



MANAL ABUAGELA

CONTACT INFORMATION

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EXPERIENCE

HEAD COMMITTEE MEMBER AT THE LIBYAN SUSTAINABLE DEVELOPMENT CONFERENCE • MINISTRY OF SOCIAL AFFAIRS • OCTOBER 2020-PRESENT

- Editorial reviewer.
- Conference managements committee.
- Founding member

• NUTRITIONAL CONSULTANT • INTERSOS • JULY 2020- PRESENT

- Situation analysis
- Prepared a validation workshop
- Devised an implementation plan
- Designed training material for children
- Designed training material for adults
- Trained INTERSOS staff, parents' committees, and CBOs.
- Supervisor chef preparing meals for school children.

PROFESSOR • UNIVERSITY OF TRIPOLI • OCTOBER 2019-PRESENT

Subjects taught:

- Food Quality
- Food Safety
- Clinical Health
- Introduction to Nutrition

LAB ASSISTANT • UNIVERSITY OF FLORIDA • 2014-2017

- Food processing lab assistant
- Worked on: Inactivation of Lipoxygenase in soybeans by a novel processing technique called pulsed UV light.
- Detoxification of aflatoxins in peanuts by Pulsed UV light.
- Taste panelist.

ADV FOOD PROCESSING CLASS INSTRUCTOR • UNIVERSITY OF FLORIDA • 2015

PROFESSOR • NASER UNIVERSITY • 2007-2013

Subjects taught:

- Sensory evaluation
- General microbiology
- Food fermentation
- Report writing
- Field experiment design
- Supervisor over undergraduate students' research at the Department of Biotechnology

PROFESSOR • ALGHEIRAN FOOD SCIENCE INSTITUTION • 2006-2009

Subjects taught:

- Food chemistry
- Introduction to nutrition
- Biochemistry
- Oil production
- Food engineering
- Food introduction
- Food packaging
- Sensory evaluation

QUALITY CONTROL MANAGER • LIBYAN JAM COMPANY • 2003-2006

- Food sensory evaluation manager monitoring the quality control of jams in the food company

LAB ASSISTANT • UNIVERSITY OF TRIPOLI MEDICAL SCHOOL • 2001-2005

- Microbiology lab assistant at the University of Tripoli Medical School, in Dr. Khalifa Ghenghesh's lab

SECONDARY SCHOOL TEACHER • ALANDALUS HIGH SCHOOL • 1999-2005

Subjects taught:

- Organic chemistry
- General chemistry

ELEMENTARY SCHOOL TEACHER • ALKETAB ALAKHDAR SCHOOL • 1996-1999

Subjects taught:

- General Chemistry
- Biology

EDUCATION

PHD IN FOOD SCIENCE AND HUMAN NUTRITION • DECEMBER 2017 • UNIVERSITY OF FLORIDA

- Food Science and Human Nutrition department, University of Florida, Gainesville, FL
- Financed 100% of college tuition by Libyan Government scholarship
- Research focuses on: Inactivation of aflatoxin B₁, B₂ in with-skin and without-skin peanuts using a new technique called Pulsed UV Light without affecting the sensory attributes and nutritional value of peanuts.

MASTER'S DEGREE IN FOOD SCIENCE • MARCH 2006 • UNIVERSITY OF TRIPOLI

- My research focused on isolating and identifying the pathogenic bacteria *Escherichia Coli 0157:H7* in 210 samples of raw and cooked minced meat that are collected from 120 different restaurants, hotels, and butcher shops around Tripoli.

BACHELOR'S DEGREE IN FOOD SCIENCE AND HUMAN NUTRITION • MARCH 1993 • UNIVERSITY OF TRIPOLI

Department of Food Science and Human Nutrition in Tripoli, Libya

LEADERSHIP AND AWARDS

- **PRESIDENT OF THE GENERAL ASSEMBLY OF THE SCHOOL NUTRITION ASSOCIATION**
- **FOUNDER OF SALOOF " NUTRITION AND PUBLIC HEALTH ORGANAIZATION (SNH,NGO)"2021.**
- **RESEARCHGATE MEMBER**

Awarded: gating 50 citation in publication in one year.

- **FOUNDING MEMBER • LIBYAN SUSTAINABLE DEVELOPMENT CONFERENCE**

Founding member and speaker at the sustainable development conference

CO- FOUNDER • ALBANON CHARITY • DECEMBER 2011

This organization takes care of children from poor and war struck families, registers them in schools, sends them money, clothes, and blankets in the winter and helps them find proper places to live. The Libyan government has awarded all the social organization's members for their support to poor families during and after the war.

CO- FOUNDER • FLORAL COMPETITION • 1993

This competition became an official competition throughout the country, held annually at the beginning of April of each year. The competition's profits went to families in need.

AWARDS: Awarded as co-founder and participant of several events and conferences including IFT-US.

Awarded as a nutritional consultant with WFP at INTERSOS.

Awarded as a founder of the floral competition of 1993, and as a winner of the second place in 1994.

