

CURRICULUM VITAE

Claudio Cassino

Place and date of birth: Asti (Italy); 15th April, 1976
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Education

University

1995-2000 **Graduate studies** in Chemistry (bio-inorganic) at the Science Faculty of the Università del Piemonte Orientale.

Graduate thesis at the Chemistry Laboratory of the Università del Piemonte Orientale under the supervision of Prof. Domenico Osella: “Studio del meccanismo di azione antitumorale di sali di ferrocenio” (“Study of the mechanism of antitumoral action of ferrocenium salts”)

November 2000 **Degree in Chemistry**, grades: 110/110 cum laude

Previous education

1990-1995 Scientific High School in Asti.

Post Graduate

2000-2003 **Ph.D. in Chemistry**, Dipartimento di Scienze e Tecnologie Avanzate Università del Piemonte Orientale.

Ph.D. work area: “Sintesi e caratterizzazione di composti di coordinazione ed organometallici; loro possibile impiego in biologia e medicina” (“Synthesis and

characterization of coordination and organometallic compounds; applications in medicine and biology”)

- May 2002 FEBS/EU Practical Training Course: “*Role of Metals in Biology, Medicine and the Environment*”, Université Catholique de Louvain, Louvain-la-Neuve, May 20-30 2002.
- June 2002 National School of Bioinorganic Chemistry for PhD Student, Italian Chemical Society, San Miniato (PI), June 24-28 2002.
- September 2002 National School of Nuclear Magnetic Resonance, Biotechnology Foundation, Turin, September 2-6 2002.
- February 2004 **Ph.D. in Chemistry**, Università del Piemonte Orientale.
- May 2007 National School “Analytical Methodologies in Mass Spectrometry”, Parma University, Parma, 21-25 May 2007
- September 2009 National School of Nuclear Magnetic Resonance Advanced Course, Biotechnology Foundation, Turin, August 31 - September 4 2009.
- 2005-today Part of the Department of Science and Technological Innovation of the University of Piemonte Orientale "A. Avogadro" as Magnetic Resonance laboratory technician.

Languages

English, Italian (native).

Publications

Full articles:

- 1) G. Tabbì, **C. Cassino**, G. Cavigliolo, D. Colangelo, A. Ghiglia, I. Viano, D. Osella, Water Stability and Cytotoxic Activity Relationship of a Series of Ferrocenium Derivatives. ESR Insights on the Radical Production During the Degradation Process, *J. Med. Chem.*, **2002**, 45(26), 5786-5796.
- 2) D. Colangelo, A. Ghiglia, I. Viano, H. Mahboobi, A.R. Ghezzi, **C. Cassino**, D. Osella, Might telomerase enzyme be a possible target for trans-Pt(II) complexes?, *J. Inorg. Biochem.*, **2004**, 98, 61-67.

