

**Panayiotis A. Koutentis PhD (DIC), BSc (ARCS), CSci, CChem, FRSC**

University of Cyprus, Department of Chemistry, P.O. Box 20537, 1678 Nicosia, Cyprus

Tel: 357-22892783; Fax: 357-22892809; E-mail: [koutenti@ucy.ac.cy](mailto:koutenti@ucy.ac.cy)

Home Page: <http://www.ucy.ac.cy/~koutenti/>

**RESEARCH INTERESTS**

Four areas of interest are currently under investigation. 1) The synthesis and reactivity of novel and unusual S,N-heterocyclic compounds; 2) The design and synthesis of organic magnets based on radical and diradical polyazaheterocyclic systems; 3) The design and synthesis of novel conjugated and non conjugated polymers; 4) The design and synthesis of biologically active heteroarenes.

**EMPLOYMENT**

- 2015-present **Professor in Organic Chemistry. University of Cyprus, Nicosia:** Present Duties: Koutentis Research Group, NMR Instrumentation and Post Graduate Committee Coordinator. Past Duties: Departmental Safety Officer; Erasmus Coordinator; Department Representative (Elected) at the School of Pure and Applied Sciences.
- 2009-2015 **Associate Professor in Organic Chemistry. University of Cyprus, Nicosia:** Duties: 500 MHz NMR Instrumentation and Erasmus Coordinator. Past Duties: Departmental Safety Officer; Department Representative (Elected) at the School of Pure and Applied Sciences; Chairman for the Faculty Appointment "Lecturer/Assistant Professor in Synthetic Organic Chemistry"; Departmental Library Coordinator; Departmental Seminar Coordinator.
- 2004-2009 **Assistant Professor in Organic Chemistry. University of Cyprus, Nicosia:** Duties: (2008-2009) Departmental Seminar Coordinator. (2006-2008) Erasmus Coordinator, and Computer Infrastructure Coordinator. (2004-2006) Coordinator of 4<sup>th</sup> year Diploma Projects.
- 1999-2004 **Lecturer in Organic Chemistry. University of Cyprus, Nicosia:** Duties: (2002-2004) Erasmus Coordinator, Departmental Library Coordinator; (2000-2002) Coordinator of the Departmental Laboratories, Departmental Tenders and Departmental Safety Officer.
- 1999 **Haddon Research Group, University of Kentucky, Lexington:** Postdoctoral Scholar. Preparation of stable phenalenyl neutral radicals. Advisor: Professor Robert C. Haddon.
- 1997-1998 **Exotic Materials Institute, UCLA:** Postdoctoral Fellow. Preparation of zwitterionic tetraazapentacenes. Advisor: Professor Fred Wudl.
- 1997 **University of Bristol, United Kingdom:** Research Assistant. Preparation of conformationally controlled polymers. Advisor: Professor Roger W. Alder.
- 1993-1997 **Imperial College of Science, Technology and Medicine, London:** Teaching Assistant.
- 1988 **Cypriot National Army:** voluntary military service.

## EDUCATION

PhD, Organic Chemistry, Imperial College of Science, Technology and Medicine, London, 1997.

BSc (Hons) First Class, Chemistry, Imperial College of Science, Technology and Medicine, London, 1992.

## EDITORIAL WORK FOR THE FOLLOWING JOURNALS

- **Advances in Heterocyclic Chemistry**; Member of the Editorial Advisory Committee (Oct 2014 to 2015, Vols 114-116; 2017, Vols. 122-123; 2018, Vols. 124-128)
- **Arkivoc**; Member of the Arkivoc Control Board (Scientific Editor since 2011)
- **Arkivoc**; *Regional Issue 'Organic Chemistry in Argentina Arkivoc 2011*, **vii**, 1-504; Facilitators: Rolando Angel Spanevello and Elba Bujan, **Scientific Editor**: Panayiotis A. Koutentis (Issue completed with 40 papers, 504 pages)
- **Arkivoc**; *Commemorative Issue in Honor of Prof. Michael Orfanopoulos on the occasion of his outstanding contribution to organic synthetic chemistry Arkivoc 2015*, **iii**, 1-262; Facilitator: Manolis Stratakis, **Scientific Editor**: Panayiotis A. Koutentis (Issue completed with 17 papers, 262 pages)
- **Arkivoc**; *Commemorative Issue in Honor of Prof. Oleg Rakitin on the occasion of his 65<sup>th</sup> anniversary Arkivoc 2017*, **iii**, 1-376; **Facilitator**: Panayiotis A. Koutentis, **Scientific Editor**: Jacque Royer (Issue completed with 32 papers, 376 pages)
- **Conference Papers in Chemistry**; CIPS, Hindawi Publishing Corporation (no activity, in 2016 journal was terminated owing to lack of quality submissions)
- **Comprehensive Heterocyclic Chemistry IV**, Elsevier, Volume Editor (2018-)
- **Molbank**; Member of the Molecules Editorial Board (Scientific Editor since Jun 2018)
- **Molbank**; *Guest Editor for Special Issue 'Heteroatom Rich Organic Heterocycles' Molbank 2018*; **Guest Editor**: Panayiotis A. Koutentis **Assistant Editor**: Andreas S. Kalogirou (**Issue Open**). completed 2 papers, 000 pages
- **Molecules**; Member of the Molecules Editorial Board (Scientific Editor since Feb 2015)
- **Molecules**; *Guest Editor for Special Issue 'Design and Synthesis of Novel Conjugated and Non Conjugated small molecules' Molecules 2015*; **Guest Editor**: Panayiotis A. Koutentis (**Issue Closed**). completed 15 papers, 253 pages
- **Molecules**; *Guest Editor for Special Issue 'Sulfur-Nitrogen Heteroaromatics' Molecules 2016*; **Guest Editor**: Panayiotis A. Koutentis **Assistant Editor**: Andreas S. Kalogirou (**Issue Closed**). completed 9 papers, 107 pages
- **Sci**; Member of the Sci Advisory Board (Aug 2018-)

## NATIONAL REPRESENTATIVE FOR THE FOLLOWING JOURNALS

*Arkivoc*

### **INVITED REFEREE FOR THE FOLLOWING JOURNALS (52)**

*Acta Chimica Slovenica, African Journal of Biotechnology, ACS Applied Materials & Interfaces, ACS Omega, Arabian Journal of Chemistry, Archiv der Pharmazie, Arkivoc, Beilstein Journal of Organic Chemistry, Bioorganic & Medicinal Chemistry, Bioorganic & Medicinal Chemistry Letters, Chemical Communications, Chemical Papers, Chemical Science, Chemisty- A European Journal, Chemistry Letters, ChemistrySelect, CrystEngComm, Crystal Growth & Design, Crystals, Current Bioactive Compounds, Current Organic Chemistry, Current Organic Synthesis, Dyes & Pigments, European Journal of Organic Chemistry, Heterocyclic Communications, Industrial & Engineering Chemistry Research, Israel Journal of Chemistry, Journal of Heterocyclic Chemistry, Journal of Materials Chemistry C, Journal of Medicinal Chemistry, Journal of Pharmacy and Pharmacology, Journal of Sulfur Chemistry, Journal of the American Chemical Society, Letters in Drug Design & Discovery, Letters in Organic Chemistry, Mendeleev Communications, Molbank, Nature Communications, New Journal of Chemistry, Organic and Biomolecular Chemistry, Organic Chemistry Frontiers, Organic Letters, Phosphorus, Sulfur Silicon Relat. Elem., Physical Chemistry Chemical Physics, Polyhedron, RSC Advances, Synlett, Synthesis, Targets in Heterocyclic Systems, Tetrahedron, Tetrahedron Letters, The Journal of Organic Chemistry.*

### **INVITED REFEREE FOR THE FOLLOWING FUNDING AGENCIES**

*Royal Society of Chemistry, 2008 and 2009 Research Fund Grant*

*Research Coordination Office, KU Leuven, 2016*

*National Science Center, Poland, 2016*

*Foundation for Polish Science, 2016*

*European Commission ERC-2017-STG, 2017*

*Foundation for Polish Science, Nicolaus Copernicus Polish-German Research Award 2018*

*Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO) (30-5-2018)*

### **COMMITTEE PARTICIPATION**

**2018**, Chairman for the Specialist Committee for the promotion of Lecturer Savvas N. Georgiades to Associate Professor for the Department of Chemistry, University of Cyprus. Internal members: Prof. Panayiotis A. Koutentis (Chairman), Prof. Costas S. Patrickios (Internal Member), Assoc. Prof. Nikos Chronakis (Internal Member), Prof Kurt Faber (Austria), Prof Oliver Seitz (Germany) Date 27/03/2018.

**2018**, Internal Member for the Specialist Committee for the promotion of Lecturer Agapios Agapiou to Assistant Professor for the Department of Chemistry, University of Cyprus. Internal members: Associate Professor Constantina Kapnissi-Christodoulou (Chairman), Prof. Ioannis Paschalidis (Internal member), Prof. Panayiotis A. Koutentis (Internal Member), Prof. Wolfgang Buchberger (Vienna, Austria), Prof. Peter O'Connor (Warwick, UK) **Date Pending**.

**2018**, Internal Member for the Specialist Committee for the promotion of Assistant Professor Eftychia Pinakoulaki to Associate Professor for the Department of Chemistry, University of Cyprus. Internal

members: Prof. Ioannis Pashalidis (Chairman), Prof. Panayiotis A. Koutentis (Internal Member), Prof. Gideon Schreiber (Rehovot, Israel), Prof. Juergen Popp (Jena, Germany), Prof. Rienk van Grondelle (Amsterdam, Holland). Date 15/02/2018.

**2016**, Internal Member for the Specialist Committee for the promotion of Assistant Professor Constantina Kapnissi-Christodoulou to Associate Professor for the Department of Chemistry, University of Cyprus. Internal members: Prof. Ioannis Pashalidis (Chairman), Prof. Panayiotis A. Koutentis (Internal Member), Prof. Peter J. Schoenmakers (Amsterdam, Netherlands), Prof. Pier Giorgio Righetti (Milan, Italy), and Prof. Victor Cerdà (Balearic Islands, Spain). Date 07/11/2016.

**2010**, Chairman for the Appointment Committee “Lecturer or Assistant Professor in Synthetic Organic Chemistry with Emphasis in Chemical Biology and / or Medicinal Chemistry” for the Department of Chemistry, University of Cyprus. Internal members: Assoc. Prof. Panayiotis A. Koutentis (Chairman), Assoc. Prof. Athanassios Nicolaidis, Prof. Costas Patrickios, External members: Prof. Richard Taylor (York, UK), Prof. Patrick Guiry (Dublin, IR). Date 14/12/2010.

#### **EXTERNAL ASSESSOR OF ACADEMIC STAFF**

**2016**, Evaluated a candidate (Dr. EA Varella) for the promotion from Assistant to Associate Professor (tenured) for the Department Chemistry, Aristotle University of Thessaloniki, Greece.

**2015**, Evaluated a candidate (Dr. GM Tzivgoulis) for the promotion from Assistant to Associate Professor (tenured) for the Department Chemistry, University of Patras, Greece.

**2012**, Evaluated a candidate (Dr. AG Tzakos) for the promotion from Lecturer to Assistant Professor (non-tenured) for the Department Chemistry, University of Ioannina, Greece.

#### **VISITING EXTERNAL PhD EXAMINER**

**2015**, Iris Wauters, “Diversity orientated synthesis based on the brevianamide scaffold for the development of physiologically active compounds” Department of Bioscience Engineering, University of Gent, Belgium, Project Supervisor Prof. Chris Stevens; External Examiners: Dr. Panayiotis A. Koutentis, Dr. Steven Ballet and Dr Sven Mangelinckz.

**2015**, Felix Hermerschmidt, “Solution-Processed Materials and Devices for Optoelectronic Applications” Cyprus University of Technology, Cyprus, Project Supervisor Prof. Stelios Choulis; External Examiners: Prof. Andreas Othonos and Dr. Panayiotis A. Koutentis.

**2012**, Eamonn Joyce, “The use of Acetic Anhydride in Annulations onto Benzimidazoles to give Novel Reducible *p*-Dione Adducts” National University Ireland Galway, Ireland. Project Supervisor Dr. Fawaz Aldabbagh; Internal Examiner Dr. Niall Geraghty.

**2008**, Ewan R. Clark, “Synthesis and Chemistry of 1,2,4-Benzothiadiazines” University of Cambridge. Project Supervisor Dr. Jeremy Rawson; Internal Examiner Dr. Dominic S. Wright.

#### **EXTERNAL PhD APPRAISER FOR EUROPEAN PhD**

**2015**, Vincenzo Cilibrasi, “Polycyclic Pyrrolo-thiazole Systems with Biological Activity” Università Degli Studi di Palermo, Italy, Project Supervisor Prof. Paola Barraja, Group Leader: Prof. Girolamo Cirrincione.

**2014**, Gloria Di Vita, “Synthesis and antiproliferative activity of thiazolyl-bispyrrolo[2,3-*b*]pyridines, indolylthiazolylpyrrolo[2,3-*b*]pyridines and indolylthiazolylpyrrolo[2,3-*c*]pyridines, nortoposentin analogues” Università Degli Studi di Palermo, Italy, Project Supervisor and Group Leader: Prof. Girolamo Cirrincione.

**2014**, Borja Díaz de Greñu Puertas, “Detection and Discrimination of Organic Contaminants of High Environmental Impact By Means of Fluorogenic Probes” Universidad de Burgos, Spain, Project Supervisor Prof. Tomas Torroba.

**2009**, Luis Martín Gomis, “Molecular and Supramolecular Electroactive Systems based on [60]Fullerene, Trinitrofluorene and Phthalocyanine Derivatives, with Photoinduced Electron Transfer and Photorefractive Properties” Universidad Miguel Hernandez de Elche, Spain, Project Supervisor Dr. Angela Sastre Santos.

#### **EXTERNAL PhD APPRAISER FOR INDIAN PhD**

**2012**, Naganjaneyulu Bodipati, “Generation and Reactivity of Orthobenzoquinone Monoimines and Monoimides” Indian Institute of Technology Roorkee, India, Project Supervisor Dr. R. K. Peddinti.

**2009**, Sunil G. Jagadhani, “Synthesis of Some Newer Heterocyclic Compounds by Conventional and Non-conventional Methods” University of Pune, India, Project Supervisor Dr. B. K. Karale.

#### **INTERNAL PhD EXAMINER**

**2014**, Charalambos P. Ioannou, “Regioselective Synthesis of Multiple Adducts of Fullerene C<sub>60</sub> and Applications in Construction of Supramolecular Structures” Project Supervisor Dr. Nikos Chronakis.

**2013**, Savvas Ioannou, “Products of Noradamantene in the Synthesis of Polycyclic Hydrocarbons” Project Supervisor Dr. Athanasios V. Nicolaides.

