

CURRICULUM VITAE

Name Gennaro Pescitelli
Personal data Born in Benevento, 17/3/1972
Place of residence Pisa
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Work address Dipartimento di Chimica e Chimica Industriale, Università di Pisa
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EDUCATION AND QUALIFICATIONS

04/2017 Qualified as Full Professor in Organic Chemistry (“Abilitazione scientifica nazionale”)
12/2014 Associate Professor in Organic Chemistry at Department of Chemistry, University of Pisa
06/2006 “Ricercatore” (Lecturer) in Organic Chemistry at Department of Chemistry, University of Pisa
02/2001 PhD in Chemistry, University of Pisa
10/1997 “Laurea” (M.Sc.) in Chemistry, University of Pisa, summa cum laude

PROFESSIONAL EXPERIENCE

From 2020 Member of PRA project n. 2020_77 “Indagare gli effetti di interferenti endocrini sulla funzione e cancerogenesi tiroidea”, financed by University of Pisa
From 2019 Member of the Supervisory Board for H2020-MSCA-ITN project “Bimetallic catalysts Knowledge-based development for Energy applications – BIKE” (grant agreement n. 813748), financed by EU
From 2019 Participant to the Unit of Pisa of PRIN project n. 20172M3K5N “Towards a Cheap and portable Instrument for bioAnalysis based on enAntiospecific luminescence and aB sorption essays (CHIRALAB)”, financed by MIUR
From 2018 Coordinator of the PhD school in Chemistry and Materials Science at the University of Pisa (<https://dscm.dcci.unipi.it/>)
2018 Financed by MIUR for “Finanziamento delle attività della ricerca di base (FFABR)” (scientific production score 83/100)
2017-2018 Member of PRA project n. 2017_25 “Composti di metalli di transizione come possibili agenti antitumorali”, financed by University of Pisa
2015 Member of PRA project n. 2015_0055 “Sintesi e studio delle proprietà di composti di metalli di transizione come agenti antitumorali”, financed by University of Pisa
From 2014 Associate Professor in Organic Chemistry at Department of Chemistry, University of Pisa

2013-2016	Participant to the Unit of Pisa of PRIN project n. 2012A4Z2RY "Aqueous processable polymer solar cells: from materials to photovoltaic modules (AQUA-SOL)", financed by MIUR
2013-2016	Partner and member of the steering committee of the project InnoMol – Enhancement of the Innovation Potential through new Molecular Solutions in Research and Development, within 7° EU Framework Programme REGPOT, financed by EU
2011-2013	Participant to the Unit of Pisa of PRIN project n. 2009PRAM8L “Understanding and controlling the role of dimensions, shape and chirality in molecules and aggregates: fallouts and applications in photovoltaics”, financed by MIUR
2007-2009	Principal investigator of the local unit for PRIN project n. 2007PBW44 “Organic Materials for Photovoltaic and Electroluminescent Devices”, financed by MIUR
2006-2014	Lecturer in Organic Chemistry at Department of Chemistry, University of Pisa
2002-2006	Post-doctoral research activity at the Department of Chemistry, supported by two research grants provided by University of Pisa
2001-2002	Post-Doctoral research stage under the supervision of Prof Koji Nakanishi and Nina Berova, at Columbia University, New York
1998-2000	PhD stage under the supervision of Prof Piero Salvadori at the Department of Chemistry, University of Pisa, and CNR “Centro di Studi del Consiglio Nazionale delle Ricerche per la Sintesi, le Proprietà Fisiche e le Proprietà Chimiche delle Macromolecole”

TEACHING ACTIVITIES

2000-2006	Tutoring for B.Sc. and M.Sc. students in Chemistry and Industrial Chemistry, University of Pisa
2003-2006	Lecturing for “Organic Chemistry” and “Stereochemistry” courses for B.Sc. and M.Sc. programmes in Chemistry and Biology, University of Pisa
From 2006	Supervisor and co-supervisor of B.Sc. and M.Sc. theses in Chemistry and Industrial Chemistry, University of Pisa
2006-2010	Teacher of “Applied organic chemistry” course for the B.Sc. programme in Chemistry, University of Pisa
2007-2009	Teacher of “Laboratory of Organic Chemistry I” course for the B.Sc. programme in Industrial Chemistry, University of Pisa
2009-2020	Teacher of “Organic Chemistry” course for the B.Sc. programme in Biology, University of Pisa
From 2011	Co-supervisor of PhD theses in Chemistry, University of Pisa
From 2011	External referee for international PhD theses
03/2015	Cycle of lectures for the PhD school in Chemistry and Materials Science at the University of Pisa
2015-2018	Teacher of “Laboratory of Organic Chemistry II” course for the B.Sc. programme in Industrial Chemistry, University of Pisa
From 2015	Teacher of “Stereochemistry” course for the M.Sc. programme in Chemistry, University of Pisa
From 2018	Teacher of “Organic Chemistry II” course for the B.Sc. programme in Industrial Chemistry, University of Pisa