SKILLS

- **LAB SKILLS:** Bacteria culturing, Fungi culturing, PCR, QPCR, ELISA technique, HPLC/MS, Gas chromatography. Soxhlet extraction, Western plot technique. Cereal quality control parameters determination methods.
- **SENSORY EVALUATING:** taste panel preparing, evaluating, and data analysis.
- **LANGUAGES:** English (fluent), Arabic (Native), Italian (conversationally fluent).
- **COMPUTER:** Microsoft Office 2016, Excel, PowerPoint. SPSS.

CONFERENCES

HEAD SPEAKER and Conference chair

- The first Libyan development sustainable conference for the ministry of social affairs. 2020

POSTER PRESENTER • INSTITUTE OF FOOD TECHNOLOGY • JULY 2017

- Member and presenter: Presented on the inactivation of Aflatoxins B₁, B₂ in peanuts by Pulsed UV light technique with citric acid.

POSTER PRESENTER • INSTITUTE OF FOOD TECHNOLOGY • JULY 2016

- Member and presenter: Presented on the inactivation of Aflatoxins B₁, B₂ in peanuts by Pulsed UV light technique.

POSTER PRESENTER • University of Florida innovative conference 2017

- Member and presenter: Presented on the inactivation of Aflatoxins B₁, B₂ in peanuts by Pulsed UV light technique.

ORGANIZATION WORK

- **SALOOF. NGO**
Non governmental organization for nutrition and public health (CEO).
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- **INTERSOS • 2020**
Non governmental humanity organization team member.
- **NATIONAL LIBYAN CHILDREN ORGANIZATION • 2019**
Manager of annual meeting of Libyan civil organizations.

- **FLORIDA STATE HORTICULTURE SOCIETY (FSHS). • 2017**
- **INSTITUTE OF FOOD TECHNOLOGY (IFT) • 2016-2018**

- **HIGHER COMMITTEE OF CHILDREN'S NUTRITION. • 2006-2020**

Member of the committee formed in order to insure children a healthy nutrition.

ORAL PRESENTATIONS

HEAD SPEAKER and Conference chair , the first Libyan development sustainable conference for the Ministry of Social Affairs. 2020

- Presentation about the effect of school meals program on the development sustainable of Libyans.

HEAD SPEAKER, AT THE 130TH ANNUAL MEETING OF FLORIDA STATE HORTICULTURE SOCIETY • 2017

- presentation on the inactivation of Aflatoxins B1, B2 in with and without skin peanuts.

HEAD SPEAKER, THE 6TH CONFERENCE OF THE ARABIC PHYSICIANS, TRIPOLI, LIBYA • 2006

- Presented on the most dangerous pathogenic bacteria have been founded in the minced meat in Tripoli and their effect on public health. Thousands of peoples from all north African countries were attended this conference.

PUBLICATIONS

- Effects of atmospheric pressure plasma jet treatment on aflatoxin level, physiochemical quality, and sensory attributes of peanuts.
Journal of food processing and preservation. Abuagela, Manal (2019)

- Combined effects of citric acid and pulsed light treatments to degrade B-aflatoxins in peanut Food and Bioproducts Processing. Food and Bioproducts Processing. (2019)
- Abuagela Manal, Iqdam Basheer, Hussein Mostafa, Liwei Gu, Matthew E. Smith Paul J. Sarnoski. Assessing pulsed light treatment on the reduction of aflatoxins in peanuts with and without skin. International Journal of Food Science & Technology. (2018)
- Abuagela Manal, Iqdam Basheer, Baker George, and Andrew MacIntosh Temperature –controlled Pulsed Light treatment: impact on aflatoxin level and quality parameters of peanut oil. Food and Bioprocess Technology. (2018)
- Basheer Iqdam, Manal Abuagela, Renee Goodrich-Schneider, Sara Marshall, Charlie Sims and Andrew MacIntosh. Using High Power Ultrasound Pre-Treatment to eliminate the aflatoxins in peanuts. Journal of Food Engineering. University of Florida, USA (2018)
- Hussein Mostafa, Basheer Iqdam, Manal Abuagela, Maurice R. Marshall, Pratap Pullammanappallil, and Renee Goodrich-Schneider. (2018). Treatment of Olive Mill Wastewater Using High Power Ultrasound (HPU) and Electro-Fenton (EF) Method. Under co-author review. (2018)
- Iqdam M. Basheer, Abuagela Manal, Yavuz Yagiz, Renee Goodrich-Schneider, George L. Baker, Welt Bruce, and Maurice R. Marshall. (2018). High Power Ultrasound Treatment and Control of Oxygen Concentration: Impacts on Yield Efficiency and Quality of Extra Virgin Olive Oil. Under co-author review. (2018)
- Abuagela Manal, Liwei Gu, Mathew Smith, and Paul Sarnoski Inactivation of Aflatoxins B1, B2 in Peanuts by Pulsed Light (PL). UF online library. (2017)
- Online article on *Mortierella alpina* on Zygomycetes Encyclopedia (EOL) (2015)

- Naser university annual journal. Abuagela. 2009. Escherichia coli 0157:H7 in Libyan minced meat. Sok-Alahad, Libya. (2009)
- Afak Tebia annual medical magazine in its 2006 volume. Abuagela. Escherichia coli 0157:H7 in cooked and raw Libyan kofta. Tripoli, Li

