



## Haval Ali Hussein

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Close to Zareland complex

Kurdistan region- Iraq

Nationality: Kurdish, Iraqi

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### Education

2017 - 2021	University of Duhok/Duhok-Iraq PhD in physical chemistry Four years – Excellent
2012-2013	University of Leicester/England-United Kingdom MSc in by individually supervised study in physical chemistry One year – Merit (grade 69%, B, UK system)
2006-2010	University of Duhok/Kurdistan-Region-Iraq BSc Chemistry science Four years - grade 89.78%
2003-2005	Kawa High School/ Kurdistan-Region-Iraq BCs Three years - grade 84.4%

## Honors and Awards

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- I have received honors certificates from both ministers of higher education in Kurdistan region and Iraq for being from the top students on Iraqi universities in 2010.
- I have been awarded a fully funded scholarship from Kurdistan-regional government in a program called Human Capacity Development (HCDP) to study master degree abroad in 2010.

## Work experiences

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- I used to work in analyzing blood tests in a private lab from 2006 to 2010(Private sector).
- I have recently appointed in the government sector at faculty of Science/University of Duhok/Chemistry department. I used to work as a research assistant in Inorganic and Biochemistry labs in one year from 2010-2011.
- Now I am teaching polymer, petroleum and physical chemistry to undergraduate students in the faculty of science chemistry department/ University of Duhok.
- I taught general chemistry to Gara petroleum institute students one year from 2014-2015.
- I taught basic chemistry in Media International American school in Kurdistan region two years from 2014-2016.
- I taught science to the school students in the Stirling schools or British school in Duhok-Iraq in 2020-2021.
- I taught general chemistry to the medical laboratories and anathesia departments in the health science college first stage at University of Duhok- Iraq in 2020-2021.
- I taught general chemistry to biomedical engineering college first stage at University of Duhok- Iraq in 2020-2021.
- I taught general chemistry to geology department first and second stages at University of Duhok- Iraq in 2020-2021.
- I taught physical chemistry (electrochemistry, thermodynamics and kinetics) to Duhok Polytechnique university department of chemical engineering and petroleum engineering in 2020-2021.

## Research experiences

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I run several research projects under supervision of different academics:

- Optimising an alternative for medium density fibre board (MDF) under supervision of Prof Andrew Abbott at school of chemistry/Leicester university/England.
- Alloy electroplating under supervision of Dr Katy Mc Kenzie at school of chemistry/Leicester university/England.
- Matlab molecular simulation under supervision of Dr Adrian Boatwright at school of chemistry/Leicester university/England.
- Analysis of drinking water by my own at school of chemistry/Duhok university/Kurdistan Region-Iraq.
- Published research under title the impact of the ionic liquid viscosity on the electroplating process of Zn, Sn and Zn/Sn alloys in Journal of Duhok university-Iraq
- Recently published a paper in the impact factor journal (Thomson router): Hussein HA, Fadhil GF. Theoretical investigation of para amino-dichlorochalcone isomers, part I: A DFT structure—stability study. J Phys Org Chem. 2020; e4073. <https://doi.org/10.1002/poc.4073>.

## Languages

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- Kurdish (Fluent) written and spoken (mother tongue).
- English (Fluent) written and spoken. (80 in TOEFL iBT tested at the 24<sup>th</sup> September 2016).
- Arabic (Fluent) written and spoken.

## Language courses, workshops and conferences

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- General English course at ils English institute for two months-England.
- Mixed academic and general English course (course C) at English language teaching unit-Leicester university-England.
- Fully academic English course (course D) at English language teaching unit-Leicester university-England.
- Excel in a simplified way-Duhok University.

- E-learning-Duhok University.
- Mendeley File Organiser.
- Introduction into Mass Spectrometer.
- Scientific conference on Gynecology and Obstetrics
- Participated as a speaker in the Kurdistan 5<sup>th</sup> international conference on science and technology 24<sup>th</sup>-25<sup>th</sup> April 2019.
- 5<sup>th</sup> physics fair May 9,2019.
- Physics laboratory design workshops held on the 4<sup>th</sup> May,2019.
- Third International (Virtual) Scientific Conference of Medical Sciences Entitled: The Effectiveness of Scientific Research and Medical Education in Facing Challenges  
was held in College of Medicine University of Al-Qadisiyah online on the 13<sup>th</sup> - 14<sup>th</sup> Mar, 2021.
- The 1<sup>st</sup> International Conference on Education & Teaching in K-12 Schools (ICET). “Empowering Education & Classroom Experience in the Post-Covid World.” 17<sup>th</sup> -18<sup>th</sup> May, 2021.

## References

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