Curriculum vitae

Manuel Aureliano Pereira Martins Alves

Place and date of birth: Fânzeres (Gondomar), Porto, 1-10-1960

Nationality: Portuguese

Institutional address and Research affiliation; FCT, University of Algarve and Centre of Marine Sciences (CCmar), Faro, Portugal

Telephone: +351/289800971, mobile: 914833574, email: maalves@ualg.pt

Academic degrees, fields of study, Institutions, dates

2015: Habilitation, Inorganic Biochemistry, University of Algarve (by unanimity)

1996: PhD, Biochemistry/Bioenergetics, University of Coimbra, Portugal

1991: MSC Cell Biology, University of Coimbra, Portugal

1986: Biochemistry degree, University of Coimbra, Portugal

Academic positions, institution, starting date

January 2015: Associate Professor with Aggregation (Habilitation), University of Algarve

June 2006: Associate Professor, University of Algarve

December 1997, Assistant Professor, University of Algarve (UAlg)

1996/97, Assistant Professor, University Institute of Health Sciences (CESPU-Norte)

1990/96, Collaborator Professor, School of Health Technology of Coimbra (ESTSC).

Monitor (22 months), Faculty of Sciences, University of Coimbra (UC).

Citation metrics: https://www.researchgate.net/profile/Manuel_Aureliano

Publications: Over 70 per review publications, 7 books chapters and one Book edition

Training: more than 90 students: post doctoral (2); PhD (7), MSc (6); 79 thesis degree students (before and after Bologna (2008/09))

Research Experience

April 2017– July 2017	**Visiting Professor** University of Wien, Wien, Austria
March 2010– Jun 2010	**Visiting Professor** University of Gothenburg, Göteborg, Sweden
Jan 2004 – July 2004	**Visiting Professor** Universidad de Extremadura, Badajoz, Spain
Oct 1993 – Dec 1993	**PhD Student** Federal University of Rio de Janeiro, Rio de Janeiro, Brazil
Jan 1988 – Dec 2013	**Researcher** University of Coimbra, Center for Neurosciences and Cell Biology Coimbra, Portugal

Statistics

RG Score	34.49
Publications	78
Total Impact Points	203.52
Reads	1,715
Citations	1220

Awards & Grants:

2016, Top 10% reviewer for Publons, Field: Biochemistry, Genetics and Molecular Biology

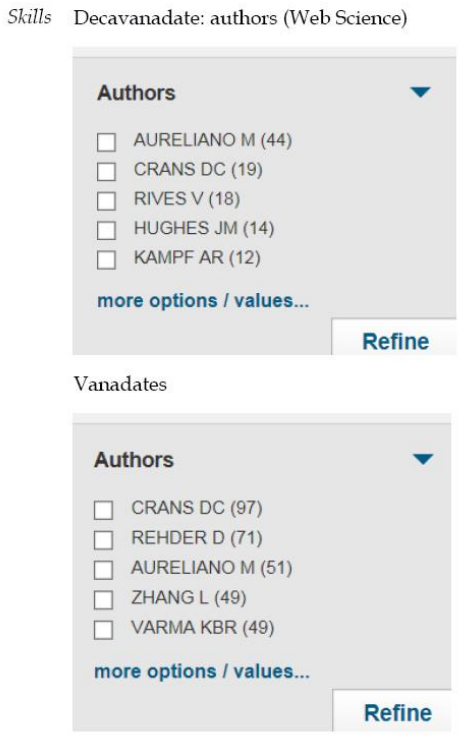
2017, Top 1% reviewer for Publons, Field: Chemistry.

