

Fatima-Azzahra Delmani, Ph.D.

Faculty of Applied Medical Sciences- Jerash University
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E-mail: delmanisa@yahoo.com

Date of Birth: 16-08-69

Marital status: Married

Nationality: Jordanian

Languages: English, Arabic, French and Spanish

EDUCATION

Post Doctoral researcher.... 2000-2002

Lund University, Lund, Sweden.

Main task:

The cells in vivo are surrounded by the extracellular matrix and thus exposed to a number of different components simultaneously. Understanding the organization of the extracellular matrix is thus crucial for understanding its functions in development and normal tissue homeostasis as well as in different pathophysiological conditions. We have focused our work on two different proteins / protein families. In the main project we were studying the Aggrecan family G3 domains and their functions. In a second project we were looking for the existence of other proteoglycan family members other than the 4 known ones and assessing the interactions and functions of PRELP, a unique heparin-binding member of the Leucin rich repeats.

Ph.D., Cell and Molecular Biology - November 1999.

University of Seville., Faculty of Biology, Seville-Spain.

Thesis supervisor: Prof. Gregorio Garcia and Dr. Javier Moreno.

Thesis Title: Modifications in the growth kinetic and expression of nucleolar proteins in tumour cells in vitro induced by newly synthesised metallic compounds.

BSc in General Biology - June 1993.

University MOULAY ISMAIL, Faculty of Science, MEKNES-MOROCCO.

EXPERIENCE

- October 2024 Associate Professor of Cell and Molecular Biology. Department of Medical Analysis, Faculty of Applied Medical Sciences, Jerash University. P.O. Box 26150, Jerash, Jordan
- October 2018 - 2024 Associate Professor of Cell and Molecular Biology. Department of Biology, Faculty of Science, Jerash University. P.O. Box 26150, Jerash, Jordan
- October 2013 - 2018 Assistant Professor of Cell and Molecular Biology. Department of Biology, Faculty of Science, Jerash University. P.O. Box 26150, Jerash, Jordan
- October 2018- 2020 Coordinator of the Biology department, Faculty of Science, Jerash University. P.O. Box 26150, Jerash, Jordan
- 2009-October2013 Assistant Professor of Cell and Molecular Biology. Department of Biology, Faculty of Science, Hai'l University. P.O. Box 2440, Hai'l, Saudi Arabia
- 2010-2011 Head of the Biology Department at the Girl's Branch. Hai'l University, Department of Biology Faculty of Science, Hai'l University. P.O. Box 2440, Hai'l, Saudi Arabia
- 2002-2006 Senior Scientist. Department of Oncology / DNA-gene targeting group. University College of London - UK.
(<http://www.ucl.ac.uk/oncology/>).
- 2000-2002 Post Doctoral Researcher. Department of Cell and Molecular Biology / section for connective tissue - Biomedical Centre. Lund University-Sweden.
(<http://www.cmb.lu.se/ctb/>).
- 1997-1999 Part time instructor. Department of cellular biology University of Seville. Seville-Spain.
- 1993-1994. Full time research training at the Phytopathology section. National Institute of Agronomy and Research. Meknes - Morocco

PUBLICATIONS

1. Plasmid profiles and antibiotic resistance of *Pseudomonas aeruginosa* isolated from different clinical samples in Jordan. **Fatima-Azzahra Delmani**, Adnan Salim Jaran, Nasser Mousa Kaplan, Mai Zuhair Alabdullah. and Mariam Abu-Albasal. **Malaysian J of Micro**, Vol 20(2) 2024, pp. 210-215. DOI: <http://dx.doi.org/10.21161/mjm.230260>

