

**CURRICULUM VITAE**  
**Dr. Haitham H. Al-Sa'doni Ph.D CChem MRSC**



**Personal:**

Date of Birth: 29 August 1962

Place of Birth: Cairo, Egypt

Nationality: Jordanian

Marital Status: Married

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## Current Posts:

- **Feb 2009-Present:** Associated Professor of Organic Chemistry, Department of Chemistry, Al al-Bayt University, Mafraq, Jordan.
- **Sep 2012-Sep 2015:** Deputy Dean for Higher Education/Al al-Bayt University, Mafraq, Jordan.
- **Jul 2009- Jan2010:** President- Founder Committee of the American University of Aviation (AUA)-project, Amman, Jordan.
- **Jul 2009-Dec 2009:** President-Founder Committee of The Medical Science University (MSU)-project, Amman, Jordan.
- **Aug 2006-Feb 2008:** Academic Consultant, Middle East University for Graduate Studies (MEUGS), Amman, Jordan.
- **Jul 2006-Nov 2007:** President- Founder Committee of the Modern Air Academy (MAA))-project, Amman, Jordan.
- **Jul 2006-Nov 2007:** Member-Founder Committee of The Medical Science University (MSU)-project, Amman, Jordan.
- **Apr 2006- Nov 2007:** Member-Board of Directors-Raya International Investment & Education Group, Amman, Jordan.
- **Dec 2005- Nov 2007:** Vice General Manger/ Raya International Investment & Education Group, Amman, Jordan.
- **Oct 2005- Apr 2006:** Member-Board of Directors-Arab Scientist Company for Education (ASCE), Represent Raya International Investment & Education Group, Amman, Jordan.

- **Nov 2005:** Assistant General Manger/ Raya International Investment & Education Group, Amman, Jordan.
- **2005- Present:** Member / Board of Trustee/ The American University at Khartoum (AUK)-Sudan.
- **Dec 2005- Jun 2006:** President of the Maintenance Contracts Committee / Al al-Bayt University, Mafraq, Jordan.
- **Feb 2006- Nov 2009:** Member / Board of Trustee/Middle East University for Graduate Studies (MEUGS), Amman, Jordan.
- **Jan 2005-Present:** Assistant General Manger for Academic Affairs / The American University at Khartoum (AUK)-Sudan.
- **May 2004-Sep 2006:** Member-Board of Directors/University of Graduate Studies (UGS)-Company, Amman, Jordan.
- **Sep 2004-Sep 2005:** Assistant Dean for scientific departments/ Faculty of Arts and Science /Al al-Bayt University, Mafraq, Jordan.
- **April 0004-Nov 2007:** Academic Consultant, Raya International Investment & Education Group, Amman, Jordan.
- **Jun 2004-Present:** Founder member of University of Graduate Studies (UGS), Amman, Jordan.
- **Oct 1996-Nov 2007:** Founder member of the American University of Middle East (AUME), Amman, Jordan. Also Chairman of the Higher Academic Committee.
- **Oct 2002-Present:** Founder member of the American University at Khartoum (AUK)-Sudan. Also Chairman of the Higher Academic Committee.
- **Jun 2004-Present:** President-Board of Directors, Vice-General Director, President of the Founder Committee. The International University of Technology (IUT) - Riyadh or Jiddah- Saudi Arabia-Project. Also Chairman of the Higher Academic Committee.
- **Oct 2003-Present:** Founder member of the American University of Spain (AUS)-Spain-Project. Also Chairman of the Higher Academic Committee.
- **Oct 2003-Present:** Founder member of the American University at Manama (AUM)-Bahrain-Project. Also Chairman of the Higher Academic Committee.
- **Oct 2003-Present:** Founder member of the American University at Tartus (AUT)-Syria. Also Chairman of the Higher Academic Committee.

- **Oct 2001-Oct 2002:** Assistant Dean for scientific departments/ Faculty of Arts and Science/Al al-Bayt University, Mafraq, Jordan.
- **Sep 1999- Oct 2001:** Chairman of Chemistry Department, Al al-Bayt University, Mafraq, Jordan.
- **Aug 2000-Aug 2002:** Director of N.O.D. Bio-Formulae Ltd  
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- **Mar 1999-Mar 2002:** Wellcome Trust International Research Development Award (UK-Jordan).
- **July 98-July 99:** Wellcome Trust Travelling Research Fellow (UK), on secondment from the Department of Chemistry, Al al-Bayt University, Mafraq, Jordan.
- **1997- Present:** Supervising M.Sc. students and B.Sc. students at the Department of Chemistry, Al al-Bayt University, Mafraq, Jordan.
- **Sep 1997- Feb 2009:** Assistant Professor of Organic Chemistry, Department of Chemistry, Al al-Bayt University, Mafraq, Jordan.
- **Sep 96-Jan 97:** Lecturer in Chemistry at Princess Sumaya University College for Technology (Part-time), Amman, Jordan.
- **1989-1996:** Founder member of the Applied Science University (ASU), Amman, Jordan.

