



Dima Alkadri

Date of birth: 22/11/1979 | **Nationality:** Jordanian | **Gender:** Female |

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Address: Department of Nutrition and Food Science, Faculty of Agriculture, Jerash University, Jerash, Jordan (Work)

● ABOUT ME

Assistant Professor -Department of Nutrition and Food Science, Faculty of Agriculture, Jerash University, Jerash, Jordan

● WORK EXPERIENCE

10/10/2023 – CURRENT Jerash, Jordan

ASSISTANT PROFESSOR AND RESEARCHER JERASH UNIVERSITY

Academic Staff and researcher at department of Nutrition and Food Sciences, Faculty of Agriculture at Jerash University

Indexes and ranks:

• **ResearchGate score:**

Research Interest Score

133.9

Citations

227

h-index

4

• **Google Scholar:**

All

Since 2019

Citations

270

158

h-index

6

5

i10-index

5

3

ORCID number: <https://orcid.org/my-orcid?orcid=0009-0002-5028-506X>

SCOPUS ID: 53983623400

Research Interests:

- Mycotoxins in Food
- Food Safety
- Psychology health
- Nutrition biochemistry

01/02/2014 – 31/12/2014 Bologna, Italy

POSTDOCTORAL WORKING EXPERIENCES DEPARTEMENT OF AGRICULTURAL SCIENCES-
UNIVERSITY OF BOLOGNA

My research was : Supporto ad analisi micologiche ,biologiche ed immunoenzimatiche in seme di cereali.
This research was financed by the European Union and the Italian government

15/03/2013 – 31/12/2013 Bologna, Italy

POSTDOCTORAL FELLOWSHIP INSTITUTE OF ADVANCED STUDI- UNIVERSITY OF BOLOGNA

My research was (Strategies to contain the mycotoxin producer agents of Fusarium headblight in cereals):

Characterization of toxigenic Fungi and their mycotoxins in plants and food commodities

Setting up greenhouse and field trials to assess the pathogenicity of Fusarim strains on durum wheat

Use of natural and biological antagonists against Fusarium headblight agents on wheat

Molecular techniques (PCR), analytical techniques (ELISA,HPLC,LC/MS-MS), spectrophotometer and other facilities

05/11/2012 – 05/03/2013 Bologna, Italy

POSTDOCTORAL WORKING EXPERIENCES DEPARTEMENT OF AGRICULTURAL SCIENCES
UNIVERSITY OF BOLOGNA, VIALE FANIN 40

My research Project was:

Supporto alla caratterizzazione di ceppi fungini siriani associati alla Fusariosi della spiga per iparametri micotossine patogenicit .

This project was financed by the European Union

2012 – 2013

PROFESSOR ASSISTANT DEPARTEMENT OF AGRICULTURAL SCIENCES- UNIVERSITY OF BOLOGNA

15/04/2012 – 15/08/2012 Bologna

POSTDOCTORAL WORKING EXPERIENCES DEPARTEMENT OF AGRICULTURAL SCIENCES, VIALE
FANIN-40

My research project was:

supporto allo studio di selezione/o cultivar di frumento di provenienza siriana nei confronti degli agenti della fusariosi della spiga.

This project was financed by the European Union

2011 – 2012 Bologna, Italy

PROFESSOR ASSISTANT DEPARTEMENT OF AGRICULTURAL SCIENCES UNIVERSITY OF BOLOGNA

03/2010 – 12/2010 Bologna, Italy

ERASMUS TUTOR FACULTY OF AGRICULTURE-BOLOGNA UNIVERSITY

Tutor in the Faculty of Agriculture-University of Bologna for the exchange students in ERASMUS program between Bologna University and other European's universities

Responsible of:

- Answering the questions for the exchange students
- Supporting the students in filling up all their paper works concerning the program

Address Viale Fanin, 42 Bologna, 40100, Bologna, Italy

09/2002 – 04/2009 Damascus, Syria

LECTURER DEPARTMENT OF FOOD SCIENCE-DAMASCUS UNIVERSITY

In the department of Food Science- Faculty of Agricultural Engineering- Damascus University I taught the students parts of different courses: Biochemistry, Organic chemistry, Food processing and Food spoilage.

The lectures concerned in:

- Conducting the experiments
- Safety work procedures in the Lab
- Detection of different components in the food and feed (Proteins, fat,...,etc.) by using different techniques
- Isolation and characterization of microorganisms from different food and feed
- Different methods of food processing

Address Barzah-Al Adawi highway, Damascus, Syria

● EDUCATION AND TRAINING

1993 – 1996 Damascus, Syria

BACCALAUREATE (HIGH SECONDARY SCHOOL) Ghassan Abboud Secondary School

Student

Field of study Scientific branch | **National classification** magna cum laude

1997 – 2002 Damascus, Syria

AGRICULTURAL ENGINEERING-FOOD SCIENCE Department of Food Science-Faculty of Agricultural Engineering- University of Damascus

Basic and applied sciences related to food science
Title of the thesis "Estimation of carbohydrates in Syrian raisin and molasses using

Field of study Food Science-Agriculture | **National classification** magna cum laude- Rank 1st