INSTITUTIONAL ACTIVITIES

- From 07/2016 Member of the Doctorate Board in Chemistry and Materials Science at the University of Pisa
- From 10/2016 Member of the Scientific Commission for sector 03 of University of Pisa
- From 10/2018 Coordinator of the PhD school in Chemistry and Materials Science at the University of Pisa

AREA OF SCIENTIFIC ACTIVITY

Design, development and structural investigation of organic compounds, oligomers and polymers employed as active layers in technological devices.

Structural investigation of natural products, biomolecules, biomimetic systems and supramolecular adducts, and of organic compounds endowed with biological and pharmaceutical activity.

Structural elucidation of organic and organometallic molecules employed as chiral catalysts and auxiliaries in enantioselective catalysis and other molecular recognition processes.

Development of new methods for stereochemical determinations by means of spectroscopic techniques (NMR, CD, VCD).

Molecular modelling of organic molecules with molecular mechanics, semi-empirical and ab initio methods.

Non-empirical calculations of chiroptical and electronic properties of organic molecules and metal complexes.

SCIENTIFIC COMMUNICATION

Publications

Authorship or co-authorship of

197 papers, full papers or short communications, published on international journals;

8 reviews on international journals;

4 book chapters on books published worldwide

(full list reported below).

Bibliometric indicators as of 25/10/2020:

Scopus h-index 38; total citations 6567

Web of Science h-index 39; total citations 6165

“Very Important Papers” selected by editors:

“ACS Editors’ choice”, selected for back cover: G. Albano, G. Pescitelli, L. Di Bari, Chiroptical Properties in Thin Films of pi-Conjugated Systems. *Chemical Reviews* **2020**, *120*, 10145-10243.

“Highly cited paper” (Essential Science Indicators): G. Pescitelli, T. Bruhn. Good Computational Practice in the Assignment of Absolute Configurations by TDDFT Calculations of ECD Spectra. *Chirality* **2016**, *28*, 466-474.

“Top accessed review” and “Highly cited paper” (Essential Science Indicators): N. Berova, L. Di Bari, G. Pescitelli. Application of Electronic Circular Dichroism in Configurational and Conformational Analysis of Organic Compounds. *Chemical Society Reviews* **2007**, *36*, 914-931

“Hot Paper”, selected for inside cover: F. Zinna, T. Bruhn, C. A. Guido, J. Ahrens, M. Bröring, L. Di Bari, G. Pescitelli, Circularly Polarized Luminescence from Axially Chiral BODIPY DYE mers: An Experimental and Computational Study; *Chemistry – A European Journal*, **2016**, *22*, 16089-16098.

“Featured article”: G. Pescitelli, V. Barone, L. Di Bari, A. Rizzo, F. Santoro. Vibronic Coupling Dominates the Electronic Circular Dichroism of the Benzene Chromophore 1Lb band. *Journal of Organic Chemistry* **2013**, *78*, 7398-7405.

“Very important paper (VIP)”: A. Mammama, G. Pescitelli, T. Asakawa, S. Jockusch, A. G. Petrovic, R. R. Monaco, R. Purrello, N. J. Turro, K. Nakanishi, G. A. Ellestad, M. Balaz, N. Berova. Role of Environmental Factors on the Structure and Spectroscopic Response of 5^f-DNA-Porphyrin Conjugates Caused by Changes in the Porphyrin-Porphyrin Interactions. *Chemistry - a European Journal* **2009**, 11853-11866.

