



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Aikaterini K. ANDREOPOULOU**

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Telephone(s) +302610462357 (home) Mobile: +306972923769  
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E-mail Professional: [andreopo@upatras.gr](mailto:andreopo@upatras.gr), [kandreop@chemistry.upatras.gr](mailto:kandreop@chemistry.upatras.gr); Personal: [kandreop@yahoo.gr](mailto:kandreop@yahoo.gr)

Nationality Greek

Date of birth 11/10/1976

Gender Female



### Occupational field **Researcher / Materials Development, Sustainable Energy Applications**

#### Work experience

Dates	02/2016 – to date
Occupation or position held	Contracted Employee
Main activities and responsibilities	Operation of Nuclear Magnetic Resonance Spectrometers, Gas Phase Chromatographer, Matrix Assisted Laser Desorption Ionization Time Of Flight Mass Spectrometer, Ultra High Performance Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometer. Preparation, samples analysis and reporting.
Name and address of employer	Instrumental Analysis Laboratory Main Facilities of the University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Contracted Analytical Instruments Operator
Dates	03/2019 – to date
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Printed OLEDs for intelligent, efficient & tunable solid-state lighting devices in large scale
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	05/2018 – 3/2019
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Development of organic dyes for large area DSSCs
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	08/2017 – 09/2017
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Resistance to Solvents of Non-Hermetic Components Encapsulation Materials, Literature extended survey on materials and techniques relevant to the project's scopes. Protocol and Evaluation Criteria Development and Assessment.
Name and address of employer	Department of Mechanical Engineering and Aeronautics, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	05/2016 – 06/2017
Occupation or position held	Contracted Researcher

Main activities and responsibilities	Development of semiconducting polymer and hybrid nanomaterials for Organic Photovoltaics; from Small to Semi-Pilot scale – Group leading position, coordination of research and reporting activities, project representative in consortium meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	10/2015 – 04/2016
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Resistance to Solvents of Non-Hermetic Components Encapsulation Materials, Literature extended survey on materials and techniques relevant to the project's scopes. Protocol and Evaluation Criteria Development and Assessment.
Name and address of employer	Department of Mechanical Engineering and Aeronautics, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	10/2014 – 09/2015
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Development of semiconducting and hybrid polymeric materials for photovoltaic applications, Optimization of materials processes and scalability. Group leading position, coordination of research and reporting activities, project representative in consortium meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	04/2014 – 09/2014
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Development of semiconducting polymers with light emitting properties. Inks formulation applicable in printing techniques. Group leading position, coordination of research and reporting activities, project representative in consortium meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	03/2013 – 03/2014
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Development of semiconducting and hybrid polymeric materials for photovoltaic applications. Group leading position, coordination of research and reporting activities, project representative in consortium meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	04/2012 – 02/2013
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Design and development of biodegradable polymeric materials and nanoparticles, as barriers or sensors applicable in food packaging. Coordination of research activities, reporting of project activities and deliverables.
Name and address of employer	Institute of Chemical Engineering Sciences (ICE-HT)/ Foundation for Research and Technology, Hellas (FORTH), Stadiou Str., Platani, GR-26504 Patras, Greece.
Type of business or sector	Academic Institute, Research
Dates	10/2011 – 03/2012
Occupation or position held	Contracted Researcher
Main activities and responsibilities	Design and synthesis of polymeric and hybrid materials for photovoltaic applications. Group leading position, coordination of research and reporting activities, project representative in meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	06/2010 – 09/2011
Occupation or position held	Contracted Researcher