2017, Top 1% reviewer for Publons, Field: Chemical Engineering.

http://prw.publons.com/sentinels-of-science-recipients-2016/

Skills & Activities

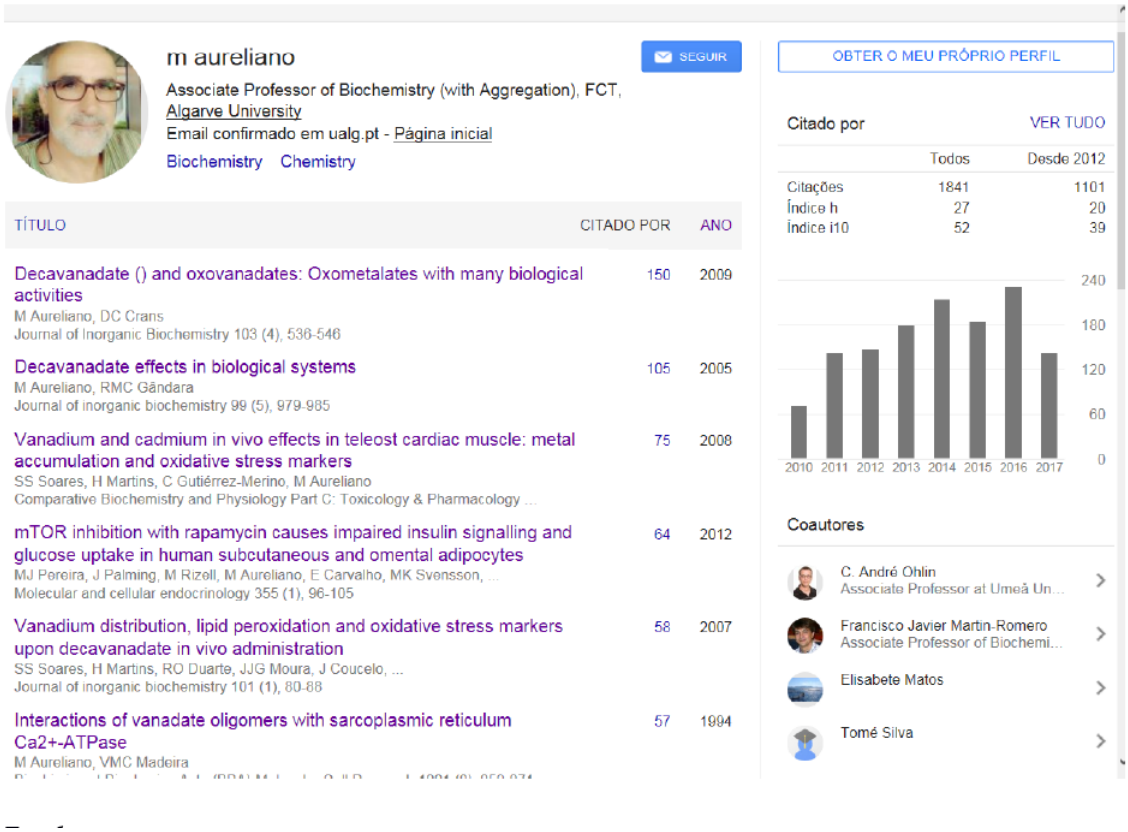
Skills Vanadates, Bioinorganic Chemistry, Chemical Biology, Muscle Contraction, Vanadium Compounds, Oxidative Stress, P-type ATPases



Languages English, French and German (A.1.1)

Publication Highlights

Publication Highlights



Books

Vanadium Biochemistry, 2007, Editor, Research SignPost, India

Book Chapters (examples)

Custódia Fonseca, Manuel Aureliano, Feras Abbas, Ambrose Furey: *Title: Recent insights into anatoxin-a chemical synthesis, biomolecular targets, mechanisms of action and LC-MS detection Source: Phycotoxins, Chemistry and Biochemistry, 137-180 Published: 2015*. Phycotoxins: Chemistry and Biochemistry, 2nd Edition, Edited by Luis M. Botana (Editor, Amparo Alfonso (Editor, 01/2015: chapter Chapter 7: pages 137-180;

Manuel Aureliano, Sandra S. Soares, Teresa Tiago, Susana Ramos, Carlos Gutiérrez-Merino: *Biological Effects of Decavanadate: Muscle Contraction, In Vivo Oxidative Stress, and Mitochondrial Toxicity*. 08/2007: pages 249-263;

J. J. C. Teixeira-Dias, E. M. V. Pires, P. J. A. Ribeiro-Claro, L. A. E. Batista de Carvalho, M. Aureliano, Ana Margarida Amado: *A Vibrational Raman Spectroscopic Study of Myosin and Myosin - Vanadate Interactions*. Cellular Regulation by Protein Phosphorylation, 01/1991: pages 29-33; , ISBN: 978-3-642-75144-8

