

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome GIROLAMO
Cognome CASELLA
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FORMAZIONE TITOLI

Dr Girolamo Casella, was born in Palermo, ITALY, in 24/04/1972. He started his studies in Chemistry at the University of Palermo in 1993 and received his *Laurea* degree (M.Sc.) in December 2000 by defending a thesis work with the title: "*Interazioni tra derivati degli acidi del D-galattosio e diorganostagno(IV). Indagini strutturali allo stato solido e in soluzione*" (Interactions between acidic derivatives of carbohydrates of D-galactose and diorganotin(IV) moieties. Structural study in solid state and solution phase) mainly dealing with Mössbauer and NMR spectroscopy applied to the structural study of the organotin(IV) compounds.

From February to June 2001 he got a scholarship from the "Consorzio Interuniversitario di Ricerca in Chimica dei Metalli nei Sistemi Biologici" to continue his thesis work.

From July 2001 to June 2004 he was a Ph. D. student at the University of Palermo and he received his Ph.D. degree in January 2005 by defending a thesis work with the title "*Interazioni tra derivati acidi di carboidrati e organostagno(IV). Indagini strutturali allo stato solido e in soluzione. Studio computazionale NMR del complesso DimetileStagno(IV) - Acido D-ribonico. Attività biologica*" (Interactions between acidic derivatives of carbohydrates and organotin(IV). Structural investigations in solid state and solution phase. NMR computational study of the dimethyltin(IV)-D-Ribonic acid complex. Biological activity).

During his Ph.D. studentship he has attended three national schools:

1) Scuola Nazionale di Bioinorganica per dottorandi. San Miniato Pisa- 24-28/06/2002.

(National School of Bio-Inorganic for Ph. D. Students – First prize as better poster communication)

2) Scuola di Risonanza Magnetica Nucleare - Corso Base Torino -2-6/09/2002.

(School of Nuclear Magnetic Resonance - Basic level)

3) Scuola di Risonanza Magnetica Nucleare - Corso Avanzato Torino -1-5/09/2003.

(School of Nuclear Magnetic Resonance - Advanced level)

From 2002 to 2004, he also spent several periods at the University of Padova at the Prof. A. Bagno's group where he dealt with the DFT calculation of NMR parameters of organic and organometallic molecules, mainly organotin(IV) compounds.

From October to December 2003 he was hosted at the Dalhousie University in Halifax (NS, Canada) in the Prof. T.B. Grindley's group where he dealt with the ^{119}Sn NMR solution studies of dynamic properties of organotin(IV) complexes.

From August 2004 to September 2006 Dr. Casella got a post-doc position at the University of Palermo for a research with the title:

"Metodi quanto chimici e Monte-Carlo per lo studio di sistemi inorganici complessi" (Quantum-chemical and Monte-Carlo methods in the study of complex inorganic systems), supervisor prof. Dario Duca, where he has contributed to develop a DFT model for the heterogeneous catalytic hydrogenation of unsaturated alkanes in zeolite matrices.

From September 2006 he is "Assistant professor/Researcher" at the University of Palermo.

From November 2009 to February 2011 he was on leave of absence to start to deal with the synthesis and characterization of Ionic Liquid Crystals at the ITM-CNR (Istituto per la Tecnologia della Membrana – Consiglio Nazionale delle Ricerche) of Padova, hosted by Dott. Giacomo Saielli.

In 2012 he has been referee, on behalf of MIUR (Ministero dell'Istruzione, dell'Università e della Ricerca), for the evaluation of research projects "Futuro in Ricerca".

From October 2012, until September 2013 he is on leave of absence to follow a project concerning the calculation, by means of DFT protocols, of the NMR properties of paramagnetic lanthanides used in medical, biochemical and material sciences applications in the research group of Prof. Alessandro Bagno, Università di Padova.

At the present research interests of Dr. Casella are mainly focussed on:

- 1) Synthesis and characterization of organotin(IV) derivatives of biological interest;
- 2) DFT calculation of NMR parameters of heavy nuclei;
- 3) Synthesis and characterization of Ionic Liquid Crystals.
- 4) DFT study on reactivity of nitrile-Pt(II) complexes.