Main activities and responsibilities	Development of polymer electrolytes for high temperature polymer electrolyte membrane fuel cells (HT-PEMFCs) with increased robustness and stability at elevated temperatures even up to 220°C. Reporting of research activities and deliverables, project representative in consortium meetings.
Name and address of employer	Institute of Chemical Engineering Sciences (ICE-HT)/ Foundation for Research and Technology, Hellas (FORTH), Stadiou Str., Platani, GR-26504 Patras, Greece.
Type of business or sector	Academic Institute, Research
Dates	01/2010 – 05/2010
Occupation or position held	Consultant Researcher
Main activities and responsibilities	Research on new polymer electrolyte membranes for hydrogen high temperature polymer electrolyte membrane fuel cells (HT-PEMFCs) operating above 180°C transfer of materials processes to pilot production scale.
Name and address of employer	ADVENT TECHNOLOGIES S.A., Stadiou Str., GR-26504 Platani Patras, Greece
Type of business or sector	Industry
Dates	02/2009 – 09/2009
Occupation or position held	Post Doctoral Researcher
Main activities and responsibilities	Polymer Electrolytes synthesis and membrane extended characterization for applications in high temperature polymer electrolyte membrane fuel cells (HT-PEMFCs) operating on hydrogen.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	05/2008 – 12/2008
Occupation or position held	Post Doctoral Researcher
Main activities and responsibilities	Research on Intermediate and high Specialised Membrane Electrode Assemblies. Reporting of research activities, project representative in consortium meetings.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	04/2007 – 04/2008
Occupation or position held	Post Doctoral Researcher
Main activities and responsibilities	Synthesis and characterization of polymer electrolytes for high temperature polymer electrolyte membrane fuel cells.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research
Dates	11/2006 – 03/2007
Occupation or position held	Post Doctoral Researcher
Main activities and responsibilities	Design and development of polymer hydrogels based on water soluble blocks and metallocomplexes of Ru(II) ions with terpyridine ligands.
Name and address of employer	Department of Chemical Engineering, University of Patras, GR-26504 Rio-Patras, Greece
Type of business or sector	University, Research
Dates	11/2005 – 11/2006
Occupation or position held	Post Doctoral Fellow
Main activities and responsibilities	Dendronized polymers of different chemical and structural architectures using a newly developed single electron transfer living radical polymerization (SET-LRP), synthesis and extended characterization.
Name and address of employer	Department of Chemistry, Roy & Diana Vagelos Laboratories, University of Pennsylvania, Philadelphia PA, USA.
Type of business or sector	University, Research
Dates	11/2004 – 10/2005
Occupation or position held	Post Doctoral Fellow
Main activities and responsibilities	Development of electron donating and accepting polymers for photovoltaic applications.
Name and address of employer	Department of Chemistry, University of Patras, GR-26504 Rio-Patras, Greece.
Type of business or sector	University, Research

Education and training																																									
Dates	2001 – 2004																																								
Title of qualification awarded	Ph.D. in Chemistry																																								
Principal subjects/occupational skills covered	Title: "Syntheses and Characterization of Shape Persistent Macromolecular Systems"																																								
Name and type of organisation providing education and training	Department of Chemistry, University of Patras, Greece																																								
Level in national or international classification	ISCED 8																																								
Dates	1999 – 2001																																								
Title of qualification awarded	M.Sc. in the "Program on Polymer Science and Technology",																																								
Principal subjects/occupational skills covered	Title: "Syntheses of Dendronized Polymers"																																								
Name and type of organisation providing education and training	Department of Chemistry, University of Patras, Greece																																								
Level in national or international classification	ISCED 7																																								
Dates	1994 – 1999																																								
Title of qualification awarded	B.Sc. in Chemistry																																								
Principal subjects/occupational skills covered	Basic principles of inorganic, organic, physical and analytical chemistry, biochemistry, catalysis food chemistry and biotechnology, polymer science, structural and environmental chemistry, chemical industries.																																								
Name and type of organisation providing education and training	Department of Chemistry, University of Patras, Greece																																								
Level in national or international classification	ISCED 6																																								
Personal skills and competences																																									
Mother tongue(s)	<b>Greek</b>																																								
Other language(s)																																									
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C 2</td> <td>Proficient user</td> <td>C 2</td> <td>Proficient user</td> <td>C 2</td> <td>Proficient user</td> <td>C 2</td> <td>Proficient user</td> <td>C 2</td> <td>Proficient user</td> </tr> <tr> <td>B 1</td> <td>Independent user</td> <td>B 1</td> <td>Independent user</td> <td>B 1</td> <td>Independent user</td> <td>B 1</td> <td>Basic user</td> <td>B 1</td> <td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C 2	Proficient user	C 2	Proficient user	C 2	Proficient user	C 2	Proficient user	C 2	Proficient user	B 1	Independent user	B 1	Independent user	B 1	Independent user	B 1	Basic user	B 1	Independent user
Understanding				Speaking				Writing																																	
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B 1	Independent user	B 1	Independent user	B 1	Independent user	B 1	Basic user	B 1	Independent user																																
<b>English</b>																																									
<b>German</b>																																									
Social skills and competences	I have successfully and efficiently worked in many different teams at home and abroad, collaborating with younger and senior scientists. I have the ability to discuss and communicate with people of different cultures and nationalities. I can work simultaneously on different projects and carry out administrative as well as research and development tasks with proven success.																																								
Organisational skills and competences	I can work independently but I can also efficiently collaborate with younger or more experienced colleagues when working in a team. I have provided guidance and trained younger scientists, undergraduate and graduate MSc younger scientists. Ongoing, I have supervised 14 undergraduate, 10 MSc and 6 PhD students. Over the past years that I have been working as a researcher in various institutions, I undertook the task not only to successfully lead the research activities of several research projects but also to perform administrative actions and to prepare and submit reports and deliverables. In most of these European and National projects I have initiated and participated to their preparation and submission actions and I have been the group's representative in projects meetings.																																								

(\*) [Common European Framework of Reference for Languages](#)

