Previous Scientific production and Research Highlights

i) Scientific publications

Publication Metrics (Thomson Reuters Web of Science)

Web of Knowledge Researcher ID: **C-5140-2009**	Number of articles: 34
Retrieved at 13.Jul.2018	Articles with citation data: 34
	Sum of the times cited: 1051
Other Researcher identifiers:	Sum of times cited (without self-citations): 901
Orcid ID: 0000-0002-2671-6969	Average Citations per Item: 30,91
Orcid link: http://orcid.org/0000-0002-2671-6969	**h-index: 17**
	Articles with Impact Factor Q1: 14 (41%)
	Articles with Impact Factor Q1-Q2: 97%
	Articles with foreign institutions: 38%

Articles in Refereed International Journals

34. Tosi, I.; Vurchio, C.; Abrantes, M.; Gonçalves, I. S.; Pillinger, M.; Cavani, F.; Cordero, F. M.; Brandi, A. "$[MoO_3(2,2'–bipy)]_n$ catalyzed oxidation of amines and sulfides" *Catal. Commun.,* **2018**, 103, 60–64.

DOI: http://dx.doi.org/10.1016/j.catcom.2017.09.022

Impact factor quartile: Q1

33. Bruno, S.; Gomes, A. C.; Abrantes, M.; Valente, A. A.; Pillinger, M.; Gonçalves, I. S. "Ring-opening of epoxides promoted by organomolybdenum complexes of the type $[(h^5\text{-}C_5H_4R)Mo(CO)_2(h^3\text{-}C_3H_5)]$ and $[(h^5\text{-}C_5H_5)Mo(CO)_3(CH_2R)]$" *J. Organomet. Chem.,* **2015**, 799-800, 179-183.

DOI: http://dx.doi.org/10.1016/j.jorganchem.2015.09.022

Impact factor Quartile: Q2

32. Nunes, P.; Gomes, A. C.; Pillinger, M.; Gonçalves, I. S.; Abrantes, M. "Promotion of phosphoester hydrolysis by the ZrIV-based metal-organic framework UiO-67" *Micro. Mesop. Mat*., **2015**, 208, 21-29.

DOI: http://dx.doi.org/10.1016/j.micromeso.2015.01.01

Impact factor quartile: Q1

31. Gomes, A. C.; Gamelas, C. A.; Fernandes, J. A.; Paz, F. A. A.; Nunes, P.; Pillinger, M.; Gonçalves, I. S.; Romão, C. C.; Abrantes, M. "Use of organo-molybdenum compounds for promoted hydrolysis of phosphoester bonds in aqueous media" *Eur. J. Inorg. Chem.,* **2014**, *3681–3689.*

DOI: http://dx.doi.org/10.1002/ejic.201402071

Impact factor quartile: Q2

30. Bruno, S.; Gomes, A. C.; Gamelas, C. A.; Abrantes, M.; Oliveira, M. C.; .; Valente, A. A.; Paz, F. A. A.; Romão, C. C.; Pillinger, M.; Gonçalves, I. S. "Application of an indenyl molybdenum dicarbonyl complex in the isomerisation of α-pinene Oxide to Campholenic Aldehyde" *New J. Chem.,* **2014**, 38, 3172-3180.

DOI: http://dx.doi.org/10.1039/c4nj00371c

Impact factor quartile: Q2

29. Gomes, A. C.; Pillinger, M.; Nunes, P.; Gonçalves, I. S.; Abrantes, M. " Promotion of phosphoester hydrolysis by MoO_2Cl_2L (L=bipyridine derivatives, H_2O, no ligand), $MoO_2(CH_3)_2L$ (L=bipyridine derivatives) and related inorganic-organic hybrids in aqueous media" *J. Organomet. Chem.,* **2014**, 760, 42-47.

DOI: http://dx.doi.org/10.1016/j.jorganchem.2013.12.029

Impact factor quartile: Q2

28. Gomes, A. C.; Bruno, S. M.; Abrantes, M.; Magalhães, C. I. R.; Gonçalves, I. S.; Valente, A. A.; Pillinger, M. "Catalytic olefin epoxidation with a carboxylic acid-functionalized cyclopentadienyl molybdenum tricarbonyl complex" *J. Organomet. Chem.,* **2014**, 760, 205-211.