ATTIVITA' DIDATTICA

a) Scienze Biologiche

i) A.A. 2005-2006; 2006-2007; 2007-2008: supplenza relativa all'insegnamento di Chimica Generale con Esercitazioni (6 C.F.U.) per il Corso di Laurea triennale in Scienze Biologiche dell'Università di Palermo (sede di Palermo);

ii) A.A. 2007-2008; 2011-2012: corso di recupero di Chimica Generale rivolto agli studenti della Facoltà di Scienze MM. FF. NN. A.A. 2008-2009: supplenza relativa all'insegnamento di Chimica Generale I (6 C.F.U.) per il Corso di Laurea triennale in Scienze Biologiche dell'Università di Palermo (sede di Termini Imerese – PA).

b) Biologia Marina

i) A.A. 2007-2008; 2008-2009: supplenza del corso integrato di "Laboratorio di Chimica e di Chimica Applicata alle Acque Marine" (4 C.F.U.; modulo di 2 C.F.U.) del corso di Laurea in Biologia Marina, sede di Trapani.

c) Chimica

i) A.A. 2006-2007; 2007-2008; 2008-2009; 2010-2011; 2011-2012: assistenza al corso di Laboratorio di Chimica Inorganica II (Docente titolare: Prof. G. Gennaro) per il Corso di Laurea Triennale in Chimica dell'Università di Palermo.

ii) A.A. 2008-2009: supplenza relativa all'insegnamento di Metodi Spettroscopici con Laboratorio (4+2 C.F.U.) per il Corso di Laurea triennale in Chimica dell'Università di Palermo.

d) Scienze Geologiche

A.A. 2011-2012: Insegnamento di Chimica Generale ed Inorganica con Elementi di Organica (6+3 C.F.U.), modulo "Chimica

Generale ed Inorganica" (6 C.F.U.), per il Corso di Laurea triennale in Scienze Geologiche dell' Università di Palermo.

e) Scienze Geologiche

A.A. 2013-2014, 2014-2015: Insegnamento di Chimica Generale ed Inorganica con Elementi di Chimica Ambientale (6+3 C.F.U.), modulo "Chimica Generale ed Inorganica" (6 C.F.U.), per il Corso di Laurea triennale in Scienze Geologiche dell' Università di Palermo.

A.A. 2015-2016: Insegnamento di Chimica Generale ed Inorganica con Elementi di Chimica Ambientale (7+3 C.F.U.), modulo "Chimica Generale ed Inorganica" (6 C.F.U.), per il Corso di Laurea triennale in Scienze Geologiche dell' Università di Palermo.

A.A. 2016-2017: Insegnamento di Chimica Generale ed Inorganica con Elementi di Chimica Ambientale (8+3 C.F.U.), modulo "Chimica Generale ed Inorganica" (8 C.F.U.), per il Corso di Laurea triennale in Scienze Geologiche dell' Università di Palermo.

PUBBLICAZIONI

Articles

29) 2017

Perrotta M.L., Saielli G., Casella G., Macedonio F., Giorno L., E. Drioli, A. Gugliuzza. An Ultrathin suspended hydrophobic porous membrane for high-efficiency water desalination. APPLIED MATERIAL TODAY, Vol. 9, p. 1-9, <http://dx.doi.org/10.1016/j.apmt.2017.04.009>

28) 2017

Bertani R., Mozzon M., Sgarbossa P., Tamburini S., Casarin M., Mangione G., Casella G., Venzo A., Rizzato S., Albinati A. (2017). Pt(II) nitrile complexes: New insights on old complexes from a combined experimental and theoretical study. INORGANICA CHIMICA ACTA, vol. 455, p. 489-504, doi: 10.1016/j.ica.2016.07.015

27) 2016

Girasolo M.A., Tesoriere L., Casella G., Attanzio A., Capobianco M., Sabatino P., Barone G., Rubino S., Bonsignore R. (2016). A novel compound of triphenyltin(IV) with N-tert-butoxycarbonyl-L-ornithine causes cancer cell death by inducing a p53-dependent activation of the mitochondrial pathway of apoptosis. INORGANICA CHIMICA ACTA, vol. 456, p. 1-8, doi: 10.1016/j.ica.2016.11.012