P. J. A. Ribeiro-Claro, J. J. C. Teixeira-Dias, E. M. V. Pires, L. A. E. Batista de Carvalho, M. Aureliano, A. M. Amado: *CONFORMATIONAL STUDY OF MYOSIN BY RAMAN-SPECTROSCOPY AND MOLECULAR MECHANICS CALCULATIONS*. Cellular Regulation by Protein Phosphorylation, NATO ASI SERIES, Vol. H56 edited by L.M.G. Heilmeyer, 01/1991: pages 31-32; Springer-Verlag., ISBN: 0851864376

Journal Publications (examples)

Manuel Aureliano, C. André Ohlin, Michele Oliveira Vieira, Maria Paula M Marques, William H Casey, Luis A. E. Batista de Carvalho: *Characterization of decavanadate and decaniobate solutions by Raman spectroscopy*. Dalton Transactions 03/2016; DOI:10.1039/C5DT04176G

M. Aureliano: *Decavanadate Toxicology and Pharmacological Activities: V 10 or V 1 , Both or None?*. Oxidative medicine and cellular longevity 01/2016; 2016(3):1-8. DOI:10.1155/2016/6103457

M. Aureliano: *Decavanadate contribution to vanadium biochemistry: In vitro and in vivo studies*. Inorganica Chimica Acta 08/2014; 420:4–7. DOI:10.1016/j.ica.2013.10.010

Maria J Pereira, Jenny Palming, Magnus Rizell, Manuel Aureliano, Eugénia Carvalho, Maria K Svensson, Jan W Eriksson: *Cyclosporine A and Tacrolimus Reduce the Amount of GLUT4 at the Cell Surface in Human Adipocytes: Increased Endocytosis as a Potential Mechanism for the Diabetogenic Effects of Immunosuppressive Agents*. The Journal of Clinical Endocrinology and Metabolism 07/2014; 99(10):jc20141266. DOI:10.1210/jc.2014-1266

Nuttaporn Samart, Jessica Saeger, Kenneth J. Haller, Manuel Aureliano, Debbie C. Crans: *INTERACTION OF DECAVANADATE WITH INTERFACES AND BIOLOGICAL MODEL MEMBRANE SYSTEMS: CHARACTERIZATION OF SOFT OXOMETALATE SYSTEMS*. 05/2014; 02(01). DOI:10.1142/S2251237314400073

M Aureliano, C André Ohlin: *Decavanadate in vitro and in vivo effects: Facts and opinions*. Journal of Inorganic Biochemistry 05/2014; 137. DOI:10.1016/j.jinorgbio.2014.05.002

Manuel Aureliano, Gil Fraqueza, C André Ohlin: *Ion pumps as biological targets for decavanadate*. Dalton Transactions 05/2013; 42(33). DOI:10.1039/c3dt50462j

Maria J Pereira, Jenny Palming, Magnus Rizell, Manuel Aureliano, Eugénia Carvalho, Maria K Svensson, Jan W Eriksson: *The immunosuppressive agents rapamycin, cyclosporin A and tacrolimus increase lipolysis, inhibit lipid storage and alter expression of genes involved in*

lipid metabolism in human adipocytes.. Molecular and Cellular Endocrinology 11/2012; 365(2). DOI:10.1016/j.mce.2012.10.030

Gil Fraqueza, Luís A E Batista de Carvalho, M Paula M Marques, Luisa Maia, C André Ohlin, William H Casey, Manuel Aureliano: *Decavanadate, decaniobate, tungstate and molybdate interactions with sarcoplasmic reticulum Ca2+-ATPase: Quercetin prevents cysteine oxidation by vanadate but does not reverse ATPase inhibition*. Dalton Transactions 09/2012; 41(41):12749-58. DOI:10.1039/c2dt31688a

S. Ramos, J. J. G. Moura, M. Aureliano: *A Comparison between Vanadyl, Vanadate, and Decavanadate Effects in Actin Structure and Function: Combination of Several Spectroscopic Studies*. Spectroscopy 07/2012; 27(5-6). DOI:10.1155/2012/532904

