

CURRICULUM VITAE

Yahia Zakaria Abdelqader Tabaza

PERSONAL DATA:

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Place and date of birth: Amman, Jordan on 17/04/1989.
Nationality: Jordanian.
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Amman, Jordan.



EDUCATION:

2015 – 2018: Ph.D. in Pharmacy and Biomedical Sciences:
Strathclyde Institute of Pharmacy and Biomedical
Sciences,
Faculty of Science,
University of Strathclyde,
Glasgow, United Kingdom.

Thesis title: "Implementing Metabolomics Tools in the
Search for New Anti-Proliferative Agents from the Plant-
Associated Endophytes".

1st Supervisor: Dr. Ruangelie Edrada-Ebel

2nd Supervisor: Dr. David Watson

3rd Supervisor: Mrs. Loiuise Young

2011 – 2014: M.Sc. in Pharmaceutical Sciences:
Department of Pharmaceutical Sciences,
Faculty of Pharmacy,
The University Of Jordan,
Amman, Jordan.

Thesis title: "Implementation of chemometrics in
studying drug-excipient compatibility for ciprofloxacin as
a model. Quality by design approach".

Supervisor: Dr. Muhammad Alzweiri
Co-supervisor: Dr. Hatim Alkhatib

GPA: 3.88 out of 4 (Excellent).

2006 – 2011: B.Sc. in Pharmacy:
Faculty of Pharmacy,
The University Of Jordan,
Amman, Jordan.

GPA: 3.52 out of 4 (Very good).

2005 – 2006: High school (Tawjihi):
Helwan High School,
Sharjah, United Arab Emirates.

Average: 99% (Ranking: 11th on the country level)

LANGUAGES:

Arabic: Mother tongue.
English: Excellent written, read and spoken.
IELTS score, in 2014: 7.5 out of 9.

PROFESSIONAL EXPERINCE:

Administrative positions:

Sep 2020 – Present: **Assistant Dean of Student Affairs:**
School of Pharmacy,
The University of Jordan,
Amman, Jordan.

Academic positions:

Jun 2018 – Present: **Assistant Professor:**
School of Pharmacy,
The University of Jordan,
Amman, Jordan.

Courses taught:

- Phytochemical Analysis.
- Phytochemistry.
- Pharmacognosy.
- Toxic and hallucinogenic plants.

- Phytochemical Analysis – Practical.
- Pharmacognosy – Practical.
- Pharmaceutical Instrumental Analysis – Practical.
- Pharmaceutical Chemical Analysis – Practical.
- Pharmaceutical Organic Chemistry – Practical.
- Medicinal Chemistry – Practical.
- Seminar in Pharmaceutical Sciences.

Feb 2012 – Feb 2015: **Teaching Assistant:**
 School of Pharmacy,
 The University of Jordan,
 Amman, Jordan.

Courses taught:

- Phytochemical Analysis – Practical.
- Medicinal Chemistry – Practical.
- Pharmaceutical Organic Chemistry – Practical.
- Pharmaceutical Chemical Analysis – Practical.

As TA I sole-taught all courses listed here. Average number of students taught was 100 student per course in a semester.

Non-academic positions:

Oct 2018 – Present: **Board member:**
 Laboratory Affairs for Drugs committee,
 Jordan Food & Drug Administration,
 Amman, Jordan

May 2011 – Dec 2011: **Purchaser:**
 Ismailiya Medical Company,
 Amman, Jordan.

RESEARCH:

Research Interests:

- Ethnopharmacology.
- Purification, isolation and identification of biologically active secondary metabolites from plants and plant-associated endophytes. This relies on metabolomics and chromatography for isolation and NMR for structure elucidation and identification of compounds.

- Implementing chemometrics and multivariate analysis as tools in pharmacy and natural product research for media optimisation, quality control and taxonomy.

Research Skills:

Extensive knowledge of:

- De novo structure elucidation of organic compounds, including secondary metabolites and drugs, using NMR and LC-HRMS.
- Chromatographic techniques for both analytical and preparative purposes, including:
 1. HPLC-UV.
 2. LC-MS and LC-HRMS.
 3. TLC and Preparative TLC.
 4. Open Column Chromatography.
 5. MPLC (VLC).
 6. GC-MS.
- NMR; instrumentation and elucidation including both 1D and 2D experiments.
- Chemometrics, multivariate analysis, metabolomics and dereplication (using SIMCA and MZmine).
- Extraction of natural products (Soxhlet extraction, solvent extraction and distillation).
- Tissue culture.
- Cell viability and cytotoxicity assays.
- PCR and ITS gene sequencing.
- Fermenting fungi.
- Obtaining endophytes from host plants and maintaining their growth and production of natural products.
- Ethnopharmacology.

Good knowledge of:

- General analytical and organic chemistry skills (UV spectroscopy, IR spectroscopy, chemical analysis and synthesis of organic compounds and drugs).
- Some skills in pharmaceuticals, including: DSC, dissolution, tableting and film coating.
- Statistics (using MINITAB).

CONFERENCES:

7 – 8 Apr 2021: The School of Pharmacy 2021 Conference.
The University of Jordan.
Amman, Jordan

Member of the organisation committee.

