

**Full Name: Vian Sdiq Ismail**

**Contact Info**

**Faculty:** Science/Soran University

**Department:** Chemistry

**Home Address:** 32 Park-Sarbasti-Erbil-Kurdistan

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**Phone Number:** (00964-750-4605501)



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**Languages:**

**Kurdish (Native language), Arabic (very good), English (Excellent)**

**Academic title:** Lecturer

**Responsibility:** A member of the academic staff in the department

**General Expertise:** Chemistry

**Specific Expertise:** Analytical chemistry-Mass spectrometry

**Research Interests:** Probing lipidation of proteins and peptides by mass spectrometry-liquid chromatography.

-Analysing natural products.

-Analysing chemicals in cosmetic products.

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**Education:**

-B.Sc. In General Chemistry, College of Science, Chemistry Department, Salahaddin University, Erbil, Iraq (2002-2003).

- M.Sc. In Analytical Chemistry, College of Science, Chemistry Department, Salahaddin University, Erbil, Iraq (2007-2008).

- PhD. In Analytical Chemistry, Faculty of Science, Chemistry Department, Durham University, Durham, United Kingdom (2017-2018).

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**Biography:**

- 2002-2003: B.Sc. in Chemistry, College of Science, Salahaddin University, Erbil, Kurdistan.
- 2003-2005: Assistant Chemist, Chemistry Department, College of Science, Salahaddin University, Erbil, Kurdistan.

- 2007-2008: M.Sc. in Analytical Chemistry, College of Science, Salahaddin University, Erbil, Kurdistan.
  - 2008-2009: Assistant Lecturer, Chemistry Department, College of Science, Salahaddin University, Erbil, Kurdistan.
  - 2010-2012: Assistant Lecturer, Biology Department, Faculty of Science, Soran University, Erbil, Kurdistan.
  - 2017-2018: PhD in Analytical Chemistry-Mass spectrometry/Faculty of Science/Durham University/United Kingdom.
  - 2018-up to date: Lecturer, Chemistry Department, Faculty of Science, Soran University, Erbil, Kurdistan.
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### **Publications:** (Books, researches)

- ❖ Vian S. Ismail, M.Sc. Thesis, University of Salahaddin-Erbil, **2007**.
  - ❖ Ismail, Vian S., Bechinger, Burkhard, Mosely, Jackie A., et al. "Peptide lipidation by acyl transfer from membrane lipids and lyso-lipids" *Biophysical Journal*, 106 (**2014**), 296A.
  - ❖ Britt, Hannah M., Ismail, Vian S., Prakash, Aruna S., et al. "Understanding molecular complexity in protein and peptide-lipid systems." *Biophysical Journal*, 108 (**2015**): 552A.
  - ❖ Ismail, Vian S., Jackie A. Mosely, Antal Tapodi, Roy A. Quinlan, and John M.Sanderson. "The lipidation profile of aquaporin-0 correlates with the acyl composition of phosphoethanolamine lipids in lens membranes." *Biochimica et Biophysica Acta (BBA)-Biomembranes*, 1858 (**2016**): 2763-2768.
  - ❖ Britt, Hannah M., Ismail, Vian S., and John M.Sanderson. "New Insights on the Lipidation of Peptides and Proteins in Lipid Membranes" *Biophysical Journal*, 110, 3 (**2016**): 576A.
  - ❖ Britt, Hannah M., Ismail, Vian S., Jackie A. Mosely, and John M.Sanderson. " Understanding the Role of Peptide-Lipid Reactions in Biological Systems" *Biophysical Journal*, 110, 3 (**2016**): 574A.
  - ❖ Vian S. Ismail, PH.D. Dissertation, University of Durham, **2017**.
  - ❖ Britt, Hannah M., Ismail, Vian S., Lyne, Vanessa, Jackie A. Mosely, and John M.Sanderson. "Changes in the Biophysics of Lipid Membranes Mediated by Peptides and Drugs" *Biophysical Journal*, 114, 3 (**2018**): 258A.
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## **Scientific Activities:** (Conference, Workshop, Symposium)

### **Scientific courses/activities:**

- Software Skills: Microsoft office word, Microsoft office excel 2010, Microsoft office power point 2010 and long document using word.
  - Introduction to E-journal and database.
  - Finding images for your presentation and assignments.
  - Google Scholar and introduction.
  - Referencing (Bibliography) software: EndNote style (introduction and advance).
  - Speed reading course in scientific research (Durham University/UK).
  - Teaching and assessment course (Durham University/UK).
  - English course: Intensive English course, Kaplan International College, Oxford/UK.
  - IELTS (6.5): Listening, 6.5, Reading, 6.5, Writing, 7.0, Speaking, 6.5.
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### **Skills and Expertise**

- Mass Spectrometry, LC-MS, LC-MSMS, Ion Mobility Separation-Mass Spectrometry, Chromatography, Protein/peptide Chemistry, Bioanalysis, Analytical Chemistry, Method Development, HPLC, Flow Injection Analysis, Spectrophotometry
  - **Software related to MS:** Xcalibur, MassLynx, and Flex Analysis version (Autoflex).
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### **Conferences and Workshops:**

- Ion Mobility Mass Spectrometry Special Interest Group Meeting and Training Day, IM-MS SIG Manchester Institute of Biotechnology, University of Manchester 1st and 2nd July 2014.
- Sheffield Hallam University and BMSS imaging SIG presents: MALDI and beyond, mass spectrometry imaging symposium 9th July 2014.
- BMSS INTRODUCTION TO MS COURSE 2015 , University of Birmingham, Edgbaston Monday 14<sup>th</sup> and Tuesday 15<sup>th</sup> September 2015.

- Hichrom Limited, MD Strategies to Exploit Selectivity the Analysis of Polar Molecules Techniques of Biomolecules Characterisation, 7<sup>th</sup> June 2016, Sunderland, Marriott Hotel
  - 63rd ASMS conference on mass spectrometry and allied topics, America's Center, St. Louis, Missouri, USA, poster presentation entitled “Multi-acylation of melittin by lysophosphatidylcholines (lysoPCs) and diacylphosphatidylcholines (diacylPCs) and the enhanced reactivity of melittin towards lysoPCs” May 31 - June 4, 2015.
  - Instrumental analysis and their application in modern science, Faculty of science/Soran university/ErbillIraq, 19th and 20th February 2019.
  - Bologna process at soran university, Faculty of science/ soran university 8th April 2019
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- **Professional Memberships**

- Member, British Society for Mass Spectrometry (BMSS)
  - Member, Iraqi Kurdistan Chemists Syndicate
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## **Certifications**

- Soran University, Teaching Methods, 2009-2010
  - Soran University, Pedagogy and Bologna Process, Sep. 2019
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## **Specialized Coursework**

- **Ph.D. Courses:** Practical Mass Spectroscopy, Separation Methods, Practical NMR spectroscopy, Structure and Spectroscopy of Diatomic Molecules, Lipid Membranes, and Paper Writing for 2nd and 3rd Year PG Students.
- **Master's Courses:** Adv. Inorganic Chemistry, Adv. Spectrophotometric Chemistry, Adv. Organic Chemistry, Adv. Analytical Chemistry, Adv. Polymer Chemistry, Diazonium and Oxidation Reaction, Research Methodology, Adv. Physical Chemistry, Adv. Organic Chemistry (Part II), Flow Injection Analysis, and Electrochemistry.