

Curriculum Vitae



1. Personal data

Full Name

Maria Teresa Varanda Cidade

Name under which you publish

Maria Teresa Cidade

Birth date

01-06-1959

National of

Portugal

Work address

Faculdade de Ciências e Tecnologia da UNL
Departamento de Ciência dos Materiais - Campus da Caparica
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2. Academic degrees

Year: 2006

Degree: AGREGAÇÃO (Habilitation)

Final grade: Aprovada (Approved)

Degree granting institution Universidade Nova de Lisboa

School/College/Campus Faculdade de Ciências e Tecnologia

Thesis title n/a

Scientific área: Engenharia de Polímeros (Polymer Engineering)

Year: 1994

Degree: DOUTORAMENTO (PhD)

Final grade: Aprovada com Louvor e Distinção (Approved with Praise and Distinction)

Degree granting institution Universidade Nova de Lisboa

School/College/Campus Faculdade de Ciências e Tecnologia

Thesis title Synthesis, Characterization and Rheological Properties of Thermotropic Liquid Crystalline Polymers

Supervisor: Assis Farinha Martins

Scientific area Materiais Poliméricos e Mesomorfos (Polymeric and Mesomorphic Materials)

Year: 1987

Degree: Provas de Aptidão Pedagógica e Capacidade Científica (Master Thesis Equivalent)

Final grade: Aprovada com Muito Bom (Approved with VERY GOOD)

Degree granting institution Universidade Nova de Lisboa

School/College/Campus Faculdade de Ciências e Tecnologia

Thesis title Rheological Properties of Main Chain Thermotropic Nematic Polymers

Supervisor: Assis Farinha Martins

Scientific area Materiais Poliméricos e Mesomorfos (Polymeric and Mesomorphic Materials)

Number of curricular years 2

Year: 1983

Degree: LICENCIATURA

Final grade: 14/20

Degree granting institution Universidade Técnica de Lisboa

School/College/Campus Instituto Superior Técnico

Scientific area Engenharia Química (Chemical Engineering)

Number of curricular years 5

Program title Chemical Engineering

3. Previous activity and current status

Período

Cargo, categoria ou actividade

Instituição

19-12-2006 - present	Professora Auxiliar com Agregação, de Nomeação Definitiva (Assistant Professor with Habilitation)	Faculdade de Ciências e Tecnologia da UNL - Departamento de Ciência dos Materiais
13-12-1999 - 18-12-2006	Professora Auxiliar de Nomeação Definitiva (Assistant Professor with Definitive Appointment)	Faculdade de Ciências e Tecnologia da UNL - Departamento de Ciência dos Materiais
13-12-1994 - 12-12-1999	Professora Auxiliar (Assistant Professor)	Faculdade de Ciências e Tecnologia da UNL - Departamento de Ciência dos Materiais
11-5-1987 - 12-12-1994	Assistente (Assistant)	Faculdade de Ciências e Tecnologia da UNL - Departamento de Ciência dos Materiais
01-7-1985 - 10-5-1987	Assistente Estagiária (Stagiary Assistant)	Faculdade de Ciências e Tecnologia da UNL - Departamento de Ciência dos Materiais
02-4-1985 - 30-6-1985	Assistente Estagiária (Stagiary Assistant)	Instituto Superior Técnico da UTL - Departamento de Engenharia Química
01-10-1984 - 01-4-1985	Professora do 3º Ciclo do Ensino Básico (High School Teacher)	Escola Secundária da Amora
01-11-1983 - 31-7-1984	Docente do 3º Ciclo do Ensino Básico (High School Teacher)	Escola Secundária do Feijó

4. Area of scientific activity

Materials Science and Engineering - Polymeric and Mesomorphic Materials

5. Present research interest

Domain of specialization

Polymeric and Mesomorphic Materials. Complex fluids

Current research interests

Rheology (including rheo-optics and electrorheology) of complex fluids, namely liquid crystals, polymeric materials, polymer based composites, biomaterials and construction materials. Other characterization (namely mechanical) of polymeric materials and polymer based composites.

