# Al-Hussein Bin Talal University

## Faculty Member – Brief Curriculum Vitae

### 1. Personal Information:

Full Name: Abdel Aziz Qasem Mohammad Jbarah  Faculty / Department: Faculty of Science / Department of Chemistry

Academic Rank: Associate Professor  Area of Specialization: Physical Chemistry

Date of Appointment: 04/2019 (first appointed 10/2007)  Date of Current Rank: 10/2021  Email: aajbarah@ahu.edu.jo

### 2. Academic Qualifications:

| Qualification | Specialization | University / Country | Graduation Year |
|---|---|---|---|
| .Ph.D | Physical Chemistry | Chemnitz University / of Technology Germany | 2006 |
| .M.Sc | Analytical Chemistry | / Mu'tah University Jordan | 1999 |
| .B.Sc | Chemistry | / Mu'tah University Jordan | 1997 |

### 3. Academic and Administrative Experience:

| Rank / Position / Assignment | Institution / Unit | Period |
|---|---|---|
| Associate Professor | Dept. of Chemistry, Faculty of Science, Al-Hussein Bin Talal University, Jordan | Present – 2021/10 |
| Dean's Assistant for Quality Assurance and Development Affairs | Faculty of Science, Al-Hussein Bin Talal University, Jordan | Present – 2025 |
| Head of Department | Dept. of Chemistry, Al-,Hussein Bin Talal University Jordan | 2023 – 2022 |
| Dean's Assistant for Quality Assurance and Development Affairs | Faculty of Science, Al-Hussein Bin Talal University, Jordan | 2022 – 2020 |

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|---|---|---|
| Assistant Professor | Dept. of Chemistry, Faculty of Science, Al-Hussein Bin Talal University, Jordan | 2021/10 – 2019/04 |
| Assistant Professor | Dept. of Chemistry, Faculty of Science, Islamic University of Madinah, Saudi Arabia | 2017/09 – 2014/08 |
| Assistant Professor | Dept. of Chemistry, Faculty of Science, Northern Borders University, Saudi Arabia | 2014/08 – 2011/02 |
| Assistant Professor | Dept. of Chemistry, Faculty of Science, Al-Hussein Bin Talal University, Jordan | 2011/01 – 2007/10 |

**4. Teaching and Academic Supervision:**

Key Courses Taught: Physical Chemistry 1, 2, 3 and Physical Chemistry Lab; Chemical Thermodynamics; Chemical Kinetics; Quantum Chemistry; Molecular Spectroscopy; Electrochemistry; Physical Chemistry of Polymers; Industrial Chemistry; General Chemistry 1, 2 and Labs; Mathematics for Chemistry Students

Master's Theses Supervised (Number): .. co-supervisor (2)  Doctoral Dissertations Supervised (Number): 0

**5. Scholarly Publications and Research Projects:**

• Peer-Reviewed Journal Articles: Total 21 | Last Five Years 3 | Books / Chapters / Patents 0 (lab manual in preparation)

• Citations: .242  h-index: 8  Database: Scopus  Date Updated: November 7.2026

• Three Selected Publications (Title, Journal, Year, DOI):

1. Binary and ternary complexes involving ethambutol and bio-relevant ligands such as amino acids, peptides and DNA constituents: speciation studies and theoretical approach, Journal of Coordination Chemistry, 2024, DOI: 10.1080/00958972.2023.2258543

2. Crystal structure, spectroscopic studies, DFT calculations, and biological activity of 5-bromosalicylaldehyde-based Schiff bases, Journal of Molecular Structure, 2022, DOI: 10.1016/j.molstruc.2022.132976

3. The electrosorption of 3-bromo-2-nitrothiophene on gold as studied with surface-enhanced Raman spectroscopy, Journal of Chemical Sciences, 2021, DOI: 10.1007/s12039-021-01911-8

• Key Research Project / Grant (Funder, Role, Year): German Research Foundation (DFG), 3-month research funding, recipient, 2010

**6. University and Community Service and Achievements:**

• Key Committees / Accreditation and Quality Initiatives / Community Service: Quality Assurance Committee, Faculty of Science (2021–present); Strategic Planning Committee, Faculty of Science (2020–present); Curriculum Committee and Tender Committee, Dept. of Chemistry (2019–2020); Social Committees, Department and Faculty (2020–present); Reviewer, Journal of the Chemical Society of Pakistan; Member, Jordanian Chemical Society

• Three Major Achievements with Documented Impact:

1. Promotion to Associate Professor (October 2021) based on peer-reviewed research in spectroelectrochemistry (SERS) and computational (DFT) chemistry.
2. Head of the Department of Chemistry (2022–2023).
3. Dean's Assistant for Quality Assurance and Development Affairs, Faculty of Science (2020–2022; 2025–present).

## 7. Declaration:

I certify that the information provided above is accurate and that supporting evidence can be supplied upon request.

Faculty Member’s Name: Abdel Aziz Qasem Mohammad Jbarah  Signature: Jbarah  Date: November 7.2026