2. A new class of pyrrolo[2,3-b]quinoxalines: synthesis, anticancer and antimicrobial activities. Bader A Salameh, Eman H Al-Hushki, Wamidh H Talib, Raed Ghanem, **Fatima-Azzahra Delmani**, and Asma I Mahmod. **Zeitschrift für Naturforschung B J.** April 5, 2024. doi.org/10.1515/znb-2023-0050.
3. A Comparative Study of Mitotic Index and Chromosome Aberrations in Vincristine and Doxorubicin-Treated Normal Female Mice. Rana Almuhr, Abdulrahim Aljamal, Mahmoud Al Shawabkeh. **Fatima-Azzahra Delmani**, Taha Alqadi. and Alia Khwaldeh. **Int. J. Pharmacol.** 20 (1): 115-120, 2024.
4. Effects of Celery Leaf Aqueous Extract on Fertility and Liver Enzyme in Diabetic Male Rats. Abdulrahim Aljamal, Mahmoud Al Shawabkeh, Mariam Abualbasal, Taha Alqadi, **Fatima-Azzahra Delmani**, and Alia Khwaldeh. **Egypt. Acad. J. Biol. Sci. (B. Zoology)**. Vol. 15(2) pp:131-138 (2023). DOI: 10.21608/EAJBSZ.2023.330595
5. Synthesis, Characterization and Biological Evaluation of Metal Adamantyl 2-Pyridylhydrazone Complexes. Ihsan A. Shehadi , **Fatima-Azzahra Delmani** , Areej M. Jaber, Hana Hammad, Murad A. AlDamen , Raed A. Al-Qawasmeh and Monther A. Khanfar. **Molecules**. (2020), 25, 2530; doi:10.3390/molecules25112530.
6. Synthesis and antibacterial activity of some new 1,2,4-triazole derivatives bearing carbohydrazone moiety. Haitham Husein Al-Sa'doni, **Fatima-Azzahra Delmani**, Abdullah Mohammed Al Balushi, Ala'a Hamed Al-Ahmad, Sondos Omar Alsawakhneh and Yaseen Ahmad Al-Soud. **Eur. J. Chem.** (2020), 11(2), 113-119.
7. Serum levels of vitamin E and β -carotene in relation to sex and medical status in a Population from North Jordan. **F.A. Delmani**. **British Journal of Medicine and Medical Research**, (2017), 20(12): 1-10.
8. Characterization of Ampicillin resistant gene (bla_{TEM-1}) isolated from *E.coli* in northern Jordan. **F.A. Delmani**, Adnan S. Jaran, Yaser Al Tarazi, Hani Masaadeh, and Omar Zaki. **Asian Journal of Biomedical and Pharmaceutical Sciences**, (2017), 7(61): 11-15.
9. Biological activity of the water soluble complex *trans*-dichloro-1, 2-propylenediamine-N,N,N',N'-tetraacetate ruthenium (III) (RAD). **F Delmani**, A. Jaran, R Vilaplana, F Gonzalez-Viltchez, J Torreblanca, J Moreno, & G Garcia-Herdugo. **Asian Journal of Biology and Life Science**, (2016), 5(3): 253-259.
10. Levels of Serum Ascorbic Acid in a Population of North Jordan. **Fatima-Azzahra Delmani**. **International Journal of Biochemistry Research and Review**, (2016) 10(1): 1-8.
11. Evaluation of the clastogenicity of SJG-136, a novel pyrrolobenzodiazepine DNA interstrand cross-linking agent, in comparison with nitrogen mustard (HN2). **F. Delmani**, J.A. Hartley and D. Thuston. **Annual Research & Review in Biology**, (2015), 7(6): 378-389.
12. *In vitro* expression and redistribution of UBF and Fibrillarin in two different human cell lines following the treatment with *cis*-dichloro-1,2-propylene-diamine-N,N,N',N'-tetraacetate ruthenium (III) (RAP). **F Delmani**, J

- Torreblanca, J Moreno, G Garcia-Herdugo, R. Vilaplana, and F.Gonzalez-Viltchez. **Indian Journal of Experimental Biology**, (2014), 52: 579-588.
13. Kinetics of thermal and photolytic degradation of decabromodiphenyl ether (BDE 209) in backcoated textile samples, Raed Ghanem, **Fatima-Azzahra Delmani**, **Journal of Analytical and Applied Pyrolysis**, (2012), 98:79–85.
 14. In vitro expression and redistribution of nucleolar proteins following the treatment with cis-dichloro-1,2-propylenediamine-N,N,N',N'-tetraacetato ruthenium (III) (RAP). **F Delmani**, J Torreblanca, J Moreno, G Garcia-Herdugo, R. Vilaplana, and F.Gonzalez-Viltchez. **Oncology Research**. (2009), 17(9): 425-435.
 15. Determination of Hexabromocyclododecane in backcoated textile preparation. R. Ghanem, H. Baker, and **F.A. Delmani**. **Asian Journal of Chemistry**. (2007), 19 (2): 921-928.
 16. Synthesis, interaction with double-helical DNA and biological activity of the water soluble complex cis-dichloro-1,2-propylenediamine-N,N,N',N'-tetraacetato ruthenium (III) (RAP). Vilaplan R, **Delmani F**, Manteca C, Torreblanca J, Onorato J, Garcia-HerdugoG, Gonzalez-Viltchez F. **Journal of Inorganic Biology and Chemistry**. (2006), 100 (11): 1834-41.