25 – 26 Sep 2017: International Conference on Natural Product Biotechnology.
Aberdeen, UK.

Short lecture: "Implementing metabolomic tools in the search for new cytotoxic agents from the endophyte *Chaetomium subaffine*"

3 – 7 Sep 2017: The 65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA).
Basel, Switzerland

Short lecture: "Implementing metabolomic tools in the search for new cytotoxic agents from the endophyte *Chaetomium subaffine*"

Workshop: Young Researchers.

30 Aug – 2 Sep 2015: The 9th European Conference on Marine Natural Products.
Glasgow, UK.

Volunteer and usher.

19 – 22 Nov 2012: The 6th International conference of the Royal Medical Services.
Dead Sea, Jordan

Workshops:
Pharmaceutical Care and Medicines Management.
Pharmacoeconomics Measuring and Estimating Costs.

19 – 22 Nov 2012: The 15th Scientific congress of the Association of the Pharmacy Colleges in the Arab World and the 3rd International Conference of the Faculty of Pharmacy/JU "Recent Trends and Advances in Pharmacy".
Amman, Jordan

PUBLICATIONS:

- **Tabaza, Y.Z.**, Seong, Z.K., Kim Y.M., Alshaer, W., and Aburjai, T.A., 2024. Luteolin, a cytotoxic flavonoid obtained from *Anthemis palestina*. *Tropical Journal of Pharmaceutical Research*, 23(1), Full acceptance.

- **Tabaza, Y.** and Aburjai, T., 2024. Ethnopharmacological Survey of Medicinal Plants Used by Local Herbalists and Traditional Healers for the Treatment of Cancer in Jordan. *Current Traditional Medicine*, 10(3), pp.6-19.
- Alzweiri, M., Alsegiani, A., Karaj, E., Almarghalani, D., **Tabaza, Y.**, Shah, Z. and Tillekeratne, V., 2021. The structural simplification of lysergic acid as a natural lead for synthesizing novel anti-Alzheimer agents. *Bioorganic & Medicinal Chemistry Letters*, p.128205.
- **Tabaza, Y.Z.**, Mansi, K.M., Azzam, H.A., Al-Mamoori, F.F., Al-Samydai, A.M. and Aburjai, T.A., 2021. Determination of dehydroepiandrosterone in dietary supplements by reversed-phase HPLC. *Tropical Journal of Pharmaceutical Research*, 20(2), pp.383-387.
- Mansi, K., **Tabaza, Y.** and Aburjai, T., 2020. The iron chelating activity of *Gundelia tournefortii* in iron overloaded experimental rats. *Journal of Ethnopharmacology*, 263, p.113114.

PROFESSIONAL MEMBERSHIPS:

- Member in the Jordan Pharmacists association.
- A previous member in the "Marketing and business development" committee in the Jordan Pharmacists association.

TRAINING COURSES:

Jun 2020 – Jul 2021: Diploma in Philosophy and Research Methodology in Human Sciences; Namaa Academy, Rabat, Morocco.

This diploma included 168 credits in:

- Philosophy.
- Epistemology and Philosophy of Science.
- Islamic Philosophy and its History.
- An Introduction to Research Methodologies and Curriculum Science.
- Human Studies Methodologies and Discourse Analysis.

May 2015 – May 2018: Researcher Professional Development Programme; University of Strathclyde, Glasgow, UK.

This programme included 60 credits in different subjects that are relevant to researchers, including:

- Research ethics.
- Project management in the real world.
- Navigating Peer Review.
- Grant applications.
- Writing and presenting research.
- Teaching.

- 14 Apr 2013: Negative Energy and its effects on health;
University of Jordan, Amman, Jordan.
- 5 – 6 Mar 2013: Awaken your hidden power (Speaker);
University of Jordan, Amman, Jordan.

SKILLS AND ACTIVITIES:

- Excellent in writing accreditation and quality control reports for educational bodies.
- Enjoys engaging in community service.
- Excellent organisation skills and planning.
- Excellent IT skills, including knowledge of MS Office, typing and internet.
- Conducted many revision lectures for pharmacy students during my stay as B.Sc. and M.Sc. student in JU for different courses. Including; organic chemistry, pharmaceutical chemical Analysis, instrumental Analysis, phytochemical analysis and pharmacokinetics.
- Was a member in “Smurfs guiding team” which was responsible for welcoming new students at the University of Jordan and helping them during their enrollment and first days at JU.
- Volunteered in “Eye on future” initiative which was targeting high school students to let them know about the different majors available to study in the universities.
- Was a member in “School radio” and "School musical" teams in school.
- Blogger at Aljazeera blogs.
- Interested in football and football tactics. Was a moderator in the tactical section in kooora forums, as well as a member of the board of directors, the vice president and the president in Juventus’ newspaper in the Italian football section in kooora forums. Was a writer in www.Juventusarabia.net as well.

REFERENCES:

- Prof. Talal Aburjai;
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The University of Jordan,
Amman, Jordan.
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- Dr. RuAngelie Edrada-Ebel;
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Glasgow, UK.
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- Prof. Muhammed Hashem Alzweiri;
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Department of Pharmaceutics and Pharmaceutical Technology,
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