

# ZAID ALOBAIDI RESUME

P: +447361695215 | E: [zaid\\_alobaidi@hotmail.co.uk](mailto:zaid_alobaidi@hotmail.co.uk) | A: Birmingham, UK.

LinkedIn: <https://www.linkedin.com/in/zaid-al-obaidi-93573a28/>

## SUMMARY

- Inventor entitled researcher by the European Federation of Inventors Associations (IFIA) in Geneva, Switzerland.
- Assistant Professor specialized in Medicinal Chemistry, Pharmaceutical Chemistry, and pharmaceutical analysis.
- In-depth understanding of analytical techniques with excellent interpretation talents.
- Hands-on experience in "*in silico*" designing of potential drug candidates, chemical synthesis, and microwave-assisted green chemistry.
- Highly organized to handle multiple tasks and troubleshoot complex technical problems, a team player with competent communication skills

## SKILLS

- **Techniques:** Computer-Aided drug design, small molecule chemical synthesis, cell-culturing.
- **Instrumentation:** DSC, CHN-SO, FT-IR, MNR, MS, HPLC, GLPC (GC), GC-MS, MALDI, ICP-AES, ICP-AAS, UV/VIS, (light, confocal, and inverted) microscopies, Lyophilizer, Flowcytometry, ELISA, PCR, qPCR, and Raman.
- **Softwares & websites:** ChemBioDraw, GOLD, Mercury, and Swiss target prediction.

## EDUCATION

Al-Nahrain University, Baghdad, Iraq

09/2016 – 07/2019

### Ph.D., Medicinal Chemistry

Advisor: Professor Dr Omar F. Abdul- Rasheed; Co-advisor: Professor Dr Monther F. Mahdi

Dissertation/Thesis title "In Silico Design, Synthesis, Characterization, and Biological Evaluation of Spebrutinib Analogues as Antitumor Agents Against Breast and Colon Cell Lines"

- In silico designed tyrosine kinase inhibitors which have potential anti-tumour activity utilizing modern software supplied by the Cambridge Crystallographic Data Centre (CCDC) (<https://www.ccdc.cam.ac.uk/>) and other related softwares.
- Synthesized the chemicals of the best-fitted structures that were achieved with the softwares and purify the final product.
- Characterized the purified compounds with the related analytical instrument like; DSC, FTIR, LC-MS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, CHN-SO elemental analyzer.
- Biological evaluation of these tyrosine kinase inhibitors on specific cell cultures to investigate the antiproliferative effect on breast and colon cell lines and to estimate cell viability on the normal kidney cell line.

Sheffield Hallam University, Sheffield, UK

01/2011-07/2013

### Master of Science, Pharmaceutical Analysis

Advisor: Professor Dr. Simona Francese

Thesis title "Proteomic Analysis of Fingermarks"

- Worked on the detection of peptides and proteins from fingermarks.
- Employed a bottom-up proteomic approach including the use of the MALDI-MS technique.

**Courses Highlights:** Quality Issues, Laboratory Accreditation and The Analytical Approach, Separation, Detection and On-Line Techniques, Advanced Analytical Techniques, Process Analytical Technology, New Drug Development.

Al-Mustansiriyah University, Baghdad, Iraq

09/2002 – 06/2007

### Bachelor of Science, Pharmacy

## PROFISSIONAL SKILLS

- **Softwares:** SYNTHIA, SciFinder, ChemBioDraw, Hermes, GOLD, and Mercury.
- **Chemistry Laboratories:** Proficient in classical and microwave-assisted (green chemistry) chemical syntheses.
- **Analytical:** MSc within the UK, excellent in interpreting data (peaks) of DSC, CHN-SO, FT-IR, <sup>1</sup>H MNR, <sup>13</sup>C MNR, MS, HPLC, GLPC (GC), GC-MS, MALDI, ICP-AES, ICP-AAS, Raman, Flowcytometry, PCR, and qPCR.

