Curriculum vitae



(1) Personal details:

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(2) Academic Qualifications:

1. B.Sc. "Chemistry" Ain Shams University, Cairo, Egypt 1985
2. M.Sc. "Radioanalytical Chemistry", Ain Shams Univ., Egypt 1989.
3. Ph.D. "Bioinorganic Chemistry", Univ. of Surrey, UK, 1994.

(3) Academic and Administrative appointments:

1. Demonstrator of Chemistry, Department of Chemistry, Faculty of Science, Ain Shams University, Abbassia, Cairo, Egypt, October 1985 - June 1989.
2. Assistant Lecturer in the same department, July 1989 - February 1994.
3. 3. Lecturer of Inorganic Chemistry in the same department, March 1994 – April 1999
4. Ass. Prof. of Inorganic Chemistry, May 1999 – June 2004.
5. Prof. of Inorganic Chemistry, July 2004 –now.
6. The Egyptian Cultural Attaché in the USA from May 2005, June 2009
7. Undersecretary for missions, Sector of Cultural Affairs and Missions, Ministry of Higher Education, August 2009 - November 2012.
8. First-Undersecretary, Chairman of the Sector of Cultural Affairs and Missions, Ministry of Higher Education, November 2012 - July 2014.
9. Councilor for International Collaborations to the President of Ain Shams University, July 2014 - April 2016.
10. Deputy Secretary General for international collaboration, Supreme Council of the Egyptian Universities, September 2015-April 2016.
11. The Egyptian Cultural Councilor and Director of the Egyptian Cultural and Educational Bureau in the USA, May 2016 – May 2021.

12. Acting Director of Egyptian Bureau of Cultural and Educational Affairs in Canada, February 2019 - June 2020.
13. AUC Counsellor, December 2021 - June 2023.
14. First-Undersecretary, Chairman of the Sector of Cultural Affairs and Missions, Ministry of Higher Education, February 2023 – October 2023.
15. Acting Secretary General of the Egyptian National Committee of UNESCO, ALEXO, ISESCO, February 2023 – October 2023.
16. Chief of party partnership for higher education, AUC, 9/10/2023 to 30/4/2025
17. President, Arab Open University, 1/1/2026.

(4) Administrative work

First: At the sector of cultural affairs and missions

1. Participated in changing the missions awarding criteria to be based on competition, to ensure that missions are allocated to the most qualified candidates and to ensure fairness and transparency. Furthermore, awarding became limited to National Priorities of scientific research.
2. Participated in establishing the management information system (MIS) of the sector of cultural affairs and missions, which allows candidates to apply online and allows reviewers and cultural offices to access all documents online.
3. Established the management information system (MIS) of the sector of cultural affairs and missions, which allows international students to apply online and allows Egyptian universities and foreign cultural offices in Cairo to review applicants' files.
4. Working as a Quality Manager at the sector of cultural affairs and missions and obtaining ISO 9000 certification in 2010.
5. Signing an agreement with USAID to implement Cairo Initiative program in 2010 ($22 million), which was the first signed government to government agreement.
6. Implementing Cairo Initiative program till 2014, with a 100% target achievement.
7. Completed the Higher Education Initiative in 2023 ($18 million) with a 100% target achievement.
8. Participated in developing new scholarship programs in partnership with funding agents such as the British Council, the German Academic Exchange

Service (DAAD), the Fulbright Commission and foreign universities such as the Virginia Tech University and Stuttgart University.

9. Modifying the selection criteria of administrative attachés to ensure the selection of the most efficient advanced elements for travel and to ensure fairness and transparency.
10. Preparing a guide for newly appointed diplomates at the cultural offices.
11. Supervising the implementation of all signed agreements between the Egyptian Government and other Governments in the field of higher education.
12. Overseeing all signed scientific agreements between Egyptian Universities and foreign Universities.
13. Supervision of all Egyptian Cultural offices abroad.
14. Supervision of administration of International Students, which is responsible for all foreign students in Egypt. In 2023 a new web-bases application was introduced to facilitate the process and attract more students.
15. Coordination with foreign diplomatic offices in Egypt in higher education and scientific research collaborations including the supervision of foreign students studying in Egypt.
16. Implementing the joint partnership program between JICA and the Egyptian Ministry of Higher Education