26) 2016

Casella G., Ferrante F., Saielli G. (2016). DFT calculation of NMR (¹¹³Cd) in cadmium complexes. POLYHEDRON, vol. 117, p. 48-56, doi: <http://dx.doi.org/10.1016/j.poly.2016.05.038>

25) 2016

Casella G., Causin V., Rastrelli F., Saielli G. (2016). Ionic liquid crystals based on viologen dimers: tuning the mesomorphism by varying the conformational freedom of the ionic layer. LIQUID CRYSTALS, vol. 0, p. 1-13, doi: 10.1080/02678292.2016.1161852

24) 2015

Fusaro L, Casella G, Bagno A (2015). Direct detection of ^{17}O NMR in $[\text{Gd}(\text{DOTA})]^-$ by NMR Spectroscopy. CHEMISTRY-A EUROPEAN JOURNAL, vol. 21, p. 1955-1960, doi: 10.1002/chem.201405092

23) 2014

Casella G, Causin V, Rastrelli F, Saielli G (2014). Viologen-based ionic liquid crystals: induction of a smectic A phase by dimerisation. PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 16, 5048-5051. DOI: [10.1039/c3cp54628d](https://doi.org/10.1039/c3cp54628d)

22) 2013

Bagno A, Casella G, Ferrante F, Saielli G (2013). A DFT study of the vicinal $3J(^{119}\text{Sn},^{13}\text{C})$ and $3J(^{119}\text{Sn},^1\text{H})$ coupling constants in trimethyl- and chlorodimethylstannyl propanoates. JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol. 724, p. 139-146, ISSN: 0022-328X, doi: dx.doi.org/10.1016/j.jorganchem.2012.10.041

21) 2013

Pellerito O, Prinzi Valli C, Foresti E, Sabatino P, Abbate M, Casella G, Fiore F, Scopelliti M, Pellerito C, Giuliano M, Grasso G, Pellerito L (2013). Synthesis, chemical characterization and biological activity of new histone acetylation/deacetylation specific inhibitors: A novel and potential approach to cancer therapy. . JOURNAL OF INORGANIC BIOCHEMISTRY, vol. 125, p. 16-25, ISSN: 0162-0134, doi: dx.doi.org/10.1016/j.jinorgbio.2013.04.008

20) 2012

Bonchio M, Carraro M, Casella G, Causin V, Rastrelli F, Saielli G (2012). Thermal behaviour and electrochemical properties of bis(trifluoromethanesulfonyl)amide and dodecatungstosilicate viologen dimers. PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol. 14, p. 2710-2717, ISSN: 1463-9076, doi: 10.1039/c2cp23580c

19) 2011

Casella G, Saielli G (2011). DFT study of the interaction free energy of p-p complexes of fullerenes with buckybowls and viologen dimers. NEW JOURNAL OF CHEMISTRY, vol. 35, p. 1453-1459, ISSN: 1144-0546, doi: 10.1039/c1nj20117d

18) 2011

Fontana G, Abbate M, Casella G, Pellerito C, Longo A, Ferrante F (2011). Synthesis, chemical characterization and preliminary in vitro antitumor activity evaluation of new ruthenium(II) complexes with sugar derivatives. POLYHEDRON, vol. 30, p. 1671-1679, ISSN: 0277-5387

17) 2010

Casella G, Ferrante F, Saielli G (2010). A DFT study of the Karplus-type dependence of vicinal $3J(\text{Sn}-\text{C}-\text{X}-\text{C})$, $\text{X}=\text{N},\text{O},\text{S}$, in organotin(IV) compounds: application to conformationally flexible systems. ORGANIC & BIOMOLECULAR CHEMISTRY, vol. 8, p. 2711-2718, ISSN: 1477-0520, doi: 10.1039/c000679c