## EMPLOYMENT EXPERIENCE

- Aston University (sabbatical leave that supports being a Research Fellow) 03/22-present  
**Assistant Professor: Academic Visitor**
- University of Alkafeel-College of Pharmacy, Dep. of Clinical Pharmacy and Laboratory Sciences 01/21-02/22  
**Assistant Professor: Head of Department**
- University of Alkafeel-College of Pharmacy, Dep. of Pharmaceutics and Pharmaceutical Chemistry 07/20-present  
**Assistant Professor: Senior Lecturer & Researcher**
- University of Kerbala - College of Medicine, Dep. of Biochemistry 03/20- present  
**Assistant Professor: Researcher**
- University of Kerbala - College of Pharmacy, Dep. of Pharmaceutical Chemistry 08/13- 02/20  
**Lecturer: Courses Taught**
- Inorganic Pharmaceutical Chemistry COURSE CODE:103023311
  - Organic Pharmaceutical Chemistry I COURSE CODE:103023326
  - Organic Pharmaceutical Chemistry II COURSE CODE:103024412
  - Organic Pharmaceutical Chemistry III COURSE CODE:103024427
  - Organic Pharmaceutical Chemistry IV COURSE CODE:103025511
  - Advanced Pharmaceutical Analysis COURSE CODE:1030255210
- University of Kerbala - College of Pharmacy, Kerbala, Iraq 02/09- 11/10  
**Laboratory Teaching Assistant**
- Laboratory preparation, Equipment set-up
  - Assisted the pharmacy students with laboratory techniques
  - Led discussions, hold office hours, and graded homeworks and lab reports.
- Gynecology and Obstetrics Learning Hospital, Kerbala, Iraq 01/08-01/09**
- Continuous Medical Education (CME)**
- Led the discussion of the medical cases with the pharmacy students.
  - Performed weekly presentations to the health care providers including the senior medical doctors

## AFFILIATIONS

1. Iraqi Inventors & Innovators Society. IRAQ-IIIS N G O No. 1Z27817. Since March-2019.
2. The European Federation for Medicinal Chemistry-Young Scientists Network (EFMC-YSN) since Feb-2019.
3. Biological & Medicinal Chemistry Sector (RSC-BMCS) since Feb-2019.
4. The European Federation for Medicinal Chemistry (EFMC) since Feb-2019.
5. Chairman of Scientific Committee for Karbala Syndicate Representative of Iraqi Pharmacists since Aug-2018.
6. Member of the International Pharmaceutical Federation (FIP) since Feb-2018 with Member ID: 36914
7. Member of the American Chemical Society (ACS) since Jan-2018 with Member Number: 31500485
8. Associate Member of the Royal Society of Chemistry (AMRSC) since Nov-2016 with Membership No.: 506234
9. Member of Iraqi Union of Chemists since Nov-2016 with renewal number: Z-27.
10. Associate Member of the Royal Pharmaceutical Society (AMPS) since Nov-2012 with Membership ID: 9035165
11. Member of the Syndicate of Iraqi Pharmacists since Apr-2008 with reg. no: 9058.

## CONFERENCES AND AWARDS

- Awarded a sabbatical leave (Academic Visitor) at Aston University, Birmingham, UK – March-22.
- Awarded a Silver Medal from iENA 2021, Nuremberg, Germany - 01 to 04 November.
- Awarded the title of an “inventor” from the European Federation of Inventors Associations (IFIA) in Geneva, Switzerland. Verification Number: LB2021MAY023ZCXA, <https://www.ifia.com/inv/lb2021may023zcx/> in May-2021.
- Awarded a Golden Medal from The National Association for Science and Research NASR The organizer of the 2<sup>nd</sup> Beirut International Innovation Show – BIIS 2021, in Apr-2021.

- Awarded a Golden Medal from The American GOIDL Invention and Innovation Competition for Professors and Researchers AGIC. Code: zmja6102020, in Oct-2020.
- Awarded a Certificate of appreciation and a shield from the Iraqi Prime Minister's office in Mar-2014.
- Attended the European Proteomic Association (EuPA) 2012 Scientific Congress, Jul-2012, Glasgow, Scotland, UK.
- Awarded a certificate of problem-solving with industrial collaboration in Jun-2012 from SHU.
- Awarded MSc scholarship from the Iraqi Prime Minister's office in Nov-2011.