DOI: http://dx.doi.org/10.1016/j.jorganchem.2013.10.037

Impact factor quartile: Q2

27. Gomes, A. C.; Bruno, S. M.; Gamelas, C. A.; Valente, A. A.; Abrantes, M.; Gonçalves, I. S.; Romão, C. C.; Pillinger, M. "Intercalation of a molybdenum η^3-allyl dicarbonyl complex in a layered double hydroxide and catalytic performance in olefin epoxidation" Dalton Trans., **2013,** 42, 8231.

DOI: http://dx.doi.org/10.1039/c3dt50132a

Impact factor quartile: Q1

26. Gomes, A. C.; Bruno, S. M.;Tomé, C., Valente, A. A.; Pillinger, M.; Abrantes, M.; Gonçalves, I. S. "Synthesis and Characterization of $CpMo(CO)_3(CH_2\text{-}pC_6H_4\text{-}CO_2CH_3)$ and its Inclusion Compounds with Methylated Cyclodextrins. Applications in Olefin Epoxidation Catalysis" *J. Organomet. Chem.,* **2013**, 730, 116-122.

DOI: http://dx.doi.org/10.1016/j.jorganchem.2012.12.019

Impact factor quartile: Q2

25. Tomé, C., Oliveira, M. C.; Pillinger, M.; Gonçalves, I. S. ; Abrantes, M. " Use of $MoO_2Cl_2(DMF)_2$ as a Precursor for Molybdate Promoted Hydrolysis of Phosphoester Bonds" *Dalton Trans*., **2013**, 42, 3901–3907.

DOI: http://dx.doi.org/10.1039/c2dt32734a

Impact factor quartile: Q1

24. Amarante, T. R.; Neves, P.; Tomé, C.; Abrantes, M.; Valente, A. A.; Paz, F. A. A.; Pillinger, M.; Gonçalves,

I. S. "An Octanuclear Molybdenum(VI) Complex Containing Coordinatively Bound 4,4'-di-tert-Butyl-2,2'-Bipyridine, $[Mo_8O_{22}(OH)_4(di\text{-}tBu\text{-}bipy)_4]$. Synthesis, Structure and Catalytic Epoxidation of Bio-Derived Olefins*" Inorg. Chem.,* **2012**, 51, 3666-3676.

DOI: http://dx.doi.org/10.1021/ic202640a

Impact factor quartile: Q1

23. Abrantes, M.; Gonçalves, I. S.; Pillinger, M.; Vurchio, C.; Cordero, F.M.; Brandi, A. "Molybdenum Oxide/Bipyridine Hybrid Material $\{[MoO_3(bipy)][MoO_3(H_2O)]\}_n$ as Catalyst for the Oxidation of Secondary Amines to Nitrones" *Tetrahedron Lett*., **2011**, 52, 7079–7082.

DOI: http://dx.doi.org/10.1016/j.tetlet.2011.10.079

Impact factor quartile: Q2

22. Abrantes, M.; Bruno, S. M.; Tomé, C.; Pillinger, M.; Gonçalves, I. S.; Valente, A. A. "Epoxidation of DL-limonene using an indenyl molybdenum(II) tricarbonyl complexas catalyst precursor" Catal. Commun., **2011**, 64–67.

DOI: http://dx.doi.org/10.1016/j.catcom.2011.08.015

Impact factor quartile: Q1

21. Abrantes, M.; Amarantes, T.R.; Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Margiolaki, I.; Rodrigues, A.E.; Pillinger, M.; Valente, A.A.; Gonçalves, I.S. " Synthesis, Structure, and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum Oxide/Bipyridine Hybrid Material: $\{[MoO_3(bipy)][MoO_3(H_2O)]_n$" *Inorg. Chem.,* **2010**, 49, 6865–6873.

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20. Abrantes, M.; Neves, P., Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Rodrigues, A.E.; Pillinger, M.; Gonçalves, I.S.; Silva, C.M.; Valente, A.A. " Microwave-Assisted Molybdenum-Catalysed Epoxidation of Olefins", *J. Mol. Catal. A: Chem.,* **2010**, 320, 19-26.

DOI: http://dx.doi.org/10.1016/j.molcata.2009.12.011

Impact factor quartile: Q2

19. Amarante, T.R.; Almeida Paz, F.A.; Gago, S.; Gonçalves, I.S.; Pillinger, M.; Rodrigues, A.E.; Abrantes, M. "Microwave-Assisted Synthesis and Crystal Structure of Oxo(diperoxo)(4,4'-di-tert-butyl-2,2'-bipyridine)-molybdenum(VI)" *Molecules,* **2009**, 14, 3610-3620.