**2013**, Maria Riala, “Synthesis of Inherently Chiral Bis- and Trisadducts of C<sub>60</sub> Utilizing *Cyclo*-malonate Tethers. Design and Synthesis of Structurally Novel Tethers for the Regioselective Bingel Functionalization of C<sub>60</sub>” Project Supervisor Dr. Nikos Chronakis.

**2006**, Maria P. Rikkou, “The study of the activity and kinetic liquidity of hard metal ions with electrochemically active substituents” Project Supervisor Dr. Anastasios D. Keramidias.

#### **INTERNAL MSc EXAMINER**

**2013**, Georgios I. Ioannou, “Synthesis of optically pure bifullerene products for the construction of helical chiral polymers and amphiphilic molecules” Project Supervisor Dr. Nikos Chronakis.

**2001**, George Hajikallis, “Synthesis and characterization of polyampholytes containing imidazoles” Project Supervisor Dr. Costas S. Patrickios.

## **EXTERNAL PHD TRANSFER EXAMINER**

**2013**, Felix Hermerschmidt, “Solution-based electronic materials for light-harvesting applications” Cyprus University of Technology, Cyprus, Project Supervisor Dr. Stelios Choulis.

## **CONSULTANCY**

2017 Expo-2017 Astana ‘Futures of Alternative Energies: Realities and Prospects’ Republic of Kazakhstan, Jul. 26 in collaboration with SUSU.

2017 2<sup>nd</sup> IRC meeting in Chelyabinsk for SUSU Project 5-100, Jun. 12-14.

2016 1<sup>st</sup> IRC meeting in Chelyabinsk for SUSU Project 5-100, Oct. 10-12.

2015 Invited Expert of the South Ural State University (SUSU) International Research Council (IRC)

2015 Grant Evaluator for the University of Crete, University Research Committee.

2014 Consultancy for the State General Laboratory (Extraction, characterization and identification of biologically active substances from unmarked tablets confiscated by Customs Office).

2012-2014 eHeterocycles Ltd, Cyprus (Heterocyclic synthesis).

2010 Evaluator for the Cyprus Research Promotion Foundation grants “Students in Research”.

2007 A member of the National Examination Board for the preparation of the University Entrance exams for Chemistry.

2006-2008 Novamechanics Ltd, (Chemo-informatics).

2004-2008 Cyano Research Corporation, Cyprus, (Contract synthesis, Chemo-informatics).

2004 Independent Evaluator of the Pan-Cypriot work group on the schools chemistry curriculum.

2002 Independent scientific expert for Medochemie Ltd, (Patent work).

2001-2003 A member of the National Examination Board for the preparation of the University Entrance exams for Chemistry.

## **ORGANISATION OF CONFERENCES**

- Member of the International Organising Committee: “4<sup>th</sup> International Congress on Organic Chemistry and Advanced Drug Research” June 17-18, 2019, London, UK.
- Member of the International Organising Committee: “Trans Mediterranean Colloquium on Heterocyclic Chemistry (TRAMECH-IX), Nov, 2017, Fez, Morocco.
- Member of the Local Organising Committee: “5<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials”, 22–26 May, 2013, Limassol, Cyprus.
- Member of Scientific Committee: “Trends in Drug Research – 29<sup>th</sup> Cyprus – Noordwijkerhout – Camerino Conference” 02-07 October, 2011, Limassol, Cyprus.
- Member of the Local Organising Committee: “3<sup>rd</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials”, 15–19 June, 2009, Paralimni, Cyprus.

## **NUMBER OF STUDENTS CURRENTLY SUPERVISED**

1 PhD candidates, (SN Heterocycles, Organic Magnets).

1 Postdoctoral (Heteroaromatic Chemistry).

## **NUMBER OF STUDENTS PREVIOUSLY SUPERVISED**

*11 Post doctoral fellows:*

Stella Manta (SN Heterocycles), Affiliation: University of Cyprus.

Andreas Kalogirou (Organic Solar Cells), Affiliation: University of Cyprus.

Andrey A. Berezin (Benzotriazines), Affiliation: University of Cyprus.

Daniele Lo Re (Benzotriazines), Affiliation: University of Cyprus.

Andreas Gollner (Canthinones), Affiliation: University of Cyprus / Cyano Research Corporation Ltd.

Aaron Martin (Canthinones), Affiliation: University of Cyprus / Cyano Research Corporation Ltd.

Delphine Declerck (Canthinones), Affiliation: University of Cyprus.

George Bokolinis (Medicinal Chemistry), Affiliation: University of Cyprus.

Georgia Loizou (Benzotriazines), Affiliation: University of Cyprus.

Neoklis Stylianides (Polyazapentacenes), Affiliation: University of Cyprus.

Georgia Melagraki (Chemo-informatics), Affiliation: University of Cyprus / Cyano Research Corp. Ltd.

Antreas Afantitis (Chemo-informatics), Affiliation: University of Cyprus / Cyano Research Corp. Ltd.

*6 PhD candidates:*

Maria Koyioni / 2016 (SN Heterocycles), Affiliation: University of Cyprus, Cyprus.

Styliana I. Mirallai / 2015 (Amidine Chemistry), Affiliation: University of Cyprus, Cyprus.

Theodosia A. Ioannou / 2013 (Polyazapentacenes), Affiliation: University of Cyprus, Cyprus.

Heraklidia A. Ioannidou / 2011 (SN Heterocycles), Affiliation: University of Cyprus, Cyprus.

Sophia S. Michaelidou / 2011 (SN Heterocycles), Affiliation: University of Cyprus, Cyprus.

Irene C. Christoforou / 2008 (SN Heterocycles), Affiliation: University of Cyprus, Cyprus.

*2 MSc candidates:*

Harris Krasos / 2008 (Benzotriazines), Affiliation: University of Cyprus, Cyprus.

George Avraamides /2004 (Polyazapentacenes), Affiliation: University of Surrey, UK.

1 Marie Curie Training Site Fellow, (Sensors), Affiliation: University of Burgos, Spain.

1 Erasmus Student (4<sup>th</sup> year Diploma Project) Affiliation: University of Burgos, Spain.

1 Erasmus Plus research assistant (Canthinones).

+20 Undergraduates (4<sup>th</sup> year Diploma Projects).

## AFFILIATIONS AND AWARDS

Barton Prize, Imperial College of Science, Technology and Medicine, London, 1991  
Engineering, Physics and Science Research Council PhD Grant, 1992-1995  
Member of the American Chemical Society (1999-)  
Member of the International Society of Heterocyclic Chemists (2003-2010) (2018-)  
Fellow of the Royal Society of Chemistry (2013-)  
Member of the Royal Society of Chemistry (2003-)  
Awarded designation of Chartered Chemist by Royal Society of Chemistry (2007)  
Awarded designation of Chartered Scientist by the Science Council (2007)  
Lifetime Member of Convocation (University of London) 1997-  
Recognized as one of the ten best reviewers in 2014 by an Editor of one of Elsevier's 5 Tetrahedron journals *Tetrahedron*, *Tetrahedron Letters*, *Tetrahedron: Asymmetry*, *Bioorganic & Medicinal Chemistry*, and *Bioorganic & Medicinal Chemistry Letters*.  
Recognized as one of the ten best reviewers in 2015 by an Editor of one of Elsevier's 5 Tetrahedron journals *Tetrahedron*, *Tetrahedron Letters*, *Tetrahedron: Asymmetry*, *Bioorganic & Medicinal Chemistry*, and *Bioorganic & Medicinal Chemistry Letters*.  
Awarded "The Golden Badge "Laureate" for the Art in Organic Synthesis of Heterocycles" by the International Scientific Partnership Foundation, International Foundation "Cultural Heritage" Award (2015).

## RESEARCH AWARDS RECEIVED BY STUDENTS

2010 1<sup>st</sup> Place ΚΟΥΛΤΟΥΡΑ/ΦΟΙΤΩ/1109/06, 4<sup>th</sup> year Diploma Project "Synthesis of New Dithiazolylienes" by **Maria Koyioni**.  
2010 1<sup>st</sup> Runner-up ΚΟΥΛΤΟΥΡΑ/ΦΟΙΤΩ/1109/05, 4<sup>th</sup> year Diploma Project "Synthesis of *N*-hydro- $\delta$ -carbolines for Treating Chagas Disease" by **Stavros Panayiotou**.  
2009 1<sup>st</sup> Place ΚΟΥΛΤΟΥΡΑ/ΦΟΙΤΩ/1108/17, 4<sup>th</sup> year Diploma Project "The Reaction of Some Sulfonium Ylids, Sulfinimides and Sulfoxides with 1,2,3-Dithiazoles" by **Andreas S. Kalogirou**.  
2009 3<sup>rd</sup> Place ΚΟΥΛΤΟΥΡΑ/ΦΟΙΤΩ/1108/01, 4<sup>th</sup> year Diploma Project "A Structure Activity Relationship Study of 6-Aminobenzotriazinones: New Amyloid- $\beta$  Aggregation Inhibitors (Alzheimer's Disease)" by **Marina Demetriades**.  
2008 3<sup>rd</sup> Place ΦΟΙΤΩ/0108/16, MSc Project "Stabilization of the 1,2,4-Benzotriazinyl Radical" by **Harry Krassos**.  
2007 2<sup>nd</sup> Place ΠΡΟΦΟΙΤ, 4<sup>th</sup> year Diploma Project "Conversion of Isothiazole into Pyrazole with Hydrazine" by **Heraklidia Ioannidou**.  
2004 1<sup>st</sup> Runner-up ΠΡΟΦΟΙΤ, 4<sup>th</sup> year Diploma Project "Synthetic Analogues of Marine Alkaloids" by **Sophia S. Michaelidou**.  
2003 1<sup>st</sup> Runner-up ΠΡΟΦΟΙΤ, 4<sup>th</sup> year Diploma Project "A Computational Study of Substituted Tetraazaacenes (In Search of New Organic Magnets)" by **Christos P. Constantinides**.



## GRANT PARTICIPATION

### As Coordinator or Scientific Supervisor (Total Funding: 1,766,794 Euro)

- 1 “Benzo[1,2,4]triazinones: Inhibitors of  $\beta$ -Amyloid Aggregation – New Leads for the Fight Against Alzheimer’s Disease” Cyprus Research Promotion Foundation, HEALTH AND BIOLOGICAL SCIENCES (Biotechnology and Drugs): YTEIA/BIOΣ/0308(BIE)/13, Project Coordinator: P.A. Koutentis, **160,000 EUR, 2009-2010. CLOSED**
- 2 “Design, Synthesis and Biological Evaluation on Cardiovascular System of New Selective Inhibitors of Soluble Guanylyl Cyclase” Cyprus Research Promotion Foundation, HEALTH AND BIOLOGICAL SCIENCES (Biotechnology and Drugs): YTEIA/BIOΣ/0308(BE)/16, Project Coordinator: P.A. Koutentis, **89,998 EUR, 2009-2010. CLOSED**
- 3 “Ring transformation of 1,2,3-Dithiazolamines into Bifunctional Indoles” Cyprus Research Promotion Foundation, TECHNOLOGY – PURE AND APPLIED SCIENCES (CHEMISTRY): ΤΕΧΝΟΛΟΓΙΑ/ΘΕΠΠΣ/0308(BE)/08, Project Coordinator: P.A. Koutentis, **120,000 EUR, 2009-2011. CLOSED**
- 4 “New Chemistry of 1,2,3-Dithiazoles”, Cyprus Research Promotion Foundation, YOUNG RESEARCHERS – PENEK (SUPPORT): PENEK/ENISX/0308/83, Project Coordinator: P.A. Koutentis, **90,000 EUR, 2009-2011. CLOSED**
- 5 “Synthesis of Canthinones: Small Natural Products with Anticancer Properties” Cyprus Research Promotion Foundation, ΕΡΕΥΝΑ ΓΙΑ ΕΠΙΧΕΙΡΗΣΕΙΣ: ΕΠΙΧΕΙΡΗΣΕΙΣ/ΕΦΑΡΜ/0308/19, Project Supervisor: P. Hajipapaphotiou, Co-investigator: Panayiotis A. Koutentis, **170,000 EUR, 2009-2010. CLOSED**
- 6 “Modelling, Prediction, Synthesis and Biological Screening of New MEK Kinase Inhibitors” Cyprus Research Promotion Foundation, ΔΙΔΑΚΤΩΡ – ΤΕΧΝΟΛΟΓΙΑ: ΔΙΔΑΚΤΩΡ/ΔΙΣΕΚ/0308/48, Project Coordinator: P.A. Koutentis, **90,000 EUR, 2009-2010. CLOSED**
- 7 “Chemoinformatic Software Development: Modelling, Virtual biological screening of new molecular structures with desirable characteristics” ΕΡΕΥΝΑ ΓΙΑ ΕΠΙΧΕΙΡΗΣΕΙΣ, ΠΛΥΠΗ/0506/25, Scientific Supervisor: P.A. Koutentis, **124,149 EUR, 2006-2008. CLOSED**
- 8 “Development of QSAR Models, Design of Biologically Active Compounds and Their Virtual Screening – Application towards the Treatment of Mediterranean Anemia” Cyprus Research Promotion Foundation, ΠΕΝΕΚ, ΔΡΑΣΗ: ΚΙΝΗΤ/0505/03, Scientific Supervisor: P.A. Koutentis, **77,810 EUR, 2005-2008. CLOSED**
- 9 “New Chemistry of Pyrazoles: Biologically Active Compounds”, Cyprus Research Promotion Foundation, ΔΡΑΣΗ: ΤΕΧΝΟ/1104/04, Project Coordinator: P.A. Koutentis, **170,860 EUR, 2005-2008. CLOSED**
- 10 “Heterocyclic Conjugated Polymers: New Organic Metals”, Cyprus Research Promotion Foundation, ΠΕΝΕΚ, ΔΡΑΣΗ: ΕΝΙΣΧ/0504/08, Project Coordinator: P.A. Koutentis, **76,887 EUR, 2005-2008. CLOSED**

- 11 “Synthetic Analogues of Marine Alkaloids”, Cyprus Research Promotion Foundation, ΠΕΝΕΚ, ΔΡΑΣΗ: ΕΝΙΣΧ/0504/07, Project Coordinator: P.A. Koutentis, **76,887 EUR, 2005-2008. CLOSED**
- 12 “Heterocyclic High Spin Magnets”, Cyprus Research Promotion Foundation, ΔΡΑΣΗ: ΤΕΧΝΟ/0104/04, Project Coordinator: P.A. Koutentis, **148,648 EUR, 2004-2007. CLOSED**
- 13 “New Synthesis of Isothiazoles: Biologically Active Compounds”, Cyprus Research Promotion Foundation, ΔΡΑΣΗ: ΤΕΧΝΟ/0603/18, Project Coordinator: P.A. Koutentis, **153,774 EUR, 2004-2007. CLOSED**
- 14 “New Organic Magnets”, Cyprus Research Promotion Foundation, ΠΕΝΕΚ, ΔΡΑΣΗ: ΕΝΙΣΧ/0603/05, Project Coordinator: P.A. Koutentis, **66,635 EUR, 2004-2006. CLOSED**
- 15 “Heterocyclic Organic Magnets”, University of Cyprus Medium Sized Grant, Project Coordinator: P.A. Koutentis, **128,145 EUR, 2004-2007. CLOSED**
- 16 “Ανακάλυψη νέων αναστολέων για την θεραπεία της ασθένειας του Alzheimer” Πρόγραμμα Μεταδιδακτορικοί Συνεργάτες, Πανεπιστήμιο Κύπρου, Project Coordinator: P.A. Koutentis, **23,000 EUR, 2015-2016. CLOSED**

