
CURRICULUM VITAE

BRIEF BIOGRAPHY:

Media was awarded Bachelor and Masters in Salahaddin University in chemistry. Then she was awarded PhD in Bioinorganic chemistry from university of Birmingham under the supervision of **Prof. James Tucker** working on cancer therapy. Immediately after her PhD, she worked as a postdoc with **him** at the same university. Media attended tens of conferences and symposiums around the world as a speaker and poster presenter and won the poster prize in some of them. Media has 17 years of experience in teaching and academic researching and published many papers in high rank scientific journals. She joined knowledge university as a lecturer in College of Pharmacy teaching Theory and practical biochemistry.

PERSONAL/CONTACT INFORMATION

Name: Media Khursheed Ismail

Date of birth (dd/mm/yy): 10/01/1980

Contact no. 07517976681, 07704199955

E-mail: mediaKhursheed@ntu.edu.iq, media.ismail@gmail.com

Languages: Fluent in Kurdish, Arabic and English

Nationality: Iraqi/ Kurdish

Address: Kirkuk, Garden City



EDUCATION BACKGROUND AND QUALIFICATIONS

2025	Joined Northern Technical University/College Health and Medical Techniques/ Department of Medical laboratory techniques
2024	Lecturer at Al Qalam University College/ Medical instruments , Clinical Chemistry
2021	Lecturer at Knowledge university/College of Pharmacy, Biochemistry
2018-2020	Private one to one tutorial Level A chemistry OCR, edexcel and AQA with in Bath/ The tutor team.com
2018	Post-doctoral research in development of new cancer therapy for 6 months at university of Birmingham/ School of chemistry
2014-2018	PhD Chemistry , University of Birmingham, United Kingdom

Thesis title: Synthesis and Anticancer activity of Metallocene-Containing Nucleoside and DNA Analogues.

Supervisors: Prof. James H.R. Tucker

Examiners: Dr. Francisco F. Trillo and Dr. Chris J. Richards

2004-2006 **Master (M.Sc.) Inorganic chemistry**, Chemistry department, College of Science, Salahaddine University
Project title: Synthesis and characterization of some transition metal complexes containing heterocyclic acetamide and Schiff bases.
Supervisors: Prof. Ali I. Abdullah

1998-2002 **Baccalaureate (B.Sc.) Science/Chemistry**, College of Science, Chemistry department, Salahaddine University.

KEY SKILLS

- **Experimental techniques**
 - Synthesis of organic and organometallics
 - Preparation of inorganics
 - Good skill in flash column chromatography purification
 - Good skill in HPLC purifications of chemical products and DNA
 - NMR characterization and interpretation of every peak
 - Mass spectrometry
 - Infrared spectroscopy
 - Melting point
 - CHN analysis
 - Good skill in growing crystals of the chemical products
 - Electrochemical measurements and analysis of data
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WORK EXPERIENCE

- **Teaching, Management and Research**

2021 Joined knowledge university as a lecturer in College of Pharmacy teaching Theory and practical biochemistry

2022 Developed a course book of biochemistry for 2nd grade in both theory and Lab

2018-2020 Online teaching GCSE chemistry

Jul2017-Dec2017 Research fellow, School of Chemistry, University of Birmingham, United Kingdom.

Sep 2016- Aug 20017 School safety leader of research group, School of Chemistry, University of Birmingham, United Kingdom.

Jan 2007- Jan 2013 Assistant Lecturer at Kirkuk University, College of Science, Kirkuk.

Mar 2003- Dec 2006 Lab assistant at Salahaddine University, College of Science, Erbil

CONFERENCES, WORKSHOPS, SEMINARS AND TRAININGS

July 2015 The 11th Nucleic acid Forum/ RSC Chemistry Centre/ Burlington house/ London/ UK, **Listener.**

March 2016 6th Chemical Nanoscience Symposium Newcastle/ School of Chemistry, Bedson Building Newcastle University/ Newcastle/ UK, **Poster Presentation.**

Jul 2016 Postgraduate Symposium/ School of Chemistry/ University of Birmingham/UK, **Poster Presentation**

Jun 2017 Postgraduate Symposium/ School of Chemistry/ University of Birmingham/UK, **Oral Presentation**

August 2017 Annual research poster conference/ Graduate school, Great Hall/ University of Birmingham/ UK, **Poster Presentation.**

