjad Mahasneh, Amal Jubaili, **Ahmed Elbateiha**, Mohammad Al-Ghazo, Ismail Matalaka, Mosa Malkawi (2012). Polymorphisms of arylamine N-scetyltransferase2 and risk of lung cancer. *Genet.Mol. Biol*. Vol. 35 no. 4: 1-10.
 11. **Elbetieha, Ahmed**, Neveen Tbeileh, Homa Darmani (2011). Assessment of Six Weeks Exposure to Cadmium Chloride on Fertility of Adult Male Mice. *Journal of Applied Biological Sciences*. 5 (3): 13-19.
 12. **Elbetieha Ahmed** and Mervat Merji (2010). Effects of 50 Hz magnetic field on sex ratio and sperm counts in male rats. 6th International workshop on biological effects of electromagnetic fields. Bodrum/Turky, 10-14 October, 2010.

13. Azab Mohammed, Issam Mayyas, **Ahmed Elbetieha**, Ali Shoter, Wael Khamas and Ziad Elnasser (2008). Toxicity Evaluation of Aluminium Chloride on Adult Female Mice. *Journal of Animal and Veterinary Advances* 7(5): 552-556.
14. **Ebetieha, A.**, Al-Thani, A.S., Al-Thani R.K., Darmani, H. Owais., W. (2008). Effects of Chronic Exposure to Cobalt Chloride on the Fertility and Testes in Mice. *Journal of Applied Biological Sciences*, 2 (1): 01-06
15. Massadeh, A., Al- Momani, F. and **Elbetieha, A.** (2008). Assessment of heavy metals concentrations in soil samples from the vicinity of busy roads: Influence on *Drosophila melanogaster* lifecycle. *Biological Trace Elements Research* 122:292-299.
16. Neveen Tbeileh, Ahmed Elbetieha, Homa Darmani, and Wael Khamas (2007). Effects of Long Term Exposure to Cadmium Chloride on Fertility in Adult Male Mice. [Veterinary Research 1\(2\):40-48](#).
17. O.K, AlOmari, W.A. Khamas and **A. Elbetieha** (2007). Effect of oral administration of formalin on blood gases parameters in rats. *Journal of Animal and Veterinary Advances* 6(3): 304-309.
18. AL-Akhras, M.A., Darmani, H., and **Elbetieha, A** (2006). Influence of 50Hz magnetic field on sex hormones in the male rat. *Bioelectromagnetics* 27:127-131.
19. Saadoun, I, Taye, S., **Elbetieha, A.**, and Owais, W.M. (2006). Ability of Insecticidal Formulations to Support Growth of Bacteria and the Absence of Their Mutagenic Activity in the Ames Salmonella Test, *Journal of Biological Sciences* 6(5):875-880.
20. Issam, M., **Elbetieha, A.**, Khamas, W. (2005). Evaluation of reproductive and fertility toxic potentials of aluminum chloride on adult male mice. *Journal of Animal and Veterinary Advances* 4(2): 224-233.
21. Al-Omari Osama, Khamas Wael and **El-Beteiha Ahmed** (2005). Assessment of Fertility and Mating Capabilities in Adult Male Rats after Single Intra-Testicular Injection of Formalin Solution. *Journal of Animal and Veterinary Advances* 4 (6): 615-623.
22. Al-Mahmoud, M., **Elbetieha, A.**, and Al-Muhur, R. (2003). Anticonceptive and antifertility activities of various *Ruta graveolens* extracts in female rats. *ACTA Pharmaceutica Turcica* 45, 203-213.
23. Darmani, H., Al-Hiyasat, A.S., **Elbetieha, A.M.**, Alkofahi A. (2003). The Effect of an Extract of Meswak (chewing stick) on fertility of male and female mice. *Phytomedicine* 10 (1):62-65.