Second: At the Egyptian Cultural and Educational Office in Washington, DC

1. Establishing a database for Egyptian Scholars in the United States (2005) and restoring data from the previous database to include all Egyptian scholars in the US between 1992 and 2014. A modified web-based MIS was established in 2017, which is linked to the MIS of the sector of cultural affairs and missions.
2. Participating in organizing a meeting for American Professors of Egyptian origin in Washington in 2006.
3. Overseeing the implementation of the Higher Education Initiative, sponsored by the USAID.
4. Strengthening of educational relationships between the Cultural Bureau in Washington DC and the US universities and research centers, between 2005-2009 and 2016 to 2020. This resulted in signing several agreements such as the agreement with the University of Wisconsin, the University of Connecticut, the College of Textile Engineering at the University of North Carolina, the University of South Carolina and the University of Tennessee, under which

tuition fees are reduced, significantly.

5. Facilitating partnerships between New Egyptian National Universities, and American universities such as:
   A. Louisville University in Kentucky with Alamein International University
   B. Purdue University with Egypt University of Informatics
   C. Arizona State University with Galala University,
   D. University of Tennessee with King Salman International University

   and finally, the Consortium of Texas Universities.
6. Facilitating and overseeing all collaborations between Egyptian and American Universities.
7. Preparing a report on the educational standards of different subjects in US Schools (K-12), in states with large Egyptian communities to waive Egyptian Exams held in the USA, which was achieved in 2019.
8. Organizing and participating in many cultural activities to promote the Egyptian culture among the American community, including the invitation of Egyptian Professors to present in these events such as Prof. Mamdouh Eldamaty (The journey of the Holy Family), Prof. Yasser ElShaieb (New secrets in the great Pyramid), Prof. Sahar Selim (Diagnostic radiology in ancient Egyptian mummies), Prof. Emaad Khalil (Maritime archaeology).
9. Participating in many educational and scientific events.
10. Organizing several virtual meetings with the Egyptian American Scientists to facilitate their collaboration with the new National Egyptian Universities.

Third: At the American University in Cairo

As a liaison between the AUC administration and the Egyptian government:

1. Participating in all AUC activities to strengthen the relation between the AUC and Egyptian Universities and Ministries.
2. Oversees and ensures the accreditation and re-accreditation procedures for degrees from the Supreme Council of Universities.
3. Advocate AUC's interests and explain policy matters of concern to the government of Egypt.

(4) Postdoctoral Experiences and Scholarships:

1. Three months scientific visit to the Department of Chemistry, University of Surrey, UK from Feb, May 1995 to carry out a research on hydrophobiccorrinoids (vitamin B12 derivatives) with Prof. J.M. Pratt.
2. Three months scientific visit to the Institute of Inorganic Chemistry, University of Erlangen, Nurnberg, Germany from July, September 1996 to carry out a research on cyanation of coenzyme vitamin B12 with Prof. R. van Eldik (sponsored by D.F.G.)
3. Six months scientific visit to the Department of Chemistry, University of Ohio, USA from Feb 1997, August 1997 to carry out a research with prof. K.L.Brown on separation, identification and studying the equilibrium constants of diasterioisomerism of organo corrinoids with different nitrogenous bases. (Sponsored by the Fulbright commission).
4. One year scientific visit to the Institute of Inorganic Chemistry, University of Erlangen, Nurnberg, Germany from January – December 1999 to carry out a research on cyanation of coenzyme vitamin B12 with Prof. R. van Eldik.(sponsored by Alexander von Humboldt Foundation).
5. Twenty one months scientific visit to the Institute of Inorganic Chemistry, University of Erlangen, Nurnberg, Germany from February 2001 – October 2002 to carry out a research on cyanation of alkylcobalamins and model complexes of vitamin B12 with Prof. R. van Eldik. (Sponsored by Alexander von Humboldt Foundation and Univ. of Erlangen-Nurnberg).
6. Two months scientific visit to the Institute of Inorganic Chemistry, University of Erlangen, Nurnberg, Germany from July 2003 – September 2003 to carry out a research on ligand substitution reaction of model complexes of vitamin B12 with Prof. R. van Eldik. (Sponsored by the Royal Society of Chemistry, UK).
7. Three months scientific visit to the Institute of Inorganic Chemistry, University of Erlangen, Nurnberg, Germany from July 2004 – September 2004 to carry out a research on ligand substitution reaction of model complexes of vitamin B12 with Prof. R. van Eldik. (Sponsored by the Univ. of Erlangen-Nurnberg).

