#### ISABEL CORREIA

icorreia@tecnico.ulisboa.pt

[http://isabelcorreia.weebly.com](http://cqe.ist.utl.pt/personal_pages/pages/isabel_correia.php) <http://orcid.org/0000-0001-7096-4284>

[ResearcherID: H-7772-2012](http://www.researcherid.com/rid/H-7772-2012) [Scopus Author ID: 7003557498](http://www.scopus.com/inward/authorDetails.url?authorID=7003557498&partnerID=MN8TOARS)

##### EDUCATION

Instituto Superior Técnico, Lisbon

Ph.D. in Chemistry, 2003

Specialization: Inorganic Chemistry/Medicinal Chemistry

Thesis: Study of transition metal complexes with potential for therapeutical applications

Advisors: Prof. João Costa Pessoa

Instituto Superior Técnico, Lisbon

M.Sc. in Chemical Engineering, 1997

GPA: 14/20

##### PROFESSIONAL EXPERIENCE

**Instituto Superior Técnico**, Lisbon 2013-2018

FCT principal researcher, Centro de Química Estrutural

**Instituto Superior Técnico**, Lisbon 2008-2013

CIÊNCIA 2007 Research assistant, Centro de Química Estrutural

**Imperial College**, London, UK 2007-2008

Postdoctoral Fellow at the Department of chemistry with Prof. Tom Welton

**Instituto Superior Técnico**, Lisbon 2004-2007

Postdoctoral Fellow at Centro de Química Estrutural with Prof. João Costa Pessoa

**TUDELFT**, Delft, The Netherlands 2004

Postdoctoral Fellow at Biocatalysis and Organic Chemistry group with Prof. Roger Sheldon

**Instituto Superior Técnico**, Lisbon 1997-1999

Research Grant Holder at Centro de Química Estrutural with Prof. João Costa Pessoa

##### SUPERVISION EXPERIENCE

**Supervision of research grant holders (graduated)**

Cristina Matos, Pedro Adão (POCI/QUI/55985/2004), Andreia Mota (PTDC/Qui-Qui/098516/2008), Patrique Nunes (PTDC/Qui-Qui/098516/2008) and Márcia Manaia (PTDC/Qui-Qui/098516/2008), as part of the research projects in which I was PI.

**Supervision of M.Sc. students**

Nádia Ribeiro – November 2016

Yemataw Alemu – September 2017 (Erasmus Mundus)

**Supervision of Ph.D. students**

Patrique Nunes (SFRH/BD/108743/2015) – ongoing

Cristina Matos (SFRH/BD/101214/2014) – ongoing

Nádia Ribeiro (SFRH/BD/135797/2018) – Starting October 2018

##### RESEACH PROJECTS

* Principal investigator of FCT research project PTDC/Qui-Qui/098516/2008 - Reactivity of transition metal complexes in ionic liquids. The project involves collaborations with Prof. Rosinda Ismael from the Chemical Engineering Department (IST) and Prof. Tom Welton from Imperial College, UK. 60k €. Concluded.
* Principal investigator of FCT research project POCI/QUI/55985/2004 - Synthesis, Structure and Reactivity of Transition Metal Complexes with Potential Application in Oxidative Catalysis. The project involved collaborations with TuDelft (Prof. Isabel Arends), ITQB (Prof. Carlos Romão) and Universidade de La Coruña (Prof. Fernando Avecilla). 109k €. Concluded.
* Participated as a research fellow in several FCT projects.
* Participated in the following European COST actions: D21 (‘‘Vanadium Compounds as Insulin Mimetic Agents’’) and D29 (“Novel sustainable metal-catalyzed oxidations with H2O2 and O2”)
* Participated as a team member in the following international bilateral actions: Acção Integrada Luso-Espanhola (2005-2006): "Vanadium Complexes with Ligands derived from Pyrimidinones with Potential Insulin Mimetic Properties"; Acção Bilateral OMFB-Grices (2004-2005): "Insulin-mimetic compounds and structural and functional models of their mechanism of action" and Acção Bilateral OMFB-ICCTI (2000-2001): "VO(IV) complexes of biomolecules in solution".