Plenary and invited talks held at the following national and international conferences:

Mini-symposium Circular Dichroism Applications in Chemistry and Biology (Copenhagen, Denmark, 13/06/2003)

9th International Conference on Circular Dichroism in Chemistry and Life Sciences – CD2003 (Budapest, Hungary, 31/08-04/09/2003)

CD 2005 – 10th International Conference on Circular Dichroism (Sandestin, FL, USA, 21-25/08/2005)

ISCD-17 International Symposium on Chiral Discrimination (Parma, Italy, 11-14/09/2005)

XXII Congresso Nazionale della Società Chimica Italiana – SCI2006 (Firenze, 10-15/09/2006), “Primo Levi” session

CD-ISBC 2009 – 12th International Conference on Circular Dichroism and 5th Interdisciplinary Symposium on Biological Chirality (Brescia, Italy, 30/08-04/09/2009)

XXXV “A. Corbella” Summer School (Gargnano, Italy, 14-18/06/2010)

CD2011 – 13th International Conference on Chiroptical Spectroscopy (Oxford, UK, 24-28/07/2011)

CD2013 – 14th International Conference on Chiroptical Spectroscopy (Nashville, TN, USA, 9-13/06/2013)

InnoMol – Molecular Interactions Workshop (Zagreb, Croatia, 01-03/06/2015)

CD2015 - 15th International Conference on Chiroptical Spectroscopy (Sapporo, Japan, 30/08-03/09/2015)

28th International Symposium on Chiral Discrimination (Heidelberg, Germany, 24-27/07/2016)

CD2017 - 17th International Conference on Chiroptical Spectroscopy (Rennes, France, 11-15/06/2017)

Co-organizer of the international conference:

CD2019 - 17th International Conference on Chiroptical Spectroscopy (Pisa, Italy, 23-27/06/2019)

PARTICIPATION TO THE ACTIVITY OF INTERNATIONAL JOURNALS

2013-2019 Member of the Editorial Board of the journal *Chirality*, published by Wiley
From 2019 Associate Editor of the journal *Chirality*, published by Wiley