(6) Prizes and Recognition:

1. National Incentive Prize in Chemistry (1998) from the Egyptian academy of scientific research and Technology
2. National Incentive Prize in Advanced Technological Science (Basic sciences,

2005) from the Egyptian academy of scientific research and Technology.

3. Certificate of Appreciation and the Medal of Ain Shams University on the occasion of the celebration of the Golden Jubilee for the establishment of the Faculty of Science at Ain Shams University, 2000.
4. Handclasp Award by the USAID in recognition of an exceptional team effort and partnership in developing and implementing the Cairo Initiative Program to support institutional capacity building, December, 2011.

(7) Committees memberships

1. Member of the Steering Committee of Cairo Initiative program, sponsored by the USAID, 2010.
2. Representative of the Ministry of Higher Education at the Egyptian French Education Committee, Paris 2010
3. Member of the Advisory Committee for the Stuttgart-Ain Shams Program (2010-2014).
4. Representative of the Ministry of Higher Education at the Committee for the strengthening the Educational, Scientific and Training Relations between Egypt and African Countries, December 2013.
5. Member of the Supreme Council of AlAzhar, 2012-2014.
6. Representative of the Ministry of Higher Education at the Egyptian-British Joint Committee for Higher Education and Scientific Research, London, 2016.
7. Member of the Fulbright board from the Egyptian side, November 2012 - July 2014 and February 2023 – now.
8. Representative of the Sector of Cultural Affairs and Missions, Ministry of Higher Education at Science and Technology Development Fund board, 2014 and 2023.
9. Representative of the Ministry of Higher Education at the Joint Educational Committee between Egypt and Russia, 2023.
10. Member of the Cultural Affairs Committee at the supreme council of Egyptian Universities, which approve and oversee all signed scientific agreements between Egyptian Universities and foreign Universities.

(8) Higher Education Administration and Internationalization Conferences

and Workshops

1. Workshop on Effective Management at the National Institute of Administration, Cairo, April 2010.
2. The representative of the Ministry of Higher Education at the Egypt and Nile Basin Countries workshop, October 2011.
3. The representative of the Ministry of Higher Education in a workshop on the Role of Science and Technology in Sustainable Development, the Embassy of Japan in Cairo, December 2012.
4. The representative of the Ministry of Higher Education at Ticad V Conference, Japan 2013.
5. A representative of the Ministry of Higher Education at the UNESCO Conference, Paris, 2013.
6. The representative of the Ministry of Higher Education at the Conference of Presidents of Arab and Chinese Universities, China, 2013.
7. A representative of the Supreme Council of Egyptian Universities at the workshop on the Internationalization of Higher Education, Cairo 2015.
8. The Fourth Scientific Conference and the First Innovation Exhibition of Ain Shams University (Towards a National Innovation System, April 2015).
9. A representative of the Egyptian Ministry of Higher Education at the Education Conference organized by NAFSA, which was held in Pennsylvania 2017 and in Washington in 2018.
10. The representative of the Ministry of Higher Education at the workshop on the educational activities of the embassies, which was held in Washington in January 2019 and February 2020.
11. The meetings of the 216th consecutive UNESCO Council, Paris, May 14 - 18, 2023.
12. The meetings of the consecutive ALEXO Council, Tunisia, June 2023, with Secretary General of ALEXO from 22 Arab countries.

(9) Scientific activities:

A. Research Projects

1. An expert at the Center for Science Education Development at Ain Shams University. The center is concerned with developing science courses for undergraduate and pre-university students, as well as developing teaching methods such as e-learning. The Center also held training courses for science school teachers via video conference.
2. Quality manager of the reference laboratory, which is an international project between Egypt and Denmark and is concerned with supervision and inspection

of laboratories mandated by the Environmental Affairs Agency and the Ministry of Environment in Egypt.