01/09/2001 – 29/10/2001 Giessen, Germany

TRAINEE Institute of Animal Breeding and Genetics-Faculty of Agricultural Science-Justus Liebig University

- Involvement in research programs considering behavior and keeping of piglets and rabbits
- Analysis of vocalization of rabbit pups using different statistical programs and statistical procedures like multiple Student-Newman-Keuls test
- Participate in experiments with sows and piglets using Observer/Video Tape Analysis System (Infrared Camera) for evaluation of behavioral parameters in farm animals

Field of study Agriculture and Veterinary Medicine

19/08/2002 – 21/10/2002 Giessen, Germany

TRAINEE Faculty of Veterinary Medicine-University of Justus Liebig

- Analyses and methods related to field of milk hygiene

- Cytological analysis of cow's milk for somatic cells (Coulter Counter, microscopic determination)
- Bacteriological analyses and differentiation of pathogenic bacteria as *Streptococci*, *Staphylococci*

Field of study Agriculture and veterinary Medicine

01/01/2007 – 01/01/2009 Damascus, Syria

MASTER IN AGRICULTURAL ENGINEERING- FOOD SCIENCE Faculty of Agricultural Engineering-
Damascus University

Title of the thesis "Studying the effect of processing and storage of the processed cheese on the levels of some mycotoxins"

My research activity included:

- Survey of the existence of aflatoxins in processed cheese samples from different Syrian local markets
 - Isolation and morphological identification of fungi from cheddar and fresh cheese incubated at two different temperatures (4 and 25°C)
 - Determination of B1, B2, G1, G2, M1, M2 aflatoxin levels by HPLC in:
 - 1) *Aspergillus flavus* strain isolated from cheddar and fresh cheese
 - 2) Cheddar and fresh cheese samples inoculated with isolated *Aspergillus flavus* strain
 - 3) The main component of processed cheese (inoculated cheese, butter, dry milk)
 - 4) Processed cheese samples submitted at different treatments
- HPLC and Fluorometer with immunoaffinity columns techniques were used

National classification Excellent

01/01/2009 – 10/04/2012 Bologna, Italy

EUROPEAN PHD IN FOOD SAFETY Faculty of Agriculture- University of Bologna

Title of the thesis " *Fusarium* species responsible for mycotoxin production in wheat crop: involvement in food safety "

My research activity included:

- Mycoflora isolated from wheat kernels and characterization of *Fusarium species* from kernels of two Mediterranean countries, Syria and Italy
 - Screening and quantification of mycotoxin produced by Syrian *Fusarium species*
 - Detection of mycotoxins in Syrian and Italian wheat kernel
 - Comparison of the aggressiveness between Syrian and Italian *Fusarium culmorum* strains
 - Validation of a modified Petri-dish test to quantify aggressiveness levels of *Fusarium culmorum* in durum wheat
 - Behavior of Syrian durum wheat cultivars in field and growth chamber tests
- Using:
- Molecular techniques (PCR), analytical techniques (ELISA, HPLC, LC/MS-MS), Spectrophotometer

Field of study Agroenvironmental Science and technology

01/02/2011 – 20/05/2011 Valencia, Spain

TRAINEE Department of toxicology- faculty of Pharmacy- Valencia University

My research activity included:

- Detection of different mycotoxins in wheat kernels by HPLC-MS-MS technique
- Detection of *Fusarium* mycotoxins secreted on different cultures by HPLC-MS-MS

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ITALIAN	B1	B1	B1	B1	B1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GER	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ADDITIONAL INFORMATION

PUBLICATIONS

Is mental health influenced by life skills training program among adolescents? A systematic review and meta-analysis protocol

– 2024

JOURNAL OF JILIN UNIVERSITY (Engineering and Technology Edition) JILIN DAXUE XUEBAO. Vol:43 Issue: 01:2024 .

D.S. Swamy, Asha Morla, Uppu Praveen, Gabir Tia, Eltayeb Idress, Gihan Salem, Dima Alkadri.

Moringa Oleifera: Recent Insight for its Biochemical and Medicinal Applications

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– 2024

Mohamed Afifi, Aser AbdulAzim , Dima Alkadri. Journal of Food Biochemistry. Vol.2024 Page 21

The Reno and Hepatoprotective Effects of SAMAWA plant (Cleome droserifolia) Methanolic Extract against Adrenaline-Induced Adverse Effect to Male Rats. Journal of Advanced Veterinary Researche.

– 2023

Journal of Advanced Veterinary Researche. Vol.13.(10).

Abou Haleka S, Rashwan H, Gad EL Hak H, Alkadri D, Abdel Razek H.

Pathogenicity and mycotoxin chemotypes of Iranian Fusarium culmorum isolates on durum wheat, and comparisons with Italian and Syrian isolates.

– 2015

Vol. 54, No. 3 (December 2015), pp. 437-445 (9 pages)

Motallebi, P., Alkadri, D., Pisi, A., Nipoti, P., Tonti, S., Niknam, V., Hashemi, M., & Prodi, A.