16) 2010

PELLERITO L, PRINZIVALLI C, CASELLA G, FIORE T, PELLERITOO, GIULIANO M, SCOPELLITI M, PELLERITO C (2010). Diorganotin(IV) N-acetyl-L-cysteinate complexes: Synthesis, solid state, solution phase, DFT and biological investigations.. JOURNAL OF INORGANIC BIOCHEMISTRY, vol. 104, p. 750-758, ISSN: 0162-0134, doi: 10.1016/j.jinorgbio.2010.03.008

15) 2010

ABBATE M, CASELLA G, FIORE T, GRASSO G, PELLERITO C, SCOPELLITI M, SPINELLA A, PELLERITO L (2010). Structural characterization of triorganotin(IV) complexes with sodium fusidate and DFT calculations. JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol. 695, p. 1405-1413, ISSN: 0022-328X, doi: 10.1016/j.jorgchem.2010.02.001

14) 2009

Casella G, Ferrante F, Saielli G (2009). Karplus-type dependence of vicinal ^{119}Sn - ^{13}C and ^{119}Sn - ^1H spin-spin couplings in organotin(IV) derivatives: a DFT study. EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol. 2009, p. 3526-3534, ISSN: 1434-193X, doi: 10.1002/ejoc.200900197

13) 2008

CASELLA G, FERRANTE F, SAIELLI G (2008). DFT calculation of $1J(^{119}\text{Sn},^{13}\text{C})$ and $2J(^{119}\text{Sn},^1\text{H})$ coupling constants in di- and trimethyltin(IV) compounds. INORGANIC CHEMISTRY, vol. 47, p. 4796-4807, ISSN: 0020-1669, doi: 10.1021/ic8000976

12) 2008

CASELLA G, FIORE T, FORESTI E, MOHAMED MMA, NAGY L, PELLERITO C, SCOPELLITI M, PELLERITO L (2008). Structural investigations on diorganotin and triorganotin(IV) phosphomycin derivatives. INORGANICA CHIMICA ACTA, vol. 361, p. 1754-1762, ISSN: 0020-1693, doi: 10.1016/j.ica.2006.11.013

11) 2008

BERTAZZI N, CASELLA G, D'AGATI P, FIORE T, MANSUETO C, MANSUETO V, PELLERITO C, PELLERITO L, SCOPELLITI M (2008). Synthesis and structural investigations on $\text{R}_2\text{Sn(IV)}$ -D-aldonic acid complexes (R = methyl; butyl). Their effect on a new toxicity test organism, *Liza saliens* (Osteichthyes, Mugilidae): a histological study. APPLIED ORGANOMETALLIC CHEMISTRY, vol. 22, p. 389-396, ISSN: 0268-2605, doi: 10.1002/aoc.1412

10) 2008

ROTONDO A, ROTONDO E, CASELLA G, GRASSO G (2008). Tin(IV) catalyzed D-galacturonic acid anomerization. DALTON TRANSACTIONS, vol. 2008, p. 596-601, ISSN: 1477-9226, doi: 10.1039/b71067a

9) 2007

CASELLA G, FIORE T, MOHAMED MMA, NAGY L, PELLERITO C, PELLERITO L, SAMMARTANO S, SCOPELLITI M (2007). Equilibria involved in the diorganotin(IV) and triorganotin(IV) phosphomycin interaction in aqueous solution. APPLIED ORGANOMETALLIC CHEMISTRY, vol. 21, p. 455-461, ISSN: 0268-2605, doi: 10.1002/aoc.1220

8) 2007

BARONE G, CASELLA G, GIUFFRIDA S, DUCA D (2007). H-ZSM-5 Modified Zeolite: Quantum Chemical Models of Acidic Sites. JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES, vol. 111, p. 13033-13043, ISSN: 1932-7447, doi: 10.1021/jp066652c

7) 2007

BERTAZZI N, CASELLA G, FERRANTE F, PELLERITO L, ROTONDO A, ROTONDO E (2007). Solution structure of R₂Sn(IV)-BETA-N-Acetyl-Neuraminic acid (R=Me, Bu) complexes in D₂O and DMSO-d₆: experimental NMR and DFT computational study.. DALTON TRANSACTIONS, vol. 14, p. 1440-1446, ISSN: 1477-9226, doi: 10.1039/b616330k