- 1) Lorenzo Di Bari, Gennaro Pescitelli, Piero Salvadori **Conformational Study of 2,2'-Homosubstituted 1,1'-Binaphthyls by Means of UV and CD Spectroscopy**; *Journal of the American Chemical Society* **1999**, *121*, 7998-8004. [0002-7863]
- 2) Lorenzo Di Bari, Gennaro Pescitelli, Fabio Marchetti, Piero Salvadori **Anomalous CD/UV Exciton Splitting of a Binaphthyl Derivative: the Case of 2,2'-Diiodo-1,1'-binaphthalene**; *Journal of the American Chemical Society* **2000**, *122*, 6395-6398. [0002-7863]
- 3) Piero Salvadori, Lorenzo Di Bari, Gennaro Pescitelli **HPLC-CD: Stereochemical Analysis at Work**; in **"Circular Dichroism: Principles and Applications, 2nd edition"**; eds. N. Berova, K. Nakanishi e R. W. Woody; Wiley: New York, **2000**; ch. 38, pagg. 797-817. [0-471-33003-5]
- 4) Lorenzo Di Bari, Gennaro Pescitelli, Gloriana Reginato, Piero Salvadori **Conformational investigation of two isomeric chiral porphyrins: a convergent approach with different techniques**; *Chirality* **2001**, *13*, 548-555. [0899-0042]
- 5) Lorenzo Di Bari, Gennaro Pescitelli, Carmela Pratelli, Dario Pini, Piero Salvadori **Determination of Absolute Configuration of Acyclic 1,2-Diols with Mo₂(OAc)₄. 1. Sznatzke's method revisited**; *Journal of Organic Chemistry* **2001**, *66*, 4819-4825. [0022-3263]
- 6) Arlette Solladié-Cavallo, Claire Marsol, Gennaro Pescitelli, Lorenzo Di Bari, Piero Salvadori, Xuefei Huang, Naoko Fujioka, Nina Berova, Xialoin Cao, Teresa B. Freedman, Laurence A. Nafie **(R)-(+)- and (S)-(-)-1-(9-Phenanthryl)ethylamine: Assignment of Absolute Configuration by CD Tweezer and VCD Methods, and Difficulties Encountered with the CD Exciton Chirality Method**; *European Journal of Organic Chemistry* **2002**, 1788-1796. [1434-193X]
- 7) Yukari Fujimoto, Nathan Fishkin, Gennaro Pescitelli, John Decatur, Nina Berova, Koji Nakanishi **Solution and Biologically Relevant Conformations of Enantiomeric 11-cis-Locked Cyclopropyl Retinals**; *Journal of the American Chemical Society* **2002**, *124*, 7294-7302. [0002-7863]
- 8) Lorenzo Di Bari, Serena Mannucci, Gennaro Pescitelli, Piero Salvadori **Assignment of Absolute Configuration of Chiral Carboxylic Acids via Exciton-Coupled CD Treatment: 4-Phenylthioproline as a Case Study**; *Chirality* **2002**, *14*, 611-617. [0899-0042]
- 9) Xuefei Huang, Naoko Fujioka, Gennaro Pescitelli, Frank E. Kohen, R. Thomas Williamson, Koji Nakanishi, Nina Berova **Absolute Configurational Assignment of Secondary Amines by CD-Sensitive Dimeric Zinc Porphyrin Host**; *Journal of the American Chemical Society* **2002**, *124*, 10320-10335. [0002-7863]
- 10) Gloria Proni, Gennaro Pescitelli, Xuefei Huang, Nazia Q. Quraishi, Koji Nakanishi, Nina Berova **Configurational Assignment of α -Chiral Carboxylic Acids by Complexation to Dimeric Zn-Porphyrin: Host/Guest Structure, Chiral Recognition and Circular Dichroism**; *Chemical Communications* **2002**; 1590-1591. [1359-7345]
- 11) Matteo Politi, Nunziatina De Tommasi, Gennaro Pescitelli, Lorenzo Di Bari, Ivano Morelli, Alessandra Braca **Structure and Absolute Configuration of New Diterpenes from *Lavandola Multifida***; *Journal of Natural Products* **2002**, *65*, 1742-1745. [0163-3864]
- 12) Gennaro Pescitelli, Sven Gabriel, Yuekui Wang, Jörg Fleischhauer, Robert W. Woody, Nina Berova **Theoretical Analysis of the Porphyrin-Porphyrin Exciton Intercation in Circular Dichroism Spectra of Dimeric Tetraarylporphyrins**; *Journal of the American Chemical Society* **2003**, *125*, 7613-7628. [0002-7863]
- 13) Gennaro Pescitelli, Nina Berova, Tom L. Xiao, Roman V. Rozhkov, Richard C. Larock, Daniel W. Armstrong **Assignment of Absolute Configuration of a Chiral Phenyl-Substituted Dihydrofuroangelicin**; *Organic and Biomolecular Chemistry* **2003**, *1*, 186-190. [1477-0520]
- 14) Lorenzo Di Bari, Moreno Lelli, Guido Pintacuda, Gennaro Pescitelli, Fabio Marchetti, Piero Salvadori **Solution versus Solid-State Structure of Ytterbium Heterobimetallic Catalysts**; *Journal of the American Chemical Society* **2003**, *125*, 5549-5558. [0002-7863]