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18. Abrantes, M.; Almeida Paz, F.A.; Valente, A.A.; Pereira, C.C.L.; Gago, S.; Rodrigues, A.E.; Klinowski, J.;

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DOI: http://dx.doi.org/10.1016/j.jorganchem.2009.01.012

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17. Abrantes, M.; Valente, A.A.; Pillinger, M.; Romão, C.C.; Gonçalves, I.S. "Characterization of a chiral menthyldimethyltin molybdate and its use as an olefin epoxidation catalyst" *Catal. Letters*, **2007**, 114, 103-109.

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Impact factor quartile: Q3

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14. Freund, C.; Abrantes, M.; Kühn, F.E. "Monomeric cyclopentadiene molybdenum oxides and their carbonyl precursors as epoxidation catalysts" *J. Organomet. Chem*., **2006**, *691,* 3718-3712.

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Impact factor quartile: Q2

12. Kühn, F.E.; Santos, A. M.; Abrantes, M. "Mononuclear Organomolybdenum(VI) Dioxo Complexes: Synthesis, Reactivity and Catalytic Applications" *Chem. Rev*., **2006**, *106,* 2455-2475.

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Impact factor quartile: Q1 (1st in IF ranking)

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Impact factor quartile: Q2

10. Gago, S.; Fernandes, J.A.; Abrantes, M.; Kühn, F.E.; Ribeiro-Claro, P.; Pillinger, M.; Santos, T.M.; Gonçalves, I.S. "Immobilisation of methyltrioxorhenium on functionalised MCM-41" *Microp. Mesop. Mat.,* **2006***, 89,* 284-290.

DOI: http://dx.doi.org/10.1016/j.micromeso.2005.10.038

Impact factor quartile: Q1

9. Abrantes, M.; Valente, A.; Gonçalves, I. S.; Pillinger, M.; Romão, C. C. "Organotin-oxomolybdate coordination polymers as catalysts for the epoxidation of cyclooctene" *J. Mol. Cat, A: Chem.*, **2005***,* 238, 51-55.

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Impact factor quartile: Q2

8. Martins, A.M.; Romão, C.C.; Abrantes, M.; Azevedo, M.C.; Cui, J.; Dias, A.R.; Duarte, M.T.; Lemos, M.A.; Lorenço, T; Poli, R. "Mononuclear and Binuclear Cyclopentadienyl Oxo Molybdenum and Tungsten Complexes: Synthesis and Applications in Olefin Epoxidation Catalysis" *Organometallics* **2005**, 24, 2582-2589.

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7. Kühn, F. E; Zhao, J.; Abrantes, M; Sun, W.; Afonso, C. A. M.; Branco, L. C.; Gonçalves, I. S.; Pillinger, M.; Romão, C. C. "Catalytic olefin epoxidation with (cyclopentadienyl) molybdenum complexes in room-temperature ionic liquids" *Tetrahedron Lett.* **2005**, 46, 47-52.

DOI: http://dx.doi.org/10.1016/j.tetlet.2004.11.029

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DOI: http://dx.doi.org/10.1007/s10562-004-3760-y

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5. Abrantes, M.; Gago, S.; Valente, A.; Pillinger, M.; Gonçalves, I. S.; Santos, T.M.; Rocha, J.; Romão, C. C. "Incorporation of a (Cyclopentadienyl)molybdenum oxo complex in MCM-41 and its use as a catalyst for

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2. Abrantes, M.; Valente, A.; Pillinger, M.; Gonçalves, I. S.; Rocha, J.; Romão, C. C. "Epoxidation of olefins catalyzed by molybdenum-siloxane compounds" *Inorg. Chem. Comm.* **2002**, 5, 1069-1072.

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Impact factor quartile: Q1

Articles in Refereed National Journals

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Books - Contribution to Encyclopedia Keywords

B. Cornils, W.A. Hermann, M. Muhler, C.-H. Wong, in *Catalysis from A to Z: A Concise Encyclopedia*, Wiley-VCH, 3rd ed., Weinheim, **2007**.