Technical skills and competences	<ul style="list-style-type: none"> <li>• Expertise in the research area “Design and development of complex macromolecular architectures and hybrid systems, optimization of processes for scale up preparation of materials”.</li> <li>• Demonstrated expertise in the preparation, writing and submission of academic manuscripts as well as National and European patents.</li> <li>• Project Management and Administration, Dissemination of National and European project results</li> <li>• Advanced knowledge of material science characterization techniques: NMR, FT IR, SEC, DSC, DMA, TGA, UV Vis, PL, CD, X-ray, MALDI-TOF/TOF, UHPLC-ESI/MS-MS.</li> </ul>
Computer skills and competences	<p>Certificate ECDL SV 4 (Word Processing, Spreadsheets, Information- Communication).          Excellent knowledge of Adobe Illustrator, PhotoShop, OriginLab, ChemDraw etc.          Data bases of Web of Science, Scopus, Science Direct, SciFinder Scholar.          Operation of different analytical instruments software packages.</p>
Other skills and competences	Literature, swimming, travelling.
Driving licence	Greek driving license with European use for category of vehicle B.

**Additional information****Distinctions-Awards- Commissions of Trust:**

- Participation in the **Marie-Curie-Training Site “Methods of Polymer Characterization”** HPMT-CT-2000-00015, Max-Planck Institute for Polymer Research, Mainz Germany.
- **L'ORÉAL-UNESCO 2008 Greek Award** for Women in Science, in the Material Science Area.
- Independent Expert acting as an Evaluator and Rapporteur in Stage 1 of the **FP7-NMP-2013-Small-7, NMP-2013-4.0-2 "Innovative materials for efficient, stable and cheap organic photovoltaic cells"** Remote Evaluations, November 2012.
- Independent Remote Expert Evaluator in **H2020 FET OPEN RIA Call 2015/2**, cut-off date 29th September 2015: **Future & Emerging Technologies ( FET-OPEN) - Novel Ideas For Radically New Technologies –Research and Innovation Actions (RIA)**, November 2015.
- Vice Chair-Cross-reader in **H2020-FETOPEN-1-2016-2017-RIA: Future & Emerging Technologies ( FET-OPEN) - Novel Ideas For Radically New Technologies –Research and Innovation Actions (RIA)** cut-off date 27-09-2017.
- Vice Chair-Cross-reader in **H2020-FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking** Cut-off date: May 16, 2018.
- External reviewer for proposals submitted to the **2018 FONDECYT** Regular Competition of the National Fund for Scientific and Technological Development (FONDECYT) **of the Chilean National Commission for Scientific and Technological Research (CONICYT)**
- **Invited** Visit and Lecture to “Graz University of Technology” from June 7th to June 9th, **2018**.
- Vice Chair-Cross-reader in **H2020-FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking** Cut-off date: January 24, 2019.
- Vice Chair-Cross-reader in **H2020-FETOPEN-2018-2019-2020-01** Cut-off September 18, 2019

**Reviewer in Scientific Journals**

- ChemPhysChem, Journal of Molecular Structure, Macromolecules, Materials Today Proceedings, PLoS ONE, Nanoscience and Nanotechnology Letters, Polymers, MRS Communications, Nanomaterials, Materials, Chem Asian Journal, Chem. Phys. Lett.
- Member of the **Reviewer Board of Polymers**.

**Autohr Details**

Scopus Author ID: 6603162697, <http://orcid.org/0000-0003-1019-3670>

**Citations Report (source Scopus)**

- Number of Publications in peer reviewed international journals: **48**
- Number of citations: **~600**
- **h index = 14**

**Annexes**

Research Projects List, Teaching Experience, Publications List, Patents List, Conferences Participation List.