**As Co-investigator (Total Funding: 3,731,898 Euro)**

- 1 “Synthesis, Characterisation, Modelling and Applications of Amphiphilic Model Networks,” European Union Fifth Framework Research Programme, Marie Curie Training Site for the Department of Chemistry of the University of Cyprus, Project Co-ordinator: C.S. Patrickios, Co-investigators: C.R. Theocharis, E. Leontidis, A.D. Keramidas, I. Pashalidis, and P.A. Koutentis; **117,893 EUR, 2002-2005.**
- 2 “Infrastructure Development of the Molecular Spectroscopy Laboratory” Cyprus Research Promotion Foundation, RESEARCH INFRASTRUCTURE: EPYAN/0205/15, Project Supervisor: S.C. Hayes, Co-Investigators: A.M. Efstathiou, P.A. Koutentis, I. Pashalidis, **205,868 EUR, 2005-2008.**
- 3 “Regeneration of Fetal Hemoglobin for the Therapy of Anemia”, Cyprus Research Promotion Foundation, ΔΡΑΣΗ: ΥΓΕΙΑ/1104/35, Project Supervisor: M. Kleanthous, Co-investigators: M. Angastiniotis, P.A. Koutentis, G. Stamatoyannopoulos, A. Kyrri, S. Christou, **98,202 EUR, 2005-2008.**
- 4 “Early Toxicological Testing of Compound Library with the use of FETAX” Cyprus Research Promotion Foundation, YOUNG RESEARCHERS – ΠΕΝΕΚ (MOBILITY): ΠΕΝΕΚ/KINHΤ/0308/06, Project Supervisor: P. Hajipapaphotiou, Co-investigator: Paris Skourides, Panayiotis A. Koutentis and Chao Y. I. Yan, **90,000 EUR, 2009-2010.**
- 5 “Φασματοσκοπικές μετρήσεις μάζας και NMR στην Οργανική και Βιολογική Χημεία” Cyprus Research Promotion Foundation, RESEARCH INFRASTRUCTURE: ΝΕΑΥΠΟΔΟΜΗ ΝΕΚΥΠ/0308/02, Project Supervisor: A. Nicolaidis, Co-Investigators: N. Chronakis, and P.A. Koutentis, **1,040,000 EUR, 2008-2011.**

- 6 "Molecular Electronics and Photonics" Cyprus Research Promotion Foundation, NEAYΠΙΟΔΟΜΗ/ΣΤΡΑΤΗΓΗ/0308/06, Project Coordinator Stelios Choulis, Co-Investigator P.A. Koutentis and others, **1,999,999 EUR, 2010-2014.**
- 7 "Chemoinformatic solutions for the identification and optimization of agents for the treatment of thalassaemia" Cyprus Research Promotion Foundation, ΥΤΕΙΑ/BIOΣ/0609/(BIE)/13, Project Coordinator Marina Kleanthous, Co-Investigator P.A. Koutentis and others, **179,936 EUR, 2009-2010.**

#### **CHAPTERS / BOOKS (6 published chapters)**

- 1) "1,2,5-Thiadiazoles and Related Compounds", P.A. Koutentis, *Science of Synthesis*, Volume 13, Product Class 11, Editors R.C. Storr, T.L. Gilchrist, p 297-348, 2003. **[INVITED AUTHOR]**
- 2) "1,2,5-Thiadiazoles" P.A. Koutentis, *Comprehensive Heterocyclic Chemistry III*, Volume 5, Chapter 5.09, Volume Editor V.V. Zhdankin, p 515-565, 2008. **[INVITED AUTHOR]**
- 3) "1,3,4-Thiadiazoles" P.A. Koutentis and C.P. Constantinides, *Comprehensive Heterocyclic Chemistry III*, Volume 5, Chapter 5.10, Volume Editor V.V. Zhdankin, p 566-605, 2008. **[INVITED AUTHOR]**
- 4) "Thiazoles", P.A. Koutentis and H.A. Ioannidou, *Science of Synthesis Knowledge Updates 2010/1*, Volume 11, Product Class 17, Editor E. Schaumann, p 267-391, 2010. **[INVITED AUTHOR]**
- 5) "Overview of Polymer and Copolymer Materials for Organic Photovoltaics" S.P. Economopoulos, G. Itskos, P.A. Koutentis and S.A. Choulis, in *Organic Photovoltaics: Materials, Device Physics, and Manufacturing Technologies*, Second Edition, Wiley-VCH Verlag GmbH & Co. KGaA. Edited by C. Brabec, U. Scherf, and V. Dyakonov, Chapter 1, p 3-26, 2014.
- 6) "Stable N- and N/S-Rich Heterocyclic Radicals: Synthesis and Applications" C.P. Constantinides and P.A. Koutentis, in *Advances in Heterocyclic Chemistry: Heterocyclic Chemistry in the 21st Century: A Tribute to Alan Katritzky*, Elsevier, Edited by E.F.V. Scriven and C.A. Ramsden, Volume 119, Chapter 7, p 173-207, 2016. **[INVITED AUTHOR]**
- 7) "The chemistry of non-S-oxidised 4H-1,2,6-thiadiazines" A.S. Kalogirou and P.A. Koutentis, in *Targets in Heterocyclic Systems - Chemistry and Properties*, Italian Chemical Society, Edited by O.A. Attanasi, P. Merino and D. Spinelli, Volume 22, Chapter 5, p 82-118, 2019. **[INVITED AUTHOR]**

#### **PUBLICATION LIST (140 accepted papers)**

- 1) "Investigation of the Solvent-Dependent Photoluminescence Lineshapes in 2,2'-Bithienyl-Substituted 4H-1,2,6-Thiadiazin-4-one" S. Kasiouli, E. Theodorou, C. Kyriakou, F. Paquin, H.A. Ioannidou, P.A. Koutentis and S.C. Hayes, 2012, **PENDING RESUBMISSION.**

- 2) "1,2,4-Benzotriazinyl radical-based pole-less all-organic battery" B. Häupler, G.A. Zissimou, R. Burges, C. Friebe, D. Schmidt, A. Wild, P.A. Koutentis, U.S. Schubert, 2016, **PENDING RESUBMISSION**.
- 3) "Reaction of 3,4,4,5-tetrachloro-4*H*-1,2,6-thiadiazine with benzyltriethylammonium Chloride" A.S. Kalogirou, M. Manoli, P.A. Koutentis, *Tetrahedron Lett.*, 2018, **59**, 3589-3593.
- 4) "Redox Active Quinoidal 1,2,4-Benzotriazines" G.A. Zissimou, A. Kourtellaris, M. Manoli, P.A. Koutentis, *J. Org. Chem.*, 2018, **83**, 9391-9402. **FEATURED IN ACS EDITORS' CHOICE**  
<https://pubs.acs.org/doi/10.1021/acs.joc.8b01311>
- 5) "Pd-catalyzed C-N Coupling of Primary (Het)arylamines with 5-Substituted 3-Chloro-4*H*-1,2,6-thiadiazin-4-ones" A.S. Kalogirou, P.A. Koutentis, *Tetrahedron Lett.*, 2018, **59**, 2653-2656.
- 6) "The Conversion of 5,5'-Bi(1,2,3-dithiazolylienes) into Isothiazolo[5,4-*d*]isothiazoles" L.S. Konstantinova, I.V. Baranovsky, V.V. Strunyasheva, A.S. Kalogirou, V.V. Popov, K.A. Lyssenko, P.A. Koutentis, O.A. Rakitin, *Molecules*, 2018, **23**, 1257 (article no.) 13 pages.
- 7) "1,2,6-Thiadiazinones as Novel Narrow Spectrum Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CaMKK2) Inhibitors" C.R.M. Asquith, P.H. Godoi, R.M. Couñago, T. Laitinen, J.W. Scott, C.G. Langendorf, J.S. Oakhill, D.H. Drewry, W.J. Zuercher, P.A. Koutentis, T.M. Willson, A.S. Kalogirou, *Molecules*, 2018, **23**, 1221 (article no.) 23 pages.
- 8) "5,6,7,8-Tetrafluoro-1-(2-nitrophenyl)-3-phenyl-1*H*-benzo[*e*][1,3,4]oxadiazine" G.A. Zissimou, A. Kourtellaris, P.A. Koutentis, *Molbank*, 2018, **2018**, M997 (article no.) 8 pages.
- 9) "Synthesis and Characterization of Isodiphenylfluorindone and Isodiphenylfluorindinone" G.A. Zissimou, A. Kourtellaris, P.A. Koutentis, *J. Org. Chem.*, 2018, **83**, 4754-4761.
- 10) "5,5'-Bis[5-(9-decyl-9*H*-carbazol-3-yl)thien-2-yl]-4*H*,4'*H*-[3,3'-bi(1,2,6-thiadiazine)]-4,4'-dione" A.S. Kalogirou, P.A. Koutentis *Molbank*, 2018, **2018**, M987 (article no.) 5 pages.
- 11) "Anti-cancer Activity of Phenyl and Pyrid-2-yl 1,3-Substituted Benzo[1,2,4]triazin-7-ones and Stable Free Radical Precursors" L.-A. J. Keane, S.I. Mirallai, M. Sweeney, M.P. Carty, G.A. Zissimou, A.A. Berezin, P.A. Koutentis, F. Aldabbagh *Molecules*, 2018, **23**, 574 (article no.) 8 pages.
- 12) "4*H*-1,2,6-Thiadiazine-containing donor-acceptor conjugated polymers: synthesis, optoelectronic characterization and use in organic solar cells" C.L. Chochos, A.S. Kalogirou, T. Ye, E. Tatsi, A. Katsouras, G.A. Zissimou, V.G. Gregoriou, A. Avgeropoulos, P.A. Koutentis *J. Mater. Chem. C*, 2018, **6**, 3658-3667.
- 13) "Oxidation of Isodiphenylfluorindine: Routes to 13-Oxoisodiphenylfluorindinium Perchlorate, and Fluorindine Cruciform Dimers" G.A. Zissimou, A. Kourtellaris, P.A. Koutentis *Org. Lett.*, 2018, **20**, 844-847.
- 14) "*N*<sup>1</sup>-(5-Fluoro-2,4-dinitrophenyl)-*N*<sup>2</sup>-phenyl-4-(trifluoromethyl)benzene-1,2-diamine" G.A. Zissimou, P.A. Koutentis *Molbank*, 2017, **2017**, M967.

- 15) “Potent inhibitors of human LAT1 (SLC7A5) transporter based on dithiazole and dithiazine compounds for development of anticancer drugs” L. Napolitano, M. Scalise, M. Koyioni, P. Koutentis, M. Catto, I. Eberini, C. Parravicini, L. Palazzolo, L. Pisani, M. Galluccio, L. Console, A. Carotti, C. Indiveri, *Biochem. Pharmacol. (Amsterdam, Neth.)*, 2017, **143**, 39-52.
- 16) “Emission from the stable Blatter radical” G. Karekla, P. Papagiorgis, N. Panayi, G.A. Zissimou, C.P. Constantinides, P.A. Koutentis, G. Itskos, S.C. Hayes, *New J. Chem.*, 2017, **41**, 8604-8613.
- 17) “Preparation of Blatter Radicals *via* Aza-Wittig Chemistry: The Reaction of *N*-Arylimino-phosphoranes and 1-(Het)aroyl-2-aryldiazenes” A.C. Savva, G.A. Zissimou, S.I. Mirallai, A.A. Berezin, M. Demetriades, C.P. Constantinides, C. Nicolaidis, T. Trypiniotis, P.A. Koutentis, *J. Org. Chem.*, 2017, **82**, 7564–7575.
- 18) “A One-pot Two-step Synthesis of 3-Deazacanthin-4-ones *via* Sequential Pd-catalyzed Suzuki–Miyaura and Cu-catalyzed Buchwald-Hartwig Reactions” E. Broumidis, P.A. Koutentis, *Tetrahedron Lett.*, 2017, **58**, 2661-2664.
- 19) “Two-step conversion of 3,4,4,5-tetrachloro-4*H*-1,2,6-thiadiazine into 4,5,6-trichloropyrimidine-2-carbonitrile” A.S. Kalogirou, M. Manoli, P.A. Koutentis, *Tetrahedron Lett.*, 2017, **58**, 2618-2621.
- 20) “Synthesis of 5,5'-diarylimino quinoidal 2,2'-bithiazoles” M. Koyioni, P.A. Koutentis, *Org. Lett.*, 2017, **1**, 174-177.
- 21) “4-Chloro-6-ethoxy-2-(methylthio)pyrimidine” A.S. Kalogirou, P.A. Koutentis, *Molbank*, 2017, **2017**, M923.
- 22) “Synthesis and Photophysical Studies of a Low-Symmetry Tribenzoisothiazoloporphyrazine” D. Molina, M.E. El-Khouly, S. Ioannou, A.S. Kalogirou, P.A. Koutentis, Á. Sastre-Santos, *J. Porphyrins Phthalocyanines*, 2016, **20**, 1090-1097.
- 23) “Evaluation of PVP/Au Nanocomposite Fibers as Heterogeneous Catalysts in Indole Synthesis” I. Savva, A.S. Kalogirou, M. Achilleos, E. Vasile, P.A. Koutentis, T. Krasia-Christoforou, *Molecules*, 2016, **21**, 1218 (article no.) 13 pages.
- 24) “The acid and/or thermal mediated ring contraction of 4*H*-1,2,6-thiadiazines to afford 1,2,5-thiadiazoles” A.S. Kalogirou, A. Kourtellaris, P.A. Koutentis, *Org. Lett.*, 2016, **18**, 4056-4059.
- 25) “Professor Oleg Alekseevich Rakitin: A Tribute” *ARKIVOC*, 2017, (iii), 1-7.
- 26) “Structurally-Defined 3D Nanocomposite Polymer Networks: Versatile Heterogeneous Catalytic Platform in Organic Synthesis” A.S. Kalogirou, M. Achilleos, C. Procopiou, E. Vasile, P.A. Koutentis, T. Krasia-Christoforou, *ChemistrySelects*, 2016, **1**, 2635–2641.
- 27) “Discovery of anti-cancer activity for benzo[1,2,4]triazin-7-ones, very strong correlation to pleurotin and thioredoxin reductase inhibition” M. Sweeney, R. Coyle, P. Kavanagh, A.A. Berezin, D. Lo Re, G.A. Zissimou, P.A. Koutentis, M.P. Carty, F. Aldabbagh, *Bioorg. Med. Chem.*, 2016, **24**, 3565-3570.
- 28) “Substitution chemistry of 3,5-dichloro-4*H*-1,2,6-thiadiazine 4,4-ketals” A.S. Kalogirou, P.A. Koutentis, *Tetrahedron Lett.*, 2016, **57**, 3307-3310.