Electrorheological Fluids. Biopolymers

Other professional interests/activities

Synthesis and processing of polymers

6. Experience as scientific adviser

Supervision of two post-doctoral students:

Ana Paula Rocha Duarte, " Synthesis and Characterization of novel functional polymers for surgical adhesives" FCT grant SFRH/BPD/66551/2009 (Univ. Coimbra)

Co-supervisor

Luís Gonçalo Correia Baltazar, "Nanoparticles on natural hydraulic lime grouts", FCT grant SFRH/BPD/108427/2015. (FCT/UNL)

Co-supervisor

Supervision of six PhD students:

Pedro Lúcio Marques Mendes de Almeida, started by the end of 1998, ended in April 2004 (FCT/UNL).

(Title: New Materials for the Building of an Intelligent Windows Based on Cellulosic Derivatives; field: Materials Science) (in collaboration with J. Figueirinhas, from Technical University of Lisbon, IST/UTL)

Susana Andrea Lopes Filipe, started in 2001, ended in May 2005 (Univ of Minho).

(Title: Preparation, Characterisation and Optimization of Thermoplastic/LCP (liquid crystalline polymer) blends; field: Materials Science) (in collaboration with J. Maia, from Universidade do Minho)

Ana Paula da Rocha Duarte, started in September 2001, ended in December 2009 (FCT/UNL).

(Title: Preparation and Characterization of inverse osmosis membranes; field: Materials Science) (in collaboration with J.C. Bordado, from Technical University of Lisbon, IST/UTL)

Stéphanie Christelle Marinho Soares, started January 2015 (FEUP and FCT/UNL).

(Title: Injectable hydrogels based in stimulate-responsive polymers for tissue repair)

(in collaboration with Maria Ascensão Lopes, FEUP)

Ana Gabriela Barroso de Azevedo, started January 2015 (Univ. Minho and FGCT/UNL).

(Title: Novel Micro and Nano TPE/LCP composites)

(in collaboration with José Covas, Univ. Minho)

Andreia Filipa Morgado Furtado, started February 2016 (FCT/UNL)

(Title: Desenvolvimento de padrões de referência não Newtonianos: a importância da massa volúmica e da viscosidade)

Co-supervision of a PhD Student

Luís Gonçalo Correia Baltazar, started in 2010, ended in May 2014 (FCT/UNL)

(Title: Rheology of injection grouts for masonry consolidation. Supervisor: Fernando Henriques)

Supervision of 13 Master students

Supervision of tens of graduation works

7. Participation in R&D projects

As coordinator or co-coordinator

- EU-FEDER/PRAXIS XXI /3/3.1/CEG/2620/95, "New Materials for the building of intelligent windows from cellulose derivatives".

Period: 1997-2003 (1st + 2nd phase)

Partners: Univ. Nova de Lisboa and Univ. Técnica de Lisboa

Co-coordinator

- POCTI/CTM/32658/99, "Preparation, Characterisation and Optimization of Thermoplastic/LCP Blends".

Period: 2001-2004

Partners: Univ. Nova de Lisboa, Universidade do Minho and Univ. Técnica de Lisboa

Coordinator

- GRICES, Bilateral Cooperation Portugal/India; project Proc.. 4.13 India, "Studies of Blends of Liquid Crystalline Polymers and Engineering Thermoplastics"

Period: 2003-2006

Partners: FCT/UNL, RRL – Regional Research Laboratory, Trivandrum, Índia

Coordinator of the portuguese team.

As team member

- JNICT/PMCT/C/MPF/502/90, "Microstructure and Adhesive Properties of Segmented Polyurethanes".

Period: 1990-1994

Partners- Universidade do Porto - FE, Univ. Técnica de Lisboa- IST, Univ. Nova de Lisboa - FCT

-JNICT/PMCT/C/CEN/662/90, "Development of a new technique and an apparatus to measure the viscoelastic properties of nematic liquid crystalline polymers" .

Period: 1990-1994

Partners: Institute of Physics and Mathematics - CFMC, Univ. Nova de Lisboa - FCT

- JNICT/PBIC/C/CTM/1400/92, "Development of pressure and temperature sensors from novel cellulose derivatives with thermochromic properties".

Period: 1992-1996

Partners: Univ. Nova de Lisboa - FCT, Univ. Técnica de Lisboa

- EU-HCM Network/ERB-CHRX-CT93-0282, "Organization and Dynamics of Molecules in ordered Phases: Integration of Experiments, Theoretical Models and Simulations".