**Aikaterini K. Andreopoulou**

**1 June 2020**

## Annexes

### PARTICIPATION IN RESEARCH PROJECTS

- 1) 2001- 2003: "Specialty Antimicrobial Polymeric Materials", GROWTH, G5RD-CT-2001-00568.
- 2) 2000 – 2001 and 2003 – 2004: ICE-HT FORTH Internal Research project: "Synthesis and Characterization of blue light emitting polymers".
- 3) 11/2004 – 10/2005: "EPAN E13 – Development of Flexible Photovoltaics" General Secretariat of Research and Technology Greece.
- 4) 11/2006 – 03/2007: "Pythagoras II – Responsive Physical Networks from Block Copolymers of Controlled Architectures" Ministry of National Education and Religious Affairs – EC MIS 97519.
- 5) 04/2007 – 04/2008: "Apollon B–Polymer Electrolytes and Non Noble Metal Electrocatalysts for High Temperature PEM Fuel Cells" FP6-2004-NMP-TI-4.
- 6) 05/2008 – 12/2008: "Carisma-Coordination Action of Research on Intermediate and High Specialised Membrane Electrode Assemblies" FP6-Contract No 039041.
- 7) 02/2009 – 09/2009: "Polymer Electrolyte Membranes: Synthesis and Characterization" Contracted Research Project University of Patras FK-C.615.
- 8) 01/2010 – 09/2011: "IRAFC-Development of an Internal Reforming Alcohol High Temperature PEM Fuel Cell Stack", JTI-FCH-JU-2008-245202.
- 9) 10/2011 – 03/2012: "Development of nanostructured organic and inorganic materials and thin films for molecular electronics"-Nanorganic, 09SYN-42-722, GSRT-Greece.
- 10) 04/2012 – 02/2013: "Extended Shelf-Life Biopolymers for Sustainable and Multifunctional Food Packaging Solutions – Nanobarrier" EU FP7 GA No 280759.
- 11) 03/2013 – 03/2014: "Design and Development of New Electron Acceptor Polymeric and Hybrid Materials and their Application in Organic Photovoltaics – DENE 2780" GSRT-Greece.
- 12) 05/2014 - 10/2014: "DEMSTACK - Understanding the Degradation Mechanisms of a High Temperature PEMFC Stack and Optimization of the Individual Components" JTI-FCH-JU-2012- 325368.
- 13) 04/2014 – 09/2014: "Green/k Sustainable Lighting - GR-Light" 11ΣYN-5-573, GSRT-Greece.
- 14) 10/2014 – 09/2015: "Design and Development of New Electron Acceptor Polymeric and Hybrid Materials and their Application in Organic Photovoltaics – DENE 2780" GSRT-Greece.
- 15) 10/2015 – 04/2016: "Resistance to Solvents of Non-Hermetic Components Encapsulation Materials- RESOLVE" ESA Contract No.:4000112772/14/NL/PA.
- 16) 05/2016 – 06/2017: "Development of smart machines, tools and processes for the precision synthesis of nanomaterials with tailored properties for Organic Electronics – Smartonics" Grant Agreement No 310229 – FP7-NMP-Large-2012.1.4-1.
- 17) 08/2017 – 09/2017: "Resistance to Solvents of Non-Hermetic Components Encapsulation Materials- RESOLVE" ESA Contract No.:4000112772/14/NL/PA.
- 18) 11/2017 – 05/2018: "Development of novel materials with improved thermal insulation properties for food packaging applications-ThermPack" FK. 80277, Operational Regional Programmes Eastern Macedonia and Thrace 2014-2020 "Investment Innovation, Research and Development Business Plans" of the Chemical and Polymer Materials Industry.
- 19) 05/2018 – 03/2019: "Research and development plan of efficient and low cost photovoltaic windows BRITE\_PVGlass" MIS 5021436, F.K. 80399
- 20) 02/2016 – to date: "Contracted Employee at the Central Facilities of Instrumental Analysis Laboratory of University of Patras" FK. 1587
- 21) 03/2019-to date: "Printed OLEDs for intelligent, efficient & tunable solid-state lighting devices in large scale\_APOLLON" MIS 5030854, FK 80536

### TEACHING EXPERIENCE

- Participation in the laboratory courses:
  - ▶ "Characterization of Polymers" of the "Interdepartmental program of postgraduate studies in "Polymer Science and Technology" Department of Chemistry, University of Patras,
  - ▶ "Polymer Science" Department of Chemical Engineering, University of Patras.
  - ▶ "Physical Processes of Chemical Technology" Department of Chemistry, University of Patras, Appointed Non Permanent Lecturer 407/80 2008-2009.
- Participation in the Summer Courses "Green & Viable Chemistry" July 2008, Department of Chemistry, University of Patras.
- Co-Supervision of 14 Undergraduate, 10 Master and 6 PhD Diploma Theses.

### SPECIAL TRAINING

- "ESI Ion Trap Essential Training – Low Molecular Weight Applications, March 2018, Bruker Daltonics GmbH, Bremen Germany
- "MALDI Essential Training – Proteomics using ProteinScape™". October 2017, Bruker Daltonics GmbH, Bremen Germany
- "Avance / TopSpin Basic – Introduction to System Operation, Basic NMR Methods, February 2017, Bruker BioSpin, Rheinstetten Germany

**PUBLICATIONS IN PEER REVIEWED SCIENTIFIC JOURNALS**

1) "From terphenyl-dendronized macromonomers to aromatic-aliphatic polyethers bearing two pendant dendrons per repeating unit"

A. K. Andreopoulou, J. K. Kallitsis,  
*Macromolecules*, **2002**, 35, 5808. IF(2002)= 3,751  
<http://pubs.acs.org/doi/full/10.1021/ma020255s>

2) "A Novel Proton Conducting Polyelectrolyte Composed of an Aromatic Polyether Containing Main-Chain Pyridine Units for Fuel Cells Applications"

N. Gourdoupi, A. K. Andreopoulou, V. Deimede, J. K. Kallitsis,  
*Chem. Mater.* **2003**, 15, 5044. IF(2003)=4,374  
<http://pubs.acs.org/doi/full/10.1021/cm0347382>