- 29) “The suppression of columnar  $\pi$ -stacking in 3-adamantyl-1-phenyl-1,4-dihydrobenzo[*e*][1,2,4]-triazin-4-yl” C.P. Constantinides, A. Berezin, G.A. Zissimou, M. Manoli, G. Leitus, P.A. Koutentis, *Molecules*, 2016, **21**, 636 (article no.) 7 pages. **[INVITED PAPER]**
- 30) “Oxidation of Tetraphenylhexaazaanthracene: Accessing a Scissor Dimer of a  $16\pi$  Biscyanine” G.A. Zissimou, C.P. Constantinides, M. Manoli, G.K. Pieridou, S.C. Hayes, P.A. Koutentis, *Org. Lett.*, 2016, **18**, 1116-1119.
- 31) “The Reaction of DABCO with 4-Chloro-5*H*-1,2,3-dithiazoles: Synthesis and Chemistry of 4-[*N*-(2-Chloroethyl)piperazin-1-yl]-5*H*-1,2,3-dithiazoles” M. Koyioni, M. Manoli, P.A. Koutentis, *J. Org. Chem.*, 2016, **81**, 615-631.
- 32) “Regioselective geminal dichloride reactivity of 3,4,4,5-tetrachloro-4*H*-1,2,6-thiadiazine: access to 4,4-dioxo- and dithio-ketals” A.S. Kalogirou, P.A. Koutentis, *Tetrahedron Lett.*, 2016, **57**, 203-205.
- 33) “Coordination Complexes of a Neutral 1,2,4-Benzotriazinyl Radical Ligand: Synthesis, Molecular and Electronic Structures, and Magnetic Properties” I.S. Morgan, A. Mansikkamäki, G.A. Zissimou, P.A. Koutentis, M. Rouzières, R. Clérac, H.M. Tuononen, *Chem. Eur. J.*, 2015, **21**, 15843-15853.
- 34) “The reaction of 2-amino-*N'*-arylbenzamidines with tetracyanoethene reinvestigated: Routes to imidazoles, quinazolines and quinolino[2',3':4,5]imidazo[1,2-*c*]quinazoline-8-carbonitrile” S.I. Mirallai, M. Manoli, P.A. Koutentis, *Tetrahedron*, 2015, **71**, 8766-8780.
- 35) “The conversion of 4-anilinoquinazoline- and 3-aryl-4-imino-3,4-dihydro-quinazoline-2-carbonitriles into benzo[4,5]imidazo[1,2-*c*]quinazoline-6-carbonitriles *via* oxidative and non-oxidative C-N couplings” S.I. Mirallai, P.A. Koutentis, *J. Org. Chem.*, 2015, **80**, 8329-8340.
- 36) “Synthesis of *N*-aryl-3,5-dichloro-4*H*-1,2,6-thiadiazin-4-imines from 3,4,4,5-tetrachloro-4*H*-1,2,6-thiadiazine” A.S. Kalogirou, M. Manoli, P.A. Koutentis, *Org. Lett.*, 2015, **17**, 4118-4121.
- 37) “Tetraphenylhexaazaanthracenes:  $16\pi$  Weakly Antiaromatic Species with Singlet Ground States” C.P. Constantinides, G.A. Zissimou, A.A. Berezin, T.A. Ioannou, M. Manoli, D. Tsokkou, E. Theodorou, S.C. Hayes, P.A. Koutentis, *Org. Lett.*, 2015, **17**, 4026-4029. **HIGHLIGHTED IN SYNFACTS 2015, 11(10), 1049 (CONTRIBUTORS: T. M. SWAGER AND V. SCHRÖDER)**
- 38) “Ring transformations of 2-hydroxy-(4-chloro-5*H*-1,2,3-dithiazol-5-ylideneamino)arenes” A.S. Kalogirou, S.S. Michaelidou, M. Koyioni, P.A. Koutentis, *Tetrahedron*, 2015, **71**, 7181-7190. **[INVITED PAPER]**
- 39) “A qualitative comparison of the reactivities of 3,4,4,5-tetrachloro-4*H*-1,2,6-thiadiazine and 4,5-dichloro-1,2,3-dithiazolium chloride” A.S. Kalogirou, P.A. Koutentis, *Molecules*, 2015, **20**, 14576-14594.
- 40) “1,2,3-Dithiazoles – new reversible melanin synthesis inhibitors: a chemical genomics study” A. Charalambous, M. Koyioni, I. Antoniadis, D. Pegeioti, I. Eleftheriou, S.S. Michaelidou, S.A. Amelichev, L.S. Konstantinova, O.A. Rakitin, P.A. Koutentis, P.A. Skourides, *MedChemComm*, 2015, **6**, 935-946. **2015 MEDCHEMCOMM HOT ARTICLE**

- 41) “4*H*-1,2,6-Thiadiazin-4-one-containing small molecule donors and additive effects on their performance in solution-processed organic solar cells” F. Hermerschmidt, A.S. Kalogirou, J. Min, G.A. Zissimou, S.M. Tuladhar, T. Ameri, H. Faber, G. Itskos, S.A. Choulis, T.D. Anthopoulos, D.D.C. Bradley, J. Nelson, C.J. Brabec, P.A. Koutentis, *J. Mater. Chem. C*, 2015, **3**, 2358-2365.
- 42) “Transformation of 2-(4-chloro-5*H*-1,2,3-dithiazol-5-ylideneamino)-6-ethoxy-4-phenylpyridine-3,5-dicarbonitrile into 4-aminopyrido[2,3-*d*]pyrimidines and 2-(pyrid-2-yl)guanidines” A.S. Kalogirou, S.S. Michaelidou, A.J.P. White, P.A. Koutentis, *Tetrahedron*, 2015, **71**, 1799-1807.
- 43) “Spectroscopic characterization of C-4 substituted 3,5-dichloro-4*H*-1,2,6-thiadiazines” E. Theodorou, H.A. Ioannidou, T.A. Ioannou, A.S. Kalogirou, C.P. Constantinides, M. Manoli, P.A. Koutentis, S.C. Hayes, *RSC Adv.*, 2015, **5**, 18471-18481.
- 44) “Synthesis of Fused 1,2,4-Dithiazines and 1,2,3,5-Trithiazepines” M. Koyioni, M. Manoli and P.A. Koutentis, *J. Org. Chem.*, 2014, **79**, 9717-9727.
- 45) “Synthesis of 2-(4*H*-1,2,6-thiadiazin-4-ylidene)malononitriles” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2014, **70**, 8334-8342.
- 46) “PVP-crosslinked electrospun membranes with embedded Pd and Cu<sub>2</sub>O nanoparticles as effective heterogeneous catalytic supports” I. Savva, A.S. Kalogirou, A. Chatzinicolaou, P. Papaphilippou, A. Pantelidou, E. Vasile, P.A. Koutentis and T. Krasia-Christoforou, *RSC Adv.*, 2014, **4**, 44911-44921.
- 47) “Reactions of selected 3-bromoisothiazole-5-carbonitriles with the secondary dialkylamines pyrrolidine and morpholine” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2014, **70**, 7092-7099.
- [INVITED PAPER]**
- 48) “A Magnetostructural Investigation of an Abrupt Spin-Transition for 1-Phenyl-3-trifluoromethyl-1,4-dihydro-benzo[*e*][1,2,4]triazin-4-yl” C.P. Constantinides, A.A. Berezin, G.A. Zissimou, M. Manoli, G.M. Leitus, M. Bendikov, M.R. Probert, J.M. Rawson and P.A. Koutentis, *J. Am. Chem. Soc.*, 2014, **136**, 11906-11909. **FEATURED IN JACS SPOTLIGHTS**  
<http://pubs.acs.org/doi/pdf/10.1021/ja5084738>
- 49) “Silver Mediated Direct C-H Arylation of 3-Bromoisothiazole-5-carbonitrile” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2014, **70**, 6796-6802.
- 50) “Reinvestigating the reaction of 1*H*-pyrazol-5-amines with 4,5-dichloro-1,2,3-dithiazolium chloride: A route to pyrazolo[3,4-*c*]isothiazoles and pyrazolo[3,4-*d*]thiazoles” M. Koyioni, M. Manoli, M.J. Manolis and P.A. Koutentis, *J. Org. Chem.*, 2014, **79**, 4025-4037.
- 51) “Structural, Magnetic and Computational Correlations of Some Imidazolo-fused 1,2,4-Benzotriazinyl Radicals” C.P. Constantinides, A.A. Berezin, M. Manoli, G.M. Leitus, G.A. Zissimou, M. Bendikov, J.M. Rawson and P.A. Koutentis, *Chem. Eur. J.*, 2014, **20**, 5388-5396.  
**ARTICLE SELECTED FOR THE WILEY-VCH HOT TOPIC ON MAGNETIC MATERIALS** <http://www.wiley-vch.de/util/hottopics/magnetic/>
- 52) “Benzotriazinyl-Mediated Controlled Radical Polymerisation of Styrene” M. Demetriou, A.A. Berezin, P.A. Koutentis and T. Krasia-Christoforou, *Polym. Int.*, 2014, **63**, 674-679.

- 53) “Effective Exchange Coupling in Alternating-Chains of a  $\pi$ -Extended 1,2,4-Benzotriazin-4-yl” C.P. Constantinides, A.A. Berezin, M. Manoli, G.M. Leitus, M. Bendikov, J.M. Rawson and P.A. Koutentis, *New J. Chem.*, 2014, **38**, 949-954. **HIGHLIGHTED IN MEET OUR AUTHORS 03/2014** <http://blogs.rsc.org/nj/2014/03/20/meet-our-authors-february-march-2014/>
- 54) “Ring contraction of 1,3-diphenylbenzo[1,2,4]triazinyl radicals to 1,2-diphenylbenzimidazoles” A.A. Berezin and P.A. Koutentis, *Org. Biomol. Chem.*, 2014, **12**, 1641-1648.
- 55) “Ring Transformation of (4-Chloro-5*H*-1,2,3-dithiazol-5-ylidene)acetonitriles to 3-Haloisothiazole-5-carbonitriles” A.S. Kalogirou, I.C. Christoforou, H.A. Ioannidou, M.J. Manos and P.A. Koutentis, *RSC Adv.*, 2014, **4**, 7735-7748.
- 56) “Route to benzo- and pyrido-fused 1,2,4-triazinyl radicals via *N'*-(het)aryl-*N'*-[2-nitro(het)aryl]-hydrazides” A.A. Berezin, G. Zissimou, C.P. Constantinides, Y. Beldjoudi, J.M. Rawson and P.A. Koutentis, *J. Org. Chem.*, 2014, **79**, 314-327.
- 57) “One-step conversion of 2-amino-*N'*-arylbenzamidines into 3-aryl-4-imino-3,4-dihydroquinazoline-2-carbonitriles using 4,5-dichloro-1,2,3-dithiazolium chloride” S.I. Mirallai, M.J. Manos and P.A. Koutentis, *J. Org. Chem.*, 2013, **78**, 9906-9913.
- 58) “Manipulating the singlet-triplet energy gaps of arene-fused bis(1,2,3-dithiazoles): a computational study” C.P. Constantinides, T.A. Ioannou, P.A. Koutentis, *Polyhedron*, 2013, **64**, 172-180.
- 59) “Synthesis and properties of imidazolo-fused benzotriazinyl radicals” A.A. Berezin, C.P. Constantinides, S.I. Mirallai, M. Manoli, L.L. Cao, J.M. Rawson, P.A. Koutentis, *Org. Biomol. Chem.*, 2013, **11**, 6780-6795.
- 60) “Reactions of tetracyanoethylene with *N'*-arylbenzamidines: A route to 2-phenyl-3*H*-imidazo[4,5-*b*]quinoline-9-carbonitriles” S.I. Mirallai, M. Manoli and P.A. Koutentis, *J. Org. Chem.*, 2013, **78**, 8655-8668. **HIGHLIGHTED IN SYNFACTS 2013, 9(12), 1270 (CONTRIBUTORS: V. SNIIECKUS AND T. RANTANEN)**
- 61) “Spin-triplet excitons in 1,3-diphenyl-7-(fur-2-yl)-1,4-dihydro-1,2,4-benzotriazin-4-yl” C.P. Constantinides, E. Carter, D.M. Murphy, M. Manoli, G.M. Leitus, M. Bendikov, J.M. Rawson and P.A. Koutentis, *Chem. Commun.*, 2013, **49**, 8662-8664.
- 62) “Identifying Potential Candidates for Donor-Acceptor Copolymers on a Series of 4*H*-1,2,6-Thiadiazines: An Electrochemical Approach” S.P. Economopoulos, P.A. Koutentis, H.A. Ioannidou, S.A. Choulis, *Electrochimica Acta*, 2013, **107**, 448-453.
- 63) “Novel BODIPY-based conjugated polymers donors for organic photovoltaic applications” S.P. Economopoulos, C.L. Chochos, H.A. Ioannidou, M. Neophytou, C. Charilaou, G.A. Zissimou, J.M. Frost, T. Sachetan, M. Shahid, J. Nelson, M. Heeney, D.D.C. Bradley, G. Itskos, P.A. Koutentis, S.A. Choulis, *RSC Adv.*, 2013, **3**, 10221-10229.
- 64) “The conversion of [(4-chloro-5*H*-1,2,3-dithiazol-5-ylidene)amino]azines into azine fused thiazole-2-carbonitriles” P.A. Koutentis, M. Koyioni, S.S. Michaelidou, *Org. Biomol. Chem.*, 2013, **11**, 621-629.



