

## CURRICULUM VITAE

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### 1. Personal Data

Date of Birth: 1<sup>st</sup> of April, 1972

Nationality: Jordanian

### 2. Education

- Ph.D. (Chemistry) 1998, University of Manchester Institute of Science and Technology, Manchester, UK
- B.Sc. (Applied Chemistry) 1993, Jordan University of Science and Technology, Irbid, Jordan

### 3. Ph.D. Dissertation

*Studies Related to Anthracyclines*, University of Manchester Institute of Science and Technology, Manchester, UK

### 4. Employment

#### Academic Positions

- Assistant Professor, Department of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan. [March 1, 2015 – now].



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- Assistant Professor, Al-Qunfudah University College, Umm Al-Qura University, Al-Qunfudah, Saudi Arabia. [September 28, 2010 – January 16, 2013].
- Assistant Professor, Department of Chemistry, Al-Hussein Bin Talal University, Ma'an, Jordan. [September 26, 2004 – September 11, 2011].
- Full-Time Lecturer, Department of Chemistry, Jordan University of Science and Technology, Irbid, Jordan. [February 11, 2001 – June 13, 2002].

#### Administrative Positions

- Business Development Manager, Jordan Company for Antibody Production (MONOJO), Amman, Jordan. [October 2013 – January 2015].
- Head of Chemistry Department, Al-Hussein Bin Talal University, Ma'an, Jordan. [September 2005 – September 2006].

#### 5. Research Interests

- Polymers based on natural products
- Dendrimers
- Antioxidants

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

- None

#### 7. Honors and Awards

- None

#### 8. Fellowships and Scholarships

- None

#### 9. Teaching Experience

- *Graduate Courses*

None

- *Undergraduate Courses*

1. Organic Chemistry courses



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2. Practical Organic Chemistry courses
3. Polymer Chemistry
4. General Chemistry courses
5. Practical General Chemistry courses
6. Chemistry of Heterocyclic Compounds
7. Spectroscopy of Organic Compounds

### 10. Supervision of Graduate Research

None.

### 11. Grants

1. *Design, Synthesis and Biological Evaluation of a New Series of Carbonic Anhydrase Inhibitors*, April 2019 – April 2021, Al-Zaytoonah University of Jordan, 25,843 JD. (Co-Investigator)
2. *Preparation of New Polymer Scaffold Bearing Antioxidant Natural Products*, May 2019-September 2020, The Hashemite University, 8,000 JD (Co-Investigator).
3. *Synthesis and Characterization of Biodegradable Polyesters Derived from Bio-based Products*, December 2015 – August 2017, Al-Zaytoonah University of Jordan, 69,000 JD. (Principal Investigator)
4. *Design, Synthesis and Application of New Sulfonate Ester Dendrimers*, February 2016 – February 2017, Jordan University of Science and Technology. Irbid, Jordan, 6,050 JD. (Co-Investigator)
5. *Polysulfonimide Dendrimers: Design, Synthesis, and Applications*, June 2009 – September 2009. Chemnitz University of Technology, Chemnitz, Germany. (DFG Grant)
6. *Tomato Seed Oil: Extraction, Composition, Properties, and Uses*, September 2005 – September 2007, Al-Hussein Bin Talal University, Ma'an, Jordan, 6,700 JD. (Principal Investigator)

### 12. Patents

- Not Applicable

### 13. Membership of Committees

- **National and International:**
  - **Examination Committee of the following postgraduate students:**
    - 1) *Facile, One Pot and Gram Scale Synthesis of 3,4,5-Triiodoanisole Through a C-H Iodination/Ipsododecarboxylation Strategy: Potential Application Towards 3,4,5-Trisubstituted Anisoles*, Mariam Adel Al-Zoubi, Jordan



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University of Science and Technology, 2016.

- **University:**
  - *The Committee for Scientific Research, a Faculty committee (member).*
  - *The Committee for Curriculum and Educational Resources, a Faculty committee (member).*
  - *The Committee for Laboratories, a Faculty committee (Chair).*
  - *The Committee of the Detection of the Remaining Equipment in the Warehouses of the Supplies Department, a University committee (Chair).*

#### 14. Professional and Scientific Meetings

##### *Scientific Meetings Organized*

- None

##### *Participation in Scientific meetings*

- *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2019), Amman, Jordan, 6<sup>th</sup> to 7<sup>th</sup> of November, 2019.*
- *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2017), Amman, Jordan, 29<sup>th</sup> to 30<sup>th</sup> of November, 2017.*
- *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2017), Amman, Jordan, 29<sup>th</sup> to 30<sup>th</sup> of November, 2015.*
- *Financial Management Skills, organized by Business Development Center, Amman, Jordan, 3/2014 (4-Day training workshop)*
- *Entrepreneurship Training Workshop "Empretec", organized by Business Development Center, Amman, Jordan, September 2013 (5-Day training workshop)*
- *Modern Training and Pruning Systems in Olive Trees, organized by Jordan Agriculture Engineers Association, Syria, April 2004 (5-Day training workshop)*
- *Strategic Management, organized by Royal Scientific Society, Amman, Jordan, May 2003 (5-Day course)*



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- *Chemical Development and Scale-Up in the Fine Chemical Industry*, organized by Scientific Update, London, UK, February 2000 (4-Day course)
- *Stereochemistry at Sheffield*, Sheffield, UK, December 1997 (One day conference).
- *Stereochemistry at Sheffield*, Sheffield, UK, December 1996 (One day conference).
- *Stereochemistry at Sheffield*, Sheffield, UK, December 1993 (One day conference).

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

- Several Alumni and public lectures and presentations held in Al-Zaytoonah University of Jordan campus.
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- Test Construction and analysis of Results, 18<sup>th</sup> – 20<sup>th</sup> of June, 2017, Al-Zaytoonah University of Jordan. Amman, Jordan.
- Presented a lecture entitled: "Industrial Uses of Plants and Natural Products". Medicinal Plants Scientific Conference, organized by Jordan Society for Medicinal Plants. December 10<sup>th</sup> 2015, Amman, Jordan.
- Project Manager; "Specialty Chemicals Market Needs Analysis", Faculty for Factory (FFF) program, Higher Council of Science and Technology, September 2008 – November 2008, Amman, Jordan.
- Project Manager; "Total Synthesis of Hydroxyitraconazole", Arabic Company for Drug Industries and Medical Appliances (ACDIMA), February 2002 – June 2002, Amman, Jordan.

#### **16. Publications**

- Papers in refereed journals:
1. Ibrahim, K.A, Abu-sbeih, K.A., Al-Tarawneh, I., **Bourghli, L.** Preparation and Characterization of Alkyd Resins of Jordan Valley Tomato Oil. *Journal of Polymers and the Environment*, (2014). 553-558. DOI: 10.1007/s10924-014-0664-9.



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2. **Bourghli, L.M.S**, Stoodley, R.J. Total Synthesis of 8-Hydroxy-8-Methylidarubicinone. *Bioorganic & Medicinal Chemistry*, (2004). 2863-2866. DOI: 10.1016/j.bmc.2004.03.047.

- Books and Book Chapters:
  - Not Applicable
- Conference Presentations:
  - Not Applicable
- Reports
  - Not Applicable