## Positions held:

- **Academic Experience:**
- **Oct-Dec 95:** Laboratory demonstrator to first year undergraduates in the School of Chemistry, University of St. Andrews, UK.
- **Sep 88-Sep 93:** Chemistry Lecturer and Chemistry Course Director (Oct. 90 - Oct. 91) at Jubail Industrial College, Al-Jabail Al-Sinaiyah, Saudi Arabia.
- **Sep 88-Sep 89:** Chemistry Lecturer at Al-Andalus Community College. At the same time, I was working as a Research Assistant at the University of Jordan.
- **Oct 84-Aug 88:** Teaching assistant at the University of Jordan, Amman, Jordan.

- **Administrative Experience:**

- **Oct 94-Jun 96:** Hall of Residence Sub-Warden (David Russell Hall) at the University of St. Andrews. Duties include assisting the warden with student welfare and discipline issues (UK).

### **Academic Qualifications:**

- **1996: Ph.D.** University of St. Andrews, working on *S*-Nitrosothiols as NO-Donor Drugs [Synthesis, Mechanistic Studies, Chemical Stability, Pharmacological and Physiological Activity], under the supervision of Dr. A. R. Butler.
- **1988: M.Sc.** (with average 82.8%), from the University of Jordan, Amman, Jordan; Physical Organic Chemistry (Mechanistic Study). Thesis title: "Kinetics of the Oxidation of Benzyl Alcohols with Manganese Dioxide (Mechanistic Study)" under the supervision of Professor A. A. Jarrar and Professor R. A. El-Zaro.
- **1984: B.Sc.** Chemistry (with average 78.08% second top in the Department) from Al-Mustansiriyah University, Baghdad, Iraq.

### **Grants & Awards:**

- **Mar 1999-Mar 2002:** Wellcome Trust International Research Development Award (UK-Jordan), a grant of up to £66,991 (sixty six thousand, nine hundred and ninety one pounds) for an International Research Development Award for Dr. H. H. Al-Sa'doni over three years for his study entitled "Design and synthesis of novel nitric oxide-donor drugs with tissue selectivity and specificity".
- **July 98-July 99:** Wellcome Trust Travelling Research Fellow (UK), a grant of up to £37,368 (thirty seven thousand, three hundred and sixty eight pounds) to provide a fellowship for Dr. H. H. Al-Sa'doni over twelve months for the design and synthesis of novel nitric oxide-donor drugs.
- **Sep 93-Jun 96:** ORS Award, UK.

### **Scientific Societies:**

- **1996: CChem MRSC** (UK).
- **1996: MACS** (USA).
- **2006: MJCS** (Jordan).

### **Social Societies:**

- **2019:** Member / Royal Jordanian Shooting Club.
- **2019:** Member / The Royal Yacht Club of Jordan.

- **2020:** Member / Royal Jordanian Gliding Club.
- **2020:** Member / Royal Jordanian Equestrian Federation .

### **Supervising Graduation projects & Masters Students:**

- A) Supervised many graduation projects (B.Sc. Students).
- B) Supervised and co- supervised many master students (M.Sc. Students).
- Kinetics and mechanism of arylhydrazide and arylhydrazine oxidation using Iron (III) in the presence of ferrozine in acidic media/Mahmood 'Mohamed Saeed' Houssain Salman/2000.
  - Synthesis of new piperazine derivatives/Mohammad Nafiz Ameen Salem/2005.
  - Synthesis of new imidazol derivatives/Houssain Abdllah Saeid Amjaour/2005.
  - Synthesis and characterization of new sulfonamide derivatives/Ihsan H. Jaber/2006.
  - Synthesis and characterization of newly substituted benzothiazoles and benzoxazoles/Mohammad O. Bani Khaled/2006.
  - Synthesis of new benzothiazole derivatives/Reem Hussein Mahmmoud Yoseef Al-Shaneek/2007.
  - New Benzothiazole Derivatives: Reaction of 2- amino -1- (4- (benzo [d] thiazol -2- yl) piperazin -1- yl) ethanone with aldehydes/Sadeekah Omar Wafiq Saber/2007.