Period: 1993-1997

Partners: Universities of Bologna, Bristol, Firenze, Nova de Lisboa, Pádova, Sevilha, Southampton, Stuttgart and Utrecht.

- EU-BRITE EURAM BE-7259-93; (Contrato BRE2-CT94-0930), "Reactive Blending of Liquid Crystalline Polymers and/or Thermosets Precursors with PET and Epoxy Based Resins".

Period: 1994-1997

Partners: M&G Ricerche (Italy), Hoechst Portuguesa (Portugal), TNO (Holande), Univ. Nápoles (Italy) and Univ. Nova de Lisboa - FCT (in this project I have assisted the coordinator in the organization and coordination of the different tasks, acting as a co-coordinator).

- EU-TMR Network ERB-4061-PL95-0045, "Rheology of liquid crystalline materials: flow-structure relationships at local and mesoscopic scales studied by novel experimental and theoretical techniques".

Period: 1996-2002

Partners: CRPP, ARMINES, Univ. Leuven, Univ. Freiburg, Univ. Montpellier, Univ. Nova de Lisboa, Univ. Nápoles, Univ. Technology of Chalmers .

- EU-FEDER/PRAXIS XXI/2/2.1/MAT/380-94, "Mathematical analysis and numerical simulation of models of non-Newtonian Fluids with applications in the technology of liquid crystalline polymers". Period: 1996-2003 (1ª + 2ª fases)

Partners: Univ. Técnica de Lisboa - IST and Univ. Nova de Lisboa - FCT.

- EU-TMR Network/ERB-4061-PL97-0709, "Molecular Design of Functional Liquid Crystals".

Period: 1997- 2002

Partners: Universities of Bologna, Freiburg, Hull, Nova de Lisboa, Pádova, Patras, Southampton, Strasbourg e Zaragoza.

- EU-FEDER/PRAXIS XXI /3/3.2/PAPEL/2329-95, "Development of Novel Packaging Materilas Derived from Cellulose".

Period: 1997-2003 (1st + 2nd phases)

Partners: Univ. Nova de Lisboa - FCT, Univ. Técnica de Lisboa and Univ. Beira Interior

- POCTI/CTM/61293/2004, "Stability of the Flow and Viscoelastic Properties of Liquid Crystalline Polymers"

Period: 2005-2008 (1st phase), 2007-2009 (2ª2nd phase)

Partners: Univ. Nova de Lisboa - FCT and Univ. do Minho

- PTDC/ECM/104376/2008, "Advanced Grouts for Masonry Consolidation".

Period: 2010-2012

Partners: Universidade Nova de Lisboa - FCT

- PTDC/ECM/100538/2008, "Durability of structures (RC and FRP in aggressive environment) - DUST".

Period: 2010-2012

Partners: Universidade Nova de Lisboa - FCT

- PTDC/EMS-ENE/0578/2014, "Service life of key components for solar thermal energy applications".

Period: 1/2016-12/2018

Partners: Laboratório Nacional de Engenharia e geologia - IP, Universidade Nova de Lisboa - FCT, HEMPELPortugal

- POCI-01-0145-FEDER-016414, "Additive manufacturing based hybrid processes for long or continuous fiber reinforced polymeric matrix composites"

Period: 2016-2019

Partners: INEGI - Instituto de Ciência e Inovação em Engenharia Mecânica e Engenharia Industrial, Universidade do Minho, Universidade Nova de Lisboa - FCT, IDMEC - Instituto de Engenharia Mecânica, Nova.ID-FCT - Associação para a Inovação e Desenvolvimento da FCT, Universidade de Aveiro.

- PT2020_ PIC3D_150316 "Production of Ceramic Implants based on 3D Zirconia"

Período: 2016-2019

Parceiros: INNOVNANO - MATERIAIS AVANÇADOS, S.A., Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

8. Prizes and awards received

Year

Name of the prize or award

Promoting entity

2015

Vice -Chair of Ibereo 2015 - Challenges in rheology and product development
Portuguese Society of Rheology and Spanish Group of Rheology

2013

Coordinator, from FCT/UNL, of the "FCT-PHD Program in Advanced Materials and Processing" (Program in Association of 7 Universities) (2013-present) and General Coordinator of the 1st Edition (2013-14).