3) "Processable Photonic Polymers with Controllable Properties"

J. K. Kallitsis, A. K. Andreopoulou,  
*J. Polym. Sci. Polym. Phys.* **2003**, 41, 2485. IF(2003)=1,369  
<http://onlinelibrary.wiley.com/doi/10.1002/polb.10637/full>

4) "Syntheses and Characterization of Conjugated Polymers and Their Blends for Optoelectronic Applications"

S.P. Economopoulos, G.K. Govaris, C.L. Chochos, A.K. Andreopoulou, N.P. Tzanetos, J.K. Kallitsis, P. Yianoulis and V.G. Gregoriou,  
*Macromol. Symp.* **2004**, 205, 19. IF(2004)=0,913  
<http://onlinelibrary.wiley.com/doi/10.1002/masy.200450103/pdf>

5) "Effect of the Chain Length on the Photonic Efficiency of Aromatic-Aliphatic Dendronized Polyethers"

G. Pistolis, A. K. Andreopoulou, A. Malliaris, J. K. Kallitsis,  
*Macromolecules*, **2004**, 37, 1524. IF(2004)= 3,898  
<http://pubs.acs.org/doi/full/10.1021/ma035568h>

6) "Dendronized Rigid – Flexible Macromolecular Architectures: Syntheses, Structure and Properties in Bulk"

A. K. Andreopoulou, B. Carbonnier, J. K. Kallitsis, T. Pakula,  
*Macromolecules*, **2004**, 37, 3576. IF(2004)= 3,898  
<http://pubs.acs.org/doi/full/10.1021/ma035688p>

7) "Incorporation of low molecular weight biocides into polystyrene-divinyl benzene beads with controlled release characteristics"

S. Ikonopoulou, A. K. Andreopoulou, A. Soto, J. K. Kallitsis, G. A. Voyiatzis,  
*J. Controlled Release*, **2005**, 102, 223. IF(2005)=3,696  
[doi:10.1016/j.jconrel.2004.10.006](http://doi:10.1016/j.jconrel.2004.10.006)

8) "Effect of Structural Parameters on the Supramolecular Organization of Rigid-Flexible Polymers"

B. Carbonnier, A. K. Andreopoulou, T. Pakula, J. K. Kallitsis,  
*Macromol. Chem. Phys.* **2005**, 206, 66. IF(2005)=2,111  
<http://onlinelibrary.wiley.com/doi/10.1002/macp.200400202/full>

9) "Synthesis and Optical Properties of New End-Functionalized Polyquinolines"

S.P. Economopoulos, A.K. Andreopoulou, V.G. Gregoriou, J.K. Kallitsis,  
*Chem. Mater.* **2005**, 17, 1063-1071. IF(2005)=4,818  
<http://pubs.acs.org/doi/full/10.1021/cm047909r>

10) "Direct Observation of Odd-Even Effect in Dilute Polymeric Solutions: A Time-Resolved Anisotropy Study"

G. Pistolis, A. K. Andreopoulou, A. Malliaris, J. K. Kallitsis,  
*J. Phys. Chem. B.* **2005**, 109, 11538. IF(2005)=4,033  
<http://pubs.acs.org/doi/full/10.1021/jp044662c>

11) "Calcite Crystallization on Oxadiazole Terpyridine Copolymers"

A. Chrissanthopoulos, N. Tzanetos, A. K. Andreopoulou, J.K. Kallitsis, E. Dalas,  
*J. Cryst. Growth*. **2005**, 280, 594. IF(2005)=1,681  
[doi:10.1016/j.jcrysgro.2005.02.074](http://doi:10.1016/j.jcrysgro.2005.02.074)

12) "Side Chain Terpyridine Polymers through Atom Transfer Radical Polymerization and their Ruthenium Complexes"

N. Tzanetos, A. K. Andreopoulou, J. K. Kallitsis,  
*J. Polym. Sc. Part A, Polym. Chem.* **2005**, 43, 4838. IF(2005)=3,027  
<http://onlinelibrary.wiley.com/doi/10.1002/pola.20950/full>

