



Sawsan Jaafreh

Nationality: Jordanian

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Date of birth: 24/01/1981

Gender: Female

Email address: sawsanchem@gmail.com

Address: Zarqa (Jordan)

EDUCATION AND TRAINING

Ph.D. Degree in Chemistry

University of Bonn [10/2015 – 08/2020]

Address: Bonn (Germany)

Final grade : Excellent evaluation (1.3)

Thesis Title: Raman Spectroscopy in Tandem with Chemometric Methods for the Characterization and Analysis of Quality and Shelf Life of Poultry Meat

Master's Degree in Physical Chemistry

Hashemite University [09/2003 – 02/2006]

Address: Zarqa (Jordan)

National classification: Excellent evaluation (3.72- out of 4.00)

Thesis Title: Reaction Cross Section in Atom-Diatomic Molecule Collisions.

Bachelor's Degree in Chemistry

Hashemite University [10/1999 – 06/2003]

Address: Zarqa (Jordan)

National classification: Very good evaluation (3.58- out of 4.00)

WORK EXPERIENCE

Assistant Professor

Hashemite University [10/2020 – Current]

Address: Zarqa (Jordan)

Researcher and Member of ISF and IDT Groups

Bonn -Rhein-Sieg University of applied science [11/2012 – 09/2020]

Address: Rheinbach (Germany)

Full-time Lecturer

Hashemite University [09/2008 – 10/2012]

Address: Zarqa (Jordan)

Teaching Assistant

Hashemite University [09/2006 – 08/2008]

Address: Zarqa (Jordan)

PUBLICATIONS

Publications:

- In vitro discrimination and classification of Microbial Flora of Poultry using two dispersive Raman spectrometers (microscope and Portable Fiber-Optic systems) in tandem with chemometric analysis, *Talanta*. 202 (2019) 411–425. doi:10.1016/j.talanta.2019.04.082.

- Rapid Poultry Spoilage Evaluation Using Portable Fiber-Optic Raman Spectrometer, *Food Anal. Methods*. 11 (2018) 2320–2328. doi:10.1007/s12161-018-1223-0.

- Effects of the Vibrational and Rotational Energy on Reaction Cross-Section in a Classical Trajectory Study of Atom-Diatomic Molecule Collisions, *Zeitschrift Für Naturforsch. A*. 63 (2008) 721 – 734. doi:10.1515/zna-2008-10-1116.

- Reaction Rate Constants from Classical Trajectories of Atom-Diatomic Molecule Collisions, *Zeitschrift Für Naturforsch. A*. 63 (2008) 159 – 169. doi:10.1515/zna-2008-3-408.

JOB-RELATED SKILLS

Job-related skills

- Holder of the International Computer Driving License (ICDL).
- Certificate in E-Learning (Blackboard, Elluminate, Tegrity, Lectora).
- Certificate in Education Technology and University Assessment.
- Certificate in Certified Microsoft Innovative Educator.
- Certificate in Staying connected with remote learning through Microsoft Teams and Office 365.

WORKSHOP AND CONFERENCE

Workshop and Conference:

- HORIBA Scientific Bio Day Workshop, Technical University of Berlin, Germany, 2014.
- 5th International Cold Chain Management Workshop, University of Bonn, Germany, 2013.
- 9th Jordanian Chemical Conference, Hashemite University, Jordan, 2009.
- 7th Jordanian Chemical Conference, Al al-Bayt University, Jordan, 2007.

LANGUAGE SKILLS

Mother tongue(s):

Arabic

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

German

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

ORGANISATIONAL SKILLS

Organisational skills

- Good experience in project and team management.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Team spirit.

- Good ability to adapt to multicultural environments, gained through my work experience abroad.

DRIVING LICENCE

Driving Licence: B