CONFERENCES AND WORKSHOPS

- Biotechnology for food security conference.
Faculty of Science, Jerash-Jordan 23-25 April 2024.
- Breast Cancer Day workshop.
Faculty of Science, Jerash-Jordan 27 Novembre 2022
- Workshop on the assessment of ecosystem services “تقييم خدمات النظم البيئية”
Jerash-Jordan 19 April 2017
- Workshop on Climate Change, Sustainable Agriculture and Food Safety.
Amman-Jordan 17 April 2017.
- International Conference of Chemistry and Bioscience ICCB.
Al Bayt University-Al Mafraq-Jordan 5-6 April 2017.
- The Arabian Chemist day workshop.
Jerash –Jordan 31 October 2016, Faculty of Science, Jerash University.
- 2^d Conference in Advances in Cell Biology
Los Angeles- USA 18-20 March 2016.
- Workshop on the strategies for an effective university evaluation
"استراتيجيات التقويم الجامعي الفعال". Jerash - September 28- October 02/ 2014
- 13th meeting of Jordanian Chemical Society "Chemistry and Recent Scientific Challenges"
Jerash - November 2013
- 28th meeting of the Saudi Biological society "Eco tourism and sustainable development"
Hai'l - April 2013
- Advanced analytical instrumentations and solutions for academia workshop
Hail - November 19/2012
Member of the organizing team
- Application of statistical methods in science workshop

- Hail University - Faculty of Science November 17-18 /2012
- Member of the organizing team
- Mastering Biology workshop - Pearson education
Hail - May 2012
- Safety principles and practices in the laboratory workshop
Hail - February 25-26 /2011
- Environment week workshop
Hail - December 19-24 /2010
- 1st Van Humboldt German-Middle East International Conference
Amman-Jordan - May 10-11 /2009
- The 2001 Frank Wollheim Symposium "Cutting Edge Rheumatology"
Lund-Sweden - May 18 /2001).
- VIII Congress of the "Spanish Society of Cell Biology"
Granada-Spain December 17-21 /1999

FELLOWSHIP AND MEMBERSHIP

- Member of the Saudi Association for Biological Sciences.
- Member of the Science Advisory Board.
- Scholarship from AECI "the Spanish agency for international cooperation"
University of Seville-Spain (1998-1999).

COMMITTEES

- Quality control officer at the faculty of Science, Jerash University. 2016-2017 Jerash Jordan.
- Member of the Quality Control Committee at Jerash University 2016-2017, Jerash Jordan
- Member of the Faculty Committee. **2014-2015/ 2016-2017**. Faculty of Science. Jerash University.
- Chairman of the Academic Programs Committee. **2010-2011**. Biology Department. Faculty of Science - Girl's branch. University of Hail Saudi Arabia.
- Development of academic courses for General Biology, Biotechnology and Bioinformatics and Environmental Sciences Majors. Biology Department. Faculty of Science. University of Hail Saudi Arabia.
- Member of the Scientific Research committee. **2011-2013**. Faculty of Science - Girl's branch. University of Hail Saudi Arabia.

TEACHING PHILOSOPHY:

My teaching philosophy could be summarized as follow: I prefer the interactive course where we can plan the course and supply the student with the material which means that the student will work for the course and not just study the course.

TEACHING EXPERIENCE:

Taught courses
General Biology (science and nursing majors)

Molecular Biology
Cytogenetics
Genetics
Recombinant DNA technology
Introduction to Biotechnology
Genomics
Microbiology (science and nursing majors)
Virology
Cell Biology
Immunology
Microbial Genetics
Industrial Microbiology