FCT/UNL

2014

Research Excellence Grant (Contract No ENG59 REG2)
EURAMET - European Association of National Metrology Institutes

2009

Coordinator of the PhD (3rd Cycle) in Materials Science and Engineering of the Faculty of Sciences and Technology- New University of Lisbon (2009-present)

FCT/UNL

2013

Editor of e-rheo.iba, the online journal of Portuguese, Brazilian and Mexican Societies of Rheology and Spanish Group of Rheology (release in April 2013)

Portuguese, Brazilian and Mexican Societies of Rheology and Spanish Group of Rheology
2003
Chairperson of 6th Ibero-American Workshop on Complex Fluids and their Applications
Ibero-American Committee of Liquid Crystals
2012
Chairperson of "Jornadas Nacionais de Caracterização de Materiais" (Characterization Materials
National Meeting)
Paralab
2011
Chairperson of Ibereo 2011 - Rheology Trends: from nano to macro systems
Portuguese Society of Rheology and Spanish Group of Rheology
2010
President of the Portuguese Society of Rheology (SPR) (2010-present)
SPR
2012
Editor of Physica Scripta (published by the IOP on behalf of the Royal Swedish Academy of
Sciences) (since 2012)
Physica Scripta and IOP

9. Published works

Thesis

M.T. Cidade, "Síntese, Caracterização e Propriedades Reológicas de Polímeros Líquido-Cristalinos Termotrópicos" (Synthesis, Characterization and Rheological Properties of Thermotropic Liquid Crystalline Polymers), PhD Thesis, Lisboa, Portugal, 1994

Books (Editor)

Rheology Trends: from nano to macro systems", M.T. Cidade, I.M.N. Sousa e J.M. Franco (Eds.), ISA Press and SPR, 2010. – Proceedings of the Iberian Meeting of Rheology, Ibereo 2011.

Book of Abstracts of the "6th Ibero-American Workshop on Complex Fluids and Their Applications", Lisbon, Portugal, 2003

Book chapters

"Biomimetic Adhesives", A.P.Duarte, J.F.J.Coelho, M.T.Cidade, and J.C.Bordado, 2º capítulo do livro Focus on Biomimetics Research, pp 43-66, Nova Publishers, NY, 2012.

"Performance improvement of hydraulic lime based grouts for masonry consolidation: An experimental study", Baltazar, L.G. and Henriques, F.M.A. and Jorne, F. and Cidade em Structural Studies, Repairs and Maintenance of Heritage Architecture XIII, WIT Transactions on the Built Environment, C.A. Brebbia (Ed.), pp 417-430, Southampton, UK, 2013.

"Evaluation of Different Methods for the Estimation of the Bitumen Fatigue Life with DSR Testing", Pereira, A; Micaelo, R ; Quaresma, L; Cidade, MT, em RILEM Bookseries, vol. 2, Canestrari, F e Partl, MN (Eds), pp 1017-1028, SPRINGER (Netherlands) 2016.

Articles in journals of international circulation with scientific arbitration

Papers related with the main scientific research area (Rheology)

R. Gallego, T. Cidade, R. Sánchez, C. Valencia, J.M. Franco, "Tribological behaviour of novel chemically modified biopolymer-thickened lubricating greases investigated in a steel-steel rotating ball-on-three plates tribology cell", Tribology International, 94, 652-660, 2016.

L. Baltazar, F.M.A.. Henriques, F. Jorne, M.T. Cidade, "Contribution to the design of hydraulic lime-based grouts for masonry consolidation", Journal of Civil Engineering and Management, 21, 698-709, 2015.

A. Pereira, R. Micaelo, L. Quaresma e M.T. Cidade, "Fatigue resistance of asphalt binders: Assessment of the analysis methods in strain-controlled tests", Construction and Building Materials, 98, 703-712, 2015.

João Avó, M. T. Cidade, Vincent Rodriguez, João C. Lima, A. Jorge Parola, "Photorheological Ionic Liquids", *The Journal of Physical Chemistry*, 119, 22, 698-709, 2015 (DOI: 10.1021/acs.jpcc.5b00254)

Baltazar, L., Henriques, F., and Cidade, M. (2015). "Experimental Study and Modeling of Rheological and Mechanical Properties of NHL Grouts." *J. Mater. Civ. Eng.*, 27, paper 04015055, 2015.

