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Faculty of Agriculture, Ain Shams University,
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BIOGRAPHY

Since 2019, I have held the position of lecturer at the Department of Agricultural Biochemistry, Faculty of Agriculture, at the esteemed University of Ain Shams (ASU). My primary research focus revolves around the comprehensive analysis of Volatile Organic Compounds (VOCs) present in complex samples. To achieve this, I employ a wide range of analytical techniques, specialized software, and cutting-edge equipment, all in accordance with the ISO/IEC 17025-2017 edition standards.

In addition to my proficiency in conducting advanced analyses, I possess valuable experience in planning, writing, and managing both industry-contracted and publicly-funded research projects. This skill set enables me to effectively contribute to the scientific community by conducting impactful research within various domains relevant to agricultural biochemistry.

CURRENT POSITIONS

Ain Shams University, Cairo

Assistant Professor (Full time)

Nov 2019-Present

Egyptian Accreditation Council, Cairo

Technical Assessor

Nov 2021-Present

EDUCATION

Friedrich-Alexander-Universität
Erlangen-Nürnberg

Erlangen, Germany

PhD, Chair of Aroma and Smell Research (*Dr. Büttner, A.*),
Department of Chemistry and Pharmacy

2015-2019

The Mediterranean Agronomic
Institute of Chania

Chania, Greece

MSc, Department of Food Quality and
Chemistry of Natural Products (*Dr. Kefalas, P.*)

2011-2012

The Mediterranean Agronomic
Institute of Chania

Chania, Greece

Postgraduate Specialization Diploma,
Department of Food Quality and Chemistry of Natural Products

2009-2010

Ain Shams University
BSc, Department of Agricultural Biochemistry

Cairo, Egypt
2003-2007

SELECTED GRANTS AND AWARDS

The German Academic Exchange Service (DAAD) Postdoctoral Fellowship	July – September 2024
Fraunhofer Gesellschaft Fellowship for Foreign Scientists Department of Sensory Analytics, Fraunhofer IVV Postdoctoral Fellowship	2018-2019
The German Academic Exchange Service (DAAD) in Cooperation with the Egyptian Ministry of Higher Education (MoHE) Full PhD Scholarship	2014-2018
The Hellenic Ministry of Rural Development & Food and the Development Assistance Cooperation (DAC) of the Hellenic Ministry of Foreign Affairs MSc Scholarship	2009-2010 & 2011-2012
Nominated for the competition of the best CIHEAM master thesis among the four CIHEAM institutes (Bari, Chania, Montpellier, and Zaragoza).	2013
An encouragement prize for scientific excellence, Consortium RIFOSAL for training, encouragement, and research the field of in Agro-Food Security, Della Tuscia University, Viterbo, Italy	2008

WORK AND TEACHING EXPERIENCES

Visiting Researcher, Department of Sensory Analytics and Engineering, Fraunhofer Institute for Process Engineering and Packaging IVV, Germany	July 2024
Egyptian Accreditation Council, Cairo Technical Assessor	Nov 2021-Present
Egyptian Accreditation Council, Cairo Technical Expert	Feb 2020- Nov 2021
Assistant Professor, Department of Agricultural Biochemistry, Ain Shams University, Egypt	Nov 2019-Present
Postdoctoral Researcher, Department of Sensory Analytics, Fraunhofer Institute for Process Engineering and Packaging IVV, Germany	Oct 2018- August 2019

Researcher Associate, Department of Sensory Analytics, Fraunhofer Institute for Process Engineering and Packaging IVV, Germany

March 2015-Oct 2018

Assistant Lecturer, Department of Agricultural Biochemistry, Ain Shams University, Egypt

Feb 2013-Nov 2019

Teaching Assistant, Department of Agricultural Biochemistry, Ain Shams University, Egypt

June 2008-Feb 2013

PROFESSIONAL SKILLS

Funding Acquisition (Egyptian, German, binational, and international consortiums e.g. STDF, Fraunhofer Lighthouse, BMBF Bioökonomie, ECSEL-RIA, MSCA-ITN, and LC-SFS projects).

Laboratory Skills

- Trained sensory evaluation panel.
- Instrumental analyses methods e.g. HRGC- FID/O, HRGC-MS/O, 2D-HRGC-MS/O, LC-MS, fluorimeter, and spectrophotometer.
- Operating software including ChemDraw, GraphPad Prism, Xlstat, SPSS, OriginPro, and QGIS.

Teaching Skills and Student Supervision (MSc students)

RESEARCH INTERESTS

- Aroma research
 - Valorization of agri-food waste
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LANGUAGES

Arabic: Mother Tongue

English: B2

German: Intermediate (A2-B1)

JOURNAL REFEREE

Food Chemistry

Food Research International

Water Research

Chemosphere

Food Packaging and Shelf Life

Aquaculture International

Journal of Food Measurement and Characterization

International Journal of Food Properties

REFERENCES

Prof. Dr. Andrea Buettner; Chair of Aroma and Smell Research, Department of Chemistry and Pharmacy, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany. Executive Directory, Fraunhofer-Institut für Verfahrenstechnik und Verpackung, Germany.

Email: andrea.buettner@fau.de