B. Conferences

1. First International conference, solar energy storage and applied photochemistry organized by Ain Shams University, Cairo, Egypt, 6,11 Jan. 1991.
2. Chemistry and Developing Countries, organized by the Royal Society of Chemistry, Imperial College, UK, 6-8 April 1991.
3. Inorganic Chemistry if good for you, organized by the Royal Society of Chemistry, University of Reading, UK, March 1992.
4. Macrocyclic Ligands for the design of new materials, IUPAC, organized by the European Latin American Research Group, University of Surrey, UK, 14-16 September 1992.
5. Second International conference, solar energy storage and applied photochemistry organized by Ain Shams University, Egypt, 6,11 Jan. 1993.
6. 1993 Autumn meeting organized by the Royal Society of Chemistry, University of Warwick, UK, 21, 23 September 1993.
7. First International Conference on University, Industry Interaction (ICUII 94) organized by Mansoura University, Cairo, Egypt, 22, 24 March 1994.
8. Third International conference, solar energy storage and applied photochemistry organized by Ain Shams University, Cairo, Egypt, 6,11 Jan. 1995.
9. "Fifth Ibn Sina International Conference on pure and Applied Heterocyclic chemistry", organized buy Ain Shams University 9,12 December 1995.
10. "Fourth International Conference on Vitamin B12 and B12 proteins", Innsbruck, Austria.1-6 September 1996,
11. Fourth International conference, solar energy storage and applied photochemistry organized by Ain Shams University, Cairo, Egypt, 1, 6 January1997.
12. 15th International Conference on Chemical Education organized by IUPAC and Ain Shasm University, 9-14 August 1998.
13. "Fifth International Conference on Vitamin B12 and B12 proteins", Marburg, Germany, September 2000.

14. Inorganic reaction mechanism meeting, Dalton Division, organized by the Royal Society of Chemistry, Kloster Banz, Germany, January 2002.
15. Third Arab conference on Systemic approach in teaching and learning, organized by Ain Shams University, Cairo, April 2003.

C. List of Publications:

1. E. A. Saad, A.M. El-Atrash, E.R. Souaya and M. S. A. Hamza "Extraction of Pr(III), Eu(III) and Er(III) from nitrate solution by EHBP" Microchemical Journal, 1990, 42, 294,299.
2. A. M. El-Atrash, E. A. Saad and M. S. A. Hamza "Solvent Extraction Studies using Phosphonic Acid Monoesters" Part III, J. of Radioanalytical and Nuclear Chemistry, 1991, 149, 2, 345.
3. E. A. Saad, A. M. El-Atrash and M. S. A. Hamza "Solvent Extraction Studies using Phosphonic Acid Monoesters" Part IV, J. of Radioanalytical and Nuclear Chemistry, 1991, 149, 2, 351.
4. J. M. Pratt, M. S. A. Hamza and G. J. Buist "Mechanism of Co-methylation of Co corrinoid in the presence of thiols", J. Chem.Soc., Chem. Comm.,1993, 701.
5. M. P. Byfield, M. S. A. Hamza and J. M. Pratt "Hemes and Hemoproteins, Part 8: Coordination of amines and amino acids by Fe(III) porphyrin MP-8",J. Chem. Soc. Dalton Trans. 1993, 1641.
6. M. S. A. Hamza and J. M. Pratt "Hemes and Hemoproteins, Part 9: Coordination of Pyridines and Diazines by Fe(III) porphyrin MP-8", J. Chem. Soc. Dalton Trans. 1993, 1647.
7. M. S. A. Hamza and J. M. Pratt "Hemes and Hemoproteins, Part 10: Coordination of Imidazole and Azoles by Fe(III) porphyrin MP-8", J. Chem. Soc. Dalton Trans. 1994, 1367.
8. M. S. A. Hamza and J. M. Pratt "The Chemistry of Vitamin B_{12}, Part 29: Coordination of Imidazole and 1,2,4-Triazole by Cyanocobinamide", J. Chem. Soc. Dalton Trans. 1994, 1373.
9. M. S. A. Hamza and J. M. Pratt "The Chemistry of Vitamin B_{12}, Part 30: Coordination of Amines, Pyridines and diazines by Cyanocobinamide, Nitrogenous bases as a probes for basicity and other effect on Metal,Ligand bonding", J. Chem. Soc. Dalton Trans. 1994, 1377.
10. J. M. Pratt, P. R. Norris, M. S. A. Hamza and R. Bolton "Methyl transfer

from N to Co: Model for the B12-dependent methyl transfer enzymes", J. Chem. Soc. Chem. Comm., 1994, 1333.