### **Publications:**

**Patent:** Al-Sa'doni HH, Ferro A.

International Publication Number: WO 02/16405 A1

International Application Number: PCT/GB01/03822

International Publication Date: 28 February 2002

Title "S-NITROSO THIOLS AND THEIR USE AS MEDICAMENTS FOR CARDIOVASCULAR DISEASES".

### **Reviews:**

- Abu-Surrah, A. S., Al-Sa'doni, H. H., and Abdalla, M. Y. Palladium – based chemotherapeutic agents: Routes toward complexes with good antitumor activity. *Cancer Therapy*, 2008, **6**(1): 1-10.
- Al-Sa'doni, H. H., Ferro, A. Current status and future possibilities of nitric oxide-donor drugs: focus on S-nitrosothiols. *Mini Rev Med Chem*. 2005 Mar; **5**(3): 247-254.
- Al-Sa'doni, H. H., Ferro, A. S-nitrosothiols as nitric oxide-donors: chemistry, biology and possible future therapeutic applications. *Curr. Med. Chem*. 2004 Oct; **11**(20): 2679-90.

- Al-Sa'doni, H. H., Ferro, A. (2000). S-Nitrosothiols: A class of nitric oxide-donor drugs. *Clin. Sci.* **98**, 507-520.

## Papers:

- Dajani, W. F., and Al-Sa'doni, H. H. (2021). Attitudes of the students of the Department of Chemistry at Al al-Bayt University towards the use of hybrid education in teaching practical courses in light of the Covid-19 pandemic, *Arab Journal of Quality in Education (AJQE)*, 8(2), 103-117.
- Al-Sa'doni, H. H., Mohammed, H. A., Al-Najjar, B. O., Al-Suod, H. H., Al-Ahmad, A. H., Al-Soud, E. Y., Alhelal, K. A. S., and Al-Soud, Y. A. (2021). Synthesis, Molecular Docking and Evaluation of Hetaryl Fragment Tagged 1H-1,2,4-Triazole Derivatives as Nematicidal Agents. *Jordan Journal of Chemistry*, 16(1), 1-11.
- Al-Sa'doni, H. H., Delmani, F. A., Al Balushi, A. M., Alsawakhneh, S. O., and Al-Soud, Y. A. (2020). Synthesis and antibacterial activity of some new 1, 2, 4-triazole derivatives bearing carbohydrazide moiety. *European Journal of Chemistry*, 11(2), 113-119.
- Al-Soud, Y. A., Al-Sa'doni, H. H., Saber, S. O. W., Al-Shaneek, R. H., Al-Masoudi, N.A., and Loddo, R., La Colla, P. (2010). Synthesis, *in vitro* Antiproliferative and Anti-HIV Activity of New Derivatives of 2-Piperazino-1,3-benzo[d]thiazoles. *Zeitschrift für Naturforschung B*, 65b: 1372-1380.
- Al-Soud, Y. A., Al-Sa'doni, H. H., Saeed, B., Jaber, I. H., Beni-Khalid, M. O., Al-Masoudi, N. A., Abdul-Kadir, T., La Colla, P., Busonera, B., Sanna, T., and Loddo, R. (2008). Synthesis and *in vitro* antiproliferative activity of new benzothiazole derivatives. *ARKIVOC.*, V: 225-238.
- Al-Soud, Y. A., Al-Sa'doni, H. H., Amajaour, H. A. S., Salih, K. S. M., Mubarak, M. S., Al-Masoudi, N. A., and Jaber, I. H (2008). Synthesis, Characterization and *anti*-HIV and Antitumor Activities of New Coumarin Derivatives. *Zeitschrift für Naturforschung B*, 63b: 83-89.
- Al-Soud, Y. A., Al-Sa'doni, H. H., Amajaour, H. A. S., and Al-Masoudi, N. A. (2007). Nintroimidazoles Part 3. Synthesis and Anti-HIV Activity of New N-Alkyl 4-Nitroimidazoles Bearing Benzothiazole and Benzoxazole Backbones. *Zeitschrift für Naturforschung B*, 62b:523-528.
- Al-Soud, Y. A., Qalalweh, M. N. A., Al-Sa'doni, H. H., and Al-Masoudi, N. A. (2005). New Benzylpiperazine Derivatives Bearing Mono- and Bis-dialkyl Substituted 1,2,4-Triazoles. *Heteroatom Chemistry*, **16**(1):28-32.
- Al-Sa'doni, H. H., Khan, I. Y., Poston, L., Fisher, I., and Ferro, A. (2001). A novel family of S-nitrosothiols: chemical synthesis and biological actions. *Nitric Oxide: Biology and Chemistry*, **4**(6): 550-560.
- Butler, A. R., Al-Sa'doni, H. H., Megson, I. L., and Flitny, F. W (1998). Synthesis, decomposition, and vasodilator action of some new S-nitrosated dipeptides. *Nitric Oxide: Biology and Chemistry*, **2**(3): 193-202.