- 65) “Antiferromagnetic Interactions in 1D Heisenberg Linear Chains of 7-(4-Fluorophenyl) and 7-Phenyl Substituted 1,3-Diphenyl-1,4-dihydro-1,2,4-benzotriazin-4-yl radicals” C.P. Constantinides, P.A. Koutentis and J.M. Rawson, *Chem. Eur. J.*, 2012, **18**, 15433-15438.
- 66) “3,5-Bis(4-dodecylthiophen-2-yl)-4H-1,2,6-thiadiazin-4-one” H.A. Ioannidou and P.A. Koutentis, *Molbank*, 2012, **2012**, M784.
- 67) “From Blatter Radical to 7-Substituted 1,3-Diphenyl-1,4-dihydrothiazolo[5',4':4,5]benzo[1,2-*e*]-[1,2,4]triazin-4-yls: Toward Multifunctional Materials” A.A. Berezin, C.P. Constantinides, C. Drouza, M. Manoli, P.A. Koutentis, *Org. Lett.*, 2012, **14**, 5586-5589.
- 68) “Design, synthesis and biological evaluation of benzo[*e*][1,2,4]triazin-7(1H)-one and [1,2,4]-triazino[5,6,1-*jk*]carbazol-6-one derivatives as dual inhibitors of beta-amyloid aggregation and acetyl/butyryl cholinesterase” M. Catto, A.A. Berezin, D. Lo Re, G. Loizou, M. Demetriades, A. De Stradis, F. Campagna, P.A. Koutentis, A. Carotti, *Eur. J. Med. Chem.*, 2012, **58**, 84-97.
- 69) “Inactivation by 1,2,3-dithiazoles of the glutamine/amino acid transporter (ASCT2): a valuable approach to anticancer therapy” F. Oppedisano, M. Catto, P.A. Koutentis, O. Nicolotti, L. Pochini, M. Koyioni, A. Introcaso, S.S. Michaelidou, A. Carotti, C. Indiveri, *Toxicol. Appl. Pharm.*, 2012, **265**, 93-102.
- 70) “3-Chloro-5-(4-dodecylthiophen-2-yl)-4H-1,2,6-thiadiazin-4-one” H.A. Ioannidou and P.A. Koutentis, *Molbank*, 2012, **2012**, M782.
- 71) “Synthesis of Asymmetric 3,5-Diaryl-4H-1,2,6-Thiadiazin-4-ones via Suzuki-Miyaura and Stille Coupling Reactions” H.A. Ioannidou and P.A. Koutentis, *Tetrahedron*, 2012, **68**, 7380-7385.
- 72) “2-(2,3,4,5,6-Pentafluorophenyl)-1H-benzo[*d*]imidazole, a fluorine-rich building block for the preparation of conjugated polymer donors for organic solar cell applications” M. Neophytou, H.A. Ioannidou, T.A. Ioannou, C.L. Chochos, S.P. Economopoulos, P.A. Koutentis, G. Itskos, S.A. Choulis, *Polym. Chem.*, 2012, **3**, 2236-2243. **TOP 10 MOST READ POLYMER CHEMISTRY ARTICLE IN JUNE 2012**
- 73) “Ferromagnetic Interactions in a 1D Alternating Linear Chain of  $\pi$ -Stacked 1,3-Diphenyl-7-(thien-2-yl)-1,4-dihydro-1,2,4-benzotriazin-4-yl Radicals” C.P. Constantinides, P.A. Koutentis and J.M. Rawson, *Chem. Eur. J.*, 2012, **18**, 7109-7116.
- 74) “Substitution at C-4 in 3,5-Disubstituted 4H-1,2,6-Thiadiazin-4-ones” H.A. Ioannidou and P.A. Koutentis, *Tetrahedron*, 2012, **68**, 2590-2597.
- 75) “Some Cyclization Reactions of 1,3-Diphenylbenzo[*e*][1,2,4]triazin-7(1H)-one: Preparation and Computational Analysis of Non Symmetrical Zwitterionic Biscyanines” T.A. Ioannou, P.A. Koutentis, H. Krassos, G. Loizou, D. Lo Re, *Org. Biomol. Chem.*, 2012, **10**, 1339-1348. **OBC HOT ARTICLE**
- 76) “Selective Stille Coupling Reactions of 3-Chloro-5-halo(pseudohalo)-4H-1,2,6-thiadiazin-4-ones” H.A. Ioannidou, C. Kizas, P.A. Koutentis, *Org. Lett.*, 2011, **13**, 5886-5889.

- 77) "Synthesis of [(4-Chloro-5*H*-1,2,3-dithiazol-5-ylidene)amino]azines" P.A. Koutentis, M. Koyioni and S.S. Michaelidou, *Molecules*, 2011, **16**, 8992-9002.
- 78) "Synthesis of Triazafluoranthrenones *via* Silver (I) Mediated Non-oxidative and Oxidative Intramolecular Palladium Catalyzed Cyclizations" P.A. Koutentis, G. Loizou and D. Lo Re, *J. Org. Chem.*, 2011, **76**, 5793-5802.
- 79) "1,3-Diphenylbenzo[*e*][1,2,4]triazin-7(1*H*)-one: Selected Chemistry at the C-6, C-7 and C-8 Positions" P.A. Koutentis, H. Krassos and D. Lo Re, *Org. Biomol. Chem.*, 2011, **9**, 5228-5237.
- 80) "Palladium Catalyzed C-C Coupling Reactions of 3,5-Dichloro-4*H*-1,2,6-thiadiazin-4-one" H.A. Ioannidou, C. Kizas, P.A. Koutentis, *Org. Lett.*, 2011, **13**, 3466-3469.
- 81) "Synthesis of Sulfur Containing Analogues of the Soluble Guanylate Cyclase Inhibitor 8-Bromo-4*H*-[1,2,4]oxadiazolo[3,4-*c*][1,4]benzoxazin-1-one NS2028" A.A. Berezin, P.A. Koutentis and M.J. Manos, *Tetrahedron*, 2011, **67**, 5437-5443.
- 82) "A Three-Step Synthesis of Ethyl Canthinone-3-carboxylates from Ethyl 4-Bromo-6-methoxy-1,5-naphthyridine-3-carboxylate *via* a Pd-Catalyzed Suzuki-Miyaura Coupling and a Cu-Catalyzed Amidation Reaction" H.A. Ioannidou, A. Martin, A. Gollner and P.A. Koutentis, *J. Org. Chem.*, 2011, **76**, 5113-5122.
- 83) "8-[2-Chloro-5-(trifluoromethyl)phenyl]-4*H*-[1,2,4]oxadiazolo[3,4-*c*][1,4]benzoxazin-1-one" A.A. Berezin and P.A. Koutentis, *Molbank*, 2011, **2011**, M728.
- 84) "Suzuki-Miyaura Reactions of the Soluble Guanylate Cyclase Inhibitor NS2028: A Non Product Specific Route to C-8 Substituted Analogues" A.A. Berezin and P.A. Koutentis, *Tetrahedron*, 2011, **67**, 4069-4078.
- 85) "Regioselective Hydrodehalogenation of 3,5-Dihaloisothiazole-4-carbonitriles: Synthesis of 3-Haloisothiazole-4-carbonitriles" H.A. Ioannidou and P.A. Koutentis, *Tetrahedron*, 2011, **67**, 3348-3354.
- 86) "Synthesis of 7-aryl/heteraryl-1,3-diphenyl-1,2,4-benzotriazinyls *via* palladium catalyzed Stille and Suzuki-Miyaura reactions" C.P. Constantinides, P.A. Koutentis and G. Loizou, *Org. Biomol. Chem.*, 2011, **9**, 3122-3125.
- 87) "Characterization and Magnetic Properties of a "Super Stable" Radical 1,3-Diphenyl-7-trifluoromethyl-1,4-dihydro-1,2,4-benzotriazin-4-yl" C.P. Constantinides, P.A. Koutentis, H. Krassos, J.M. Rawson, A.J. Tasiopoulos, *J. Org. Chem.*, 2011, **76**, 2798-2806.
- 88) "Silver Mediated Palladium Catalyzed Direct C-H Arylation of 3-Bromoisothiazole-4-carbonitrile" H.A. Ioannidou and P.A. Koutentis, *Org. Lett.*, 2011, **13**, 1510-1513.
- 89) "Ligand - based virtual screening procedure for the prediction and the identification of novel  $\beta$ -amyloid aggregation inhibitors using Kohonen maps and Counterpropagation Artificial Neural Networks" A. Afantitis, G. Melagraki, P.A. Koutentis, H. Sarimveis, G. Kollias, *Eur. J. Med. Chem.*, 2011, **46**, 497-508.

- 90) “In silico exploration for identifying structure – activity relationship of MEK inhibition and oral bioavailability for isothiazole derivatives” G. Melagraki, A. Afantitis, H. Sarimveis, O. Igglessi-Markopoulou, P.A. Koutentis, G. Kollias, *Chem. Bio. Drug Design*, 2010, **76**, 397-406.
- 91) “3-Amino-6-ethoxy-4-phenyl-1*H*-pyrrolo[2,3-*b*]pyridine-2,5-dicarbonitrile” P.A. Koutentis and S.S. Michaelidou, *Molbank*, 2010, **2010**, M691.
- 92) “(Z)-2-(4-Chloro-5*H*-1,2,3-dithiazol-5-ylideneamino)-6-ethoxy-4-phenylpyridine-3,5-dicarbonitrile” P.A. Koutentis and S.S. Michaelidou, *Molbank*, 2010, **2010**, M690.
- 93) “The conversion of 2-cyano cyanothioformanilides into 3-aminoindole-2-carbonitriles using triphenylphosphine” P.A. Koutentis and S.S. Michaelidou, *Tetrahedron*, 2010, **66**, 6032-6039.
- 94) “Reinvestigating the Synthesis of *N*-Arylbenzamidines from Benzotriazoles and Anilines in the Presence of AlCl<sub>3</sub>” P.A. Koutentis, S.I. Mirallai, *Tetrahedron*, 2010, **66**, 5134-5139.
- 95) “Catalytic Oxidation of *N*-Phenylamidrazones to 1,3-Diphenylbenzo[1,2,4]triazinyls: An Improved Synthesis of Blatter’s Radical” P.A. Koutentis and D. Lo Re, *Synthesis*, 2010, 2075-2079.
- 96) “A combined LS-SVM & MLR QSAR workflow for predicting the inhibition of CXCR3 receptor by quinazolinone analogs” A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, O. Igglessi-Markopoulou and G. Kollias, *Molecular Diversity*, 2010, **14**, 225-235.
- 97) “Detosylation of 3-Amino-1-tosylindole-2-carbonitriles using DBU and Thiophenol” S.S. Michaelidou and P.A. Koutentis, *Tetrahedron*, 2010, **66**, 3016-3023.
- 98) “Two-Step Total Syntheses of Canthin-6-one Alkaloids: New One-Pot Sequential Pd-Catalyzed Suzuki-Miyaura Coupling and Cu-Catalyzed Amidation Reaction” A. Gollner and P.A. Koutentis, *Org. Lett.*, 2010, **12**, 1352-1355.
- 99) “The synthesis of pyrrolo[2,3-*c*][1,2,6]thiadiazine-5-carbonitriles from (4*H*-1,2,6-thiadiazin-4-ylidene)malononitriles” A.S. Kalogirou, P.A. Koutentis and M.D. Rikkou, *Tetrahedron*, 2010, **66**, 1817-1820.
- 100) “Microwave assisted synthesis of 3-aminoindole-2-carbonitriles from anthranilonitriles via *N*-unprotected 2-(cyanomethylamino)benzotriazoles” S.S. Michaelidou and P.A. Koutentis, *Tetrahedron*, 2010, **66**, 685-688.
- 101) “The synthesis of 2-cyano cyanothioformanilides from 2-(4-chloro-5*H*-1,2,3-dithiazol-5-ylideneamino)benzotriazoles using DBU” S.S. Michaelidou and P.A. Koutentis, *Synthesis*, 2009, 4167-4174.
- 102) “The Preparation of Percyano-1,3,4-thiadiazole and Percyanothiazole via 1,2,3-Dithiazole Chemistry” I.C. Christoforou, A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 9967-9972.
- 103) “*tert*-Butyl 3-(4-cyano-5-phenylisothiazol-3-yl)carbazate” H.A. Ioannidou and P.A. Koutentis, *Molbank*, 2009, **2009**, M628.
- 104) “3,4,5,6,7,8,9-Heptachlorophenaleno[1,9-*bc*]pyrazole” P.K. Demetriadou and P.A. Koutentis, *Molbank*, 2009, **2009**, M625.

- 105) “The conversion of 2-(4-chloro-5*H*-1,2,3-dithiazolylydenamino)benzonitriles into 3-aminoindole-2-carbonitriles using triphenylphosphine” S.S. Michaelidou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 8428-8433.
- 106) “Predictive QSAR workflow for the *in silico* identification and screening of novel HDAC inhibitors” G. Melagraki, A. Afantitis, H. Sarimveis, P.A. Koutentis, G. Kollias and O. Igglessi-Markopoulou, *Molecular Diversity*, 2009, **13**, 301-311.
- 107) “The conversion of isothiazoles into pyrazoles using hydrazine” H.A. Ioannidou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 7023-7037.
- 108) “The degradation of 4,5-dichloro-1,2,3-dithiazolium chloride in wet solvents” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 6859-6862.
- 109) “The reaction of 4,5-dichloro-1,2,3-dithiazolium chloride with DMSO: an improved synthesis of 4-chloro-1,2,3-dithiazol-5*H*-one” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 6855-6858.
- 110) “The reaction of 4,5-dichloro-1,2,3-dithiazolium chloride with dimethylsulfonium dicyanomethylide: an improved synthesis of (4-chloro-1,2,3-dithiazolylydene)malononitrile” A.S. Kalogirou and P.A. Koutentis, *Tetrahedron*, 2009, **65**, 6850-6854.
- 111) “The reaction of 4,5-dichloro-1,2,3-dithiazolium chloride with sulfimides: a new synthesis of *N*-aryl-1,2,3-dithiazolimines” A.S. Kalogirou and P.A. Koutentis, *Molecules*, 2009, **14**, 2356-2362.
- [INVITED PAPER]**
- 112) “Development and Evaluation of a QSPR Model for the Prediction of Diamagnetic Susceptibility” A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos and O. Igglessi-Markopoulou, *QSAR Comb. Sci.*, 2008, **27**, 432-436.
- 113) “Identification of a series of novel derivatives as potent HCV inhibitors by a ligand – based virtual screening optimized procedure” G. Melagraki, A. Afantitis, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Igglessi-Markopoulou, *Bioorg. Med. Chem.*, 2007, **15**, 7237-7247.
- 114) “3,4,5-Triarylisothiazoles *via* C-C Coupling Chemistry” I.C. Christoforou and P.A. Koutentis, *Org. Biomol. Chem.*, 2007, **5**, 1381-1390.
- 115) “Optimization of Biaryl Piperidine and 4-Amino-2-biarylurea MCH1 Receptor Antagonists using QSAR Modeling, Classification Techniques and Virtual Screening” G. Melagraki, A. Afantitis, H. Sarimveis, P.A. Koutentis, J. Markopoulos and O. Igglessi-Markopoulou, *J. Comput. Aided Mol. Des.*, 2007, **21**, 251-267.
- 116) “A novel QSPR model to predict  $\Theta$ (lower critical solution temperature) in polymer solutions using molecular descriptors” A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Igglessi-Markopoulou, *J. Mol. Model.*, 2007, **13**, 55-64.
- 117) “A Novel Simple QSAR Model for the Prediction of anti-HIV Activity Using Multiple Linear Regression Analysis”, A. Afantitis, G. Melagraki, H. Sarimveis, O. Igglessi-Markopoulou, J. Markopoulos and P.A. Koutentis, *Molecular Diversity*, 2006, **10**, 405-414.