Assessment of Different Resistance Types of Syrian Durum Wheat Cultivars Towards FHB Agent. –

2015

Plant Pathology Journal. DOI: 10.3923/ppj. scialert.net/qredirect.php?doi=ppj.0000.71856.71856&linkid=pdf (Article)

Alkadri Dima, Tonti Stefano, Amato Barbara, Nipoti Paola, Pisi Annamaria and Prodi Antonio.

Natural co-occurrence of mycotoxins in wheat grains from Italy and Syria. Alkadri, D., Rubert J., Prodi A., Pisi A., Mañes J., Soler C.

– 2014

Food Chemistry. Volume 157, Pages 111-118

Study of Fungal Colonization of Wheat Kernels in Syria with a Focus on Fusarium Species – 2013

International Journal of Molecular Sciences 14(3):5938-5951

Alkadri D., Nipoti P., Döll K., Karlovsky P., Prodi A., Pisi A.

Validation of a modified Petri dish test to quantify aggressiveness of Fusarium graminearum in durum wheat. European Journal of Plant Pathology 132:381-391

– 2012

European Journal of Plant Pathology 132:381-391

Purahong W., Alkadri D., Nipoti P., Pisi A., Lemmens M., Prodi A. 2012.

Determination of deoxynivalenol and nivalenol producing chemotypes of *Fusarium graminearum* isolated from durum wheat in different Italian regions. *Plant Breeding and Seeds Science* 64: 76-80

- 2011

Prodi A., Salomoni D., Bertacchini E., Alkadri D. et al. *Plant Breeding and Seeds Science* 64: 76-80

NETWORKS AND MEMBERSHIPS

Memberships Association of Jordanian Agricultural engineers- since 2016

Association of Syrian teachers -since 2002

Association of Syrian engineers- since 2002

HONOURS AND AWARDS

Honours and awards -Awarded PostDoc for one year from the Institute of Advanced Studies (Istituto di Studi Avanzati (ISA) in 2013.

-Awarded ERASMUS MUNDUS Scholarship from European Union to study PhD for 3 years.

-Awarded Albasel prize for the academic excellence as first rank in all the 5 years of my first degree study.

ORGANISATIONAL SKILLS

Organisational skills - Good experience in project management.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills - Team spirit.

- Good ability to adapt to multicultural environments.

- Good communication skills.

JOB-RELATED SKILLS

Job-related skills

Experience in : food control processes, molecular biology and chemical analysis

CONFERENCES AND WORKSHOPS

01/01/2010 – 31/12/2013

Conferences and workshops

Dalanaj N., Gaggia F., Baffoni L., **Alkadri D.**, Nipoti P., Di Gioia D. 2013. Lactic acid bacteria [LAB]: potential for control of *Fusarium* growth. 12th European *Fusarium* Seminar. Mycotoxins, Taxonomy, Genomics, Biosynthesis, Pathogenicity, Resistance, Disease Control. 12th-16th MAY 2013. Bordeaux -France. P128

- Gaggia F., Dalanaj N., Baffoni L., Prodi A., **Alkadri D.**, Biavati B., Di Gioia D. 2013. Microorganisms as biological agents against pathogenic fungi of agricultural interest. Proceedings of the 5th International Symposium on Plant Protection and Plant Health in Europe, 26-29 May, Berlin (Germany), 187. ISBN: 978-3-941261-11-2

- Tonti S., Prodi A., Dal Prà M., **Alkadri D.**, Amato B., Alberti I., Nipoti P., Pancaldi D. 2011. *Fusarium graminearum*, *F. culmorum* and *F. poae* as potential producers of mycotoxins on durum wheat, growing Northern and Central Italy. Proceedings of Power of Fungi and Mycotoxins in Health and Disease – Primošten (Croatia) 19-22/10/2011, 98.

- **Alkadri D.**, Abu Ghurra S., Safar A., Prodi A., Pisi A. 2010. Effects of processing and storage on aflatoxins levels in processed cheese from cheddar and Fresh cheese. MycoRed Workshop "Mycotoxicological risks in Mediterranean countries: economic impact, prevention, management and control" Cairo, Egypt 25-27 October 2010 (Oral presentation).

- **Alkadri D.**, Salomoni D., Tonti S., Nipoti P., Pancaldi D., Alberti I., Prodi A. 2010. Mycotoxigenic *Fusarium* population in Syrian wheat kernels. MycoRed Workshop "Mycotoxicological risks in Mediterranean countries: economic impact, prevention, management and control" Cairo, Egypt 25-27 October 2010.

- Prodi A., Salomoni D., **Alkadri D.**, Tonti S., Nipoti P., Pisi A., Pancaldi D. 2010. Presence of deoxynivalenol and nivalenol chemotypes of *Fusarium culmorum* isolated from durum wheat in some Italian regions. XV Convegno Nazionale SIPaV, 14-17 Settembre 2010, Firenze, 48.

- **Alkadri D.**, Salomoni D., Tonti S., Nipoti P., Pancaldi D., Pisi A., Prodi A. 2010. *Fusarium* population in Syrian wheat seeds. 13th Congress of the Mediterranean Phytopathological Union, Rome, 20-25 June 2010. *Petria* 20, 2: 105.