- Al-Sa'doni, H. H., Megson, I. L., Bisland, S., Butler, A. R., and Flitney, F. W. (1997). Neocuproine, a selective Cu(I) chelator, and the relaxation of rat vascular smooth muscle by *S*-nitrosothiols. *Br. J. Pharmacol.* **121**:1047-1050.
- Dicks, A. P., Swift, H. R., Williams, D. L. H., Butler, A. R., Al-Sa'doni, H. H., and Cox, B. G. (1996). Identification of Cu<sup>+</sup> as the effective reagent in nitric oxide formation from *S*-nitrosothiols (RSNO). *J. Chem. Soc., Perkin Trans. 2*: 481-487.
- El-Zaru, R. A., Jarrar, A. A., Al-Sa'doni, H. H. (1995). Some aspects of the oxidation of benzyl alcohols by active manganese dioxide. *DIRASAT, Pure and Applied Sciences* **22**(B): 1429-1438.

### Teaching Book:

Al-Sa'doni, H. H., Prof. Jarrar, A. A., "Student Guide in Chemistry for the University and Community College Students"; Dar Alfikir & Dar Ibn Rushd, 1990.

### Conference Proceeding Papers:

- Butler, A. R., Al-Sa'doni, H. H. (1996). Synthesis of a novel series of biologically active *S*-nitrosothiols. *The Biology of Nitric Oxide*, Pharmacology, 191.
- Al-Sa'doni, H. H., Megson, I. L., Bisland, S., Butler, A. R., and Flitney, F. W. (1996). Vasodilator properties of some novel *S*-nitrosated dipeptides: comparative chemical and pharmacological studies. *The Biology of Nitric Oxide*, Pharmacology, 195.

### International Conferences:

Attended and contributed in many international conferences presenting both poster and oral communications:

- Presented two posters from my Ph.D. work at the "Biology of Nitric Oxide" conference, held in Amelia Island (Florida) on 17<sup>th</sup> -21<sup>st</sup> September 1995.
- Presented a poster from my Ph.D. work at the "Biological Challenges for Organic Chemistry" conference, held in St. Andrews on 10<sup>th</sup>-13<sup>th</sup> July 1995 organised by the Royal Society of Chemistry - Perkin Division.
- Presented a poster from my Ph.D. work at the "National Highlights of Chemical Science and Technology by Young Scientists from Academia, Government and Industry" conference, London on Friday, 25<sup>th</sup> November 1994 organised by Chemistry Research for Britain - 1994.
- Presented a poster from my Ph.D. work at the "Organic Reactivity" conference, Huddersfield on Tuesday, 20<sup>th</sup> September 1994 organised by the Royal Society of Chemistry (Organic Reaction Mechanisms Group).



**Referees:**

- Dr. A. R. Butler, School of Chemistry, University of St. Andrews, St. Andrews, Fife KY16 9ST, Scotland, UK.
- Prof. J. C. Walton, School of Chemistry, University of St. Andrews, St. Andrews, Fife KY16 9ST, Scotland, UK.
- Dr. A. Ferro, The Centre for Cardiovascular Biology and Medicine, Department of Clinical Pharmacology, King's College London, St Thomas' Hospital, London, UK SE1 7EH.
- Prof. T. Mallet, 40 Greenwich South St, London SE10 8UN, UK.
- Prof. J. Ritter, The Centre for Cardiovascular Biology and Medicine, Department of Clinical Pharmacology, King's College London, St Thomas' Hospital, London, UK SE1 7EH.
- Prof. A. A. Jarrar, Department of Chemistry, University of Jordan, Amman, Jordan.
- Prof. R. A. El-Zaro, Department of Chemistry, University of Jordan, Amman, Jordan.
- Dr. I. N. Al Bakri, General Manger, Raya International Investment & Education Group, Amman, Jordan.