- 118) "A Novel QSAR Model for Evaluating and Predicting the Inhibition Activity of Dipeptidyl Aspartyl Fluoromethylketones" A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Iglessi-Markopoulou, *QSAR Comb. Sci.*, 2006, **25**, 928-935.
- 119) "New Regiospecific Isothiazole C-C Coupling Chemistry" I.C. Christoforou and P.A. Koutentis, *Org. Biomol. Chem.*, 2006, **4**, 3681-3693.
- 120) "A Novel QSAR Model for Predicting Induction of Apoptosis by 4-Aryl-4H-chromenes" A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Iglessi-Markopoulou, *Bioorg. Med. Chem.*, 2006, **14**, 6686-6694.
- 121) "Investigation of substituent effect of 1-(3,3-diphenylpropyl)-piperidinyl phenylacetamides on CCR5 binding affinity using QSAR and virtual screening techniques", A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Iglessi-Markopoulou, *J. Comput. Aided Mol. Des.*, 2006, **20**, 83-95.
- 122) "Prediction of Intrinsic Viscosity in Polymer - Solvent Combinations using a QSPR model" A. Afantitis, G. Melagraki, H. Sarimveis, P.A. Koutentis, J. Markopoulos, O. Iglessi-Markopoulou, *Polymer*, 2006, **47**, 3240-3248.
- 123) "1,2,3-Dithiazole chemistry in heterocyclic synthesis", I.C. Christoforou, P.A. Koutentis, S.S. Michaelidou, *Arkivoc*, 2006 (VII) 207-223. **[INVITED PAPER]**
- 124) "The Preparation and Characterization of 5-Substituted-4-chloro-1,2,3-dithiazolium Salts and their Conversion into 4-Substituted-3-chloro-1,2,5-thiadiazoles", P.A. Koutentis, *Molecules*, 2005, **10**, 346-359. **[INVITED PAPER]**
- 125) "A DFT Study of the Ground State Multiplicities of Linear vs. Angular Polyheteroacenes", C.P. Constantinides, P.A. Koutentis, J. Schatz, *J. Am. Chem. Soc.*, 2004, **126**, 16232-16241.
- 126) "Regiospecific Suzuki coupling of 3,5-dichloroisothiazole-4-carbonitrile", I.C. Christoforou, P.A. Koutentis, C.W. Rees, *Org. Biomol. Chem.*, 2003, **1**, 2900-2907.
- 127) "Liquid Crystalline Phase Behaviour in a Zwitterionic Tetraazapentacene", A.E. Riley, G.W. Mitchell, P.A. Koutentis, M. Bendikov, P. Kaszynki, F. Wudl, S.H. Tolbert, *Adv. Funct. Mater.*, 2003, **13**, 531-540.
- 128) "Regiospecific synthesis of 5,7-disubstituted quinoxalino[2,3-*b*]phenazines", P.A. Koutentis, *Arkivoc*, 2002 (V) 175-191. **[INVITED PAPER]**
- 129) "Reactions of 1,2,3-dithiazoles with halogenated malononitriles", I.C. Christoforou, P.A. Koutentis, C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 2002, 1236-1241.
- 130) "Reaction of Herz salts with malononitrile: a general route to (6*H*-benzo[1,2,3]dithiazol-6-ylidene)-malononitriles" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 2002, 315-319.
- 131) "Perchlorophenalenyl Radical, C<sub>13</sub>Cl<sub>9</sub>: A Modulated Structure with Nine Threefold-Symmetric Molecules in the Asymmetric Unit" P.A. Koutentis, R.C. Haddon, R.T. Oakley, A.W. Cordes and C.P. Brock, *Acta Cryst.* 2001, **B57**, 680-691.

- 132) "Perchlorophenalenyl Radical" P.A. Koutentis, Y. Chen, Y. Cao, T.P. Best, M.E. Itkis, L. Beer, R.T. Oakley, A.W. Cordes, C.P. Brock, and R.C. Haddon, *J. Am. Chem. Soc.*, 2001, **123**, 3864-3871.
- 133) "Cyclisation chemistry of 4*H*-1,2,6-thiadiazines" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 2000, 2601-2607.
- 134) "Chemistry of 4-dicyanomethylene-1,2,6-thiadiazines" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 2000, 1081-1088.
- 135) "Reaction of tetracyanoethylene with SCl<sub>2</sub>; new molecular rearrangements" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 2000, 1089-1094.
- 136) "Reaction of tetracyanoethylene with SCl<sub>2</sub>; new molecular rearrangements" P.A. Koutentis, C.W. Rees, A.J.P. White and D.J. Williams, *J. Chem. Soc., Chem. Commun.*, 2000, 303-304.
- 137) "Polyazaacenes: new tricks for old dogs" F. Wudl, P.A. Koutentis, A. Weitz, B. Ma, T. Strassner, K.N. Houk and S.I. Khan, *Pure Appl. Chem.*, 1999, **71**, 295-302.
- 138) "Chemistry of 4-chloro-5-cyano-1,2,3-dithiazolium chloride" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 1999, 111-117.
- 139) "Conversion of a 1,2,3-dithiazole into a 3*H*-pyrrole-3-thione and a 3*H*-pyrrol-3-ylidene-phosphorane" P.A. Koutentis, C.W. Rees, A.J.P. White and D.J. Williams, *J. Chem. Soc., Perkin Trans. 1*, 1998, 2765-2769.
- 140) "Reactions of tetracyanoethylene oxide with 1,2,3-dithiazoles" P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 1998, 2505-2509.
- 141) "Polymers and oligomers with transverse aromatic groups and strongly constrained chain conformations" R.W. Alder, K.R. Anderson, P.A. Benjes, C.P. Butts, P.A. Koutentis and A. Guy Orpen, *J. Chem. Soc., Chem. Commun.*, 1998, 309-310.
- 142) "New routes to benzothiazoles, isothiazoles and 1,2,3-dithiazoles" K. Emayan, R.F. English, P.A. Koutentis and C.W. Rees, *J. Chem. Soc., Perkin Trans. 1*, 1997, 3345-3349.

#### PROCEEDINGS/MONOGRAPHS (NON-REFEREED)

- 1) "Effects of substitution on the ground-state multiplicities of zwitterionic polyazaacenes: A DFT study combined with broken symmetry approach" C.P. Constantinides and P.A. Koutentis, *Proceedings of the International Conference on the Science and Technology of Synthetic Metals (ICSM 2004)*, University of Wollongong, 2004, ISBN 1741280613.
- 2) "New routes to azafluoranthenes" P.A. Koutentis, A. Gollner, D. Lo Re, G. Loizou, IV International Conference of the CBC series "*Modern Aspects of Chemistry of Heterocycles*" ICSPF PRESS, St Petersburg, 2010, ISBN 978-5-903078-16-5.
- 3) "Recent advances in 3,5-dichloro-4*H*-1,2,6-thiadiazin-4-one chemistry" H.A. Ioannidou, P.A. Koutentis, in book "*Chemistry of Heterocyclic Compounds. Modern Aspects*", Moscow: ICSPF, 2014, vol. 1, p. 25-32.

- 4) “Synthesis of Biological Compounds Against Alzheimer’s Disease” P.A. Koutentis, *Book of Abstracts of The Trends in Drug Research 32<sup>nd</sup> Cyprus-Noordwijkerhout-Camerino Symposium*, Quintessence Enterprises Ltd, Limassol, Cyprus, 2014, p. 78-83, ISBN 978-9963-9615-3-5.

**PRESENTATIONS (Conferences – 21 Invited Lectures)**

- 1) “Improving the Synthesis of Perchlorophenalenyl Radical” P. A. Koutentis, *International Free Radicals and Material Science Workshop (IFRAMS)*, May 14<sup>th</sup> 1999, Lexington, Kentucky, USA.
- 2) “Effects of substitution on the ground-state multiplicities of zwitterionic polyazaacenes: A DFT study combined with broken symmetry approach” Christos P. Constantinides and Panayiotis A. Koutentis, *Proceedings of the International Conference on the Science and Technology of Synthetic Metals (ICSM 2004)*, Jun 27-Jul 2, 2004, Wollongong, Australia. *Presenting Author: C. P. Constantinides.*
- 3) “Controlling The Singlet-Triplet Energy Gap Of A Zwitterionic Tetraazapentacene: The Path To A New Scaffold Motif For Organic Magnetic Materials” Christos P. Constantinides, Panayiotis A. Koutentis, *The 4<sup>th</sup> Younger European Chemists’ Conference*, Aug 24 - 29, 2004. Torino, Italy. *Presenting Author: C. P. Constantinides.*
- 4) “Evolution of the Blatter Radical” P. A. Koutentis, *First North America-Greece-Cyprus Workshop on Paramagnetic Materials*, May 5 - 7, 2005, Nicosia, Cyprus.
- 5) “1,2,3-Dithiazole Chemistry in Heterocyclic Synthesis” Irene C. Christoforou, Panayiotis A. Koutentis, Sophia S. Michaelidou, *20<sup>th</sup> International Congress of Heterocyclic Chemistry*, Jul 31 – Aug 5, 2005, Palermo, Italy. **[INVITED SPEAKER]** *Presenting Author: P. A. Koutentis.*
- 6) “New Isothiazole C-C Coupling Chemistry” Irene C. Christoforou, Panayiotis A. Koutentis, *20<sup>th</sup> International Congress of Heterocyclic Chemistry*, Jul 31 – Aug 5, 2005, Palermo, Italy. *Presenting Author: Irene C. Christoforou.*
- 7) “New Chemistry of N-Heteroaryl-1,2,3-dithiazolimines” Panayiotis A. Koutentis, Sophia S. Michaelidou, *4<sup>th</sup> Euroasian Meeting on Heterocyclic Chemistry*, Aug. 27-31, 2006, Thessaloniki, Greece. **[INVITED SPEAKER]** *Presenting Author: P. A. Koutentis.*
- 8) “Computational And Synthetic Studies On Tetraazapentacenes” Panayiotis A. Koutentis, Theodosia A. Ioannou, Harry K. Krassos, Anastasios J. Tasiopoulos, *2<sup>nd</sup> International Conference on Heterocyclic Chemistry*, Dec. 16-19, 2006, Jaipur, India. **[INVITED SPEAKER]** *Presenting Author: P. A. Koutentis.*
- 9) “Preparation and Chemistry of Benzo[e][1,2,4]triazin-7(1H)-one” Harry K. Krassos and Panayiotis A. Koutentis, *10<sup>th</sup> Ibn Sina Conference of Heterocyclic Chemistry*, Feb. 17-20, 2007, Luxor, Egypt. **[INVITED SPEAKER]** *Presenting Author: P. A. Koutentis.*
- 10) “Recent Developments on Polyazaacene Radicals” Panayiotis A. Koutentis, *2<sup>nd</sup> North America-Greece-Cyprus (NAGC) Workshop on Paramagnetic Materials* Jun. 18-21, 2007, Syros, Greece **[INVITED SPEAKER]** *Presenting Author: P. A. Koutentis.*

- 11) "C-C Coupling Reactions of Isothiazole" Irene C. Christoforou, Heraklidia A. Ioannidou and Panayiotis A. Koutentis *Petra International Conference of Chemistry and Transmediterranean Colloquium of Heterocyclic Chemistry (TRAMECH-5)*, Jun. 25-28, 2007, Tafila, Jordan [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 12) "The Conversion of *N*-Aryl-1,2,3-dithiazolimines into 3-Aminoindole-2-carbonitriles " Panayiotis A. Koutentis, Sophia S. Michaelidou, *5<sup>th</sup> Euroasian Meeting on Heterocyclic Chemistry*, Mar. 01-06, 2008, Kuwait City, Kuwait. [**SELECTED ORAL PRESENTATION (20 min)**] *Presenting Author: P. A. Koutentis.*
- 13) "Structural Diversification of Heteroarene Building Blocks using C-C Coupling Reactions" Panayiotis A. Koutentis, *CNC Conference on New Methods in Drug Research*, May 11-16, 2008, Limassol, Cyprus [**PLENARY SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 14) "New 1,2,3-Dithiazole Chemistry" Panayiotis A. Koutentis, *23<sup>rd</sup> International Symposium on the Organic Chemistry of Sulfur*, Jun 29 – Jul 04, 2008, Moscow, Russia [**SELECTED ORAL PRESENTATION (15 min)**] *Presenting Author: P. A. Koutentis.*
- 15) "Synthesis and Chemistry of New Benzo[1,2,4]triazine Radicals" Panayiotis A. Koutentis, *10<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 09-12, 2009, [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 16) "Synthesis and Chemistry of New Benzo[1,2,4]triazine Radicals" Panayiotis A. Koutentis, *3<sup>rd</sup> North America-Greece-Cyprus (NAGC) Workshop on Paramagnetic Materials* Jun. 15-19, 2009, Protaras, Cyprus [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 17) "Conversion of Isothiazoles into Pyrazoles with Hydrazine", Heraklidia A. Ioannidou and Panayiotis A. Koutentis, *22<sup>nd</sup> International Congress of Heterocyclic Chemistry*, St Johns, Canada, Aug. 2-7, 2009, [**SELECTED ORAL PRESENTATION (20 min)**] *Presenting Author: H. A. Ioannidou.*
- 18) "1,2,3-Dithiazolimines in Synthesis" *3<sup>rd</sup> Advances in Synthetic Chemistry*, Panayiotis A. Koutentis, Munich, Germany, Apr. 8-9, 2010, [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 19) "New routes to azafluoranthenes" *IV International Conference CBC2010 "Modern Aspects of Chemistry of Heterocycles"* P.A. Koutentis, A. Gollner, D. Lo Re, G. Loizou, St Petersburg, Russia, Aug. 2-6, 2010, [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 20) "CHEMISTRY OF 3,5-DICHLORO-4*H*-1,2,6-THIADIAZIN-4-ONE" Panayiotis A. Koutentis, *3<sup>rd</sup> International Conference on Heterocyclic Chemistry*, Dec. 10-13, 2011, Jaipur, India. [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*
- 21) "SELECTED CHEMISTRY OF HALOISOTHIAZOLES" Heraklidia A. Ioannidou and Panayiotis A. Koutentis, *3<sup>rd</sup> International Conference on Heterocyclic Chemistry*, Dec. 10-13, 2011, Jaipur, India. [**SELECTED ORAL PRESENTATION (20 min)**] *Presenting Author: H. A. Ioannidou.*
- 22) "1,2,3-Dithiazole Chemistry in Heterocyclic Synthesis" Panayiotis A. Koutentis, *13<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 04-07, 2012, [**INVITED SPEAKER**] *Presenting Author: P. A. Koutentis.*