6) 2006

BAGNO A, CASELLA G, SAIELLI G (2006). Relativistic DFT Calculation of ¹¹⁹Sn Chemical Shifts and Coupling Constants in Tin Compounds. JOURNAL OF CHEMICAL THEORY AND COMPUTATION, vol. 2, p. 37-46, ISSN: 1549-9618, doi: 10.1021/ct050173k

5) 2006

BAGNO A, BERTAZZI N, CASELLA G, PELLERITO L, SAIELLI G, SCIACCA I.D (2006). Structure of D-ribonic acid-dimethyltin(IV) in coordinating solvents: an experimental and DFT ¹¹⁹Sn NMR study. JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, vol. 19, p. 874-883, ISSN: 0894-3230, doi: 10.1002/poc.1041

4) 2004

DI STEFANO R, SCOPELLITI M, PELLERITO C, CASELLA G, FIORE T, STOCCO G.C, VITTURI R, COLOMBA M.S, RONCONI L, SCIACCA I.D, PELLERITO L (2004). Organometallic complexes with biological molecules. XVIII. Alkyltin(IV) cephalaxinate complexes: synthesis, solid state and solution phase investigations. JOURNAL OF INORGANIC BIOCHEMISTRY, vol. 98, p. 534-546, ISSN: 0162-0134, doi: 10.1016/j.jinorgbio.2003.12.013

3) 2003

BERTAZZI N, BRUSCHETTA G, CASELLA G, PELLERITO L, ROTONDO E, SCOPELLITI M (2003). Diorganotin(IV) Complexes of D-Galacturonic Acid: Solid State and Solution Phase Structural Study. APPLIED ORGANOMETALLIC CHEMISTRY, vol. 17, p. 932-939, ISSN: 0268-2605, doi: 10.1002/aoc.556

2) 2003

BAGNO A, CASELLA G, SAIELLI G, SCORRANO G (2003). Through-space spin-spin coupling in acetylenic systems. Ab initio and DFT calculations. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 4, p. 193-202, ISSN: 1422-0067

1) 1998

BENETOLLO F, BOMBIERI G, ALONZO G, BERTAZZI N, CASELLA G (1998). Synthesis and crystal structure of [(PhenH)(PhenH₂)]·2H₂O with different phenantroline protonations. JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol. 28, p. 791-796, ISSN: 1074-1542

Posters and oral communications

29 2011

Pellerito C, Prinziwalli C, Foresti E, Sabatino P, Abbate M, Casella G, Fiore T, Scopelliti M, Pellerito O, Giuliano M, Grasso G, Pellerito L (2011). New histone acetylation/deacetylation specific inhibitors: a novel and potential approach to cancer therapy. In: 11th Workshop on PharmacoBioMetallics. San Benedetto del Tronto (AP), 28-30 ottobre 2011, p. 39

28 2008

PRINZIVALLI C, ABBATE M, CASELLA G, FIORE T, PELLERITO C, SCOPELLITI M, PELLERITO L (2008). Carbocysteine Degradation Catalyzed by Organotin(IV) Compounds. In: 8th Workshop on Pharmaco Bio-Metallics. Ravenna (Italia), 24-26 Ottobre 2008, p. 113

27 2008

PRINZIVALLI C, ABBATE M, CASELLA G, CATALDO S, FIORE T, NAGY L, PELLERITO C, SCOPELLITI M, PELLERITO L (2008). Organotin(IV) Derivatives Neurotoxicity and their Modulation by Baclofen. In: Atti della accademia di Scienze Lettere e Arti di Palermo. vol. XXIV, p. 139-152

26 2008

ABBATE M, CASELLA G, CATALDO S, FIORE T, NAGY L, PELLERITO C, PELLERITO L, PRINZIVALLI C, SCOPELLITI M (2008). Potential Use of Organotin(IV)-tripeptide Complexes as Stopper in Tumor Cells Growth. In: 8th Workshop on Pharmaco Bio-Metallics. Ravenna (Italia), 24-26 Ottobre 2008, p. 117