Maria J Pereira, Jenny Palming, Magnus Rizell, Manuel Aureliano, Eugénia Carvalho, Maria K Svensson, Jan W Eriksson: *MTOR inhibition with rapamycin causes impaired insulin signalling and glucose uptake in human subcutaneous and omental adipocytes*. Molecular and Cellular Endocrinology 02/2012; 355(1):96-105. DOI:10.1016/j.mce.2012.01.024

S Ramos, J J G Moura, M Aureliano: *Recent advances into vanadyl, vanadate and decavanadate interactions with actin*. Metallomics 01/2012; 4(1):16-22. DOI:10.1039/c1mt00124h

G Fraqueza, L Carvalho, P Marques, C A Ohlin, W Casey, M Aureliano: *Functional and structural interactions of Nb, V, Mo and W oxometalates with the sarcoplasmic reticulum Ca2(+) -ATPase reveal new insights into inhibition processes: a combination of NMR, Raman, AA and EPR spectroscopy with kinetic studies*. FEBS Journal 01/2012; 279:439-439.

Manuel Aureliano, Pedro A Nolasco, João J R Fraústo, Silva E José, Armando L Da: *Os semimetais na origem e evolução da vida*. Química Nova 01/2012; 35(5). DOI:10.1590/S0100-40422012000500036

Gil Fraqueza, C André Ohlin, William H Casey, Manuel Aureliano: *Sarcoplasmic reticulum calcium ATPase interactions with decaniobate, decavanadate, vanadate, tungstate and molybdate.* Journal of inorganic biochemistry 10/2011; 107(1):82-9. DOI:10.1016/j.jinorgbio.2011.10.010

Manuel Aureliano, Fct, University Of Algarve, Gambelas, Faro, Portugal: *Recent perspectives into biochemistry of decavanadate.*. 10/2011; 2(10):215-225. DOI:10.4331/wjbc.v2.i10.215

Susana Ramos, Rui M Almeida, José J.G. Moura, Manuel Aureliano: *Implications of Oxidovanadium(IV) Binding to Actin*. Journal of inorganic biochemistry 06/2011; 105(6):777-83. DOI:10.1016/j.jinorgbio.2011.02.010

Elisabete Matos ⇑, Tomé S. Silva, Teresa Tiago, Manuel Aureliano, Maria Teresa Dinis, Jorge Dias: *Effect of harvesting stress and storage conditions on protein degradation in fillets of*

farmed gilthead seabream (Sparus aurata): A differential scanning calorimetry study. Food Chemistry 05/2011; 126(1):270. DOI:10.1016/j.foodchem.2010.11.017

Teresa Tiago, Dorinda Marques-da-Silva, Alejandro K Samhan-Arias, Manuel Aureliano, Carlos Gutierrez-Merino: *Early disruption of the actin cytoskeleton in cultured cerebellar granule neurons exposed to 3-morpholinosydnonimine-oxidative stress is linked to alterations of the cytosolic calcium concentration*. Cell calcium 02/2011; 49(3):174-83. DOI:10.1016/j.ceca.2011.01.009

Susana Ramos, José J.G. Moura, Manuel Aureliano: *Actin as a potential target for decavanadate*. Journal of inorganic biochemistry 12/2010; 104(12):1234-9. DOI:10.1016/j.jinorgbio.2010.08.001

Teresa Tiago, Pedro S Palma, Carlos Gutierrez-Merino, Manuel Aureliano: *Peroxynitrite-mediated oxidative modifications of myosin and implications on structure and function*. Free Radical Research 11/2010; 44(11):1317-27. DOI:10.3109/10715762.2010.502170

Vincent Laizé, Daniel M. Tiago, Manuel Aureliano, M. Leonor Cancela: *New insights into mineralogenic effects of vanadate*. Cellular and Molecular Life Sciences CMLS 12/2009; 66(24):3831-3836. DOI:10.1007/s00018-009-0137-9