- 15) Gloria Proni, Gennaro Pescitelli, Xuefei Huang, Koji Nakanishi, Nina Berova **Magnesium Tetraarylporphyrin Tweezer: a CD-Sensitive Host for Absolute Configurational Assignment of α -Chiral Carboxylic Acids**; *Journal of the American Chemical Society* **2003**, *125*, 12914-12927. [0002-7863]
- 16) Lorenzo Di Bari, Gennaro Pescitelli, Piero Salvadori **Determination of Absolute Configuration of Acyclic 1,2-Diols with $[\text{Mo}_2(\text{OAc})_4]$, Part 2: New Structural Evidence toward a Rationale of the Method: What Remains of $[\text{Mo}_2(\text{OAc})_4]$ in DMSO Solution?**; *Chemistry - a European Journal* **2004**, *10*, 1205-1214. [0947-6539]
- 17) Andrea Pucci, Silvia Nannizzi, Gennaro Pescitelli, Lorenzo Di Bari, Giacomo Ruggeri **Chiroptical Properties of Terthiophene Chromophores Dispersed in Oriented and Unoriented Polyethylene Films**; *Macromolecular Chemistry and Physics* **2004**, *205*, 786-794. [1022-1352]
- 18) Katsunori Tanaka, Gennaro Pescitelli, Lorenzo Di Bari, Tom L. Xiao, Koji Nakanishi, Daniel W. Armstrong, Nina Berova **Absolute stereochemistry of dihydrofuroangelicins bearing C-8 substituted double bonds: a combined chemical/exciton chirality protocol**; *Organic and Biomolecular Chemistry* **2004**, *2*, 48-58. [1477-0520]
- 19) Lorenzo Di Bari, Stéphane Guillarme, Stephen Hermitage, Judith A. K. Howard, David A. Jay, Gennaro Pescitelli, Andrew Whiting, Dmitrii S. Yufitb **Lewis Acid-catalysed Aza-Diels–Alder versus Mannich Reactions of *N*-Diethyl Phosphoryl Imino Dienophiles with Oxygenated Dienes and Application of a Chiral Lewis Acid**; *Synlett* **2004**, 708-710. [0936-5214]
- 20) Nathan Fishkin, Gennaro Pescitelli, Janet R. Sparrow, Koji Nakanishi, Nina Berova **Absolute Configurational Determination of an All-trans-Retinal Dimer Isolated From Photoreceptor Outer Segments**; *Chirality* **2004**, *16*, 637-641. [0899-0042]
- 21) Gennaro Pescitelli, Lorenzo Di Bari, Piero Salvadori **Multiple Solution Species of Titanium(IV) 1,1-Bi-2-Naphtholate Elucidated by NMR and CD Spectroscopy**; *Organometallics* **2004**, *23*, 4223-4229. [0276-7333]
- 22) Tatsuo Nehira, Katsunori Tanaka, Takashi Takakuwa, Chie Ohshima, Hisashi Masago, Gennaro Pescitelli, Akio Wada, Nina Berova **Development of a Universal Ellipsoidal Mirror Device for Fluorescence Detected Circular Dichroism (FD CD) - Elimination of Polarization Artifacts**; *Applied Spectroscopy*, **2005**, *59*, 121-125. [0003-7028]
- 23) Katsunori Tanaka, Gennaro Pescitelli, Koji Nakanishi, Nina Berova **Fluorescence Detected Exciton Coupled Circular Dichroism: Development of New Fluorescent Reporter Groups for Structural Studies**; *Monatshefte für Chemie / Chemical Monthly* **2005**, *136*, 367-395 [review]. [0026-9247]
- 24) Robert Hauschild, Gernot Riedel, Joachim Zeller, Theodore S. Balaban, Valentyn I. Prokhorenko, Heinz Kalt, Nina Berova, Xuefei Huang, Gennaro Pescitelli, Koji Nakanishi **Comparative Study of Energy-Transfer Processes in Several Porphyrin-Based Artificial Light-Harvesting Complexes**; *Journal of Luminescence* **2005**, *112*, 454-457. [0022-2313]
- 25) Lorenzo Di Bari, Stéphane Guillarme, Stephen Hermitage, David A. Jay, Gennaro Pescitelli, Andrew Whiting **Absolute Stereochemistry Assignment of *N*-Phosphorylimine-Derived Aza-Diels-Alder Adducts with TDDFT CD Calculations**; *Chirality* **2005**, *17*, 323-331. [0899-0042]
- 26) Lorenzo Di Bari, Gennaro Pescitelli, A. Dean Sherry, Mark Woods **Structural and Chiroptical Properties of the Two Coordination Isomers of YbDOTA-Type Complexes**; *Inorganic Chemistry* **2005**, *44*, 8391-8398. [0020-1669]
- 27) Geraldine Maheut, Anna Castaings, Jacques Pécaut, Latévi Max Lawson Daku, Gennaro Pescitelli, Lorenzo Di Bari, Jean-Claude Marchon **Chiroptical and Computational Studies of a Bridled Chiroporphyrin and of its Nickel(II), Copper (II), and Zinc (II) Complexes**; *Journal of the American Chemical Society* **2006**, *128*, 6347-6356. [0002-7863]
- 28) Gennaro Pescitelli, Lorenzo Di Bari, Piero Salvadori **Effect of water on BINOL/Ti(OⁱPr)₄ solution mixtures: The nature of a catalytic precursor of enantioselective sulfoxidation**; *Journal of Organometallic Chemistry* **2006**, *691*, 2311-2318. [0022-328X]
- 29) Francesco Babudri, Donato Colangiuli, Lorenzo Di Bari, Gianluca M. Farinola, Omar Hassan Omar, Francesco Naso, Gennaro Pescitelli **Synthesis and Chiroptical Characterization of an Amino Acid Functionalized Dialkoxypoly(p-phenyleneethynylene)**; *Macromolecules* **2006**, *39*, 5206-5212. [0024-9297]