25 2008

BERTAZZI N, CASELLA G (2008). Recent Results of Studies on Dialkyltin(IV) Complexes of Acidic Derivatives of Carbohydrates. In: Atti della Accademia di Scienze Lettere e Arti di Palermo. vol. XXIV, p. 59-79

24 2008

FIGLIORE T, ABBATE M, CASELLA G, CATALDO S, NAGY L, PELLERITO C, PRINZIVALLI C, SCHILLACI D, SCOPELLITI M, PELLERITO L (2008). Synthesis, Characterization and in vitro Antimicrobial Activity of Dialkyltin(IV)Bis(Fusidate) Complexes. In: Atti della Accademia di Scienze Lettere e Arti di Palermo. vol. XXIV, p. 75-88

23 2007

BALDISSIN G, BARONE G, CASELLA G, GIUFFRIDA S, FERRANTE F, RUBINO T, DUCA D (2007). Catalytic Supported System Modelled by Computational Approaches. In: XV Congresso Nazionale di Catalisi - GIC 2007. Tirrenia (Pisa), Italy, 10-14/06/2007, p. P22

22 2007

BERTAZZI N, CASELLA G, FERRANTE F, SAIELLI G (2007). Recent results on DFT calculation of ^{119}Sn NMR parameters for organotin(IV) derivatives in coordinating solvents. In: 7th Workshop on Pharmaco-Bio-Metallics. Palermo - Italy, 26-28/11/2007, p. 83

21 2007

GRIMALDI N, SCOPELLITI M, CASELLA G, FIGLIORE T, PELLERITO C, PRINZIVALLI C, ABBATE M, SCHILLACI D, GRASSO G, PELLERITO L (2007). Synthesis, characterization and in vitro antimicrobial activity of triorganotin(IV) fusidate complexes. In: 7th Workshop on Pharmaco-Bio-Metallics. Palermo - Italy, 26-28/11/2007, p. 37-38

20 2006

ABBATE M, BARBIERI G, COSTA MA, PELLERITO C, CANFORA L, CASELLA G, FIGLIORE T, PRINZIVALLI C, SCIACCA ID, SCOPELLITI M, PELLERITO L (2006). How Organotin(IV)(Sulfonatophenyl)Porphinate May Activate the Apoptotic Pathways in melanoma cells?. In: 6th Pharmacobiometallics. napoli - Italy, 30/11-01/12/2006, p. 50-51

19 2006

PRINZIVALLI C, ABBATE M, BARBIERI G, CANFORA L, CASELLA G, COSTA M, FIGLIORE T, PELLERITO C, SCIACCA ID, SCOPELLITI M, PELLERITO L (2006). Synthesis, Structural Investigation and Biological Activity of new diorganotin(IV) N-Acetylcysteine Complexes. In: 6th Pharmacobiometallics. napoli - Italy, 30/11-01/12/2006, p. 36

18 2005

CASELLA G, GIUFFRIDA S, DUCA D (2005). BUTENE/H-ZSM-5: STUDIO COMPUTAZIONALE DI MODELLI DI

SUPERFICIE E CATALITICI. In: Congresso Società Chimica Italiana: Convegno congiunto delle sezioni Calabria e Sicilia., Catania - Italy, 5-6/12/2005, p. c13

17 2005

GIUFFRIDA S, CASELLA G, FONTANA A, DUCA D (2005). Metodi quanto meccanici e Monte-Carlo applicati a sistemi nanostrutturati. In: Congresso Società Chimica Italiana: Convegno congiunto delle sezioni Calabria e Sicilia., Catania - Italy, 5-6/12/2005, p. C22

16 2005

PELLERITO C, ABBATE M, CASELLA G, FIORE T, MOHAMED MMA, PRINZIVALLI C, SCIACCA ID, SCOPELLITI M, STOCCO GC, PELLERITO L (2005). Novel Metallic and Organometallic Based Antiproliferative Complexes: Integrated Methodologies of Evaluation. In: V Symposium Pharmaco-Bio-Metallics. Bertinoro (FC) - Italy, 10-13/11/2005, p. 121-122