- 3) A.R. Ghezzi, M. Aceto, **C. Cassino**, E. Gabano, D. Osella, Uptake of antitumor platinum(II)-complexes by cancer cells, assayed by inductively coupled plasma mass spectrometry, ICP-MS, *J. Inorg. Biochem.*, **2004**, *98*, 73-78.
- 4) **C. Cassino**, E. Gabano, M. Ravera, G. Cravotto, G. Palmisano, A. Vessieres, G. Jaouen, S. Mundwiler, R. Alberto, D. Osella, Platinum(II) and technetium(I) complexes anchored to ethynylestradiol: a way to drug targeting and delivery, *Inorg. Chim. Acta*, **2004**, *357*, 2157-2166.
- 5) M. Ravera, S. Baracco, **C. Cassino**, D. Colangelo, G. Bagni, G. Sava, D. Osella, Electrochemical measurements confirm the preferential bonding of the antimetastatic complex [ImH][RuCl₄(DMSO)(Im)] (NAMI-A) with proteins and the weak interaction with nucleobases, *J. Inorg. Biochem.*, **2004**, *98*, 984-990
- 6) M. Ravera, S. Baracco, **C. Cassino**, P. Zanella, D. Osella, Appraisal of the redox behaviour of the antimetastatic ruthenium(III) complex [ImH][RuCl₄(DMSO)(Im)], NAMI-A, *J. Chem. Soc. Dalton Trans.*, **2004**, 2347-2351
- 7) E. Monti, M. Gariboldi, A. Maiocchi, E. Marengo, **C. Cassino**, E. Gabano, D. Osella, Cytotoxicity of cis-Platinum(II) Conjugate Models. The Effect of Chelating Arms and Leaving Groups on Cytotoxicity: A Quantitative Structure-Activity Relationship Approach, *J. Med. Chem.*, **2005**, *48*(3), 857-866.
- 8) E. Gabano, **C. Cassino**, S. Bonetti, C. Prandi, D. Colangelo, A. Ghiglia, D. Osella, Synthesis and characterisation of estrogenic carriers for cytotoxic Pt(II) fragments: biological activity of the resulting complexes, *Org. Biomol. Chem.*, **2005**, *3*, 3531-3539.
- 9) M. Ravera, **C. Cassino**, E. Monti, M. Gariboldi, D. Osella, Enhancement of the cytotoxicity of titanocene dichloride by aging in organic co-solvent, *J. Inorg. Biochem.*, **2005**, *99*, 2264-2269.
- 10) M. Ravera, **C. Cassino**, S. Baracco, D. Osella, New Insight into the Redox Chemistry of Ruthenium Metallopharmaceuticals: The Electrochemical Behaviour of [LH][*trans*-Ru^{III}Cl₄L₂] (L = imidazole or indazole) complexes, *Eur. J. Inorg Chem.*, **2006**, 740-746.
- 11) E. Gabano, E. Marengo, M. Bobba, E. Robotti, **C. Cassino**, M. Botta, D. Osella, ¹⁹⁵Pt NMR spectroscopy: A chemometric approach, *Coord. Chem. Rev.*, **2006**, *250*, 2158-2174.
- 12) E. Gabano, M. Ravera, **C. Cassino**, S. Bonetti, G. Palmisano, D. Osella, Stepwise assembly of platinum-folic acid conjugates, *Inorg. Chim. Acta*, **2008**, *361*, 1447-1455..
- 13) A. Buico, **C. Cassino**, F. Dondero L. Vergani, D. Osella, Radical scavenging abilities of fish MT-A and mussel MT-10 metallothionein isoforms: an ESR Study, *J. Inorg. Biochem.*, **2008**, *102*, 921-927.

- 14) M. Ravera, A. Buico, F. Gosetti, **C. Cassino**, D. Musso, D. Osella, Oxidative degradation of 1,5-naphthalenedisulfonic acid in aqueous solutions by microwave irradiation in the presence of H₂O₂, *Chemosphere*, **2009**, 74, 1309-1314.
- 15) A. Buico, **C. Cassino**, M. Ravera, P.G. Betta, D. Osella, Oxidative stress and total antioxidant capacity in human plasma, *Redox Report*, **2009**, 14(3), 125-131.
- 16) R. Alberto, H.P. N'Dongo, M. Clericuzio, S. Bonetti, E. Gabano, **C. Cassino**, M. Ravera, D. Osella, Functionalized thymidine derivatives as carriers for the γ -emitter technetium tricarbonyl moiety, *Inorg. Chim. Acta*, **2009**, 362, 4785-4790.
- 17) L. Tei, Z. Baranyai, E. Brücher, **C. Cassino**, F. Demicheli, N. Masciocchi, G.B. Giovenzana, M. Botta, Dramatic increase of selectivity for heavy lanthanide(III) cations by tuning the flexibility of polydentate chelators, *Inorg Chem.* **2010**, 49, 616-625.
- 18) M. Ravera, D. Musso, F. Gosetti, **C. Cassino**, E. Gamalero, D. Osella, Oxidative degradation of 1,5-naphthalenedisulfonic acid in aqueous solution by UV-photolysis in the absence and presence of H₂O₂. *Chemosphere* **2010**, 79, 144-148.
- 19) M. Botta, S. Avedano, G.B. Giovenzana, A. Lombardi, D. Longo, **C. Cassino**, L. Tei, S. Aime, Relaxometric Study of a Series of Monoaqua GdIII Complexes of Rigidified EGTA-Like Chelators and Their Noncovalent Interaction with Human Serum Albumin. *Eur. J. Inorg. Chem.* **2011**, 802-810.
- 20) M. Clericuzio, **C. Cassino**, F. Corana, G. Vidari, Terpenoids from *Russula Lepida* and *R. Amarissima* (Basidiomycota, Russulaceae). *Phytochemistry* **2012**, 84, 154–159.
- 21) L. Tei, Z. Baranyai, **C. Cassino**, M. Fekete, F.K. Kálmánb, M. Botta, Solution properties of the Ln^{III} complexes of a novel octadentate chelator with rigidified iminodiacetate arms. *Dalton Trans.*, **2012**, 41, 12797-12806.
- 22) D. Esteban-Gómez, **C. Cassino**, M. Botta, C. Platas-Iglesias, ¹⁷O and ¹H relaxometric and DFT study of hyperfine coupling constants in [Mn(H₂O)₆]²⁺. *RSC Adv.*, **2014**, 4, 7094-7103.
- 23) G. Gambino, S. de Pinto, L. Tei, **C. Cassino**, F. Arena, E. Gianolio, M. Botta, A new ditopic Gd(III) complex functionalized with an adamantyl moiety as a versatile building block for the preparation of supramolecular assemblies. *J. Biol. Inorg. Chem.*, **2014**, 19, 133-143.
- 24) G. Digilio, T. Tuccinardi, F. Casalini, **C. Cassino**, D.M. Dias, C.F.G.C. Geraldes, V. Catanzaro, A. Maiocchi, A. Rossello, Study of the binding interaction between fluorinated matrix metalloproteinase inhibitors and Human Serum Albumin. *Eur. J. Med. Chem.*, **2014**, 79, 13-23.
- 25) M. Clericuzio, G. Vidari, **C. Cassino**, L. Legnani, L. Toma, Roseic Acid and Roseolactones A and B, Furan-Cucurbitane Triterpenes from *Russula aurora* and *R. minutula* (Basidiomycota). *Eur. J. Org. Chem.*, **2014**, 25, 5462-5468.

