**Dr. Fouad Alsammarraie**

**Personal information:**

**Address:**Baghdad, Sec. 631, St. 28, house# 110

**Emails:** f\_k\_s1976@covm.uobaghdad.edu.iq

 fouadkamil76@gmail.com

Missouri email: fka55c@mail.missouri.edu

**Phone:** +964 (0)7730017672

**RESEARCH INTERESTS:**

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# Nanotechnology

# Application of nanotechnology in food science

# Food Safety

Food Microbiology

Detection chemical contaminants in food products using novel nanotechnology

**EDUCATION:**

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# Bachelor degree in VeterinaryMedicine&Surgery October 1994 - July 1999 College of Veterinary Medicine, University of Baghdad,Iraq

**Major courses taken:** Anatomy 1, Advanced Anatomy, Genetic, Statistics, Chemistry, Biology, Organic Chemistry, Physiology, Nutrition, Histology, Biochemistry, Immunology, Pathology, Parasitology, Microbiology, Pharmacology, and Toxicology, Infectious diseases, Poultry diseases, Surgery, Internal medicine, Reproductive & Fertility, Foodhygiene.

GPA 3.4 / 4.00

**Vet.M.Sc. October 1999- July2002**

# College of Veterinary Medicine, University of Baghdad, Iraq

**Thesis title: Caseous Lymphadenitis in Sheep Carcasses in Baghdad Abattoirs**

**Major courses taken**: Food Microbiology, Meat hygiene, Meet hygiene, Biostatistics, Animal hygiene, Animal nutrition, Animal care,Foodhygiene. GPA 3.96 / 4.00

**Ph.D. in Food Sci. & Nanotechnology/ University of Missouri-Columbia/ United States of America December 2019**

**Residential Address:** 1401 Ashland Rd, Columbia, MO 65201

**Department Address:** 246 William Stringer Wing, Eckles Hall, 1406 E. Rollins St. University of Missouri

Columbia, MO 65211

Phone: 573-882-4113

**GRANTS AND AWARDS:**

# Scholarship from Ministry of higher education and scientific research/ Iraq 2012

* Robert T. Marshall Award(2015).
* Eugene V. Nay Scholarship for Graduate Student(2016).
* Anheuser Busch Fellowship Scholarship(2017).
* Travel scholarship from Food Science Dept.(2017).
* Student travel awards – graduate students from Mizzou Advantage(2017).
* The Dr. J.E. Edmonson Scholarship(2018).
* Eugene V. Nay Scholarship(2019).

**WORK EXPERIENCE**

Supervisor inBaghdadabattoirs **November 2003 - November 2004** Vet. Supervisor in K-9 Unit at BaghdadPoliceAcademy **August 2004- September 2006** Faculty member in College ofVeterinaryMedicine, **July 2005- Present Time** University of Baghdad,Iraq

# RESEARCH EXPERIENCES

* Nanotechnology
* Food Microbiologyfield
* Meat hygiene standardrules

# PUBLISHED RESEARCH

1. Using Standing Gold Nanorod Arrays as SERS Substrates for Detection of Pesticide Residues in Fruit Juiceand Milk **Journal of Agriculture and Food Chemistry, January2017**
2. Hygiene and Nutritional Values of Carp Fish and Effect of Freezing on it Compared to FreshOne

# AL- anbar Journal of Veterinary Science, 2011

1. Effect of Using Varying Ratio of Fat with Minced Meat on BacterialLoad

# Iraqi Journal of Veterinary Medicine, 2010

1. Effect and mechanism of cellulose nanofibrils on the active functions ofbiopolymer-based nanocompositefilms **Food Research International, May2017**
2. Rapid Determination of Thiabendazole in Juice by SERS Coupled with Novel GoldSubstrates

# Food Chemistry, March 2018

1. Green Synthesis of Silver Nanoparticles Using Turmeric Extracts and Investigation of Their AntibacterialActivities **Colloids and Surfaces B: Biointerfaces, July2018**

# 7- Properties and antimicrobial activity of polyvinyl alcohol-modified bacterial nanocellulose packaging

# films incorporated with silver nanoparticlesFood Hydrocolloids, October 2019

# 8- Development of cellulose Nanofiber-based substrates for rapid detection of ferbam in kale by Surface-

# enhanced Raman spectroscopy Food Chemistry, January 2021

# PROFESSIONAL MEMBERSHIPS

1. Member at IraqiVeterinarySyndicate **June 2000- Presenttime**
2. Member of Graduate professional council (GPC) at University ofMissouri
3. Member of Food Science Association at Food Sci. Dept./ University of Missouri

4- Member of IFT

5- Member of Mizzou Alumni Association - Mizzou Alumni **Since 2019**

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# COMPUTER PROFICIENCY

* + **Microsoft Word:** Writing Scientific Reports, Manuscripts and StandardOperating Procedures
	+ **Microsoft PowerPoint:** Constructing and Presenting Scientific Reports for Seminarsor LabMeetings
	+ **Microsoft Excel:** For StatisticalAnalysis
	+ **Delight soft wear:** Statistical Analysis for Ramanspectra.

**. Statistical Analysis System** (SAS software)

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