**SCIENTIFIC OUTPUT INDICATORS**

Publications: 78 / Book chapters: 3 / Proceedings with scientific refereeing: 2

H-index: 25 / Sum of times cited: 1648 / Average citations per article: 21

**TEACHING**

Chemistry II at IST in 2010/2011, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017 and 2017/2018

Inorganic Chemistry Tutor at Imperial College in 2007/2008

**MANAGEMENT**

* Organizing committee of Chemforum seminars
* Security committee of Centro de Química Estrutural (CQE)
* Responsible for the communication of CQE and for CQE website (until 2018)
* Co-organizer of the 5th and organizer of the 6th International Vanadium Symposia.
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**AWARDS**

* Best poster in the 8th Summer School on Green Chemistry, Venice, Italy, September, 2005: “Vanadium substituted phytase - CLEA: oxidative catalysis and structural characterization”, Isabel Correia, Isabel W.C.E. Arends, Roger A. Sheldon and João Costa Pessoa.
* Honorable mention in the 5th Vanadium Symposium San Francisco, California, USA, September 2006: “Chiral oxovanadium(IV)-salen and salan complexes: A spectroscopic study”, Isabel Correia, Pedro Adão and João Costa Pessoa.
* Best poster in the 12th International Symposium on Metal Ions in Biology and Medicine in Punta del Este, Uruguai, March 2014: “Structure activity relationships of new prospective antiparasitic compounds based on oxidovanadium(IV) compounds”.
* Best poster in ISMEC2018 - International Symposia on Metal Complexes, Florence, Italy, 3-7 June, 2018: “Photophysical and biological evaluation of a Zn-pyrazolyl Schiff base complex”
* **OTHER**
* **Referee of**: Inorganic Chemistry, Polyhedron, Journal of Inorganic Biochemistry, Journal of Molecular Structure, Process Biochemistry, Applied Catalysis, Fuel Processing Technology, Arabian Journal of Chemistry, Chemical Communications, Journal of Luminescence, RSC Advances, Zeitschrift für Anorganische und Allgemeine Chemie, BBA General Subjects, International Journal of Biological Macromolecules and Royal Society Open Science.
* **Jury of the following PhD thesis:** Pedro Adão (December 2011), Natalyia Butenko (June 2014) and Nuno Silva (February 2017)
* **Reviewer of**: the Chemistry panel of the FCT 2014 Call for PhD Studentships and Post-Doctoral fellowships;
	1. the 2014 call for research projects of Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT) de Argentina;
	2. the 2015 call for research projects of the National Science Center (Narodowe Centrum Nauki) of Poland.

**PUBLICATIONS**

80 – Mannar R. Maurya, Nancy Jangra, Fernando Avecilla, Isabel Correia “4,6-Diacetyl Resorcinol Based Vanadium(V) Complexes: Reactivity and Catalytic Applications”, Eur. J. Inorg Chem., 2019, 2, 314-329.

79 - Nuno H. C.S. Silva, Ricardo Pinto, Manuel A. Martins,Rita Ferreira, Isabel Correia, Carmen S.R. Freire, Isabel M. Marrucho, “Ionic liquids as promoters of fast lysozyme fibrillation” *J. Mol. Liq.*, 2018, 272, 456—467.

78- Nádia Ribeiro, Roberto E. Di Paolo, Adelino M. Galvão, Fernanda Marques, João Costa Pessoa, Isabel Correia “Photophysical properties and biological evaluation of a Zinc(II)-5-methyl-1H-pyrazole Schiff base complex” *Spectrochim. Acta A,* 2018, 204, 317-327

77 - Elisa Palma, Hugo M. Botelho, Goreti R. Morais, Inês Rodrigues, Isabel C.Santos, Paula  Campello, Paula Raposinho, Ana Belchior, Susana S. Gomes, Maria F. Araújo, Isabel Correia, Nadia Ribeiro, Sofia Gama, Filipa Mendes, António Paulo, “Unravelling the antitumoral potential of novel bis(thiosemicarbazonato) Zn(II) complexes: structural and cellular studies”, *J. Biol. Inorg. Chem*., 2018, 1-19.

76 – C.E.S. Bernardes, C. Garcia, F. Pereira, J. Mota, P. Pereira, M.J. Cebola, C.P. Reis, I. Correia*,* M.E. Minas da Piedade, P. Rijo, “Extraction Optimization and Structural and Thermal Characterization of the Antimicrobial Abietane 7α-Acetoxy-6β-hydroxyroyleanone”, Mol. Pharm., 2018, 15 (4), 1412–1419.