T.Brehm, G.Pereira, C.R. Leal, C.Gonçalves, J.P.Borges, M.T. Cidade, "Electrorheological characterization of dispersions in silicone oil of encapsulated liquid crystal 4-n-pentyl-4'-Cyanobiphenyl in polyvinyl alcohol and in silica ", *Physica Scripta*, 90, paper 035802, 2015.

P. Patrício, P.L. Almeida, R. Portela, R.G. Sobral, I.R. Grilo, T. Cidade and C.R. Leal, "Living Bacteria Rheology: population growth, aggregation patterns and cooperative behavior under different shear flows", *Physical review. E, Statistical, nonlinear, and soft matter physics* 08/2014; 90(2-1):022720.

S. Goswami, T. Brehm, S. Filonovitch, M.T. Cidade, "Electrorheological properties of polyaniline-vanadium oxide nanostructures suspended in silicone oil", *Smart Mater. Struct.* 23, paper no. 105012 2014.

L. Baltazar, F.M.A.. Henriques, F. Jorne, M.T. Cidade, "Combined effect of superplasticizer, silica fume and temperature in the performance of natural hydraulic lime grouts", *Construction & Building Materials*,50, 584-597, 2014.

A. Brás, F.M.A. Henriques and M.T. Cidade, "Effect of temperature and fly ash addition in hydraulic lime grout behaviour-shear and time dependence", *Mechanics of Time-Dependent Materials*, 17, 223-242, 2013.

R. Portela, P.L. Almeida, P. Patrício, M.T. Cidade, R.G. Sobral and C.R. Leal, "Real time rheology of actively growing bacteria", *Phys. Rev. E.*, 83, 030701(R), 2013.

L. Baltazar, F.M.A.. Henriques, F. Jorne, M.T. Cidade, "The use of rheology in the study of the composition effects on the fresh behaviour of hydraulic lime grouts for injection of masonry walls", *Rheologica Acta*, 52, 127-138, 2013.

M.T. Cidade, M. Fernández, S. Filipe, A. Santamaria, "PVT and oscillatory tests to analyze pressure effects on polypropylene/Rodrun LC3000 blends: Determination of the pressure dependency of the Viscosity, *Polymer Testing*, 31, 290-296, 2012.

M.T. Cidade, G. Pereira, A. Bubnov, V. Hamplova, M. Kaspar, and J.P. Casquilho "Rheological characterization of non-chiral liquid crystalline diol: effect of electric field", *Liquid Crystals, Liquid Crystals*, 39, 191-197, 2012.

M.T. Cidade, M. Fernández, A. Santamaria, "PVT results and pressure dependency of the viscosity of three liquid crystalline cellulose derivatives", *Liquid Crystals*, 39, 115-120, 2012.

P. Patrício, C.R. Leal, L.F.V. Pinto, A. Boto, M.T. Cidade, "Electrorheology study of a series of LC cyanobiphenyls: experimental and theoretical treatment", *Liquid Crystals*, 39, 25-37, 2012.

M.T. Cidade, C.R. Leal and P. Patrício, "Electrorheological study of the nematic LC 4-n-heptyl-4'-cyanobiphenyl: experimental and theoretical treatment", *Liq. Crystals*, 37, 1305-1311, 2010

A. Brás, F.M.A. Henriques and M.T. Cidade, "Effect of environmental temperature and fly ash addition in hydraulic lime grout behaviour", *Construction and Building Materials*, 24, 1511-1517, 2010.

M.T. Cidade, S. Filipe, V. Barroso, M. Wilhelm, "Experimental Results on Fourier Transform Rheology of PBLG/m-cresol and HPC/Water Liquid Crystalline Solutions *Mol. Cryst. Liq. Cryst.*, 495, 247, 2008

M. T. Cidade, A.R. Menon, C.R. Leal, C.K.S. Pillai, "Experimental Results on the Rheological and Rheo-Optical Behaviour of PET/Liquid Crystalline Polymer Blends", *Journal of Applied Polymer Science*, 107, 1280 – 1289, 2008

S. Filipe, J.M. Maia, C.R. Leal, M.T. Cidade, "Influence of processing conditions on the morphological and mechanical properties of compatibilized Rodrun LC3000/PP blends", *Journal of Applied Polymer Science*, 105, 1521 – 1532, 2007.