- 13)** "An "Attachment via Coordination" Approach towards Side Chain Dendritic Polymers"  
A. K. Andreopoulou, J. K. Kallitsis,  
*Eur. J. Org. Chem.* **2005**, 4448. IF(2005)=2,548  
<http://onlinelibrary.wiley.com/doi/10.1002/ejoc.200500370/full>
- 14)** "ZnS Deposition on Oxadiazole–Terpyridine Copolymer"  
A. Chrissanthopoulos, N. P. Tzanetos, A. K. Andreopoulou, J. Kallitsis, E. Dalas,  
*J. Appl. Polym. Sci.* **2006**, 101, 1913. IF(2006)=1,306  
<http://onlinelibrary.wiley.com/doi/10.1002/app.23656/full>
- 15)** "Synthesis of Soluble Main-Chain Poly(Quinolines)"  
S. P. Economopoulos, A. K. Andreopoulou, V. G. Gregoriou, J. K. Kallitsis,  
*J. Macromol. Sci., Part A: Pure and Applied Chemistry*, **2006**, 43, 977. IF(2006)=0,800  
<http://www.informaworld.com/smpp/section?content=a747926083&fulltext=713240928>
- 16)** "Role of main chain rigidity and side-chain substitution on the supramolecular organization of rigid-flexible polymers"  
P. Riala, A. Andreopoulou, J. Kallitsis, A. Gitsas, G. Floudas,  
*Polymer*, **2006**, 47, 7241. IF(2006)=2,773  
[doi:10.1016/j.polymer.2006.05.079](http://doi:10.1016/j.polymer.2006.05.079)
- 17)** "End-Functionalization of Semiconducting Species with Dendronized Terpyridine-Ru(II)-Terpyridine Complexes"  
E. K. Pefkianakis, N. P. Tzanetos, C. L. Chochos, A. K. Andreopoulou,\* J. K. Kallitsis,  
*J. Polym. Sc. Part A, Polym. Chem.* **2009**, 47, 1939. IF(2009)=3,971  
<http://onlinelibrary.wiley.com/doi/10.1002/pola.23289/full>
- 18)** "Carbon Nanotubes Decorated with Terpyridine-Ruthenium Complexes"  
A. A. Stefopoulos, E. K. Pefkianakis, K. Papagelis, A. K. Andreopoulou,\* J. K. Kallitsis,\*  
*J. Polym. Sc. Part A, Polym. Chem.* **2009**, 47, 2551. IF(2009)=3,971  
<http://onlinelibrary.wiley.com/doi/10.1002/pola.23339/full>
- 19)** "Metallo-supramolecular Side-Chain Polymers and Polyelectrolyte-Metallo-supramolecular Surfactant Complexes"  
M. R. Hammond, A. K. Andreopoulou, E. K. Pefkianakis, N. P. Tzanetos, J. K. Kallitsis, R. Mezzenga,  
*Chem. Mater.*, **2009**, 21, 2169. IF(2009)=5,368  
<http://pubs.acs.org/doi/full/10.1021/cm9002178>
- 20)** "Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes"  
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E.K Pefkianakis, A.A. Stefopoulos, A.K. Andreopoulou, C.L. Chochos, V.G. Georgiou, J.K. Kallitsis,  
International Symposium towards organic photovoltaics, 6-8 February 2008, Johannes Kepler University of Linz, Austria.
- 25)** "Synthesis of Amphiphilic Conjugated Random copolymers with solvent, Thermo and pH responsive properties in solutions"  
A.A. Stefopoulos, E.K Pefkianakis, C.L. Chochos, A.K. Andreopoulou, G. Bokias, J.K. Kallitsis,  
1<sup>st</sup> International Symposium on Organic Electronics, 9-11 July 2008, Halkidiki, Greece.
- 26)** "New Conjugated Polymers and Brush-type Copolymers for Use in All Polymer Solar Cells"  
C. L. Chochos, S. P. Economopoulos, A. K. Andreopoulou, M.t. Lloyd, G. Malliaras, S. Barrau, G. Hadziioannou, V. G. Georgiou, J. K. Kallitsis,  
1<sup>st</sup> International Symposium on Organic Electronics, 9-11 July 2008 Halkidiki, Greece.
- 27)** "Preparation of MetalloPolymer Modified Carbon Nano-tubes for Optoelectronic Applications"  
A. A. Stefopoulos, A. K. Andreopoulou, K. Papagelis, E. K Pefkianakis, J. K. Kallitsis,  
1<sup>st</sup> International Symposium on Organic Electronics, 9-11 July 2008 Halkidiki, Greece.
- 28)** "Terpyridine-Ruthenium Complexes for the Decoration of CNTs, Semiconducting Oligomers and Polymers"  
A. K. Andreopoulou, A. A. Stefopoulos, E. K. Pefkianakis, N. P. Tzanetos, C. Papagellis, J. K. Kallitsis-  
7<sup>th</sup> Hellenic Polymeric Conference, Ioannina, Greece 28-1 October 2008.
- 29)** "High metal loaded polymeric complexes for optoelectronics"  
J. Kallitsis, E. Pefkianakis, A. Stefopoulos, A. Merziotis, A. Andreopoulou  
Abstracts of Papers, 237<sup>th</sup> ACS National Meeting, Salt Lake City, UT, United States, March 22-26, 2009
- 30)** "Imidazole Bearing Aromatic Polyethers Targeting High Temperature PEM-FC Applications"  
A. Andreopoulou, G. Drakos, M. Daletou  
8<sup>th</sup> Hellenic Polymer Society Symposium, Hersonissos Crete, 24 – 29 October, 2010.
- 31)** "Effect of The Molecular Structure on The Properties of High Temperature Polymer Electrolyte Membranes"  
C. Morfopoulos, M. Geormezi, A. K. Andreopoulou, S. Neophytides, J. K. Kallitsis  
8<sup>th</sup> Hellenic Polymer Society Symposium, Hersonissos Crete, 24 – 29 October, 2010.