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- 28) M. Ravera, E. Gabano, S. Bianco, G. Ermondi, G. Caron, M. Vallaro, G. Pelosi, I. Zanellato, I. Bonarrigo, **C. Cassino**, D. Osella, Host-guest inclusion systems of Pt(IV)-bis(benzoato) anticancer drug candidates and cyclodextrins. *Inorg. Chim Acta*, **2015**, 432, 115-127.
- 29) C. Tonda-Turo, M. Boffito, **C. Cassino**, P. Gentile, G. Ciardelli, Biomimetic polyurethane - Based fibrous scaffolds. *Mater. Lett.*, **2016**, 167, 9-12.
- 30) G. Digilio, S. Sforzini, **C. Cassino**, E. Robotti, C. Oliveri, E. Marengo, D. Musso, D. Osella, A. Viarengo, Haemolymph from *Mytilus galloprovincialis*: Response to copper and temperature challenges studied by ¹H-NMR metabonomics. *Comp. Biochem. Phys C*, **2016**, 183-183, 61-71.
- 31) C. Mattu, A. Silvestri, T.R. Wang, M. Boffito, E. Ranzato, **C. Cassino**, G. Ciofani, G. Ciardelli, Surface-functionalized polyurethane nanoparticles for targeted cancer therapy. *Polym. Int.*, **2016**, 65(7), 770-779.
- 32) **C. Cassino**, V. Gianotti, F. Bonello, C. Tsolakis, M.C. Cravero, D. Osella, Antioxidant Composition of a Selection of Italian Red Wines and Their Corresponding Free-Radical Scavenging Ability. *Journal of Chemistry*, **2016**, Article Number: 4565391, DOI: 10.1155/2016/4565391.
- 33) V. Gianotti, D. Antonioli, K. Sparnacci, M. Laus, **C. Cassino**, F. Marsano, G. Seguni, M. Perego, TGA-GC-MS quantitative analysis of phosphorus-end capped functional polymers in bulk and ultrathin films. *J. Anal. Appl. Pyrolysis*, **2017**, 128, 238-245.
- 34) **C. Cassino**, C. Tsolakis, F. Bonello, V Gianotti, D. Osella, Effects of area, year and climatic factors on Barbera wine characteristics studied by the combination of ¹H-NMR metabolomics and chemometrics, *J. Wine Res.*, **2017**, 28(4), 259-277.
- 35) F. Kielar, **C. Cassino**, L. Leone, L. Tei M. Botta, Macrocyclic trinuclear gadolinium(III) complexes: the influence of the linker flexibility on the relaxometric properties. *New J. Chem.*, **2018**, 42(10), 7984-7992.
- 36) M. Aceto, F. Bonello, D. Musso, C. Tsolakis, **C. Cassino**, D. Osella, Wine Traceability with Rare Earth Elements. *Beverages*, **2018**, 4(1), 23.