75 - Cristina G. Azevedo, Isabel Correia, Margarida M. C. dos Santos, Marino F. A. Santos, Teresa Santos-Silva, James Doutch, Luz Fernandes, Hugo M. Santos, José L. Capelo, João Costa Pessoa, “Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies”, J. Inorg. Biochem., 2018, 180, 211-221.

74 - Edjane R. dos Santos,\* Angelica E. Graminha,Mario S. Schultz, Isabel Correia,\* Heloisa S. Selistre-de-Araújo, Rodrigo S. Corrêa, Javier Ellena, Elisângela de Paula S. Lacerda, João Costa Pessoa, Alzir A. Batista, “Cytotoxic activity and structural features of Ru(II)/phosphine/amino acid complexes”, J. Inorg. Biochem., 2018, 182, 48-60.

73 - Gonzalo Scalese, M. Florencia Mosquillo, Santiago Rostán, Jorge Castiglioni, Irina Alho, Leticia Pérez, Isabel Correia, Fernanda Marques, João Costa Pessoa, Dinorah Gambino, "Heteroleptic oxidovanadium(IV) complexes of 2-hydroxynaphtylaldimine and polypyridyl ligands against Trypanosoma cruzi and prostate cancer cells", J. Inorg. Biochem. 2017, 175, 154-166.

72 - Isabel Correia,\* Sladjana Borovic, Isabel Cavaco, Cristina Matos, Somnath Roy, Hugo Santos, Luz Fernandes, José Capelo, Lena Ruiz-Azuara, Joao Costa Pessoa,\* "Evaluation of the binding of four anti-tumor Casiopeínas to human serum albumin", J. Inorg. Biochem. 2017, 175, 284-297.

71 - Isabel Correia,\* Ielyzaveta Chorna, Isabel Cavaco, Somnath Roy, Maxim L. Kuznetsov, Nádia Ribeiro, Gonçalo Justino, Fernanda Marques, Teresa Santos Silva, Marino Santos, Hugo M. Santos, José L. Capelo, James Doutch, João Costa Pessoa,\* "Interaction of VIVO(acac)2 with human serum transferrin and albumin", Chem. Asian J., 2017, 12(16), 2062-2084.

70 - Nadia Ribeiro, Somnath Roy, Nataliya Butenko, Isabel Cavaco, Teresa Pinheiro, Irina Alho, Fernanda Marques, Fernando Avecilla, Joao Costa Pessoa, Isabel Correia,\* " New Cu(II) complexes with pyrazolyl derived Schiff base ligands: synthesis and biological evaluation", J. Inorg. Biochem., 2017, 174, 63–75.

69 - Edgar Pereira, Letícia do Quental, Elisa Palma, Maria Cristina Oliveira, Filipa Mendes, Paula Raposinho, Isabel Correia, João Lavrado, Salvatore Di Maria, Ana Belchior, Pedro Vaz, Isabel Santos and António Paulo, “Evaluation of Acridine Orange Derivatives as DNA-Targeted Radiopharmaceuticals for Auger Therapy: Influence of the Radionuclide and Distance to DNA”, Sci. Reports (2017) 7, 42544.

68 - João M.S. Cardoso, Isabel Correia, Adelino M. Galvão, Fernanda Marques, M. Fernanda N.N. Carvalho, “Synthesis of Ag(I) camphor sulphonylimine complexes and assessment of their cytotoxic properties against cisplatin-resistant A2780cisR and A2780 cell lines”, J. Inorg. Biochem. 166 (2017) 55–63.

67 - Elisa Palma, Filipa Mendes, Goreti Ribeiro Morais, Ines Rodrigues, Isabel Cordeiro Santos, Maria Paula C. Campello, Paula Raposinho, Isabel Correia, Sofia Gama, Dulce Belo, Vítor Alves, Antero J. Abrunhosa, Isabel Santos, António Paulo, “Biophysical Characterization and Antineoplastic Activity of New Bis(thiosemicarbazonato) Cu(II) Complexes”, J. Inorg. Biochem. (2017) 167, 68-79.

66 - Ceyda Acilan,\* Buse Cevatemre, Zelal Adiguzel, Didem Karakas, Engin Ulukaya, Nadia Ribeiro, Isabel Correia,\* João C Pessoa, "Synthesis, biological characterization and evaluation of molecular mechanisms of novel copper complexes as anticancer agents", BBA-General (2017) 1861 (2) 218-234.

