

# Academic Curriculum Vitae



## Personal Information:

Full Name: **Peshawa Shafiq Osw**  
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## Education:

- **PhD in Organic Chemistry-Synthesis, 2022** via Split-side PhD program, Salahaddin University-Erbil, Iraq in collaboration with University of Pavia, Pavia, Italy.
- **Title of PhD dissertation:** Design, Synthesis and Characterization of Novel  $\pi$ -Extended Conjugated Molecules for Organic Solar Cells. (Dissertation Advisors: Prof. Dario Pasini, Assis. Prof. Media Abdullah).
- **MSc in Natural Products Chemistry, 2011**, Salahaddin University-Erbil, Iraq.
- **Title of MSc thesis:** Chemical and Antimicrobial Studies of *Anchusa azurea* Mill. (Thesis Advisor: Prof. Faiq Hussain).
- **BSc in Chemistry, 2006**, Salahaddin University-Erbil, Iraq.

## Employment:

- I am PhD holder in Organic Chemistry-Synthesis, 2022. I have got master's degree in 2011 in natural products chemistry field. I graduated from Salahaddin University in 2007 (Ranked 1<sup>st</sup> in chemistry department).

## Qualifications

- Computer Training Course on Microsoft Office 2007, Windows 2007 and Camtasia Studio, Salahaddin University-Erbil (2010)
- Teaching Methods and Research Methodology, Salahaddin University-Erbil (2011)
- English Language Course (Preparation for IELTS), Erbil Polytechnique University-Erbil (2017).

## Teaching experience:

- **Assistant Chemistry**, Salahaddin University-Erbil, Iraq (**2007-2008**)  
Courses: General Chemistry, Biochemistry 1st and 3rd classes.
- **Assistant Lecturer**, Salahaddin University-Erbil, Iraq (**2012-2017**)  
Courses: Safety and Chemical Hazards, Biochemistry 1st and 3rd classes.
- **Lecturer**, Salahaddin University-Erbil, Iraq (**2017**)

## Research and publications

- Pshtiwan Adel Masum and **Peshawa Shafiq Osw** (2016). Preliminary Phytochemical Screening of Various Extracts for Five Plant Species in Iraqi Kurdistan Region, *Journal of University of Zakho*, 4 A, 1, 87-93.
- **Peshawa Shafiq Osw** and Pshtiwan Adel Masum (2017). Multi-Elemental Analysis of Crepis Sahendi Boiss Grown in Iraqi Kurdistan Region Using ICP-OES/ICP-MS Techniques, *Journal of University of Zakho*, 5 A, 2, 210-213.
- **Peshawa Osw**, Faiq Hussain, Davide Gozzini, and Giovanni Vidari (2017). GC-MS Determination and Identification of Eleven Fatty Acids in Triglycerides Isolated from the Seeds of Traditional Kurdish Medicinal Plant Anchusa azurea Mill., *Eurasian Journal of Science & Engineering*, 3, 2, 230-240.
- Andrea Nitti, **Peshawa Osw**, Media N. Abdullah, Alessandro Galbiati, and Dario Pasini (2018), Scalable Synthesis of Naphthothiophene-based D- $\pi$ -D Extended Oligomers via Cascade Direct Arylation Processes, *Synlett*, 29 (19), 2577-2581.
- Faiq Hama Saeed Hussain, Javed Ahamad, **Peshawa Shafiq Osw** (2019). A Comprehensive Review on Pharmacognostical and Pharmacological Characters of *Anchusa azurea*, *Advances in Medical, Dental and Health Sciences*, 2, 3, 33-37.
- **Peshawa Osw**, Andrea Nitti, Samuel I. Etkind, Media N. Abdullah, Jeremiah Mwaura, Alessandro Galbiati, and Dario Pasini (2020). Synthesis and Evaluation of Scalable D-A-D  $\pi$ -Extended Oligomers as p-Type Organic Materials for Bulk-Heterojunction Solar Cells, *Polymers*, 12 (3), 720.
- Andrea Nitti, **Peshawa Osw**, Giuseppe Calcagno, Chiara Botta, Samuel I. Etkind, Gabriele Bianchi, Riccardo Po, Timothy M. Swager, and Dario Pasini (2020). One-Pot Regiodirected Annulations for the Rapid Synthesis of  $\pi$ -Extended Oligomers, *Organic Letters*, 22 (8), 3263-3267.
- Giacomo Forti, Andrea Nitti, **Peshawa Osw**, Gabriele Bianchi, Riccardo Po and Dario Pasini (2020). Recent Advances in Non-Fullerene Acceptors of the IDIC/ITIC Families for Bulk-Heterojunction Organic Solar Cells, *Int. J. Mol. Sci.*, 21 (21), 8085.

- **Peshawa Osw** and Faiq Hama Saeed Hussain (2020). Inductively Coupled Plasma-Optical Emission Spectrometric Determination of Some Elements from *Anchusa azurea* Mill. Collected in Iraqi Kurdistan Region. *Eurasian Journal of Science & Engineering*, 6(2), 21-30.
- **Peshawa Osw** and Faiq Hama Saeed Hussain (2020). Isolation of Kaempferol 3-O-Rutinoside from Kurdish Plant *Anchusa italica* Retz. and Bioactivity of Some Extracts. *Eurasian Journal of Science & Engineering*, 6(2), 141-156.

## Conferences and courses attended

- **Peshawa Osw**, Andrea Nitti, Media Abdullah and Dario Pasini (2019). Sustainable Synthesis of Novel Small Molecules with D- $\pi$ -(A or D)- $\pi$ -D Architectures for Organic Photovoltaics; Poster presentation at the **OMCOS20, Heidelberg-Germany**, winning Poster Prize awarded by Thieme.
- **Peshawa Osw**, Pshtiwan Masum (2017); Oral presentation at the 2nd International Scientific Conference **UoZ- Zakho, Iraq** " Multi-Elemental Analysis of Crepis Sahendi Boiss Grown in Iraqi Kurdistan Region Using ICP-OES/ICP-MS Techniques".

## Funding and academic awards

- Scholarship from the higher committee for education development (HCED), Iraqi government, 2014.
- Split-site PhD program scholarship, Kurdistan region government, Salahaddin university-Erbil, 2018.

## Professional memberships

- 2006 to Date Member of the Kurdistan Chemists Syndicate, Erbil-Iraq.

## Professional Social Network Accounts:

- [https://scholar.google.it/citations?hl=en&user=3qNa\\_VIAAAAJ](https://scholar.google.it/citations?hl=en&user=3qNa_VIAAAAJ)
- <https://www.researchgate.net/profile/Peshawa-Osw>
- <https://orcid.org/0000-0002-0942-3187>
- [https://twitter.com/PeshawaOsw?t=aU0JwbSu\\_J9rOF4ENYUExA&s=09](https://twitter.com/PeshawaOsw?t=aU0JwbSu_J9rOF4ENYUExA&s=09)
- <https://www.facebook.com/peshawa.osw>
- <https://www.linkedin.com/in/peshawa-osw-7b41013b/>