11. M. S. A. Hamza and J. M. Pratt "The Influence of Solvent Polarity from Water to Toluene on the Coordination of Pyridines by the Co(III) corrinoids Sulphitocobester (Sulphito-cobyrinic acid heptamethyl ester", J. Chem. Soc. Dalton Trans. 1996, 3721.
12. R. M. Ramadan, M. S. A. Hamza and A. S. Attia "A Novel Structure Arrangement of Molybdenum Dimethylglyoxime Complexes Compounds with MoON2C2 Six Membered Rings", Polyhedron, 1997, 16, 2, 229.
13. N. Brasch , M. S. A. Hamza and R. van Eldik "Evidence for the unexpected associative displacement of adenosyl by cyanide in coenzyme B12", Inorg. Chem., 1997, 36, 15, 3216.
14. A. F. Maged, M. S. A. Hamza and E. A. Saad "A Cyanocobalamin dosimeter for monitoring gamma radiation doses of 0.01, 2.1 kGy", Radiation Physics and Chemistry, 1997, 50, 179.
15. R. M. Ramadan, M. S. A. Hamza and S. A. Ali "Synthesis and physico-chemical studies of chromium and molybdenum carbonyls with a quadridentate schiff base", J. Coordination Chemistry, 1998, 43, 31.
16. M. S. A. Hamza and K. L. Brown "Equilibrium and Thermodynamic Parameters for the binding of nitrogenous bases by trifluoromethylcobinamide and cyanomethylcobinamide", Inorg. Chim. Acta, 1998, 279, 2, 178.
17. M. S. A. Hamza "Effect of Ester side chains and the solvent polarity on the electronic spectra and coordination chemistry of Aquacyanocobyrinic acid heptamethylester, J. Inorganic Biochemistry, 1998, 69, 269.
18. K. L. Brown and M. S. A. Hamza "Differential steric effects in the axial ligation of pyridine and imidazole to □- and □-alkylcobinamide", J. Inorganic Biochemistry, 1998, 70, 171.
19. R. M. Ramadan, M. S. A. Hamza, A. M. Salem and F. M. El-zawawy, "Coordination chemistry of new ruthenium and osmium dihydroxy-quinoxaline complexes" Transition Metal Chemistry, 1999, 24, 193.
20. M. Wolak, G. Stochel, M. S. A. Hamza and R. van Eldik "Aquacobalamin does not bind NO in aqueous solution. Nitrite impurities account for observed reaction", Inorg. Chem, 2000, 39, 2018.
21. C. Ducker-Benfer, M. S. A. Hamza, C. Eckhardt and R. van Eldik "Substitution behavior of an alkylcobalamin complex. Evidence for a limiting

Dissociative mechanism", Eur. J. Inorg. Chem., 2000, 1563.

22. M. S. A. Hamza, C. Ducker-Benfer and R. van Eldik "Ligand substitution behavior of a simple model for coenzyme B12", Inorg. Chem. 2000, 39, 3777
23. Zhong Lin Lu, Mohamed S. A. Hamza and Rudi van Eldik "Thermodynamic and kinetic studies on complex-formation reactions of a cobalt (II) tripodal tetraamine complex", Eur. J. Inorg. Chem., 2001, 503
24. Mohamed S. A. Hamza, X. Zou, K.L. Brown and R. van Eldik "Equilibrium and kinetic studies on the reactions of alkylcobalamins with cyanide", Inorg. Chem 2001, 40, 21, 5440.
25. Mohamed S. A. Hamza, R. van Eldik, J. M. Pratt, Pascal L. S. Harper and E.A. Betterton "Five-coordination and Adduct Formation in Co(III) Corrinoids: Dissecting Ligand Substitution into its Component Parts ", Eur. J. Inorg. Chem., 2002, 580.
26. Basam Alzoubi, Mohamed S. A. Hamza, Carlos Dücker-Benfer and Rudi van Eldik "Equilibrium, kinetic and leaving group effect studies on ligand substitution reactions of a simple modele for conzyme B12", Eur. J. Inorg. Chem. 2002, 968.
27. Debabrata Chatterjee, Anannya Mitra, Mohamed S. A. Hamza and Rudi van Eldik "The substitution mechanism of [RuIII(edta)(H2O)]- with DNA bases, nucleoside and nucleotides in aqueous solution revisited", J. Chem. Soc., Dalton Trans, 2002, 6, 962.
28. Mohamed S. A. Hamza, "Kinetic and equilibrium studies on the reaction of aquacobalamin and azoles", J. Chem. Soc. Dalton Trans, 2002, 2381.
29. Ivana Ivanovic-Burmacovic, Mohamed S. A. Hamza and Rudi van Eldik "A detailed mechanistic study on the substitution behavior of an unusual seven-coordinate iron(III) complex in aqueous solution", Inorg. Chem., 2002, 41, 5150.
30. Mohamed S. A. Hamza, X. Zou, K.L. Brown and R. van Eldik "Detailed kinetic and thermodynamic studies on the cyanation of alkylcobalamins. A generalized mechanistic description ", J. Chem. Soc., Dalton Trans 2002, 3832.
31. Ivana Ivanovic-Burmacovic, Mohamed S. A. Hamza and Rudi van Eldik "Substitution behaviour of an unusual seven-coordinate iron (III) complex in different solvent", Inorg. Chem. Comm, 2002, 5, 937.
32. A. F. M. Fahmy, Mohamed S. A. Hamza, H. A. A. Medien, W.G. Hanna and M. Abdel-Sabour "From systemic approach in teaching and learning