65 – Gonzalo Scalese, Isabel Correia, Julio Benítez, Santiago Rostán, Fernanda Marques, Filipa Mendes, António Pedro Matos, João Costa Pessoa, Dinorah Gambino, “Evaluation of cellular uptake, cytotoxicity and cellular ultrastructural effects of heteroleptic oxidovanadium(IV) complexes of salicylaldimines and polypyridyl ligands”, J. Inorg. Biochem. (2017) 166, 162-172.

64 -Fernanda Marques, António Pedro Matos, Cristina P. Matos, Isabel Correia, João Costa Pessoa and Maria Paula Campello, “Ultrastructural features of cells following incubation with metal complexes using phenanthroline-based ligands: The influence of the metal center”, Ultrastruct. Pathol., 2017, 41(1) 128-129.

63 – Elisabete Ribeiro, Fernanda Marques, Lurdes Gano, João D. G. Correia, Irina Alho, Isabel Correia, Sandra Casimiro, Luís Costa, Célia Fernandes, Isabel Santos “Radiolabeled block copolymer micelles for image-guided drug delivery”, Int. J. Pharm. (2016) 515 (1-2) 692-701.

62– Mannar R. Maurya,\* Bithika Sarkar, Fernando Avecilla and Isabel Correia,\* “Vanadium(IV and V) complexes of pyrazolone based ligands: structural characterization and catalytic applications for the three-component dynamic covalent assembly via Hantzsch reaction and for the selective oxidation of tetralin”, Dalton Trans. (2016) 45 (43) 17343-17364.

61- Ceyda Acilan,\* Buse Cevatemre, Zelal Adiguzel, Didem Karakas, Engin Ulukaya, Nádia Ribeiro, Isabel Correia,\* João Costa Pessoa, “Validation data supporting the characterization of novel copper complexes as anticancer agents” Data in Brief, (2016) 9, 1160-1174.

60 – Catarina Oliveira Silva, Jesús Molpeceres, Belén Batanero Hernán, Ana Sofia Fernandes, Nuno Saraiva, João Guilherme Costa, Isabel Correia, Patrícia Rijo, Isabel Vitória Figueiredo, Pedro Faísca and Catarina Pinto Reis, “EGF functionalized polymer-coated gold nanoparticles promote EGF photostability and EGFR internalization for photothermal therapy” PLOS ONE (2016) 11 (10).

59 - Katarzyna Brodowska, Isabel Correia, Eugenio Garribba, Fernanda Marques, Elzbieta Klewicka, Elzbieta Lodyga-Chruscinska, João Costa Pessoa, Aliaksandr Dzeikala, Longin Chruscinski, “Coordination ability and biological activity of a naringenin thiosemicarbazone”, J. Inorg. Biochem. 165 (2016) 36-48.

58 – Mannar R. Maurya,\* Bithika Sarkar, Fernando Avecilla, Isabel Correia,\* “Vanadium Complexes Derived from Acetyl Pyrazolone and Hydrazides: Structure, Reactivity, Peroxidase Mimicry and Efficient Catalytic Activity for the Oxidation of 1-Phenylethanol”, Eur. J. Inorg. Chem. (2016) 4028–4044.

57– Margarida Martins, Flávia A. Vieira, Isabel Correia, Rute A. S. Ferreira, Helena Abreu, João A. P. Coutinho and Sónia P. M. Ventura, “Recovery of phycobiliproteins from the red macroalga Gracilaria sp. using ionic liquid aqueous solutions”, Green Chem., (2016) 18, 4287-4296.

56 – Mannar R. Maurya,\* Bithika Sarkar, Fernando Avecilla, Saba Tariq, Amir Azam, Isabel Correia,\* “Synthesis, Characterization, Reactivity, Catalytic Activity, and Antiamoebic Activity of Vanadium(V) Complexes of ICL670 (Deferasirox) and a Related Ligand”, Eur. J. Inorg. Chem., (2016) 1430–1441

55 - Nataliya Butenko, José Paulo Pinheiro, José Paulo Da Silva, Ana Isabel Tomaz, Isabel Correia, Vera Ribeiro, João Costa Pessoa, Isabel Cavaco, "The effect of phosphate on the nuclease activity of vanadium compounds", J. Inorg. Biochem. (2015) 147, 165-176.

