

CURRICULUM VITAE

NAME: Huda Sami Abdul-Ridha Alhasan

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United Kingdom address: My University address is Cottingham Rd, Hull University, Chemistry Department/ HU6 7RX.address is: 20 Sidmouth Street, Hull city.

My living

Iraq address: University of Babylon, College of Science, Babylon, Iraq.

Education:

PhD in Chemistry, University of Hull, (February 2014 - January 2018)

Thesis title:" Electrochemical Investigation of Electron-Transfer Cascades for the Development of Solar Energy Conversion Based On Artificial Photosynthesis."

- Carried out an extensive research about using chlorophyll and its derivative in electrochemistry within the organic and biphasic solution.
- Ran risk assessments that complied with the university health & safety regulations.
- Collected, analysed and interpreted research data.
- Linked to different data to improve research approaches.
- Assisted colleagues in some technical skills.
- Cooperated with coworkers in my research group.
- Kept a good practice laboratory.
- Obeyed with the university rules and guidelines.
- Examining the use of natural product systems to achieve advances in the field of light-to-electrical energy conversion.
- Written research findings for progress reports, scientific journals and the final thesis.
- Developed the experience in the following modern chemistry techniques:
- Atomic absorption spectrometry (AAS), Linear sweep voltammetry (LSV), Cyclic Voltammetry, Rotating Disk Voltammetry(RDE), Electron Microscopy (TEM&SEM), Nuclear magnetic resonance spectroscopy (NMR), High-Performance Liquid Chromatography (HPLC) and Ultraviolet-visible spectroscopy (UV/VIS).

Postgraduate Diploma in Research Training, University of Hull, (2014- 2016)

Took a training scheme to develop personal and professional skills, *i.e.*, research skills, communication skills, health & safety in research, Continuing Professional Development for Chemists 1&2, Liquid Crystal Workshop, Analytical Chemistry Workshop, Laboratory Demonstrator Training (Practise), Research Progress Report, Viva Voce Defence of the Research Report and Departmental Presentation.

MSc in Analytical Chemistry, University of Kufa, (2005-2008)

Modules studied first semester:

- Organic Chemistry
- Inorganic chemistry
- Analytical chemistry
- Physical chemistry
- Chemical literature

- Psychology
- English language
- Computer

Modules studied the second semester:

- * atomic absorption spectroscopy
- * Gas chromatography
- * High-performance liquid chromatography

- **MSc project research:** completed 60,000 words MSc dissertation on "Thesis title: *Semi-Micro Quantitative Determination of Palladium(II) and Platinum (II) Ions by Used New Organic Reagent 5- [(4-nitro phenyl azo)]-4,6-Di hydroxyl-2-Mercapto Pyrimidine*". Final average of the thesis and two semesters: (83.472).

Work experience:

A. demonstrator in a lab

Analytical Laboratory, Department of Chemistry, University of Hull, (2014-2016)

- Supervised and advised undergraduate students in using modern analytical techniques.
- Conducted an oral examination to assess student's background information.
- Explained the experiment with the demonstration the operation method of the instrument.
- Raised students' awareness and implementation of a good particle laboratory including the health & safety regulations.
- Assisted students in analysing the experiment data and marked students' laboratory reports.

B. Current position in Iraq from 1st of July 2018 is: A researcher in Environmental Research and Studies Centre, Babylon University.

Professional Memberships:

- I was a member of SCI 2016 present.
- I was a member of RSC 2017 present.

Communication skills:

- The main author of three scientific papers based on the results of PhD research, which are planning for submission to scientific journals with good impact factors.
- Presented research findings in a poster presentation to 6th PhD Experience Conference (7-8) April 2015 The university of Hull, Departmental Poster (22-23) July 2015 in Hull University and poster presentation in SCI Electrochemistry Postgraduate Conference 26th of May 2016 in University College London.

ICT skills:

ChemBioOffice, Endnote & Endnote web, General Purpose Electrochemical System (GPES), Image J, Microsoft office, Inscap and Origin.

Languages:

Arabic: Native

English: Professional working proficiency

EXPERIENCES:

2012-up to now A lecturer in the Department of Chemistry, College of Science, University of Babylon, Iraq

2008-2011 Assistant Lecturer: Department of Chemistry, College of Science, University of Babylon, Iraq.

Teaching Experience:

1/ I taught the following courses:

- Hazard and safety (2011).
- Instrumental chemistry (2011).

2/ I supervise the following Laboratories: -

- Analytical chemistry (2008-2012).
- Instrumental chemistry (2012).
- General Chemistry (2011).
- Analytical chemistry ((2010).
- Biochemistry (2009).
- Inorganic chemistry (2008).

Publication:

1- "Synthesis of 4-[(4-antipyril)azo]resorcinol I& its use in the spectrophotometric determination of lead.

2- spectrophotometric determination of lead(II) using new of derivatives thiazolyl azo 2[6-(methyl-2-benzothiazolyl) azo]-4-chlorophenol.

3- Preparation spectrophotometric determination study of palladium(II)&platinum(II) using new reagent of 5-[(4-nitro phenyl)azo]-4,6 dihydroxyl -2-mercapto pyrimidine

4- Synthesis of 4-[(4-antipyril)azo]resorcinol spectrophotometric determination of Iron(III).

5- Preparation and identification of some Azo Antipyril derived From Antipyril and one of A New azo-pyrimidine and study of their Antibacterial Activity against Two Pathogenic bacteria.

6- Preparation, characterization and the antibacterial activities of palladium (II) and platinum (II) complexes.

7- Synthesis and characteristic of Fe(II)&Ni(II) complexes with new of Derivatives pyrazolone azo orcinol by spectrophotometric methods

8- A Rapid and Sensitive Spectrophotometric Determination of Copper (II) and Platinum (II) using new reagent of 5- [(4-hydroxy phenyl) azo]-4,6-di hydroxy-2-Mercapto pyrimidine

Referee

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