## SCIENTIFIC CONTRIBUTIONS

- PubMed ID (PMID 33690202): <https://pubmed.ncbi.nlm.nih.gov/33690202/>
- Google Scholar: <https://scholar.google.com/citations?user=ZOO2fqwAAAAJ&hl=en>
- Scopus Author ID: 57202814672: <https://www.scopus.com/authid/detail.uri?authorId=57202814672>
- ORCID: <https://orcid.org/0000-0003-3488-4572>
- Research Gate: [https://www.researchgate.net/profile/Zaid\\_Al-Obaidi/contributions](https://www.researchgate.net/profile/Zaid_Al-Obaidi/contributions)
- ResearcherID: <http://www.researcherid.com/rid/E-9809-2019>
- Publons: <https://publons.com/researcher/1774241/zaid-mahdi-jaber-al-obaidi/>
- Microsoft Academic: <https://academic.microsoft.com/profile/060743h7-60g1-4e70-9ej6-046hf622705g/ZaidMahdiJaberAl-Obaidi>

## SELECTED PUBLICATIONS

- **Al-Obaidi, Z.M.J.** et al. (2022). Efficient, rapid, and green chemical approach for the microwave-assisted synthesis of 2-(4-isobutylphenyl) propanoyl chloride. **WIPO-PCT Patent.** <https://patents.google.com/patent/WO2022070174A1/en?inventor=zaid+al-obaidi&oq=zaid+al-obaidi>
- **Al-Obaidi, Z.M.J.** et al. (2022). Molecular docking studies and biological evaluation of luteolin on cerebral ischemic reperfusion injury. *Egyptian Journal of Chemistry*, Article in press, 2022, -. doi: 10.21608/ejchem.2021.106753.4898
- **Al-Obaidi, Z.M.J.** et al. (2021). Does CCL19 act as a double-edged sword in cancer development? *Clin Exp Immunol*, 207(2), 164–175. <https://doi.org/10.1093/cei/uxab039> ; <https://pubmed.ncbi.nlm.nih.gov/35020885/>
- **Al-Obaidi, Z.M.J.** et al. (2021). Novel CAR T therapy is a ray of hope in the treatment of seriously ill AML patients. *Stem Cell Res Ther* 12, 465 <https://doi.org/10.1186/s13287-021-02420-8>; <https://stemcellres.biomedcentral.com/articles/10.1186/s13287-021-02420-8>
- **Al-Obaidi, Z. M. J.**, Salman, M. M., Kitchen, P., Loreto, A., Bill, R. M., & Wade-Martins, R. (2021). Advances in applying computer-aided drug design for neurodegenerative diseases. *International Journal of Molecular Sciences*, 22(9), 4688. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8124449/>
- **Al-Obaidi, Z. M. J.**, et al. (2021). Synthesis, characterization, and biological evaluation of ibuprofen derivative against colon and breast cancer cell lines. **WIPO-PCT Patent.** <https://patents.google.com/patent/WO2021033174A1/en?inventor=Zaid+Mahdi+Jaber+AL-OBaidi>
- **Al-Obaidi, Z. M. J.**, MOUSA, T. H., & ALKHAFAJI, S. L. (2021). Molecular Docking Studies and Evaluation of the Anti-Inflammatory Activity of Ibuprofen-Tranexamic Acid Codrug. *Latin American Journal of Pharmacy*, (40), 128-134. <https://mra.page.link/dzm6778fTecxRRnX8>
- **Al-Obaidi, Z. M. J.**, Hussain, Y. A., Ali, A. A., & Al-Rekabi, M. D. (2021). The influence of vitamin-C intake on blood glucose measurements in COVID-19 pandemic. *The Journal of Infection in Developing Countries*, 15(02), 209-213. <https://pubmed.ncbi.nlm.nih.gov/33690202/>
- **Al-Obaidi, Z. M. J.**, Omar F. Abdul-Rasheed, Monther F. Mahdi, & Ayad M.R. Raauf (2019). In silico design, synthesis, and characterization of new spebrutinib analogues. *Pharmaceutica Analytica Acta*, 10(3), 1-8.
- **Al-Obaidi, Z. M. J.**, Ali, A. A., & Mousa, T. H., (2019). Synthesis of Novel Ibuprofen-Tranexamic Acid Codrug: Estimation of The Clinical Activity Against HCT116 Colorectal Carcinoma Cell Line and The Determination of Toxicity Profile Against MDCK Normal Kidney Cell Line. *International Journal of Drug Delivery Technology*; 9(2); 226-235. doi: 10.25258/ijddt.9.2.18
- **Al-Obaidi, Z. M. J.**, (2019) Preparation of Fluoroquinolone Carboxamides and their Alkaline Salts and the Evaluation of Anti-cancer and Anti-Bacterial Activities. **Patent.**
- **Al-Obaidi, Z. M. J.** (2014). The quantification of human factor IX gene expression in transfected mammalian liver cells, employing the real time qPCR and the ELISA techniques. *Karbala Journal of Pharmaceutical Sciences*, (7), 218-226.