- 37) V. Gianotti, D. Antonioli, K. Sparnacci, G. Seguini, **C. Cassino**, M. Perego, M. Laus, Analysis of phosphorus-end capped functional polymers, from bulk to ultrathin films. *AIP Conf. Proc.*, **2018**, 1981, 020164.
- 38) **C. Cassino**, C. Tsolakis, F. Bonello, V. Gianotti, D. Osella, Wine evolution during bottle aging, studied by ¹H NMR spectroscopy and multivariate statistical analysis. *Food Res. Internat.*, **2019**, 116, 566-577.
- 39) T. Nardi, L. Panero, M. Petrozziello, M. Guaita, C. Tsolakis, **C. Cassino**, P. Vagnoli, A. Bosso, Managing wine quality using *Torulaspora delbrueckii* and *Oenococcus oeni* starters in mixed fermentations of a red Barbera wine. *Eur. Food Res. Technol.*, **2019**, 245, 293-307.
- 40) S. Caddeo, M. Mattioli-Belmonte, **C. Cassino**, N. Barbani, M. Dicarlo, P. Gentile, F. Baino, S. Sartori, C. Vitale-Brovarone, G. Ciardelli, Newly-designed collagen/polyurethane bioartificial blend as coating on bioactive glass-ceramics for bone tissue engineering applications. *Mater. Sci. Eng. C*, **2019**, 96, 218-233.

Proceedings:

- 1) **C. Cassino**, G. Cavigiolo, D. Colangelo, F. Galeotti, A. Ghiglia, D. Osella, G. Tabbì, “Water Stability and Cytotoxic Activity Relationship of a Series of Ferrocenium Salts. Characterization of The Radical Production during the Degradation Process”, from the book of abstracts of the *10th International Conference on Bioinorganic Chemistry*, Florence, August 2001, and abstract in *J. Inorg. Biochem.*, **2001**, 86(1), 171.
- 2) **G. Tabbì**, **C. Cassino**, G. Cavigiolo, D. Colangelo, A. Ghiglia, I. Viano, D. Osella, “Water Stability and Cytotoxic Activity Relationship of a Series of Ferrocenium Derivatives. ESR Insights on the Radical Production During the Degradation Process”, from the book of abstracts of the *1st Workshop on Pharmaco-bio-metallics*, Certosa di Pontignano (SI), November 2001
- 3) **G. Tabbì**, **C. Cassino**, G. Cavigiolo, D. Colangelo, A. Ghiglia, I. Viano, D. Osella, “Esr Insight on The Radical Production During The Degradation Process Relationship of Some Ferrocenium Derivatives. Determination of Their Water Stability and Cytotoxic Activity”, abstract in *Free Radical Biology And Medicine*, **2002**, 33(40) suppl. 1, S19.
- 4) **C. Cassino**, M. Ravera, D. Osella, A. Ghiglia, D. Colangelo, E.M. Rosenberg, F. Spada, “Biorganometallic Triosmium Cluster With Antitelomerase Properties”, from the book of abstracts of the *First International Symposium on Bioorganometallic Chemistry*, Paris, July 2002.
- 5) **C. Cassino**, G. Cavigiolo, M. Ravera, D. Osella, G. Tabbì, D. Colangelo, A. Ghiglia, “Ferrocenium Derivatives as Antitumor Agents: The Key Role of The Radical Species Produced

During The Degradation Process In Cytotoxicity” from the book of abstracts of the *First International Symposium on Bioorganometallic Chemistry*, Paris, July 2002.