15 2005

FIORE T, ABBATE M, CASELLA G, SCIACCA ID, SCOPELLITI M, PRINZIVALLI C, STOCCO GC, PELLERITO L (2005). Platinum Complexes with Biological Molecules: Solid State and Solution Phase Investigations. In: V Symposium Pharmaco-Bio-Metallics. Bertinoro (FC) - Italy, 10-13/11/2005, p. 123-124

14 2005

SCIACCA ID, AIELLO GL, BIGNETTI E, ABBATE M, CASELLA G, PRINZIVALLI C, SCOPELLITI M, PELLERITO L (2005). Synthesis and Characterization of Diorganotin(IV) Complexes with Phenothiazine Class Drugs. Biological and Theoretical Studies on Cytotoxic Activity. In: X Scuola Nazionale per Dottorandi - Chimica Bioinorganica. Catania, 12-14/09/2005, p. 122

13 2004

BAGNO A, BERTAZZI N, CASELLA G, FERRANTE F, FIORE T, PELLERITO C, PELLERITO L, SAIELLI G, SCIACCA I.D, SCOPELLITI M (2004). ^{119}Sn NMR Computational study of Dimethyltin(IV) – D-ribonic Acid and Dimethyltin(IV) – N-Acetylneuraminic acid complexes. In: 4th Workshop on Pharmaco-Bio-Metallics. Lecce - Italy, 29-31/10/2004, p. 95-96

12 2004

BERTAZZI N, CASELLA G, D'AGATI P, FIORE T, MANSUETO C, MANSUETO V, NAGY L, PELLERITO C,

PELLERITO L, SCIACCA I.D, SCOPELLITI M (2004). Diorganotin(IV) complexes with aldonic acids. Synthesis and structural study in solid state and in solution phase and biological activity. In: 4th Workshop on Pharmaco-Bio-Metallics. Lecce - Italy, 29-31/10/2004, p. 55-56

11 2004

D'AGATI P, MANSUETO V, MANSUETO C, PELLERITO C, FIORE T, SCIACCA ID, CASELLA G, NAGY L, PELLERITO L (2004). Organometallic Complexes with Biological Molecules. XIX: Synthesis, Structural Investigations on Organotin(IV) Chlorin-E6 Complexes. In: Atti della Accademia di Scienze Lettere e Arti di Palermo. vol. XXIII, p. 60-71

10 2004

SCOPELLITI M, GIACALONE R, CASELLA G, FIORE T, PELLERITO C, RUBINO S, SCIACCA I.D, STOCCO G.C, PELLERITO L (2004). Organotin(IV) derivatives of fatty acids : Solid state and solution phase investigations. In: 4th Workshop on Pharmaco-Bio-Metallics. Lecce - Italy, 29-31/10/2004, p. 107-108

9 2004

RANDAZZO C, FIORE T, PELLERITO C, SCOPELLITI M, SCIACCA ID, CASELLA G, RUBINO S, NAGY L, PELLERITO L (2004). Organotin(IV)-Quinolone antibiotic derivatives: Solid State Investigation. In: Atti della Accademia di Scienze Lettere e Arti di Palermo. vol. XXIII, p. 72-82

8 2003

C. PELLERITO, T. FIORE, M. SCOPELLITI, G. STOCCO, P. DAGATI, C. MANSUETO, V. MANSUETO, L. NAGY, CASELLA G, L. PELLERITO (2003). Effects on sea urchin embryonic development and induced apoptotic changes by Organotin(IV) Chlorin e-6 complexes exposure. In: 3rd Workshop on Pharmaco-Bio-Metallics. Sorrento - Italy, 7-9/11/2003, p. 49

7 2002

FERRANTE F, CASELLA G (2002). A Preliminary quantum Chemical Study of NMR properties of Dimethyltin(IV)-N-Acetylneuraminic Acid complex. In: Mediterranean Seminar on Computational Chemistry for Complex Systems. Palermo - Italy, 4-7/10/2002

6 2002

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AMBITI DI RICERCA

- 1) Complessi organometallici (principalmente derivati di organostagno(IV)) con potenziale attività farmacologica.
- 2) Calcolo di parametri NMR di composti metallici e organometallici tramite metodi DFT.
- 3) Cristalli liquidi ionici.