- 23) “1,2,3-Dithiazole Chemistry in Heterocyclic Synthesis” Panayiotis A. Koutentis, *2<sup>nd</sup> International Conference on “Emerging Trends in Chemical Sciences” (ETCS-12)* Solapur, India, Nov. 02-04, 2012, **[PLENARY SPEAKER (40 min)]** Presenting Author: P. A. Koutentis.
- 24) “Developments on polyazaacene radicals” Panayiotis A. Koutentis, *12<sup>th</sup> Ibn Sina Conference of Heterocyclic Chemistry*, Luxor, Egypt, Feb. 16-19, 2013, **[INVITED SPEAKER]** Presenting Author: P. A. Koutentis.
- 25) “Developments on polyazaacene radicals” Panayiotis A. Koutentis, *14<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 03-06, 2013, **[SUBSTITUTE - INVITED SPEAKER]** Presenting Author: P. A. Koutentis.
- 26) “Recent Developments on Appel Salt Chemistry” Maria Koyioni and Panayiotis A. Koutentis, *Transmediterranean Colloquium on Heterocyclic Chemistry (Tramech-VII)*, Rabat, Morocco, Nov. 27-30, 2013, **[SELECTED ORAL PRESENTATION (20 min)]** Presenting Author: M. Koyioni.
- 27) “Synthesis of Biological Compounds Against Alzheimer’s Disease” Panayiotis A. Koutentis, *The 32<sup>nd</sup> Cyprus-Camerino-Noordwijkerhout Symposium in Trends in Drug Research*, Limassol, Cyprus, May 18-22, 2014, **[INVITED SPEAKER]** Presenting Author: P. A. Koutentis.
- 28) “Recent Advances in Appel Salt Chemistry” Panayiotis A. Koutentis, *8<sup>th</sup> Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2014)*, Tbilisi, Georgia, Sep. 20-24, 2014, **[INVITED SPEAKER]** Presenting Author: P. A. Koutentis.
- 29) “Recent developments of the chemistry of 1,2,4-benzotriazinyl radicals” Georgia A. Zissimou and Panayiotis A. Koutentis, *8<sup>th</sup> Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2014)*, Tbilisi, Georgia, Sep. 20-24, 2014, **[SELECTED ORAL PRESENTATION (15 min)]** Presenting Author: G. A. Zissimou.
- 30) “New Routes to Azafluoranthenes” Panayiotis A. Koutentis, *13<sup>th</sup> Eurasia Conference on Chemical Sciences (EuAsC2S13)*, Bangalore, India, Dec. 14-18, 2014, **[LEAD SPEAKER (30 min)]** Presenting Author: P. A. Koutentis.
- 31) “Recent Developments in 1,2,4-Benzotriazine Chemistry” *Transatlantic Mini-conference on Radicals and Magnetism Raleigh–Łódź Partners III*, North Carolina State University, Raleigh, USA Mar. 6, 2015, **[INVITED SPEAKER (30 min)]** Presenting Author: P. A. Koutentis.
- 32) “Recent Advances in 1,2,3-Dithiazole Chemistry” Panayiotis A. Koutentis, *International Congress on Heterocyclic Chemistry “KOST-2015”*, Moscow, Russia, Oct. 18-23, 2015, **[INVITED SPEAKER (20 min)]** Presenting Author: P. A. Koutentis.
- 33) “Some chemistry of 3,4,4,5-tetrachloro-4H-1,2,6-thiadiazine” Andreas S. Kalogirou and Panayiotis A. Koutentis, *XVII<sup>th</sup> International Conference on Heterocycles in Bioorganic Chemistry*, Galway, Ireland, May 28-31, 2017, **[INVITED SPEAKER (30 min)]** Presenting Author: P. A. Koutentis.
- 34) “Adventures with S,N-Heterocycles” Maria Koyioni and Panayiotis A. Koutentis, *Frontiers in Chemistry Armenia 2018 (ArmChemFront 2018)*, Yerevan, Armenia, Oct. 21-25, 2018, **[SELECTED ORAL PRESENTATION (15 min)]** Presenting Author: M. Koyioni.

## PRESENTATIONS (Departmental)

- 1) “Unusual Chemistry of Cyano Functionalised Sulfur-Nitrogen Heterocycles” P. A. Koutentis, *Department of Chemistry, University of Mississippi*, April 16<sup>th</sup> 1999. **[INVITED SPEAKER]**
- 2) “The proof of the pudding is in the eating! Synthesis and characterization of theoretically interesting organic materials” P. A. Koutentis, *Department of Chemistry, University of Cyprus*, April 5<sup>th</sup> 2001.
- 3) “Exploring the 1,2,3-Dithiazole to Isothiazole Conversion” P. A. Koutentis, *Department of Chemistry, University of Cyprus*, September 10<sup>th</sup> 2004.
- 4) “New Chemistry of *N*-Heteroaryl-1,2,3-dithiazolines” Panayiotis A. Koutentis, *Department of Chemistry, Indian Institute of Science*, Dec. 21, 2006, Bangalore, India. **[INVITED SPEAKER]**  
*Presenting Author: P. A. Koutentis.*
- 5) “Preparation and Chemistry of Benzo[*e*][1,2,4]triazin-7(1*H*)-one” Harry K. Krassos and Panayiotis A. Koutentis, *Université de La Rochelle*, Oct. 11, 2007, La Rochelle, France. **[INVITED SPEAKER]**  
*Presenting Author: P. A. Koutentis.*
- 6) “Preparation and Characterization of New Polyazaacene Radicals” Panayiotis A. Koutentis, *Department of Chemistry, Indian Institute of Science*, Jan. 14, 2008, Bangalore, India. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 7) “Preparation and Characterization of New Polyazaacene Radicals” Panayiotis A. Koutentis, *Department of Chemistry and Pharmacy & Interdisciplinary Center for Molecular Materials (ICMM), Friedrich-Alexander-Universität Erlangen*, Jul. 22, 2008, Nürnberg, Germany. *Presenting Author: P. A. Koutentis.*
- 8) “Preparation and Characterization of New Polyazaacene Radicals” Panayiotis A. Koutentis, *Department of Chemistry, University of Burgos*, May 27, 2009, Burgos, Spain. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 9) “Preparation and Characterization of New Polyazaacene Radicals” Panayiotis A. Koutentis, *Department of Chemistry, ENS Cachan*, Jun. 04, 2009, Paris, France. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 10) “Preparation and Characterization of New Polyazaacene Radicals” P. A. Koutentis, *Department of Chemistry, University of Cyprus*, August 21<sup>st</sup> 2009. *Presenting Author: P. A. Koutentis.*
- 11) “Preparation and Characterization of New Polyazaacene Radicals” Panayiotis A. Koutentis, *TEPAK Limassol*, Mar. 18, 2011, Limassol, Cyprus. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 12) “New Chemistry of Benzotriazines” Panayiotis A. Koutentis, *University of Bari*, Jun. 20, 2011, Bari, Italy. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 13) “Some Chemistry of 4,5-Dichloro-1,2,3-dithiazolium Chloride (Appel’s Salt)” Panayiotis A. Koutentis, *University of Bari*, May 07, 2012, Bari, Italy. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**

- 14) "Some Chemistry of 1,2,4-Benzotriazine" Panayiotis A. Koutentis, *National University of Ireland, Galway*, Aug 21, 2012, Galway, Ireland. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 15) "Some Chemistry of 1,2,4-Benzotriazine" Panayiotis A. Koutentis, *Weizmann Institute of Science*, Jan 15, 2013, Rehovot, Israel. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 16) "Developments on polyazaacene radicals" Panayiotis A. Koutentis, *Vanderbilt University*, Feb. 28, 2014, Nashville, USA. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 17) "Developments on Polyazaacenes" Panayiotis A. Koutentis, *Friedrich-Schiller-University Jena*, Jun. 18, 2014, Jena, Germany. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 18) "Some Chemistry of 1,2,4-Benzotriazine" Panayiotis A. Koutentis, *University of Jyväskylä*, Jul. 7, 2014, Jyväskylä, Finland. *Presenting Author: P. A. Koutentis.*
- 19) "Adventures in Heterocyclic Chemistry: Sulfur and/or Nitrogen Rich Hetarenes" Panayiotis A. Koutentis, *University of Cyprus*, May 5, 2015, Nicosia, Cyprus. *Presenting Author: P. A. Koutentis.* **[PROMOTION LECTURE]**
- 20) "Adventures in Heterocyclic Chemistry: Sulfur and/or Nitrogen Rich Hetarenes" Panayiotis A. Koutentis, *South Ural State University*, Oct. 12, 2016, Chelyabinsk, Russia. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**
- 21) "Adventures in Heterocyclic Chemistry: Sulfur and/or Nitrogen Rich Hetarenes" Panayiotis A. Koutentis, *Ufa State Petroleum Technological University*, Oct. 13, 2016, Ufa, Russia. *Presenting Author: P. A. Koutentis.* **[INVITED SPEAKER]**

#### **POSTERS/ABSTRACTS**

- 1) "New Routes to S,N-Heterocycles from Polycyano Compounds" P.A. Koutentis, *Hong Kong International Symposium on Heterocyclic Chemistry (Programme and Abstracts)*, Aug. 13-16, 1995, Poster 41, p 411.
- 2) "The Effect of Histone Deacetylase Inhibitors on  $\gamma$  Globin Gene Expression" Pandelis Spyrou, Elena Kkolou, Panayiotis A. Koutentis, George Stamatoyannopoulos and Marina Kleanthous, *11th International Conference on Thalassaemia and the Haemoglobinopathies*, Palermo, Oct. 2003.
- 3) "Controlling The Singlet-Triplet Energy Gap Of A Zwitterionic Tetraazapentacene: The Path To A New Scaffold Motif For Organic Magnetic Materials" Christos P. Constantinides, Panayiotis A. Koutentis, *The 2004 Younger European Chemists' Conference*, Highlights of European Chemistry Research and R&D, Torino Aug. 2004.
- 4) "New Routes to Fully Substituted Pyrido[2,3-*d*]pyrimidines" Sophia S. Michaelidou and Panayiotis A. Koutentis, *6<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Feb. 27 – Mar. 02, 2005, Poster P4.
- 5) "Regioselective Triarylation of Isothiazole" Irene C. Christoforou and Panayiotis A. Koutentis, *6<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Feb. 27 – Mar. 02, 2005, Poster P5.

- 6) “Density Functional Theory study of 3-acyl tetramic acids complexes with metal ions” Georgia Melagraki, Antreas Afantitis, Haralambos Sarimveis, Panayiotis A. Koutentis, John Markopoulos and Olga Igglessi-Markopoulou, *8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005.
- 7) “QSPR Model for the Prediction of Theta (Lower Critical Solution Temperature) in Polymer Solutions using RBF Neural Network Methodology” G. Melagraki, A. Afantitis, H. Sarimveis, O. Igglessi-Markopoulou and P.A. Koutentis, *XXI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών*, Λευκωσία, Αυγ 28-31, 2005.
- 8) “Substituent Effects of the Spin-Coupling Constant Through Different Substituted *m*-Phenylene Diradicals: A Density Functional Theory Study” A. Afantitis, C.P. Constantinides and P.A. Koutentis, *XXI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών*, Λευκωσία, Αυγ 28-31, 2005.
- 9) “Development of QSAR models to predict binding affinity toward hGnRH receptor for uracil derivatives” G. Melagraki, A. Afantitis, H. Sarimveis, O. Igglessi – Markopoulou, J. Markopoulos and P.A. Koutentis, 12<sup>o</sup> Πανελλήνιο Συμπόσιο Φαρμακοχημείας ΠΑΤΡΑ, 27-28 Ιανουαρίου 2006.
- 10) “QSAR studies on *N*-acyl azacyclic ureas HIV-1 proteases inhibitors. Prediction of their antiviral activity” A. Afantitis, G. Melagraki, H. Sarimveis, O. Igglessi – Markopoulou, J. Markopoulos and P.A. Koutentis, 12<sup>o</sup> Πανελλήνιο Συμπόσιο Φαρμακοχημείας ΠΑΤΡΑ, 27-28 Ιανουαρίου 2006.
- 11) “New Chemistry of 1,3-Diphenylbenzo[*e*][1,2,4]triazin-7(1*H*)-one” Harry K. Krassos and Panayiotis A. Koutentis, *7<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 12-15, 2006, Poster P1.
- 12) “New Regiospecific Isothiazole C-C Coupling Chemistry” Irene C. Christoforou and Panayiotis A. Koutentis, *7<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 12-15, 2006, Poster P2.
- 13) “New Routes to Pyrido[2,3-*d*]pyrimidines” Sophia S. Michaelidou, Panayiotis A. Koutentis and Andrew J.P. White, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P63.
- 14) “Preparation and Chemistry of Benzo[*e*][1,2,4]triazin-7(1*H*)-one” Harry K. Krassos and Panayiotis A. Koutentis, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P49.
- 15) “C-C Coupling Reactions of 3,5-Dichloro-4*H*-1,2,6-thiadiazin-4-one” Christos M. Kizas and Panayiotis A. Koutentis, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P44.
- 16) “Computational and Synthetic Studies on Tetraazapentacenes” Theodosia A. Ioannou, Panayiotis A. Koutentis and Anastasios J. Tasiopoulos, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P40.