Oral Presentations in Scientific Meetings – chronological

1. Abrantes, M.; Gonçalves, I. S.; Romão, C. C.; Valente, A. (2001). Organometallic oxides of Sn and Mo in Olefin Epoxidation. COST D12-Meeting: Olefins as Feedstocks for Fine Chemicals: Towards Highly Selective Catalytic Olefin Conversions. Estrasburgo.

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3. Abrantes, M; Santos, A. M.; Mink, J.; Kühn, F.E.; Romão, C.C. (2003). (η^5-C_5R_5)Chlorodioxomolybdenum(VI)complexes (R=H,CH_3,CH_2Ph): Synthesis and Use as Olefin Epoxidation Catalysts. 7th FIGIPAS, International Meeting in Inorganic Chemistry. Lisboa.
4. Kühn, F. E; Zhao, J.; Abrantes, M; Sun, W.; Afonso, C. A. M.; Branco, L. C.; Gonçalves, I. S.; Pillinger, M.; Romão, C. C. (2005). Catalytic Olefin Epoxidation with Cyclopentadienyl Molybdenum Complexes in Room Temperature Ionic Liquids. VI Conferência de Química Inorgânica. Funchal.
5. Abrantes, M.; Almeida Paz, F.A.; Valente, A.A.; Pereira, C.C.L.; Gago, S.; Rodrigues, A.E.; Klinowski, J.; Pillinger, M.; Gonçalves, I.S. (2009) Amino Acid-Functionalized $CpMo(CO)_3Me$ Complex and its Use in Catalytic Olefin Epoxidation. 10th FIGIPAS International Meeting in Inorganic Chemistry. Palermo.
6. Abrantes, M.; Amarantes, T.R.; Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Margiolaki, I.; Rodrigues, A.E.; Pillinger, M.; Valente, A.A.; Gonçalves, I.S. (2010) Synthesis, Structure, and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum VI Oxide/Bipyridine Hybrid Material. COGICO-9. Florence.
7. Abrantes, M.; Amarantes, T.R.; Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Margiolaki, I.; Rodrigues, A.E.; Pillinger, M.; Valente, A.A.; Gonçalves, I.S. (2011) Synthesis, Structure, and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum VI Oxide/Bipyridine Hybrid Material. XXII Encontro Nacional da SPQ. Braga.
8. Abrantes, M.; Gonçalves, I. S.; Pillinger, M.; Vurchio, C.; Cordero, F.M.; Brandi, A. (2012) Molybdenum Oxide/Bipyridine Hybrid Material $\{[MoO_3(bipy)][MoO_3(H_2O)]\}_n$ as Catalyst for the Oxidation of Secondary Amines to Nitrones. XXV International Conference on Organometallic Chemistry. Lisbon.

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1. Abrantes, M. (2008). New Catalysts for the Synthesis of High Value Added Epoxides. ITQB Alumni Seminars, Instituto de Tecnologia Química e Biológica. Oeiras. Portugal.
2. Abrantes, M. (2010). Oxo complexos de Molibdénio(VI):Catalisadores versáteis para epoxidação. Ciclo de Conferências 2010 do Centro de Química de Évora. Évora. Portugal.