24. **Elbetieha, A.**, and Da'as I. Sahar (2003). Assessment of Antifertility Activities of Abamectin Pesticide in Male Rats. *Ecotoxicology and Environmental Safety* 55 (3), 307-313.
25. Al-Hiyasat, A.S., Darmani, H., and **Elbetieha, A.M.** (2002). Effects of a bisphenol A on adult male mouse fertility. *European Journal of Oral Sciences* 110 (2): 163-168.
26. Al-Thani R.K., Al-Thani, A.S., **Elbetieha, A.**, Darmani, H.(2002). Assessment of reproductive and fertility effects of amitraz pesticide in male mice. *Toxicology Letters* 138 (3), 253-260.
27. **Elbetieha, A.**, Al-Akhras, M.A., and Darmani, I.A., (2002). Long-Term Exposure of Male and Female Mice to 50 Hz Magnetic Field: Effects on Fertility. *Bioelectromagnetics* 23 (2): 168-172.
28. Al-Hiyasat, A.S., Darmani, H., and **Elbetieha, A.** (2002). Effects of resin based dental composite on fertility of male mice. *European Journal of Oral Sciences* 110 (1): 44-47.
29. Al-Hiyasat, A.S., **Elbetieha, A.M.**, and Darmani, H (2000). Reproductive toxic Effects of Long-Term Ingestion of Sodium Fluoride in the Female Rat. *Fluoride*, 33 (2) 79-84.
30. Saadoun, I., Al-Momani, F., Obeidat, M., Meqdam, M., and **Elbetieha, A.** (2001). Assessment of toxic potential of local Jordanian *Bacillus thuringiensis* strains on *Drosophila melanogaster* and *Culex* sp. (Diptera). *J. Applied Microbiology* 90:866-872.
31. **Elbetieha, A.**, Da'as, S.I., Khamas, W., and Darmani, H. (2001). Evaluation of the toxic potentials of cypermethrin pesticide on some reproductive and fertility parameters in the male rats. *Archives of Environmental Contamination and Toxicology* 41 (4): 522-8.
32. Darmani, H., Al-Hiyasat, A.S., and **Elbetieha, A.** (2001). Effects of Sodium Fluoride in drinking water on fertility in female mice. *Fluoride* 34 (4): 242-249
33. Merei, J., **Batiha A.**, Bani Hani I., El-Qudah, M. (2001). Renal; Anomalies in the VATER Animal Model. *Journal of Pediatric Surgery*. 36 (11) : 1693-1698
34. **Elbetieha, A.**, Bataineh, H., Darmani, H. and Al-Hamood, M.H. (2001). Effects of Long-Term Exposure to Manganese Chloride on Fertility of Male and Female Mice. *Toxicology Letters* 119 (3), 193-201.

35. Al-Akhras, M.A., **Elbetieha, A.**, Hasan, M.K., Al-Omari, I.A., Darmani, H., and Albiss, B. (2001). Effect of Low-Frequency Electromagnetic Fields on Fertility of Adult Male and Female Rats. *Bioelectromagnetics* 22:340-344
36. **Elbetieha, A.**, Oran, S.A., Alkofahi, A., Darmani, H., Raies, A.M. (2000). Fetotoxic potentials of *Globularia arabica* and *Globularia alypum* (*Globulariaceae*) in rats. *Journal of Ethnopharmacology* 72, 215-219.
37. **Elbetieha, A.**, Darmani, H., and Al-Hyasat A.S. (2000). Fertility Effects of Sodium Fluoride in Male Mice. *Fluoride*, 33 (3), 128-134.
38. Saadoun, I., AL-Momani, F., and **Elbetieha, A.** (1999). Genetic determinants of active antibiotic-producing soil *Streptomyces*. *Microbiologica*, 22, 233-239
39. **Elbetieha, A.**, Owais, M.W., Saadoun, I. and Hussein, E. (1999). Effect of glutathione L-cystein and L-djenkolic acid in the synthesis and mutagenicity of azide metabolite in *Bacillus Subtilis* ATCC 6633 strain. *Microbiologica*, 22, No. 4 ,315
40. Saadoun, I., **Elbetieha, A.** and Blevins, W. T. (1998) Mutagenesis by ethidium bromide and n-methyl - n'- nitro-n-nitrosoguanidine in off-flavor compounds producing-strains of streptomyces . *Journal of Biosciences*, Volume 23 No.5, 595 - 600.
41. Al-Hamood, M. H., and **Elbetieha, A.** (1998). Biological Clock, New facts about natural timing of living organisms. *Journal of Ajman University of Science and Technology*. Volume 4, No. 1, 71-84.
42. Saadoun, I., AL-Momani, F., and **Elbetieha, A.** (1998). Evaluation of different methods of plasmid extraction from antibiotic-producing strains of *Streptomyces*. *Actinomycetes, ANNO IX- No. 3, 46-51.*
43. Al-Hamood, M. H., **Elbetieha, A.** and Bataineh, H. (1998). Sexual Maturation and Fertility of Male Mice Exposed Prenatally and Postnatally to Trivalent and Hexavalent Chromium Compounds. *Reproduction, Fertility and Development* , Volume 10. Issue 2, pp 179.
44. **Elbetieha, A.**, Al-Hamood, M. H., Alkofahi, A. and Bataineh, H. (1998) Reproductive toxicity potentials of *Salvia fruticosa* (Labiatae) in rats. *Journal of Ethnopharmacology* 66, 67-74.
45. Bataineh, H., Al-Hamood, M. H., and **Elbetieha, A.** (1998) Assessment of aggression, sexual behavior and fertility in adult male rat following long-term ingestion of four industrial metals salts: *Human & Environmental Toxicology* 17, 570-576.
46. Bataineh, H., Al-Hamood, M. H., **Elbetieha, A.**, and Bani Hani, I. (1997). Effect of Long-Term Ingestion of Chromium Compounds on Aggression, Sex