Maria João Pereira, Eugénia Carvalho, Jan W Eriksson, Debbie C Crans, Manuel Aureliano: *Effects of decavanadate and insulin enhancing vanadium compounds on glucose uptake in isolated rat adipocytes*. Journal of inorganic biochemistry 12/2009; 103(12):1687-92. DOI:10.1016/j.jinorgbio.2009.09.015

Manuel Aureliano: *Decavanadate: A journey in a search of a role*. Dalton Transactions 11/2009; 42(42):9093-100. DOI:10.1039/b907581j

Susana Ramos, Rui O Duarte, José J G Moura, Manuel Aureliano: *Decavanadate interactions with actin: Cysteine oxidation and vanadyl formation*. Dalton Transactions 10/2009; DOI:10.1039/b906255f

Teresa Tiago, D. Marques da Silva, A. K. Samhan-Arias, M. Aureliano, Carlos Gutiérrez-Merino: *Actin cytoskeleton disruption is an early event upon exposure of cerebellar granule neurons to SIN-1-induced oxidative stress*. Free Radical Research 01/2009;

Manuel Aureliano, Debbie C Crans: *Decavanadate (V10O286-) and oxovanadates: Oxometalates with many biological activities*. Journal of inorganic biochemistry 12/2008; 103(4):536-46. DOI:10.1016/j.jinorgbio.2008.11.010

Manuel Aureliano, Fernando Henao, Teresa Tiago, Rui O Duarte, J J G Moura, Bharat Baruah, Debbie C Crans: *Sarcoplasmic Reticulum Calcium ATPase Is Inhibited by Organic Vanadium Coordination Compounds: Pyridine-2,6-dicarboxylatodioxovanadium(V), BMOV, and an Amavadine Analogue*. Inorganic Chemistry 08/2008; 47(13):5677-84. DOI:10.1021/ic702405d

Daniel M Tiago, Vincent Laizé, M Leonor Cancela, Manuel Aureliano: *Impairment of mineralization by metavanadate and decavanadate solutions in a fish bone-derived cell line*. Cell Biology and Toxicology 07/2008; 24(3):253-63. DOI:10.1007/s10565-007-9034-x

Daniel M Tiago, M Leonor Cancela, Manuel Aureliano, Vincent Laizé: *Vanadate proliferative and anti-mineralogenic effects are mediated by MAPK and PI-3K/Ras/Erk pathways in a fish chondrocyte cell line*. FEBS Letters 05/2008; 582(9):1381-5. DOI:10.1016/j.febslet.2008.03.025

S.S. Soares, H Martins, C Gutiérrez-Merino, M Aureliano: *Vanadium and cadmium in vivo effects in teleost cardiac muscle: Metal accumulation and oxidative stress markers*. Comparative Biochemistry and Physiology Part C Toxicology & Pharmacology 04/2008; 147(2):168-78. DOI:10.1016/j.cbpc.2007.09.003

Sandra Sofia Soares, Fernando Henao, Manuel Aureliano, Carlos Gutiérrez-Merino: *Vanadate Induces Necrotic Death in Neonatal Rat Cardiomyocytes Through Mitochondrial Membrane Depolarization*. Chemical Research in Toxicology 04/2008; 21(3):607-18. DOI:10.1021/tx700204r

Teresa Tiago, M. Aureliano, Carlos Gutiérrez-Merino: *Effects of reactive oxygen and nitrogen species on actomyosin and their implications for muscle contractility*.

Daniel M. Tiago, Vincent Laize, M. Leonor Cancela, Manuel Aureliano: *Vanadate and Bone Metabolism: Effect on Proliferation and Mineralization of Fish Bone Derived Cells*. Free Radical Research 10/2007;

Manuel Aureliano, Sandra S. Soares, F Henao, Carlos Gutierrez-Merino: *The Pathways of Cell Death in Cardiomyocytes Induced by Vanadate*. Free Radical Research 10/2007;

Teresa Tiago, Dorinda Silva, Andre Santos, Manuel Aureliano, Carlos Gutierrez-Merino: *Actomyosin Modulation by Peroxynitrite*. Free Radical Research 10/2007;