- 30) Catherine Koukoulitsa, Anastasia Karioti, Maria Camilla Bergonzi, Gennaro Pescitelli, Lorenzo Di Bari, Helen Skaltsa **Polar Constituents from the Aerial Parts of *Origanum vulgare* L. Ssp. *hirtum* Growing Wild in Greece**; *Journal of Agricultural and Food Chemistry* **2006**, *54*, 5388-5392. [0021-8561]
- 31) Lorenzo Di Bari, Gennaro Pescitelli, Piero Salvadori, Michele Rovini, Maurizio Anzini, Andrea Cappelli, Salvatore Vomero **Synthesis, resolution, and absolute configuration of two novel and selective cyclooxygenase-2 inhibitors based on the 1,5-diarylpyrrole structure** *Tetrahedron: Asymmetry* **2006**, *17*, 3430-3436. [0957-4166]
- 32) Hidayat Hussain, Karsten Krohn, Ulrich Floerke, Barbara Schulz, Siegfried Draeger, Gennaro Pescitelli, Sándor Antus, Tibor Kurtán **Absolute Configurations of Globosuxanthone A and Secondary Metabolites from *Microdiplodia* sp. – A Novel Solid-State CD/TDDFT Approach**; *European Journal of Organic Chemistry* **2007**, 292-295. [1434-193X]
- 33) Gábor Kerti, Tibor Kurtán, Tünde-Zita Illyés, Katalin E. Kövér, Sándor Sólyom, Gennaro Pescitelli, Naoko Fujioka, Nina Berova, Sándor Antus **Enantioselective Synthesis of 3-Methylisochromans and Determination of Their Absolute Configurations by Circular Dichroism**; *European Journal of Organic Chemistry* **2007**, 296-305. [1434-193X]
- 34) Nina Berova, Lorenzo Di Bari, Gennaro Pescitelli **Application of Electronic Circular Dichroism in Configurational and Conformational Analysis of Organic Compounds**; *Chemical Society Reviews* **2007**, *36*, 914-931 [review]. [0306-0012]
- 35) Karsten Krohn, Ines Kock, Brigitta Elsässer, Ulrich Flörke, Barbara Schulz, Siegfried Draeger, Gennaro Pescitelli, Sandor Antus, Tibor Kurtán **Bioactive Natural Products from the Endophytic Fungus *Ascochyta* sp. From *Melilotus dentatus* – Configurational Assignment by Solid-State CD and TDDFT Calculations**; *European Journal of Organic Chemistry* **2007**, 1123-1129. [1434-193X]
- 36) Karsten Krohn, Zia-Ullah, Ulrich Flörke, Barbara Schulz, Siegfried Draeger, Gennaro Pescitelli, Piero Salvadori, Sandor Antus, Tibor Kurtán **Massarilactones E-G, New Metabolites from the Endophytic Fungus *Coniothyrium* sp., Associated with the Plant *Artemisia maritima***; *Chirality* **2007**, *19*, 464–470. [0899-0042]
- 37) Hidayat Hussain, Karsten Krohn, Ulrich Flörke, Barbara Schulz, Siegfried Draeger, Gennaro Pescitelli, Piero Salvadori, Sandor Antus, Tibor Kurtán **Absolute configuration of hypothemycin and 50-O-methylhypothemycin from *Phoma* sp.—a test case for solid state CD/TDDFT approach**; *Tetrahedron Asymmetry* **2007**; *18*, 925-930. [0957-4166]
- 38) Karsten Krohn, Umar Farooq, Ulrich Flörke, Barbara Schulz, Siegfried Draeger, Gennaro Pescitelli, Piero Salvadori, Sandor Antus, Tibor Kurtán **Secondary Metabolites Isolated from an Endophytic *Phoma* sp. – Absolute Configuration of Tetrahydropyrenophorol Using the Solid-State TDDFT CD Methodology**; *European Journal of Organic Chemistry* **2007**, 3206-3211. [1434-193X]
- 39) Kouzou Matsumoto, Takuya Inagaki, Tatsuo Nehira, Masaki Kannami, Daisuke Inokuchi, Hiroyuki Kurata, Takeshi Kawase, Gennaro Pescitelli, Masaji Oda **Phenyl-(2-pyridyl)-(3-pyridyl)-(4-pyridyl)methane: Synthesis, Chiroptical Properties, and Theoretical Calculation of Its Absolute Configuration**; *Chemistry an Asian Journal* **2007**, *2*, 1031-1036. [1861-4728]
- 40) Teodor Silviu Balaban, Nina Berova, Charles Michael Drain, Robert Hauschild, Xuefei Huang, Heinz Kalt, Sergei Lebedkin, Jean-Marie Lehn, Fotis Nifaitis, Gennaro Pescitelli, Valentyn I. Prokhorenko, Gernot Riedel, Gabriela Smeureanu, Joachim Zeller **Syntheses and Energy Transfer in Multiporphyrinic Arrays Self-Assembled with Hydrogen-Bonding Recognition Groups and Comparison with Covalent Steroidal Models**; *Chemistry: a European Journal* **2007**, *13*, 8411-8427. [0947-6539]
- 41) Lorenzo Di Bari, Stéphane Guillarme, John Hanan, Andrew P. Henderson, Judith A. K. Howard, Gennaro Pescitelli, Michael R. Probert, Piero Salvadori, Andrew Whiting **Application of Zinc(II)-Binol for the Formal Aza-Diels-Alder Reaction of N-Arylimines with Danishefsky's Diene: CD-Based Absolute Stereochemistry Determination, Origin of Asymmetric Induction and Mechanistic Considerations**; *European Journal of Organic Chemistry* **2007**, 5771-5779. [1434-193X]
- 42) Andrew Tsotinis, Andreas Eleutheriades, Lorenzo Di Bari, Gennaro Pescitelli **A New, Stereoselective, Ring-Forming Reaction of 1,2-Ethanedithiol with N-Acylated Indoles**; *Journal of Organic Chemistry* **2007**, *72*, 8928-8931. [0022-3263]