Posters in Scientific Meetings – chronological

1. Abrantes, M.; Gonçalves, I. S.; Romão, C. C.; Valente, A. (2001). Organometallic oxides of Sn and Mo as oxidation catalysts. 3rd International School of Organometallics. Camerino.
2. Abrantes, M.; Valente, A.; Pillinger, M.; Gonçalves, I. S.; Romão, C. C.(2002). Organotin-Oxometalate Coordination Polymers as Catalysts for the Epoxidation of Olefins. XVIII Encontro Nacional da Sociedade Portuguesa de Química. Aveiro.
3. Abrantes, M.; Valente, A.; Pillinger, M.; Gonçalves, I. S.; Romão, C. C.(2002). Organotin-Oxometalate Coordination Polymers as Catalysts for the epoxidation of Olefins. XXXVth International Conference on Coordination Chemistry. Heidelberg.
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5. Petrovski, Z.; Abrantes, M.; Gonçalves, I. S.; Royo, B.; Romão, C. C. (2003) Investigation of reactivity of some novel 1,4,7-triazacyclononane and 1,1,1-tris(aminomethyl)ethane complexes in catalysis of alkene epoxidation. FECHEM Conference on Organometallic Chemistry. Zurique.
6. Abrantes, M.; Brito Palma, F.M.S.; Pedras, B.; Quintino, D.; Romão, C. C.(2004). Preparação de N-Óxidos por Oxidação Directa de Piridinas. Congresso da Sociedade Portuguesa de Química. Coimbra.
7. Lourenço, T.; Abrantes, M.; Romão, C. C. (2005). Organometallic Oxides of Molybdenum as Catalysts for Sulfone Synthesis. VI Conferência de Química Inorgânica. Funchal.
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10. Abrantes, M.; Balula, M.S.; Valente, A.A.; Paz, F.A.A.; Pillinger, M.; Romão, C.C.; Rocha, J.; Gonçalves, I.S. (2006). Oxidation of olefins and alcohols with polymeric organotin vanadate catalysts. XX Encontro Nacional da SPQ, FCT/UNL. Monte da Caparica.
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12. Abrantes, M.; Valente, A.A.; Pillinger, M.; Romão, C.C.; Gonçalves, I.S. (2008) Synthesis, characterization and catalytic application of a chiral menthyldimethyltin molybdate. XXI Encontro Nacional da SPQ. Porto.
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17. Abrantes, M.; Neves, P., Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Rodrigues, A.E.; Pillinger, M.; Gonçalves, I.S.; Silva, C.M.; Valente, A.A. (2010) Microwave-Assisted Molybdenum-Catalysed Epoxidation of Olefins. Cost D-40 Meeting: Innovative Catalysis: New Processes and Selectivities. Ankara.
18. Amarantes, T.R.; Abrantes, M.; Almeida Paz, F.A.; Gonçalves, I.S. (2011) Synthesis and Structure of Mo^{VI} Oxide Polynuclear Complexes for Potenttial Catalytic Applications in Olefin Epoxidation. VIII Jornadas do CICECO. Aveiro.
19. Amarantes, T.R.; Abrantes, M.; Almeida Paz, F.A.; Gonçalves, I.S. (2011) Synthesis and Structure of Mo^{VI} Oxide Polynuclear Complexes for Potential Catalytic Applications in Olefin Epoxidation. XXII Encontro Nacional da SPQ. Braga.
20. Amarantes, T.R.; Abrantes, M.; Almeida Paz, F.A.; Gonçalves, I.S. (2011) Molybdenum Oxide/Bypiridine Hybrid Materials: Synthesis, Structure and Catalytic Studies. XXII Congress and General Assembly of the International Union of Crystallography. Madrid.
21. Amarantes, T.R.; Abrantes, M.; Antunes, M.M.; Gago, S.; Valente, A.A.; Gonçalves, I.S. (2011) Synthesis, Structure and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum Oxide/Bipyridine Hybrid Material. European Congress on Advanced Materials and Processes. Montpellier.
22. Amarantes, T.R.; Abrantes, M.; Antunes, M.M.; Gago, S.; Almeida Paz, F.A.; Pillinger, M.; Valente, A.A.; Gonçalves, I.S. (2012) Molybdenum Oxide/Bypiridine Hybrid Materials: Synthesis, Structure and Catalytic Studies. 1st Meeting of Synchrotron Radiation Users from Portugal. Caparica.

23. Tomé, C.; Abrantes, M.; Bruno, S.M.; Pillinger, M.; Gonçalves, I.S.; Valente, A.A. (2012) Indenyl Molybdenum(II) Tricarbonyl Complex as a Catalyst Precursor for Selective Epoxidation of DL-limonene. IX CICECO Meeting. Aveiro.
24. P. Neves, P.; Amarante, T. R.; Tomé, C.; Abrantes, M.; Almeida Paz, F.A.; Pillinger, M.; Gonçalves, I.S.; Valente, A.A. (2012) Catalytic Epoxidation of Bio-derived Olefins in the Presence of an Octanuclear Molybdenum(VI) Complex. XXV International Conference on Organometallic Chemistry. Lisbon.
25. Tomé, C.; Abrantes, M.; Bruno, S.M.; Pillinger, M.; Gonçalves, I.S.; Valente, A.A. (2012) Indenyl Molybdenum(II) Tricarbonyl Complex as a Catalyst Precursor for Selective Epoxidation of DL-limonene. XXV International Conference on Organometallic Chemistry. Lisbon.
26. Bruno, S.M.; Pillinger, M.; Gonçalves, I.S.; Valente, A.A.; Abrantes, M.; Tomé, C.; (2012) Indenyl molybdenum(II) tricarbonyl complex as a catalyst precursor for selective epoxidation of DL-limonene. 15th International Congress on Catalysis 2012. Munich.
27. Gomes, A. C.; Bruno, S. M.; Gamelas, C. A.; Valente, A. A.; Abrantes, M.; Gonçalves, I. S.; Romão, C. C.; Pillinger, M. (2014) Intercalation of a molybdenum η^3-allyl dicarbonyl complex in a layered double hydroxide and catalytic performance in olefin epoxidation. 10ª Conferência de Química Inorgânica da SPQ. Caparica.