- 17) “New 1,2,3-Dithiazole Chemistry” Irene C. Christoforou, Panayiotis A. Koutentis and Anastasios J. Tasiopoulos, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P14.
- 18) “Virtual Screening of Biaryl Piperidine and 4-Amino-2-biarylbutylureas as Mch1 Receptor Antagonists Using a Validated QSAR Model and Pharmacophore” Georgia Melagraki, Antreas Afantitis, Haralambos Sarimveis, Panayiotis A. Koutentis, John Markopoulos and Olga Igglessi-Markopoulou, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P61.
- 19) “Investigation of Substituent Effect of Thiazole and Oxodiazole Butanoic Acids as Potent  $\text{Av}\beta\text{3}$  Receptor Antagonists Using QSAR and Virtual Screening Techniques” Antreas Afantitis, Georgia Melagraki, Haralambos Sarimveis, Panayiotis A. Koutentis, John Markopoulos and Olga Igglessi-Markopoulou, *International Symposium on Chemistry, Biology and Medicine*, Paphos, Cyprus, May 28 - June 01, 2006, Poster P01.
- 20) “Optimization of Histone Deacetylase Inhibitors using Classification Techniques and Virtual Screening” Georgia Melagraki, Antreas Afantitis, Haralambos Sarimveis, Panayiotis A. Koutentis, John Markopoulos and Olga Igglessi-Markopoulou, *The 16<sup>th</sup> European Symposium on Quantitative Structure Activity Relationships & Molecular Modeling*, Rome, Italy, Sept. 10-17, 2006.
- 21) “A QSPR Approach to Predict Aromaticity via Diamagnetic Susceptibility” Antreas Afantitis, Georgia Melagraki, Haralambos Sarimveis, Panayiotis A. Koutentis, John Markopoulos and Olga Igglessi-Markopoulou, *The 16<sup>th</sup> European Symposium on Quantitative Structure Activity Relationships & Molecular Modeling*, Rome, Italy, Sept. 10-17, 2006.
- 22) “A novel QSAR model for predicting inhibition of parasite cGMP-dependent protein kinase” G. Melagraki, A. Afantitis, H. Sarimveis, P.A. Koutentis, A. Detsi, J. Markopoulos, O. Igglessi-Markopoulou, *3<sup>rd</sup> COST B22 Annual Congress*, Athens, Greece, Oct. 1-4, 2006.
- 23) “The Conversion of Isothiazole into Pyrazole with Hydrazine” Heraklidia A. Ioannidou and Panayiotis A. Koutentis, *8<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 11-14, 2007, Poster P51.
- 24) “Ανάπτυξη μοντέλων ποσοτικών σχέσεων δομής τοξικότητας (QSTR - QSAR) ως εργαλείων ελέγχου των απαιτήσεων της οδηγίας REACH” Γ. Μελαγράκη, Α. Αφαντίτης, Π.Α. Κουτεντής, Ι. Μαρκόπουλος, Ό. Ιγγλέση-Μαρκοπούλου., *5<sup>ο</sup> Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής*, Athens, Greece, May 31 – Jun. 02, 2007.
- 25) “Σχεδιασμός Υλικών/Πολυμερών με τη βοήθεια ηλεκτρονικών υπολογιστών” Α. Αφαντίτης, Γ. Μελαγράκη, Π.Α. Κουτεντής, Ι. Μαρκόπουλος, Ό. Ιγγλέση-Μαρκοπούλου. *5<sup>ο</sup> Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής*, Athens, Greece, May 31 – Jun. 02, 2007.
- 26) “NEW 1,2,3-DITHIAZOLE CHEMISTRY” Irene C. Christoforou, Panayiotis A. Koutentis, *21<sup>st</sup> International Congress of Heterocyclic Chemistry*, Sydney, Australia, Jul. 15-20, 2007.

- 27) "Optimization of Genotype 1 HCV Polymerase Inhibitors Using QSAR and Virtual Screening Techniques" Antreas Afantitis, Georgia Melagraki, Haralambos Sarimveis, Panayiotis A. Koutentis, and Olga Igglessi-Markopoulou, *Latest Advances in Drug Discovery and Development*, Oct. 15-18, 2007, Philadelphia, USA
- 28) "Identification of a series of novel derivatives as potent histone deacetylase (HDAC) inhibitors by a ligand - based virtual screening optimized procedure" Georgia Melagraki, Antreas Afantitis, Haralambos Sarimveis, Panayiotis A. Koutentis, and Olga Igglessi-Markopoulou, *Latest Advances in Drug Discovery and Development*, Oct. 15-18, 2007, Philadelphia, USA.
- 29) "Further Investigation of the Isothiazole into Pyrazole Conversion" Heraklidia A. Ioannidou and Panayiotis A. Koutentis, *9<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 09-12, 2008, Poster P11.
- 30) "C-C Coupling Reactions of 3,5-Dichloro-4H-1,2,6-thiadiazin-4-one" Christos M. Kizas and Panayiotis A. Koutentis, *9<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 09-12, 2008, Poster P10.
- 31) "Recent Developments on Polyaazaecene Radicals" Panayiotis A. Koutentis, *International Conference on the Science and Technology of Synthetic Metals (ICSM 2008)*, Porto de Galinhas Pernambuco, Brazil, Jul 06-11, 2008, Poster 48.
- 32) "Reactions of 4,5-Dichloro-1,2,3-dithiazolium Chloride with Dimethylsulfuranylidenes, -imines and -oxide" Andreas S. Kalogirou and Panayiotis A. Koutentis, *10<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, Mar. 09-12, 2009, Poster P11.
- 33) "Recent Developments on the 1,2,3-Dithiazole to Isothiazole Conversion" Heraklidia A. Ioannidou, Andreas S. Kalogirou and Panayiotis A. Koutentis, *22<sup>nd</sup> International Congress of Heterocyclic Chemistry*, St Johns, Canada, Aug. 2-7, 2009, Poster PO-34.
- 34) "Multi Objective Structural Optimization of MEK Inhibitors Based on their Inhibition Activity of ADME properties" Georgia Melagraki, Antreas Afantitis, Panayiotis A. Koutentis, and George Kollias, *Workshop on Mouse Immune Phenotyping and 2<sup>nd</sup> International Conference on Animal Models for Human Immunological Disease*, Athens, Greece, Oct. 6-10, 2009.
- 35) "Prediction of MEK Inhibition and Oral Bioavailability of Novel Isothiazole Derivatives Using In Silico Techniques" Georgia Melagraki, Antreas Afantitis, Panayiotis A. Koutentis, and George Kollias, *2<sup>nd</sup> International Conference on Drug Discovery and Therapy*, Dubai, UAE, Feb. 1-4, 2010.
- 36) "New  $\beta$ -amyloid aggregation inhibitors based on the 1,2,4-benzotriazinone scaffold" Daniele Lo Re, Angelo Carotti, and Panayiotis A. Koutentis, *11<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, USA, Mar. 07-10, 2010, Poster P75.
- 37) "Synthesis and Functionalization of Soluble Guanylyl Cyclase Inhibitors ODQ and NS 2028" *3<sup>rd</sup> Advances in Synthetic Chemistry*, Andrey Berezin and Panayiotis A. Koutentis, Munich, Germany, Apr. 8-9, 2010, Poster 108.

- 38) “RECENT DEVELOPMENTS ON POLYAZAACENE RADICALS” 9<sup>th</sup> *International Symposium on Functional Pi-Electron Systems*, Panayiotis A. Koutentis, Georgia Institute of Technology, Atlanta, USA, May 23-28, 2010, Poster PIII-95.
- 39) “Two-Step Total Syntheses of Canthin-6-one Alkaloids: A New One-Pot Sequential Pd-Catalyzed Suzuki-Miyaura Coupling and Cu-Catalyzed Amidation Reaction” *ELEVENTH TETRAHEDRON SYMPOSIUM Frontiers of Organic Chemistry*, Andreas Gollner, Panayiotis A. Koutentis and Aaron Martin, Beijing, China, June 22-25, 2010, Poster PSC.126.
- 40) “Characterisation and Magnetic Properties of the 7-Trifluoromethyl-1,3-diphenylbenzo-1,2,4-triazinyl Radical” Panayiotis A. Koutentis and Christos P. Constantinides, *International Conference on the Science and Technology of Synthetic Metals (ICSM 2010)*, Kyoto, Japan, Jul 04-09, 2010, Poster 5P-150.
- 41) “Investigation of a Thiadiazine-Thiophene Oligomer as Novel Optoelectronic Materials,” Soulianna Kasiouli, Heraklidia A. Ioannidou, Panayiotis A. Koutentis and Sophia C. Hayes, *4th International Symposium on Flexible Organic Electronics*, Thessaloniki, Greece, Jul. 10-13, 2011, Poster 10.
- 42) “New Routes to Canthinones” Andreas Gollner, Heraklidia A. Ioannidou, Panayiotis A. Koutentis, Aaron Martin, *16<sup>th</sup> IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS16)*, Shanghai, China July 24-28, 2011, Poster P-149.
- 43) “Some 3-Aminoindole-2-carbonitrile Chemistry” A. Berezin, P. A. Koutentis and S. S. Michaelidou, *XIV<sup>th</sup> Conference on Heterocycles in Bio-organic Chemistry*, Brno, Czech Republic, Sept 04-08, 2011, Poster P14.
- 44) “Investigation of Thiadiazine-Thiophene Oligomers as Novel Optoelectronic Materials” S. Kasiouli, H. Ioannidou, P. A. Koutentis, F. Paquin and S. C. Hayes, *XXVII Solid State Physics and Materials Science*, Limassol, Cyprus Sept 18-21, 2011, Poster P4.
- 45) “Some 3-Aminoindole-2-carbonitrile Chemistry” A. Berezin, P. A. Koutentis and S. S. Michaelidou, *3<sup>rd</sup> International Conference on Heterocyclic Chemistry*, Dec. 10-13, 2011, Jaipur, India, Poster POS 01.
- 46) “Reaction of 4,5-Dichloro-1,2,3-dithiazolium Chloride with 5-Aminopyrazoles” P. A. Koutentis and M. Koyioni, *13<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, USA, Mar. 04-07, 2012, Poster P7.
- 47) “Some 3-Aminoindole-2-carbonitrile Chemistry” A. Berezin, P. A. Koutentis and S. S. Michaelidou, *13<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, USA, Mar. 04-07, 2012, Poster P8.
- 48) “Some 3-Aminoindole-2-carbonitrile Chemistry” A. Berezin, P. A. Koutentis and S. S. Michaelidou, *12<sup>th</sup> Eurasia Conference on Chemical Sciences*, Corfu, Greece, Apr. 16-21, 2012, Poster S<sub>3</sub> PP12.
- 49) “Some 3-Aminoindole-2-carbonitrile Chemistry” A. Berezin, P. A. Koutentis and S. S. Michaelidou, *XIII RSC-SCI Joint Meeting on Heterocyclic Chemistry*, Catania, Italy, May 10-12, 2012, Poster PO11.

- 50) “Characterization and Magnetic Properties of Novel 1,2,4-Benzotriazinyl Radicals” C. P. Constantinides, P. A. Koutentis, *International Conference on the Science and Technology of Synthetic Metals (ICSM 2012)*, Atlanta, USA, Jul 08-13, 2012, Poster PIII-16.
- 51) “Characterization of a Tetraphenyl Hexaazaanthracene Isomer of Wudl’s Zwitterionic Biscyanine” A. A. Berezin, C. P. Constantinides, T. A. Ioannou, P. A. Koutentis, *International Conference on the Science and Technology of Synthetic Metals (ICSM 2012)*, Atlanta, USA, Jul 08-13, 2012, Poster PIII-71.
- 52) “Characterization of a Tetraphenyl Hexaazaanthracene Isomer of Wudl’s Zwitterionic Biscyanine” A. A. Berezin, C. P. Constantinides, T. A. Ioannou, P. A. Koutentis, *Gaussian Workshop*, Columbus, Ohio, USA, Jul 23-27, 2012.
- 53) “The formation of a rare quinoidal 2,2’-bithiazole” P. A. Koutentis, M. Koyioni, S. S. Michaelidou, S. I. Mirallai, *12<sup>th</sup> Ibn Sina Conference of Heterocyclic Chemistry*, Luxor, Egypt, Feb. 16-19, 2013, Poster PO-1.
- 54) “Reactions of Tetracyanoethylene with *N*’-Arylbenzamidines: A Short Route to 2-Phenyl-3*H*-imidazo[4,5-*b*]quinoline-9-carbonitriles” P. A. Koutentis, M. Manoli, S. I. Mirallai, *12<sup>th</sup> Ibn Sina Conference of Heterocyclic Chemistry*, Luxor, Egypt, Feb. 16-19, 2013, Poster PO-2.
- 55) “The Formation of a Rare Quinoidal 2,2’-Bithiazole” P. A. Koutentis, M. Koyioni, S. S. Michaelidou, S. I. Mirallai, *14<sup>th</sup> Annual Florida Heterocyclic Conference*, Gainesville, Florida, USA, Mar. 3-6, 2013, Poster P21.
- 56) “Inactivation of the glutamine/amino acid transporter ASCT2 by 1,2,3-dithiazoles: proteoliposomes as a tool to gain insights in the molecular mechanism of action and of antitumor activity” F. Oppedisano, M. Catto, P. Koutentis, O. Nicolotti, L. Pochini, M. Koyioni, A. Introcaso, S. Michaelidou, A. Carotti, C. Indiveri, *ASMC’13 International Symposium on Advances in Synthetic and Medicinal Chemistry*, Moscow, Russia, May 5-8, 2013, Poster P26.
- 57) “Reactions of Tetracyanoethylene with *N*’-Arylbenzamidines: A Short Route to 2-Phenyl-3*H*-imidazo[4,5-*b*]quinoline-9-carbonitriles” P.A. Koutentis, M. Manoli, S.I. Mirallai, *XV<sup>th</sup> Conference on Heterocycles in Bio-organic Chemistry*, Riga, Latvia, May 27-30, 2013, Poster PO-039.
- 58) “Synthesis of small molecule donors for OPVs incorporating the thiadiazine motif” A. Kalogirou, P. A. Koutentis, S. Choulis, F. Hermerschmidt, *International Conference on the Science and Technology of Synthetic Metals (ICSM 2014)*, Turku, Finland, Jun 30 – Jul 5, 2014, Poster 1.038.
- 59) “PVP-Pd and PVP-Cu<sub>2</sub>O Electrospun Nanocomposite Membranes as Effective Heterogeneous Supports in Heck, Suzuki and Click Reactions” I. Savva, A.S. Kalogirou, A. Chatzinicolaou, P. Papaphilippou, A. Pantelidou, E. Vasile, E. Vasile, P.A. Koutentis, T. Krasia-Christoforou, *4<sup>th</sup> International Conference on Multifunctional, Hybrid and Nanomaterials*, Sitges (near Barcelona), Spain, March 9-13, 2015.



- 60) “NMR of Tetraphenylhexaazaanthracenes: Theoretical vs. Experimental Studies” G.A. Zissimou, P.A. Koutentis, *Introduction to Gaussian 16: Theory and Practice*, New Delhi, India, Jan 16-20, 2017, P2.
- 61) “UV-VIS of Quinoidal 2,2’-Bithiazoles: An Experimental and Theoretical Study” M. Koyioni, P.A. Koutentis, *Introduction to Gaussian 16: Theory and Practice*, New Delhi, India, Jan 16-20, 2017, P3.
- 62) “Anti-Cancer Activity for Benzo[1,2,4]triazin-7-ones: Very Strong Correlation to Pleurotin and Thioredoxin Reductase Inhibition” M. Sweeney, R. Coyle, P. Kavanagh, A. A. Berezin, D. Lo Re, G. A. Zissimou, P. A. Koutentis, M. P. Carty and F. Aldabbagh, *XVII<sup>th</sup> International Conference on Heterocycles in Bioorganic Chemistry*, Galway, Ireland, May 28-31, 2017, Poster P02.
- 63) “New Chemistry of 1,2,6-Thiadiazines” A. S. Kalogirou and P. A. Koutentis, *26<sup>th</sup> ISHC Congress*, Regensburg, Germany, Sept 3-8, 2017, Poster P76.
- 64) “Oxidation of Isodiphenylfluorindine and Synthesis of C3 and C9 Oxo Analogues: NMR, UV-vis, CV and DFT Studies” G. A. Zissimou, A. Kourtellaris, P. A. Koutentis, *18<sup>th</sup> Florida Heterocyclic and Synthetic Conference*, Gainesville, Florida, USA, Mar. 4-7, 2018, Poster P33b.