August 2017 VII International Symposium on Advances on Synthetic and Medicinal Chemistry/ Vienna/ Austria

August 2018 European Biological Inorganic Chemistry Conference (EuroBIC)/ College of Medical and Dental Sciences/ University of Birmingham/ UK, **Poster Presentation.**

November 2021 Seminar on Developing novel non-antibiotic related treatment for tuberculosis/ College of Pharmacy/Knowledge university

December 2021 International Day of People with special needs Symposium and Charity Exhibition / College of Pharmacy/Knowledge university

January 2022 International workshop entitled Floods in Erbil: Problems and Solutions/ Department of Petroleum Engineering at Knowledge University

February 2022 Seminar entitled computer aided drug design (CADD)/ College of Pharmacy/Knowledge university

March 2022 Seminar entitled Propolis source, uses and product developed/ College of Pharmacy/Knowledge university

April 2022 International workshop entitled For better health, what should we eat in Ramadan/ College of Pharmacy/Knowledge university

FELLOWSHIPS AND AWARDS

- PhD scholarship from The Ministry of Higher Education and Scientific Research (HSR), 2012.
- Poster presentation prize at Postgraduate Symposium/ School of Chemistry/ University of Birmingham/UK,2016.

PUBLICATIONS:

1. The Healing Power Of Dietary Supplements To Prevent Long-Term Covid-19; A Prospective Observation Study
Hadi Hussein Mohammad, Tariq Waece Sadeq, Media Khursheed Ismail, Swar Omer Ahmed, Zana Zrar Ameen
In Polytechnic journal
DOI: <https://doi.org/10.59341/2707-7799.1804>
2. A ferrocene-containing nucleoside analogue targets DNA replication in pancreatic cancer cells
Marium Rana, Alessio Perotti, Lucy M. Bisset, James D. Smith, Emma Lamden, Zahra Khan, **Media K. Ismail**, Katherine Ellis, Katie A. Armstrong, Samantha L. Hodder, Cosetta Bertoli, Leticia Meneguello, Robertus A. M. de Bruin, Joanna R. Morri, Isolda Romero-Canelon, James H. R. Tucker and Nikolas J. Hodges
In Metallomics journal , Volume 14, Issue 7, July 2022,
DOI: 10.1093/mtomcs/mfac041
3. Effect of Regiochemistry and Methylation on the Anticancer Activity of a Ferrocene-Containing Organometallic Nucleoside Analogue
Media K. Ismail, Zahra Khan, Marium Rana, Sarah L. Horswell, Louise Male, Huy V. Nguyen, Alessio Perotti, Isolda Romero-Canelón, Edward A. Wilkinson, Nikolas J. Hodges, and James H. R. Tucker
In chembiochem journal 2020, 21, 2487– 2494
DOI: 10.1002/cbic.202000124
4. Organometallic nucleoside analogues: effect of the metallocene metal atom on cancer cell line toxicity
Media K. Ismail, Katie A. Armstrong, Samantha L. Hodder, Sarah L. Horswell, Louise Male, Huy V. Nguyen, Edward A. Wilkinson, Nikolas J. Hodges and James H. R. Tucker
In Dalton Transactions. 2020;49(4):1181-90
DOI: 10.1039/c9dt04174e
5. Organometallic Nucleoside Analogues: Effect of Hydroxyalkyl Linker Length on Cancer Cell Line Toxicity
Jonathan L. Kedge, Huy V. Nguyen, Zahra Khan, Louise Male, **Media K. Ismail**, Holly V. Roberts, Nikolas J. Hodges, Sarah L. Horswell, Youcef Mehellou, and James H. R. Tucker
In the European Journal of Inorganic Chemistry 2017, 466–476
DOI: 10.1002/ejic.201600853
6. Synthesizes and Characterization Studies of Some Metal Ion Complexes with EOSBE and MOSBE
Hikmat Ali Mohamad and **Media Ismail**
In the Journal of Food Science and Engineering, 4 (2014) 160-165

7. Magnesium(II), Cobalt(II), Nickel(II) and Copper(II) Complexes of some heterocyclic schiff bases derived from salicylsdehyde and 2-Amino(Pyridine, Pyrimidine, Benzothiazole and Benzimidazole)

Ali I Abdullah and **Media K. Ismail**

In Zanco journal of pure and applied Science, University of Salahaddine, Vol 24, no.4, 2012.