- 32)** "Semiconducting Polymer Based Polymeric Brushes And Carbon Nanotube Hybrids For Molecular Electronics"  
A. A. Stefopoulos, S. N. Kourkouli, S. Economopoulos, A. Andreopoulou, A. Siokou, J. K. Kallitsis  
8th Hellenic Polymer Society Symposium , Hersonissos Crete, 24 – 29 October, 2010.
- 33)** "Synthesis of polymeric hybrid materials based on carbon nanostructures for optoelectronic applications"  
S. N. Kourkouli, A. A. Stefopoulos, A. Sidiropoulou, A. K. Andreopoulou, A. Siokou, J. K. Kallitsis  
4th International Symposium on Flexible Organic Electronics (IS-FOE11), 10-13 July 2011, Thessaloniki, Greece.
- 34)** "Semiconducting Electron Donor-Acceptor Copolymers of various Architectures for Organic Photovoltaics"  
A. K. Andreopoulou, S. N. Kourkouli, A. A. Stefopoulos, A. Siokou, J. K. Kallitsis  
8th International Conference on Nanosciences & Nanotechnologies (NN11), 12-15 July 2011, Thessaloniki, Greece.
- 35)** "Synthesis of polymeric hybrid materials based on carbon nanostructures"  
A. K. Andreopoulou, S. N. Kourkouli, A. Sidiropoulou, A. A. Stefopoulos, A. Siokou, J. K. Kallitsis  
Aquitaine Conference on Polymers 2011, 18-21 October 2011, Archachon, France.
- 36)** "Synthesis of semiconducting polymers and hybrids for OPVs applications"  
J. K. Kallitsis, S. N. Kourkouli; S. Kakogianni; A.K. Andreopoulou; A. A. Stefopoulos; A. Siokou  
ISFOE12, 5th International Symposium on Flexible Organic Electronics, 2-5 July 2012, Thessaloniki, Greece.
- 37)** "Aromatic Polyethers for High Temperature Polymer Electrolyte Membrane Fuel Cells (HT-PEMFCs) operating above 180°C"  
A. K. Andreopoulou; C. Morfopoulos; I. Kalamaras; M. K. Daletou; K. D. Papadimitriou; S. G. Neophytides; J. K. Kallitsis  
Carisma 2012, 3rd Carisma International Conference on Medium & High Temperature PEMFCs, 3-5 September 2012, Copenhagen, Denmark.
- 38)** "A Versatile Approach for Creating Hybrid Architectures of Carbon Allotropes with Electron Acceptors or Electron Donor-Acceptors"  
A. K. Andreopoulou; S. Kourkouli, S. Kakogianni, J. K. Kallitsis  
Hybrid Materials 2013, Third International Conference on Multifunctional, Hybrid and Nanomaterials, 3-7 March 2013, Sorrento, Italy.
- 39)** "Hybrid semiconducting polymer-fullerene architectures for organic photovoltaics: a new, versatile approach"  
J. Kallitsis, A. K. Andreopoulou, S. Kourkouli, S. Kakogianni  
F-π-11, 11th International Symposium on Functional π-Electron Systems, 2-7 June 2013, Archachon, France
- 40)** "Introducing Organic Semiconductors onto Carbon Allotropes"  
A.K. Andreopoulou, S. N. Kourkouli, S. Kakogianni, P. Giannopoulos, J. K. Kallitsis  
ISFOE13, 6th International Symposium on Flexible Organic Electronics, 8-11 July 2013, Thessaloniki, Greece
- 41)** "Hybrid Semiconducting - Fullerene Architectures for Organic Photovoltaics"  
S. Kakogianni; S. N. Kourkouli; I. Tantis; A.K. Andreopoulou; A. Siokou; J. K. Kallitsis  
ISFOE13, 6th International Symposium on Flexible Organic Electronics, 8-11 July 2013, Thessaloniki, Greece
- 42)** "Quinoline-functionalized Nanoparticles as Luminescent pH responsive Sensors"  
A. Moutsipoulou<sup>1</sup>, A. Athanasopoulou, G. Bokias, A.K. Andreopoulou, J. K. Kallitsis  
NN13, 10th International Conference on Nanosciences & Nanotechnologies, 9 - 12 July 2013, Thessaloniki, Greece
- 43)** "Copolymers based on Polymer or Metal complex electron donors and polymeric ionic liquids for DSSC applications"  
P. Giannopoulos, C. Anastasopoulos, A. Andreopoulou, J. Kallitsis, G.Sfyri, P.Lianos  
NN14, 11th International Conference on Nanosciences & Nanotechnologies, 8-11 July 2014, Thessaloniki, Greece
- 44)** "An alternative connection methodology of organic sensitizers onto TiO<sub>2</sub> semiconductors for DSSC applications"  
P. Giannopoulos, A. Andreopoulou, J. Kallitsis, A.Nikolakopoulou, P.Lianos  
NN14, 11th International Conference on Nanosciences & Nanotechnologies, 8-11 July 2014, Thessaloniki, Greece
- 45)** "Electrochemical characterization of polymer electron donors for organic solar cells"  
K. Theodosiou, S. Kakogianni, A. Andreopoulou, G. Leftheriotis, J. Kallitsis  
30th Panhellenic Conference on Solid State Physics and Materials Science, 21–24 September 2014, premises of the Foundation for Research and Technology, Hellas at Heraklion, Crete, Greece
- 46)** "Development of hybrid semiconducting materials for organic electronics"  
Sofia Kakogianni, Aikaterini K. Andreopoulou, Joannis K. Kallitsis  
4th Panhellenic Conference on Green Chemistry and Sustainable Development, 30 October - 1 November 2014, Conference Centre "Karolos Papoulias", University of Ioannina, Ioannina, Greece
- 47)** "Synthesis and characterization of polymeric functional electron donors for electronic applications"  
S. Kakogianni, S. Aivali, A. K. Andreopoulou, C. Anastasopoulos, J. K. Kallitsis  
Israel-Greece Joint Meeting on Nanotechnology and BioNanoscience, 20-23 October 2014, Weizmann Institute of Science, Israel