chemistry to benign analysis", J. Chinesse Chemical Education, 2002, 12, 26.

33. Mohamed S. A. Hamza, X. Zou, K.L. Brown and R. van Eldik "Thermodynamic and kinetic data for the base-on/base-off equilibration of alkylcobalamins", Eur. J. Inorg. Chem. 2003, 268.
34. Debabrata Chatterjee, Mohamed S. A. Hamza, Mohamed M. Shoukry, Anannya Mitra and Rudi van Eldik "Interaction of $[Ru^{III}(edta)(H2O)]^-$ with amino acids in aqueous solution. Equilibrium, kinetic and Protease inhibition studies", J. Chem. Soc. Dalton Trans, 2003, 203.
35. Mohamed S. A. Hamza, Andrew G. Cregan, Nicola E. Brasch, Rudi van Eldik "Mechanistic Insight from Activation Parameters for the Reaction between Coenzyme B12 and Cyanide: Further Evidence that Co-C Bond Cleavage is Solvent-Assisted", J. Chem. Soc. Dalton Trans, 2003, 596.
36. Mohamed S. A. Hamza "Equilibrium and kinetic studies on the ligand substitution reaction of trans $Co^{(III)}(en)_2(Me)H_2O$. Model for coenzyme B12", J. Coord. Chem. 2003, 56, 553.
37. Basam Alzoubi, Mohamed S. A. Hamza, Carlos Dücker-Benfer and Rudi van Eldik "Mechanisitic insight gained into the ligand substitution reactionsof (triphenylphosphine)bis(o-benzosemiquinonediiminato) cobalt (III). Kinetic, solvent and volume profile studies", Eur. J. Inorg. Chem. 2003, 2972.
38. M. S. A. Hamza, X. Zou, K.L. Brown and R. van Eldik "Kinetic and thermodynamic studies on the cyanation reactions and base-on/base-off equilibria of alkyl-13-epicobalamins", J. Chem. Soc., Dalton Trans 2003, 2986.
39. Achim Zahl, Peter Igel, Dimitri Koshtariya, Mohamed S. A. Hamza, and Rudi van Eldik "A compact high pressure unit for UV-VIS-NIR spectroscopic measurements at pressures up to 400 MPA", Rev. Sci. Instrum. 2003, 74, 3758.
40. Basam M. Alzoubi, Mohamed S. A. Hamza, A. Felluga, Lucio Randaccio, Giovanni Tauzher and Rudi van Eldik "Coenzyme B12 model studies. Kinetics of axial ligation of alkyl cobalt complexes containing a tridentate amino-oximate ligand", Eur. J. Inorg. Chem. 2003, 3738.
41. Reinhard Kissner, Chris Thomas, Mohamed S. A. Hamza, Rudi van Eldik and Willem H. Koppenol "Evaluation of Activation Volumes for the conversion of peroxynitrous to nitric acid", J. Phys. Chem. A. 2003, 107,11261.
42. Mohamed S. A. Hamza and R. van Eldik "The profound of a single metal-

carbon bond on the reactivity of bio-relevant cobalt (III) complexes", Dalton Trans. 2004, 1.