Behaviour and Fertility in Adult Male Rat. Drug and Chemical Toxicology, Volume 20, Issue # 3, pp 133 - 149.

47. **Elbetieha, A.** and Al-Hamood, M. H. (1997): Long-term exposure of male and female mice to trivalent and hexavalent chromium compounds: effect on fertility: Toxicology, 116, 39 - 47.
48. **Elbetieha, A.;** Al-Hamood, M. H. and Alkofahi, A. (1996): Antiimplantation potential of some medicinal plants in female rats. ARCH STD/HIV, 10,181 - 187.
49. Alkofahi, A.; **Elbetieha, A.;** Najib, N. and Al-Khalil, S. (1996). Insecticidal and mutagenic activities of some Jordanian medicinal plants. Alexandria Journal of Pharm. Sci., 10(2), pp. 127-130.
50. Al-Hamood, M. H.; **Elbetieha, A.;** and Al-Maliki, S. J.(1996): Social aggression and fertility in male mice treated with non-steroidal antiestrogens. Advances in Contraceptive Delivery Systems. Vol. 12 pp 201 - 208.
51. Alkofahi, A., Al-Hamood, M. H. and **Elbetieha, A.** (1996): Antifertility evaluation of some medicinal plants in male and female mice. ARCH STD/HIV, Vol 10, 189 - 196.
52. **Elbetieha, A.;** Al-Hamood, M. H.; and Al-Maliki, S. J. (1996): Reproductive performance / postpartum aggression in female mice exposed to progestin via maternal milk. Advances in Contraceptive Delivery Systems, Vol. 12 pp 261 - 267.
53. Al-Hamood, M. H. and **Elbetieha, A.** (1995): Plants and fertility regulation. Journal of Basic and Applied Sciences, National Academy of Scientific Research, Tripoli - Libya, issue No. 1 - 3rd pp.77 - 92.
54. Hunaiti, A.A.; **Elbetieha, A.;** Obeidat, M.A.; and Owais, W.M. (1995). Developmental Studies on Drosophila melanogaster glutathione S-transferase and its Induction by Oxadiazolone. Insect Biochem. Molec. Biology 25, pp 1115 - 1119.
55. **Elbetieha, A.** and Kalthoff, K. (1988). Anterior Determinants in Embryos of *Chironomus samoensis*: Characterization by Rescue Bioassay. Development, 104, pp. 61-75.
56. Kalthoff, k. and **Elbetieha, A.** (1986). Transplantation of localized anterior determinants in *Chironomus* eggs by microinjection. J. Embry. Exp. Morph. 97, 181-19

RESEARCH IMPACT

Google Scholar h-index =24 and i10-index of 34
Citation: 2608 (Date: 24/09/2024)

Researchgate h-index=24
Citations: 2012 (Date: 12/09/2024)

References:

1. Professor Abdalla Malkawi
Former president of Jordan University of Science and Technology
Mobile: +962079766556

2. Professor Mahmoud Al-Shyyab
Former president of Jordan University of Science and Technology
Mobile :+9620796200555