- 48)** “Modified electron donors with functional groups for organic electronics”  
S. Kakogianni, S. Aivali, A. K. Andreopoulou, C. Anastasopoulos, J. K. Kallitsis  
10th Hellenic Polymer Society Conference (10th HPSC), 4-6 December 2014, Conference Center of the University of Patras, Rio-Patras, Greece.
- 49)** “Functional polymeric electron donors and their hybrid nanostructures for organic electronics”  
S. Kakogianni, A. K. Andreopoulou, P. Giannopoulos, S. Aivali, C. Anastasopoulos, J. K. Kallitsis  
Frontiers in Polymer Science, 20-22 May 2015, Riva del Garda, Italy
- 50)** “Cross-linkable polymers for high temperature-polymer electrolyte membrane fuel cells: from chemistry to application”  
K. Kallitsis, D. Karamessini, A. K. Andreopoulou, J. K. Kallitsis  
Frontiers in Polymer Science, 20-22 May 2015, Riva del Garda, Italy
- 51)** “Optimization of the synthesis of polymeric electron donors based on PCDTBT derivatives”  
A. K. Andreopoulou, C. Anastasopoulos, G. Nikolopoulos, J. K. Kallitsis  
9th International Symposium on Flexible Organic Electronics, 4-7 July 2016, Thessaloniki, Greece
- 52)** “Optimization of the synthesis of semiconducting polymeric electron donors for organic photovoltaics based on PCDTBT derivatives”  
A. K. Andreopoulou, C. Anastasopoulos, G. Nikolopoulos, J. K. Kallitsis  
11th Hellenic Polymer Society Conference, 3-5 November 2016, Hrakleio, Crete
- 53)** “Development of alternative polymeric electron donors based on carbazole and benzothiazole moieties for organic photovoltaics”  
G. Nikolopoulos, C. Anastasopoulos, A. Andreopoulou, G. Rassias, J. Kallitsis  
22nd Panhellenic Chemistry Conference, 2-4 December 2016, Thessaloniki, Greece
- 54)** “Modulation of the optoelectronics properties of semiconducting polymers through blending with carbon based hybrids or metallocomplexes”  
S. Aivali, K. Simitzi, A. K. Andreopoulou, C. Anastasopoulos, G. Nikolopoulos, J. K. Kallitsis  
Eurofillers-Polymer Blends 2017, 23-27 April 2017, Hersonissos, Heraklion Crete, Greece
- 55)** “Development of Photosensitizers for DSSCs of Improved Light Absorption and Stable Binding onto Inorganic Nanoparticulate Photoanodes”  
A. K. Andreopoulou, C. Charalampopoulos, C. Anastasopoulos, P. Giannopoulos, J. K. Kallitsis  
12th Hellenic Polymer Society International Conference 2018 (POLYCONF12), September 30-October 3 2018, Ioannina, Greece.
- 56)** “Development of Hybrid Materials based on Organic Semiconductors and Carbon Nanostructures or Inorganic Nanoparticles”  
A. K. Andreopoulou, S. Aivali, C. Anastasopoulos, C. Charalampopoulos, J. K. Kallitsis  
14th International Symposium on Functional  $\pi$ -Electron Systems, June 2-7, 2019, Berlin, Germany