54 – Mohamed Taha, Maria V. Quental, Isabel Correia, Mara G. Freire, João A. P. Coutinho, "Extraction and stability of bovine serum albumin (BSA) using cholinium-based Good's buffers ionic liquids" Process Biochem. (2015) 50(7) 1158-1166.

53 – João Lavrado, Pedro M. Borralho, Hugo Vicente, Isabel Correia, Stephan A. Ohnmacht, Clara Leitão, Silvia Pisco, Mekala Gunaratnam, Cecília M. P. Rodrigues, Rui Moreira, Stephen Neidle, Daniel J.V.A. dos Santos, Alexandra Paulo, “Indolo[3,2-c]quinolines G-quadruplex stabilisers: a structural analysis of binding to the human telomeric G-quadruplex”, Chem. Med. Chem. (2015) 10, 836 – 849.

52 - Isabel Correia,\* Somnath Roy, Cristina P. Matos, Sladjana Borovic, Nataliya Butenko, Isabel Cavaco, Fernanda Marques, Julia Lorenzo, Alejandra Rodríguez, Virtudes Moreno and João Costa Pessoa,\* “Vanadium(IV) and copper(II) complexes of salicylaldimines and aromatic heterocycles: cytotoxicity, DNA binding and DNA cleavage properties”, J. Inorg. Biochem. (2015) 147, 134-146.

51 - Gonzalo Scalese, Julio Benítez, Santiago Rostán, Isabel Correia, Lara Bradford, Marisol Vieites, Lucía Minini, Alicia Merlino, E. Laura Coitiño, Estefania Birriel, Javier Varela, Hugo Cerecetto, Mercedes González, Joao Costa Pessoa, Dinorah Gambino, “Expanding the family of heteroleptic oxidovanadium(IV) compounds with salicylaldehyde semicarbazones and polypyridyl ligands showing anti-Trypanosoma cruzi activity”, J. Inorg. Biochem. (2015) 147, 116-125.

50 – M.R. Maurya,\* N. Chaudhary, F. Avecilla, I. Correia,\* “Mimicking peroxidase activity by a polymer-supported oxidovanadium(IV) Schiff base complex derived from salicylaldehyde and 1,3--diamino-2-hydroxypropane", J. Inorg. Biochem. (2015), 147, 181-192.

49 - S. Gama, I. Rodrigues, F. Marques, E. Palma, I. Correia, M. F.N. N. Carvalho, J. Costa Pessoa, A.Cruz, S. Mendo, I.C. Santos, F. Mendes, I.l Santos, A. Paulo, New ternary Bipyridine-Terpyridine Copper(II) complexes as self-activating chemical nucleases, RCS Advances (2014) 4, 61363-6137.

48 - Isabel Correia,\* Pedro Adão, Somnath Roy, Mohamed Wahba, Cristina Matos, Mannar R. Maurya, Fernanda Marques, Fernando R. Pavan, Clarice Q.F. Leite, Fernando Avecilla, João Costa Pessoa\* "Hydroxyquinoline derived vanadium(IV and V) and copper(II) complexes as potential anti-tuberculosis and anti-tumor agents" J. Inorg. Biochem. (2014) 141, 83-93.

47 – Marino F. A. Santos, Isabel Correia, Ana R. Oliveira, Eugenio Garribba, João Costa Pessoa, and Teresa Santos-Silva, "Vanadium Complexes as Prospective Therapeutics: Structural Characterization of a V(IV) Lysozyme Adduct” Eur. J. Inorg. Chem. (2014) 21, 3293–3297. Cover profile at page 3280.

46 - P. Nunes, N. V. Nagy, E. C. Alegria, A. J. Pombeiro, I. Correia,\* "The solvation and electrochemical behaviour of copper acetylacetonate complexes in ionic liquids", J. Mol. Struct. (2014) 1060, 142-149.

45 - J. C. Pessoa, G. Gonçalves, S. Roy, I. Correia, S. Mehtab, M. F. A. Santos, T. Santos-Silva, "New insights on vanadium binding to human serum transferrin", Inorg. Chim. Acta (2014) 420, 60-68.