- 43) Jingqiu Dai, Karsten Krohn, Brigitta Elsässer Ulrich Flörke, Siegfried Draeger, Barbara Schulz, Gennaro Pescitelli, Piero Salvadori, Sándor Antus, Tibor Kurtán **Metabolic Products of the endophytic Fungus *Microspheeropsis* sp. from *Larix decidua***; *European Journal of Organic Chemistry* **2007**, 4845-4854. [1434-193X]
- 44) Zahid Hassan, Hidayat Hussain, Viqar Uddin Ahmad, Shazia Anjum, Gennaro Pescitelli, Tibor Kurtán, Karsten Krohn **Absolute configuration of 1b,10b-epoxydesacetoxymatricarin isolated from *Carthamus oxycantha* by means of TDDFT CD calculations**; *Tetrahedron: Asymmetry* **2007**, *18*, 2905-2909. [0957-4166]
- 45) Gennaro Pescitelli, Lorenzo Di Bari, Anna Maria Caporusso, Piero Salvadori **The prediction of the circular dichroism of the benzene chromophore: TDDFT calculations and sector rules**; *Chirality* **2008**, *20*, 393-399. [0899-0042]
- 46) Tibor Kurtán, Gennaro Pescitelli, Piero Salvadori, Ágnes Kenéz, Sándor Antus, László Szilágyi, Tünde-Zita Illyés, Ildikó Szabó **Circular Dichroism of Diglycosyl Dichalcogenides in Solution and Solid State**; *Chirality* **2008**, *20*, 379-385. [0899-0042]
- 47) Gábor Kerti, Tibor Kurtán, Anikó Borbás, Zoltán B. Szabó, András Lipták, László Szilágyi, Zita Illyés-Tünde, Attila Bényei, Sándor Antus, Masayuki Watanabe, Ettore Castiglioni, Gennaro Pescitelli, Piero Salvadori **Synthesis and chiroptical properties of (naphthyl)ethylidene ketals of carbohydrates in solution and solid state** *Tetrahedron*, **2008**, *64*, 1676-1688. [0040-4020]
- 48) Vouffo Bertin, Hidayat Hussain, Simeon F. Kouam, Etienne Dongo, Gennaro Pescitelli, Piero Salvadori, Tibor Kurtán, Karsten Krohn **Antialactone: A New γ -Lactone from *Antiaris africana*, and its Absolute Configuration Determined from TDDFT CD Calculations** *Natural Products Communications* **2008**, *3*, 215-218. [1934-578X]
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