S. Filipe, J. M. Maia, C. R. Leal, A. R. R. Menon, A. Duarte, M. T. Cidade "Optimisation of Rodrun LC3000/PP compatibilised blends: Influence of the compatibiliser and LCP contents on the rheological, morphological and mechanical properties" , *Journal of Polymer Engineering*, 26, 511-545, 2006

S. Filipe, M. T. Cidade, J. M. Maia, "Uniaxial extensional flow behavior of immiscible and compatibilised polypropylene/liquid crystalline polymer blends" , *Rheologica Acta*, 45, 281-289, 2006.

S. Filipe, M.T. Cidade , M. Wilhelm and J. Maia, "Evolution of Morphological and Rheological properties Along The Extruder Length for Compatibilized Blends of a Commercial Liquid Crystalline Polymer and Polypropylene".

J. Appl. Polym. Sci., 99, 347-359,2006

S. Filipe, J. M. Maia , C. R. Leal, M. T. Cidade, "A study of Rodrun LC3000/PP blends under different stationary and non-stationary shear conditions: the influence of LCP content and processing temperature", *J. Polym. Eng.*, 25, 527-552, 2005

Susana Filipe, João M. Maia, Ana Duarte, Catarina R. Leal, Maria T. Cidade, "Influence of type of compatibilizer on the rheological and mechanical behavior of LCP/TP blends under different stationary and non-stationary shear conditions", *J. Appl. Polym. Sci.*, 98, 694-703, 2005

S. Filipe, J. M. Maia, M. T. Cidade, "PP/LCP Blends: Influence of the LCP Content on the Mechanical, Rheological and Morphological Properties", *Materials Science Forum* , vol 455-456, pp 476-479, 2004

S. Filipe, M. T. Cidade, M. Wilhelm, J. M. Maia, , "Evolution of morphological and rheological properties along the extruder length for blends of a commercial liquid crystalline polymer and polypropylene" *Polymer*, 45, 2367-2380, 2004.

M.T. Cidade and C.R. Leal, "Rheological Properties of Lyotropic Solutions of Acetoxypylcellulose in Dimethylacetamide. It's Comparision with the Thermotropic Case", *Mol. Cryst. Liq. Cryst.*, 404, 95-105, 2003.

M.T. Cidade, C.R. Leal, M.H. Godinho and P. Navard, "Temperature Dependence of the Rheological Properties of Acetoxypylcellulose in the Thermotropic Chiral Nematic Phase", *Mol. Cryst. Liq. Cryst.*, 348, 27-39, 2000.

P. Harrison, P. Navard and M.T. Cidade, "Investigation into Band Texture Occuring in Liquid Crystal Polymers", *Rheologica Acta*, 38, 594-605, 1999.

J. B. Riti, M. T. Cidade, M. H. Godinho, A. F. Martins and P. Navard, "Shear Induced Textures of Thermotropic Acetoxypylcellulose", *J. Rheology*, 41, 1247-1260, 1997.

M. T. Cidade, C. R. Leal, M. H. Godinho, P. Navard and A. F. Martins, "Rheological Properties of Acetoxypylcellulose in the Thermotropic Chiral Nematic Phase", *Molecular Crystal Liquid Crystal*, 261, 617-625, 1995.

Other papers

Joana Marto, Luis Gouveia, Lídia Goncalves, Aida Duarte, Pedro Pinto, Teresa Cidade, Eduardo Oliveira, Antonio Almeida, Helena Ribeiro, "Starch Pickering Emulsion: A Safe Vehicle for Topical Drug Delivery", *Athens Journal of Sciences*, 2, 77-87, 2015.

Manuel A. G. Silva, Maria T. Cidade, Hugo Biscaia, Rui Marreiros, "Composites and FRP Strengthened Beams Subjected To Dry/Wet And Salt Fog Cycles", *Journal of Materials in Civil Engineering* 26(12) paper no. 04014092, 2014.

R. Restani, J. Conde, P.V. Baptista, M.T. Cidade, A-M. Bragança, J. Morgado, I.J. Correia, A. Aguiar-Ricardo, V.D.B. Bonifácio, "Polyurea dendrimer for efficient cytosolic siRNA delivery", *RSC*

ADVANCES, 4 (97), 54872-54878, 2014.