ii) Coordination and participation in scientific projects

Funded Scientific Projects

2007 Principal Researcher in Project PTDC/QUI/65247/2006 awarded by Fundação para a Ciência e Tecnologia (Portuguese Science Foundation); Main Research Area: Chemistry

Title: Synthesis of high value epoxides mediated by cyclopentadienyl molybdenum catalysts optimized by parallel synthesis

Total funding: 75400 Euros; Value transferred to IST: 70 693.72 Euros; Duration: 2008-2011

Team: Coordinator, Post-doc fellow, and junior research fellow.

Participation in Scientific Networks

2008-2011 Member of the Management Committee of Action COST D40 - Innovative Catalysis: New Processes and Selectivities.

iii) Accompaniment and orientation of students, trainees and research fellows:

Supervision of Master Thesis

2015 Title: Estudo de um sistema de armazenamento térmico com transição de fase

Pedro Daniel Resende e Silva

Thesis done in collaboration with the industrial partner Cofely - GDF Suez (http://www.cofely-gdfsuez.pt/)

Role: Co-supervisor; Supervisor: Professor Maria Amélia Nortadas Duarte de Almeida Lemos

External supervisor (from Cofely - GDF Suez/ClimaEspaço): Miguel Marques da Silva

Student Supervision with Funding

Illakia Sireetharan	Bsc student	Summer 2011	Programa Atlântico (Exchange Program Universitè Pierre e Marie Curie, Paris)
Carine Tuong	Bsc student	Summer 2011	Programa Atlântico (Exchange Program Universitè Pierre e Marie Curie, Paris)
Shardene Mbenoun	Bsc student	Summer 2012	Programa Atlântico (Exchange Program Universitè Pierre e Marie Curie, Paris)
Cátia Tomé	PhD student	April 2011-September 2012	FCT project fellowship FCT fellowship SFRH/BD/90289/2012
Ana Costa Gomes	Pos-doc fellow	Sept. 2011-Dez. 2011	FCT project fellowship
Irene Tosi	Master student	March 2013-Aug. 2013	Erasmus master student
Patrique Nunes	Research fellow	Dec. 2013- Ago. 2014	Strategic funding (PEst) fellowship

Long Term Funded Student Supervision

2012 Supervisor of Cátia Martin Tomé in PhD fellowship SFRH/BD/90289/2012.

Co-supervisor: Prof. Isabel Gonçalves, Univ. Aveiro. Main Research Area: Chemistry

Title: Molybdenum Oxide Based Hybrids for the Synthesis of High Value Added Molecule

Participation in Thesis Comities - chronological

Dec. 2009: Master Thesis, “Design de Novos Catalisadores Oxometálicos”, Tatiana Ribau Amarante, Departamento de Engenharia Cerâmica e do Vidro, Universidade de Aveiro.

Oct. 2010: PhD Thesis, “Novos Sistemas Catalíticos Baseados em Óxidos de Metais de Transição”, Ana Catarina Dias Martins Coelho, Departamento de Engenharia Cerâmica e do Vidro, Universidade de Aveiro.

Feb. 2011: PhD Thesis, “Catalisadores ou precursores de espécies activas à base de molibdénio”, Patrícia dos Santos Neves, Departamento de Engenharia Cerâmica e

do Vidro, Universidade de Aveiro.

June 2013 PhD Thesis, “Design de compostos oxometálicos e estudo das suas propriedades catalíticas em reacções de oxidação”, Sónia Mafalda Ferreira Figueiredo, Departamento de Química e Farmácia, Universidade do Algarve.

Dec. 2013 PhD Thesis, “Novos materiais híbridos de molibdénio”, Tatiana Ribau Amarante, Departamento de Química e Farmácia, Universidade de Aveiro.