

## CURRICULUM VITAE

**Dr. Arwa Rasem Kamel Althaher**

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### 1. Personal Data

Date of Birth: 12/9/1987

Nationality: Jordanian

### 2. Education

- Ph.D. (Biological Sciences / Biochemistry) 2021, University of Jordan, Amman, Jordan.
- M.Sc. (Biological Sciences) 2012, University of Jordan, Amman, Jordan.
- B.Sc. (Biological Sciences) 2009, University of Jordan, Amman, Jordan.

### 3. Ph.D. Dissertation

*“Quantification of Total Phenolic, Total Flavonoid Contents, and Assessment of Antioxidant Capacity, Proliferative, and Apoptotic Activities of Essential Oils Extracted from the Aerial Parts of Calamintha incana (Sm.) Helder (Lamiaceae), and Ruta chalepensis L. (Rutaceae)”*, University of Jordan, Amman, Jordan.



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#### 4. Employment

##### Academic Positions

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan  
September 19, 2021 – now.
- Lab supervisor, Faculty of Medicine, University of Jordan, Amman, Jordan  
July 2013-April 2019.
- Teaching assistant, Faculty of Sciences, Department of Biological Sciences, University of Jordan, Amman, Jordan.  
September 2009-March 2012.

##### Administrative Positions

- Not Applicable

#### 5. Research Interests

- Anticancer, antioxidant, and antidiabetic activities of medicinal plants

#### 6. Membership in Scientific Societies and Associations

- Not applicable

#### 7. Honors and Awards

- First Class Honors Award. The University of Jordan, Amman. Jordan, 2009.

#### 8. Fellowships and Scholarships

- MSc scholarship, The University of Jordan, (2010-2012).

#### 9. Teaching Experience

- *Graduate Courses*

- Not applicable

- *Undergraduate Courses*

- General Biology
- Pharmaceutical Biochemistry
- Clinical Biochemistry



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**10. Supervision of Graduate Research**

-Not applicable

**11. Grants**

-Not applicable

**12. Patents**

— Not applicable

**13. Membership of Committees**

- **National and International**
  - *None*
- **University**
  - *The Curriculum Committee at the School of Pharmacy, Al-Zaytoonah University of Jordan. (2021 – 2023).*
  - *Curriculum and learning resources Committee at the School of Pharmacy, Al-Zaytoonah University of Jordan. (2021 – 2023).*
  - *Quality Assurance Committee at the School of Pharmacy, Al-Zaytoonah University of Jordan. (2023 – Present).*

**14. Professional and Scientific Meetings*****Scientific Meetings Organized***

-Not applicable

***Participation in Scientific meetings***

- Al-Zaytoonah 8<sup>th</sup> International Pharmaceutical Conference (ZTIPC 2022). Amman 18-19 Oct 2022.
- Al-Zaytoonah 1<sup>st</sup> Scientific Conference for Graduate Students. Amman 2-3 May 2023.

**15. Participation in or organization of curricular and/or extra-curricular activities**

- Participation in Star of Pharmacy 3, RBCs team, Al-Zaytoonah University of Jordan, Amman, March 2022.
- Attending the College of Pharmacy alumni forum, Al-Zaytoonah University of Jordan, Amman, June 2022.



- Attending a symposium entitled “Fields of the Pharmacist”, Al-Zaytoonah University of Jordan, Amman, December 2022.
- Attending the College of Pharmacy alumni forum, Al-Zaytoonah University of Jordan, Amman, June 2023.

## 16. Publications

Papers in refereed journals

- **Althaher, A. R.** (2023). *In vitro* Assessment of the Antidiabetic Activity of Aqueous and Ethanolic Extracts from the Aerial Parts of *Ajuga orientalis* L. Research Journal of Pharmacy and Technology, 16(4), 1828-1832.
- **Althaher, A. R., & Mastinu, A.** (2023). *Calamintha incana* (Sm.) Helder: A New Phytoextract with *In Vitro* Antioxidant and Antidiabetic Action. Applied Sciences, 13(6), 3966.
- **Althaher, A. R.** (2022). An Overview of Hormone-Sensitive Lipase (HSL). The Scientific World Journal, 2022.
- **Althaher AR.** *In vitro* Assessment of Cytotoxic Potential of *Ajuga orientalis* L. Methanolic Extract on MCF-7 and MRC-5 cells. Trop J Nat Prod Res. 2022; 6(9):1411-1413
- Oran, S. A., **Althaher, A. R., & Al Shhab, M. A.** (2022). Chemical composition, *in vitro* assessment of antioxidant properties and cytotoxicity activity of ethanolic and aqueous extracts of *Ajuga orientalis* L. (Lamiaceae). Journal of Pharmacy & Pharmacognosy Research, 10(3), 486-495.
- **Althaher, A. R., Oran, S. A., & Bustanji, Y. K.** (2022). *Induction of apoptosis by Ruta chalepensis* L. essential oil in human breast cancer cells (MCF-7). Journal of Pharmacy & Pharmacognosy Research, 10(1), 2022, 73-83.
- **Althaher AR, Oran SA, Bustanji YK.** *Chemical Composition, In vitro Evaluation of Antioxidant Properties and Cytotoxic Activity of the Essential Oil from Calamintha incana (Sm.) Helder (Lamiaceae).* Trop J Nat Prod Res. 5(8), 2021, 1333-1339.
- **Althaher, A. R., Oran, S. A., & Bustanji, Y. K.** *Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of Ruta chalepensis* L. Essential Oil. Journal of Essential Oil Bearing Plants, 23(6), 2020, 1409-1421.
- Al-Khateeb, E., **Althaher, A., Al-Khateeb, M., Al-Musawi, H., Azzouqah, O., Al-Shweiki, S., & Shafagoj, Y.** *Relation between uric acid and Alzheimer's disease in elderly Jordanians.* Journal of Alzheimer's Disease, 44(3), 2015, 859-865.



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Books and Book Chapters

- Oran, S. A., **Althaher, A. R.**, & Mubarak, M. S. (2022). *Cinchona officinalis* (Cinchona Tree) and *Corylus avellana* (Common Hazel). In Herbs, Shrubs, and Trees of Potential Medicinal Benefits (pp. 377-394). CRC Press.