Sandra S Soares, Carlos Gutiérrez-Merino, Manuel Aureliano: *Mitochondria as a target for decavanadate toxicity in Sparus aurata heart*. Aquatic Toxicology 07/2007; 83(1):1-9. DOI:10.1016/j.aquatox.2007.03.005

S.S. Soares, C Gutiérrez-Merino, M Aureliano: *Decavanadate induces mitochondrial membrane depolarization and inhibits oxygen consumption*. Journal of Inorganic Biochemistry 06/2007; 101(5):789-96. DOI:10.1016/j.jinorgbio.2007.01.012

Teresa Tiago, Paulo Martel, Carlos Gutiérrez-Merino, Manuel Aureliano: *Binding modes of decavanadate to myosin and inhibition of the actomyosin ATPase activity*. Biochimica et Biophysica Acta 05/2007; 1774(4):474-80. DOI:10.1016/j.bbapap.2007.02.004

S.S. Soares, H Martins, R.O. Duarte, J.J.G. Moura, J Coucelo, C Gutiérrez-Merino, M Aureliano: *Vanadium distribution, lipid peroxidation and oxidative stress markers upon decavanadate*

in vivo administration. Journal of Inorganic Biochemistry 02/2007; 101(1):80-8. DOI:10.1016/j.jinorgbio.2006.08.002

Daniel M Tiago, Vincent Laizé, Manuel Aureliano, M Leonor Cancela: *VANADATE EFFECTS ON BONE METABOLISM: FISH CELL LINES AS AN ALTERNATIVE TO MAMMALIAN IN VITRO SYSTEMS*.

C. F. G. C. Geraldes, M. M. C. A. Castro, M. E. Saraiva, M. A. Aureliano, B. A. Dias: *Interaction of monosaccharides and related compounds with oxocations of Mo(VI), W(VI) and U(VI) studied by NMR spectroscopy*. Journal of Coordination Chemistry 12/2006; 17(3). DOI:10.1080/00958978808070771

Susana Ramos, Miguel Manuel, Teresa Tiago, Rui Duarte, Jorge Martins, Carlos Gutiérrez-Merino, José J G Moura, Manuel Aureliano: *Decavanadate interactions with actin: Inhibition of G-actin polymerization and stabilization of decameric vanadate*. Journal of Inorganic Biochemistry 12/2006; 100(11):1734-43. DOI:10.1016/j.jinorgbio.2006.06.007

Teresa Tiago, Susana Ramos, Manuel Aureliano, Carlos Gutiérrez-Merino: *Peroxynitrite induces F-actin depolymerization and blockade of myosin ATPase stimulation*. Biochemical and Biophysical Research Communications 04/2006; 342(1):44-9. DOI:10.1016/j.bbrc.2006.01.112

Teresa Tiago, Sónia Simão, Manuel Aureliano, Francisco Javier Martín-Romero, Carlos Gutiérrez-Merino: *Inhibition of Skeletal Muscle S1-Myosin ATPase by Peroxynitrite †*. Biochemistry 04/2006; 45(11):3794-804. DOI:10.1021/bi0518500

S S Soares, H Martins, M Aureliano: *Vanadium Distribution Following Decavanadate Administration*. Archives of Environmental Contamination and Toxicology 02/2006; 50(1):60-4. DOI:10.1007/s00244-004-0246-2

Manuel Aureliano, Teresa Tiago, Ricardo M.C. Gândara, Andrea Sousa, A Moderno, M Kaliva, A Salifoglou, Rui O Duarte, José J.G. Moura: *Interactions of vanadium(V)-citrate complexes with the sarcoplasmic reticulum calcium pump*. Journal of Inorganic Biochemistry 12/2005; 99(12):2355-61. DOI:10.1016/j.jinorgbio.2005.09.002

R M C Gândara, S S Soares, H Martins, C Gutiérrez-Merino, M Aureliano: *Vanadate oligomers: In vivo effects in hepatic vanadium accumulation and stress markers*. Journal of Inorganic Biochemistry 06/2005; 99(5):1238-44. DOI:10.1016/j.jinorgbio.2005.02.023