44 - I. Machado, M. Fernández, L. Becco, B. Garat, R. F. Brissos, N. Zabarska, P. Gamez, F. Marques, I. Correia, J. Costa Pessoa, D. Gambino, "New metal complexes of NNO tridentate ligands: effect of metal center and co-ligand on biological activity" - Inorg. Chim. Acta (2014) 420, 39-46.

43 - Patrique Nunes, Nóra V. Nagy, Elisabete C.B.A. Alegria, Armando J.L. Pombeiro, Isabel Correia,\* “The solvation and redox behaviour of mixed ligand copper(II) complexes of acetylacetonate and aromatic diimines in ionic liquids” – Inorg. Chim. Acta (2013) 409 (B) 465-471.

42 - Enoch Cobbina, Sameena Mehtab, Isabel Correia, Gisela Gonçalves, Isabel Tomaz, Isabel Cavaco, Tamás Jakusch, Eva Enyedi, Tamás Kiss, and João Costa Pessoa, "Binding of Oxovanadium(IV) Complexes with Blood Serum Albumins", J. Mex. Chem. Soc. (2013) 57(3), 194-205.

41 - Mariana Fernández, Javier Varela, Isabel Correia, Estefanía Birriel, Jorge Castiglioni, Virtudes Moreno, Joao Costa Pessoa, Hugo Cerecetto, Mercedes González, Dinorah Gambino, "A new series of heteroleptic oxidovanadium(IV) compounds with phenanthroline-derived co-ligands: selective Trypanosoma cruzi growth inhibitors", Dalton Trans. (2013) 42(33) 11900-11911.

40 - Gisela Gonçalves, Isabel Tomaz, Isabel Correia, Luís F. Veiros, M. Margarida C. A. Castro, Fernando Avecilla, Lorena Palacio, Miguel Maestro, Tamás Kiss, Tamás Jakusch, M. Helena V. Garcia and João Costa Pessoa, "A novel VIVO–pyrimidinone complex: synthesis,solution speciation and human serum protein binding", Dalton Trans. (2013) 42, 11841-11861.

39 - Julio Benítez, Isabel Correia, Lorena Becco, Mariana Fernández, Beatriz Garat, Hugo Gallardo, Gilmar Conte, Maxim L. Kuznetsov, Ademir Neves, Virtudes Moreno, João Costa Pessoa and Dinorah Gambino, "Searching for Vanadium-Based Prospective Agents against Trypanosoma Cruzi: Oxidovanadium(IV) Compounds with Phenanthroline Derivatives as Ligands", ZAAC (2013) 639 (8-9) 1414-1425.

38 - M. Fernández, L. Becco, I. Correia, J. Benítez, O. E. Piro, G.A. Echeverria, A. Medeiros, M. Comini, M.L. Lavaggi, M. González, H. Cerecetto, V. Moreno, J. Costa Pessoa, B. Garat, D. Gambino, “Oxidovanadium(IV) and dioxidovanadium(V) complexes of tridentate salicylaldehyde semicarbazones: searching for prospective antitrypanosomal agents”, J. Inorg. Biochem. (2013) 127, 150–160.

37 - J. Benítez, A. C. Queiroz, I. Correia, M. A. Alves, M. S. Alexandre-Moreira, E. J. Barreiro, L.M. Lima, J. Varela, M. González, H. Cerecetto, V. Moreno, J. Costa Pessoa, D. Gambino, “New oxidovanadium(IV) N-acylhydrazone complexes: promising antileishmanial and antitrypanosomal agents”, Eur. J. Med. Chem. (2013) 62, 20.

36 - J. García, J. C. González, M. I. Frascaroli, S. García, P. Blanes, I. Correia,\* J. Costa Pessoa and L. F. Sala,\* "Spectroscopic studies of vanadium biosorption on different types of carbohydrate biomass", Can. J. Chem. (2013) 91, 186-195.

35 – I. Correia,\* T. Jakusch, E. Cobbinna, S. Mehtab, I. Tomaz, N. Nagy, A. Rockenbauer, J. Costa Pessoa and T. Kiss, “Evaluation of the binding of oxovanadium(IV) to Human Serum Albumin”, Dalton Trans. (2012) 41, 6477.

34 – A. Mota, N. Butenko, Jason P. Hallett and I. Correia,\* “Application of VIVO(acac)2 type complexes in the desulfurization of fuels with ionic liquids”, Catal. Today (2012) 196 (1), 119-125.