A. M. Ramos, S. Pereira, R. Branquinho, M. T. Cidade, G. Pereira, L. Pereira, R. Martins, E. Fortunato, "Preparation and characterization of cellulose nanocomposite hydrogels as functional electrolytes", *Solid State Ionics* 242, 26-32, 2013

A.P. Duarte, J.F. Coelho, J.C. Bordado, M.T. Cidade, M.H. Gil "Surgical adhesives: Systematic review of the main types and development forecast", *Prog Polym Sci*, 37, 1031-1050, 2012.

Eunice Costa, Jorge de-Carvalho, Teresa Casimiro, Cláudia Lobato da Silva, Maria Teresa Cidade and Ana Aguiar-Ricardo, "Tailoring thermoresponsive microbeads in supercritical carbon dioxide for biomedical applications", *The Journal of Supercritical Fluids*, 56, 292-298, 2011.

A.P. Duarte, J.C. Bordado and M.T.Cidade, "Influence to the Performance of Cellulose Acetate Reverse Osmosis Membranes by Fibres Addition", *Journal of Applied Polymer Science*, 109, 2321-2328, 2008.

M.T. Cidade, S. Filipe, A.P. Duarte and J.C.M. Bordado, "Synthesis of Compatibilizers and Characterization of the Compatibilized and non-Compatibilized Blends of PP/Rodrun LC3000", *Journal of Applied Polymer Science*, 104, 3001 – 3009, 2007

A.P. Duarte, M.T. Cidade, J.C. Bordado, "Cellulose Acetate Reverse Osmosis membranes: Optimisation of Preparation Parameters", *Journal of Applied Polymer Science*, 103, 134-139, 2007

A.P. Duarte, M.T. Cidade, J.C. Bordado, "Cellulose Acetate Reverse Osmosis membranes: Optimisation of Composition", *Journal of Applied Polymer Science*, 100, 4052-4058, 2006.

P.L. Almeida, S. Tavares, A.F. Martins, M.H. Godinho, M.T. Cidade and J.L. Figueirinhas, "Cross-Linked Hydroxypropylcellulose Films: Mechanical Behaviour and Electro-Optical Properties of PDLC Type Cells", *Optical Materials*, 20, 97-100, 2002.

P.L. Almeida, G. Lavareda, C.N. Carvalho, A.Amaral, M.H. Godinho, M.T. Cidade, J.L. Figueirinhas, "Flexible cellulose derivative PDLC type cells", *Liquid Crystals*, 29(3), 475-477, 2002.

P.L. Almeida, M.H. Godinho, M.T. Cidade, P.Nunes, A. Marques, R. Martins, E. Fortunato e J.L. Figueirinhas, "Composite Systems for Flexible Display Applications from Cellulose Derivatives", *Synthetic Metals*, 127, 111-114, 2002.

P.L. Almeida, M.T. Cidade, M.H. Godinho, A.C. Ribeiro and J.L. Figueirinhas, "Electro-Optical Properties of Cellulose Based PDLC Type Cells: Dependence on the Type of Diisocyanate Cross-Linking Agent Used", *Molecular Crystal and Liquid Crystal* 368, 121-128, 2001.

P.L. Almeida, M.T. Cidade, M.H. Godinho, A.C. Ribeiro and J.L. Figueirinhas, "Light Scattering Studies in Cellulose Derivative Based PDLC Type Cells", *Molecular Crystal and Liquid Crystal*, *Molecular Crystal and Liquid Crystal*, 359, 79-88, 2001.

P.L. Almeida, M.H. Godinho, M.T. Cidade and J.L. Figueirinhas, "Preliminary Results on UV and High Temperature Exposure Effects on the Electro-Optical Properties of Cellulose Derivatives Based PDLC Type Cells", *Molecular Crystal and Liquid Crystal*, 351, 61-68, 2000.

M. T. Cidade, J. C. M. Bordado, J. Figueirinhas and A. F. Martins, "Synthesis and Characterization of Novel Liquid-Crystalline Polyurethanes", *Liquid Crystals*, 13(2), 295-300, 1993.

M. H. Godinho, J. P. Borges, M. T. Cidade and A. F. Martins, "Preparation and Liquid Crystalline Properties of Toluene-4-Sulphonyl Urethane of Hydroxypropylcellulose", *Liquid Crystals*, 14(3), 653-659, 1993.

Artigos em revistas nacionais com arbitragem científica

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