Manuel Aureliano, Ricardo M.C. Gândara: *Decavanadate effects in biological system*. Journal of Inorganic Biochemistry 06/2005; 99(5):979-85. DOI:10.1016/j.jinorgbio.2005.02.024

Teresa Tiago, Manuel Aureliano, José J.G. Moura: *Decavanadate as a biochemical tool in the elucidation of muscle contraction regulation*. Journal of Inorganic Biochemistry 12/2004; 98(11):1902-10. DOI:10.1016/j.jinorgbio.2004.08.013

Teresa Tiago, Manuel Aureliano, Carlos Gutiérrez-Merino: *Decavanadate Binding to a High Affinity Site near the Myosin Catalytic Centre Inhibits F-Actin-Stimulated Myosin ATPase Activity †*. Biochemistry 06/2004; 43(18):5551-61. DOI:10.1021/bi049910+

G Borges, P Mendonça, N Joaquim, J. M. Coucelo, M Aureliano: *Acute Effects of Vanadate Oligomers on Heart, Kidney, and Liver Histology in the Lusitanian Toadfish (Halobatrachus didactylus)*. Archives of Environmental Contamination and Toxicology 11/2003; 45(3):415-22. DOI:10.1007/s00244-003-2155-1

S.S. Soares, M Aureliano, N Joaquim, J.M. Coucelo: *Cadmium and vanadate oligomers effects on methaemoglobin reductase activity from Lusitanian toadfish: In vivo and in vitro studies*. Journal of Inorganic Biochemistry 03/2003; 94(3):285-90. DOI:10.1016/S0162-0134(03)00006-0

Teresa Tiago, Manuel Aureliano, Rui O. Duarte, José J. G. Moura: *Vanadate oligomers interaction with phosphorylated myosin*. Inorganica Chimica Acta 11/2002; 339:317-321. DOI:10.1016/S0020-1693(02)00948-9

M Aureliano, N Joaquim, A Sousa, H Martins, J M Coucelo: *Oxidative stress in toadfish (Halobactrachus didactylus) cardiac muscle. Acute exposure to vanadate oligomers.*. Journal of Inorganic Biochemistry 07/2002; 90(3-4):159-65.

M. Aureliano, N. Joaquim, A. Sousa, H. Martins, J. M. Coucelo: *Oxidative stress in toadfish (Halobactrachus didactylus) cardiac muscle*. Journal of Inorganic Biochemistry 06/2002; 90(3):159-165. DOI:10.1016/S0162-0134(02)00414-2

Teresa Tiago, Manuel Aureliano, Carlos Gutiérrez-Merino: *Quenching of Myosin Intrinsic Fluorescence Unravels the Existence of a High Affinity Binding Site for Decavanadate*. Journal of Fluorescence 02/2002; 12(1):87-90. DOI:10.1023/A:1015371422083

Manuel Aureliano: *Vanadate oligomer interactions with myosin*. Journal of Inorganic Biochemistry 06/2000; 80(1-2):141-3. DOI:10.1016/S0162-0134(00)00021-0

Manuel Aureliano: *Vanadate oligomer inhibition of passive and active Ca2+ translocation by the Ca2+ pump of sarcoplasmic reticulum*. Journal of Inorganic Biochemistry 06/2000; 80(1-2):145-7. DOI:10.1016/S0162-0134(00)00022-2

Manuel Aureliano, Maria C. Pedroso, De Lima, Arsélio P. Carvalho, Euclides M.V. Pires: *Effect of myosin phosphorylation on actomyosin ATPase activity: a flow microcalorimetric study*. Thermochimica Acta 07/1995; 258:59-66. DOI:10.1016/0040-6031(94)02192-Q

M Aureliano, V.M.C. Madeira: *Vanadate Oligoanions Interact with the Proton Ejection by the Ca2+ Pump of Sarcoplasmic Reticulum*. Biochemical and Biophysical Research Communications 12/1994; 205(1):161-7. DOI:10.1006/bbrc.1994.2644

M Aureliano, J Leta, V.M.C. Madeira, L de Meis: *The Cleavage of Phosphoenolpyruvate by Vanadate*. Biochemical and Biophysical Research Communications 06/1994; 201(1):155-9. DOI:10.1006/bbrc.1994.1682