33 – A. Mota, J. P. Hallett, M. L. Kuznetsov and I. Correia,\* “Structural characterization and DFT study of VIVO(acac)2 in imidazolium ionic liquids” Phys. Chem. Chem. Phys. (2011) 13 (33) 15094–15102.

32 – S. Gama, F. Mendes, F. Marques, I. C. Santos, M. F. Carvalho, I. Correia, J. C. Pessoa, I. Santos, A. Paulo, “Copper(II) complexes with tridentate pyrazole-based ligands: synthesis, characterization, DNA cleavage activity and cytotoxicity”, J. Inorg. Biochem. (2011) 105, 5, 637-644.

31 – J. Benitez, L. Becco, I. Correia, S. M. Leal, H. Guiset, J. Costa Pessoa, J. Lorenzo, S. Tanco, P. Escobar, V. Moreno, B. Garat, D. Gambino, “Vanadium polypyridyl compounds as potential antiparasitic and antitumoral agents: New achievements”, J. Inorg. Biochem. (2011) 105, 2, 303-313.

30– I. Correia,\* S. Marcao, K. Koci, I. Tomaz, P. Adão, T. Kiss, T. Jakusch, F. Avecilla and J. Costa Pessoa, “Vanadium(IV) and -(V) Complexes of Reduced Schiff Bases Derived from Aromatic o-Hydroxyaldehydes and Tyrosine Derivatives” Eur. J. Inorg. Chem. (2011) 5, 694-708.

29– P. Adão, F. Avecilla, M. Bonchio, M. Carraro, J. Costa Pessoas and I. Correia,\* “Titanium(IV)-salan catalysts for asymmetric sulfoxidation with hydrogen peroxide”, Eur. J. Inorg. Chem. (2010) 35, 5568-5578.

28 – C.S. Oliveira, A.C. Sarmento, A. Pereira, I. Correia, J.C. Pessoa, V.I. Esteves, H.M.A.C. Fonseca, M.A.C. Henrique, E. Pires, M.T. Barros,“Non-native states of cardosin A induced by acetonitrile: Activity modulation via polypeptide chains rearrangements”, J. Mol. Cat. B-Enz. (2009) 61(3-4) 274-278.

27 - J. Costa Pessoa, I. Correia, G. Gonçalves and I. Tomaz, “Circular Dichroism in Coordination Compounds”, J. Arg. Chem. Soc. (2009) 97, 151-165. (Special Issue dedicated to Professor E. Baran)

26- I. Correia\* and T. Welton,\* "An old reaction in new media: Kinetic study of a Platinum(II) substitution reaction in ionic liquids", Dalton Trans. (2009) 4115.

25 - P. Adão, J. Costa Pessoa, R. T. Henriques, M. L. Kuznetsov, F. Avecilla, M. R. Maurya, U. Kumar and I. Correia,\* "Synthesis, Characterization and application of vanadium-salan complexes in oxygen transfer reactions”, Inorg. Chem. (2009) 3542.

24 - F. Avecilla, P. Adão, I. Correia and J. Costa Pessoa, “Influence of polydentate ligands in the structure of dinuclear”, Pure Appl. Chem. (2009) 81(7) 1297.

23 - P. Adão, M. R. Maurya, U. Kumar, F. Avecilla, R. T. Henriques, M. L. Kusnetsov, J. Costa Pessoa and I. Correia,\* “Vanadium-salen and -salan complexes: characterization and application in oxygen transfer reactions” Pure Appl. Chem. (2009) 81(7) 1279.

22 - R. F. Vitor, I. Correia, M. Videira, F. Marques, A. Paulo, J. Costa Pessoa, G. Viola, G. Martins, I. Santos, “Pyrazolyl-diamine ligands that bear anthracenyl moieties and their rhenium(I) tricarbonyl complexes: synthesis, characterisation and DNA-binding properties”, Chem. Bio. Chem. (2008) 9(1), 131-142.

21 - M. R. Maurya, U. Kumar, I. Correia, P. Adão and J. Costa Pessoa, “Polymer-Bound Oxidovanadium(IV) Complex Prepared from an L-Cysteine-Derived Ligand for the Oxidative Amination of Styrene”, Eur. J. Inorg. Chem. (2008) 4 577-587.

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