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43. Mohamed S. A. Hamza, Alessandro Felluga, Lucio Randaccio, Giovanni Tauzher and Rudi van Eldik "Electronically-tuned trans labilization controls the substitution behaviour of cobaloximes", Dalton Trans., 2004, 287.

44. Basam M. Alzoubi, Mohamed S. A. Hamza, Alessandro Felluga, Lucio Randaccio, Giovanni Tauzher and Rudi van Eldik "Kinetics and Mechanism of Axial ligation substitution of Alkyl Cobaloximes by substituted pyridines in different solvents", Eur. J. Inorg. Chem. 2004, 653.

    This manuscripts is featured on the cover of the March 2004 issue of Eur. J. Inorg. Chem.

45. Mohamed S. A. Hamza, Alessandro Felluga, Lucio Randaccio, Giovanni Tauzher and Rudi van Eldik "Kinetics of the ligand substitution reaction of cobaloximes by azoles", Dalton Trans., 2004, 3835.

46. Mohamed S. A. Hamza, X. Zou, R. Banka, K.L. Brown and R. van Eldik "Kinetic and thermodynamic studies on ligand substitution reactions and base-on/base-off equilibria of cyanoimidazolylcobamide, a vitamin B12 analog with an axial imidazole nucleotide", Dalton Trans, 2005, 4, 782.

47. A. M. Bogopane, J. J. Pienaar, G. Lachmann, Mohamed S .A. Hamza and R. van Eldik "The kinetics of the silver(I)-induced oxidation of chromium(III) by peroxodisulphate" , S. Afr. J. Chem., 2005, 58, 30.

48. M. M. Shoukry, M. R. Shehata, Mohamed S. A. Hamza and R. van Eldik Equilibrium, kinetic and solvent effect studies on the reactions of $[Ru^{III}(Hedta)H_2O]$ with thiols , Dalton Trans., 2005, 3921.

49. R. M. Ramdan, Mohamed S. A. Hamza, H. A. Mohamed, S. M. El-Medani, Spectroscopic and electrochemical studies of some molybdenium and ruthenium complexes of N-[(2-pyridyl)methyl]-2,2'-dipyridylamin, Trans. Met. Chem., 2006, 31, 107.

50. Ivana Ivanovic-Burmacovic, Mohamed S. A. Hamza and Rudi van Eldik " Solvent-tuning of the substitution behavior of a seven-coordinate Iron (III) complex", Inorg. Chem., 2006, 45, 1575.

51. Saad S. M. Hassan, Mohamed S. A. Hamza, Ayman H. K. Mohamed, A novel flow injection spectrophotometric method for the determination of

sulfite in beverages, Anal. Chim. Acta, 2006, 570, 232.

52. Zivadin D Bugarcic, ,S T Nandibewoor, Mohamed S. A. Hamza, Rudi van Eldik,The kinetics and mechanism of the reaction of Pd(II) complexes with azoles and diazins, crystal structure of $[Pd(bpma)(H_2O)](ClO_4)^{2-}2H_2O$ Dalton Trans, 2006, 24, 2984.
53. Saad S. M. Hassan, Mohamed S. A. Hamza, Ali E. Kelany, determination of cyanide in electroplating wastewater using aquacyanocobyrinic acid heptamethylester as a chromogen, Talanta, 2007, 71:3, 1088.
54. Mohamed S. A. Hamza, Mohamed A. Elawady, Helder M. Marques, The Ligand Substitution Reactions of Hydrophobic Vitamin B_{12} Derivatives. Reaction of Cobyric Acid Heptapropylester with Heterocyclic N-donor Ligands, S. Afr. J. Chem. 2008, 61, 68.
55. Hanaa A. Hassanien, Luciana Hannibal, Donald Jacobsen, Mohamed F. Elshahat, Mohamed S. A. Hamza, Nicola E. Brasch, Mechanistic studies on the reaction between R2NNONOates and aquacobalamin: evidence for direct transfer of a nitrosyl group from R2NNONoates to Co(III) centers, Angewandte Chemie (International ed. in English) 2009, 48 (47), 8909.
56. Hanaa A. Hassanien, Mohamed F. Elshahat, Mohamed S. A. Hamza, The Ligand Substitution Reactions of Hydrophobic Vitamin B_{12} Derivatives. Reaction of Cobyric Acid Heptamethyl Ester with Azols, J. Coord. Chem. , 2010, submitted for publication.