Manuel Aureliano, V M Mdeira: *Interactions of vanadate oligomers with sarcoplasmic reticulum Ca2+-ATPase*. Biochimica et Biophysica Acta 05/1994; 1221(3):259-71. DOI:10.1016/0167-4889(94)90249-6

Ana Margarida Amado, M. Aureliano, Paulo J. A. Riberio-Claro, J. J. C. Teixeira-Dias: *Combined Raman and 51V NMR spectroscopic study of vanadium (V) oligomerization in aqueous alkaline solutions*. Journal of Raman Spectroscopy 10/1993; 24(10):699 - 703. DOI:10.1002/jrs.1250241011

Manuel Aureliano: *Chapter 7 DECAVANADATE INTERACTIONS WITH SARCOPLASMIC RETICULUM CALCIUM PUMP*.

Teresa Tiago, Carlos Gutiérrez-Merino, Manuel Aureliano: *MONOMERIC VERSUS DECAMERIC VANADATE IN THE ELUCIDATION OF MUSCLE CONTRACTION REGULATION: A KINETIC, SPECTROSCOPIC AND STRUCTURAL OVERVIEW*.

Sandra S Soares, Carlos Gutiérrez-Merino, Manuel Aureliano: *DECAVANADATE TOXICITY EFFECTS FOLLOWING in vivo ADMINISTRATION*.

S. S. Soares, M. Aureliano, N. Joaquim, J. M. Coucelo: *CADMIUM AND VANADATE OLIGOMERS COMPARATIVE EFFECTS ON THE TOADFISH ERYTHROCYTE*.

Gisela Borges, Paula Mendonça, Natércia Joaquim, Manuel Aureliano: *HISTOLOGICAL ANALYSIS OF VANADATE OLIGOMERS EFFECTS ON HEART, KIDNEY AND LIVER OF THE LUSITANIAN TOADFISH: AN ACUTE EXPOSURE STUDY*.

Inês Figueiredo, Sandra Soares, Gisela Borges, Natércia Joaquim, Manuel Aureliano, Josefina Coucelo: *EFFECTS OF VANADATE OLIGOMERS ON LIPID PEROXIDATION AND ANTIOXIDANT ENZYMES IN THE LUSITANIAN TOADFISH KIDNEY AND LIVER: SHORT-TERM EXPOSURE*.

Lília Leonardo, S. S. Soares, N. Joaquim, J. M. Coucelo, M. Aureliano: *INCUBATION AND PH-DEPENDENT EFFECTS OF VANADATE OLIGOMERS AND CADMIUM WITH Halobatrachus didactylus SARCOPLASMATIC RETICULUM CALCIUM PUMP*.

Conference Proceedings (examples)

M. J. R. Pereira, J. Palming, M. Rizell, M. Gabel, M. Aureliano, E. Carvalho, M. K. Svensson, J. W. Eriksson: *Immunosuppressive agents induce alterations in human subcutaneous adipose tissue gene expression and glucose and lipid metabolism*. 47th Annual Meeting of the; 09/2011

Elisabete Matos, André Santos, Teresa Tiago, Manuel Aureliano, Maria Teresa Dinis, Jorge Dias: *Differential scanning calorimetry as a tool to assess protein degradation in gilthead seabream (Sparus aurata) fillets: effect of slaughter stress and storage conditions.* International Meeting on Marine Resources; 11/2009

M. Aureliano, MSc, PhD (University of Coimbra)
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Societies
http://www.spb.pt/
http://sites.fct.unl.pt/bioin-portugal

Research

https://www.scopus.com/authid/detail.uri?authorId=6603412860
https://www.orcid.org/0000-0003-4858-3201
https://www.researchgate.net/profile/Manuel_Aureliano
http://prw.publons.com/sentinels-of-science-recipients-2016/

Others

https://www.youtube.com/watch?v=eJQu9aIDleM
https://www.youtube.com/watch?v=6KR9BBpYRV4
https://www.youtube.com/watch?v=5M8YvDwesHE
https://www.facebook.com/associacao.defaro/videos/1693318420911864

November 13, 2017
MAA