- 6) H. Mahboobi, A. Viarengo, **C. Cassino**, D. Colangelo, D. Osella, “Resistance Induced by Metallothioneins on Anticancer Action of Metal-based compounds”, from the book of abstracts of the *XXX Congresso Nazionale Chimica Inorganica*, Modena, September 2002.
- 7) A. Ghiglia, D. Colangelo, **C. Cassino**, M. Ravera, D. Osella, “Old DNA-interacting Complexes With Unconventional Action” from the book of abstracts of the *XXX Congresso Nazionale Chimica Inorganica*, Modena, September 2002.
- 8) A. Ghezzi, A. Ghiglia, D. Colangelo, H. Mahboobi, **C. Cassino**, M. Ravera, I. Viano, D. Osella, “Old Pt(II)-complexes With Unconventional Antitelomerase Action”, from the book of abstracts of the *2nd Workshop on Pharmaco-bio-metallics*, Certosa di Pontignano (SI), December 2002.
- 9) H. Mahboobi, A. Viarengo, **C. Cassino**, D. Colangelo, D. Osella, “Resistance Induced by Metallothioneins on Anticancer Action of Metal-based Compounds”, from the book of abstracts of the *2nd Workshop on Pharmaco-bio-metallics*, Certosa di Pontignano (SI), December 2002.
- 10) E. Gabano, **C. Cassino**, M. Ravera, G. Cravotto, D. Colangelo, I. Viano, D. Osella, “Estradiol as Carrier For Selective Delivery of Cytotoxic Pt(II) Complexes to Cancer Cell Nuclei”, from the book of abstracts of the *2nd Workshop on Pharmaco-bio-metallics*, Certosa di Pontignano (SI), December 2002
- 11) A. Ghiglia, D. Colangelo, I. Viano, E. Rosenberg, F. Spada, M. Ravera, **C. Cassino**, D. Osella, “Inhibition of Telomerase by Water-soluble Osmium Clusters as Antitumoral Specific Strategy”, from the book of abstracts of the *2nd Workshop on Pharmaco-bio-metallics*, Certosa di Pontignano (SI), December 2002
- 12) **C. Cassino**, E. Gabano, M. Ravera, G. Cravotto, G. Palmisano, A. Vessieres, G. Jaouen, D. Osella, “Synthesis And Characterization of Estradiol Derived Platinum Complexes”, from the book of abstracts of the *7th FIGIPS Meeting in Inorganic Chemistry*, Lisbon, June 2003
- 13) E. Gabano, **C. Cassino**, M. Ravera, G. Cravotto, G. Palmisano, E. Monti, M. Gariboldi, D. Osella, “Estradiol Derivatives as Carrier For Selective Vehiculation of Cytotoxic Pt(II) Complexes Towards Cancer Cells”, from the book of abstracts of the at the *XXI Congresso Nazionale della Società Chimica Italiana*, Turin, June 2003
- 14) E. Gabano, **C. Cassino**, M. Ravera, G. Cravotto, G. Palmisano, A. Vessieres, G. Jaouen, S. Mundwiler, R. Alberto, D. Osella, “Ethynelestradiol Derivatives as Carrier for Selective Vehiculation of Cytotoxic Pt(II)-Malonate and Radioactive Tc Fragments Towards Cancer Cells”, from the book of abstracts of the *COST D20 mid-term evaluation meeting*, Trieste, September 2003.
- 15) E. Gabano, **C. Cassino**, M. Ravera, E. Marengo, E. Monti, M. Gariboldi, A. Maiocchi, D. Osella, “Classical Pt(II) Anticancer Complexes Revised in View of Drug Targeting And

Delivery”, from the book of abstracts of the *3rd Workshop on Pharmaco-bio-metallics*, Sorrento (NA), November 2003.

- 16) AR. Ghezzi, M. Aceto, **C. Cassino**, E. Gabano, D. Colangelo, A. Ghiglia, H. Mahboobi, D. Osella, “Cellular Uptake of Antitumor Platinum(II)-complexes Evaluated by Means of ICP-MS Technique”, from the book of abstracts of the *3rd Workshop on Pharmaco-bio-metallics*, Sorrento (NA), November 2003.
- 17) **C. Cassino**, E. Gabano, M. Bottaro, M. Ravera, D. Osella, “Activation of the Anticancer Drug Titanocene Dichloride by Aging”, from the book of abstracts of the *COST D20 Conference*, Garmisch-Partenkirchen, August 2004.
- 18) E. Gabano, **C. Cassino**, C. Prandi, S. Bonetti, D. Osella, “Ethinylestradiol-Pt(II) Complexes in Drug Targeting Strategy: Light and Shade”, from the book of abstracts of the *COST D20 Conference*, Garmisch-Partenkirchen, August 2004.
- 19) M. Ravera, S. Baracco, **C. Cassino**, P. Zanello, D. Osella, “A Novel Activation Mechanism of NAMI-A in Acidic and Reducing Milieu”, from the book of abstracts of the *COST D20 Conference*, Garmisch-Partenkirchen, August 2004.
- 20) **C. Cassino**, E. Gabano, M. Bottaro, M. Ravera, D. Osella, “Effects of Dimethylsulfoxide and Ethanol on the Cytotoxic Activity of Titanocene Dichloride”, from the book of abstracts of the *XXXII Congresso Nazionale della Divisione di Chimica Inorganica*, Rome, September 2004.
- 21) M. Ravera, E. Gabano, **C. Cassino**, C. Prandi, S. Bonetti, D. Osella, “Ethinylestradiol-Pt(II) Complexes for Selective Drug Targeting”, from the book of abstracts of the *XXXII Congresso Nazionale della Divisione di Chimica Inorganica*, Rome, September 2004.
- 22) E. Gabano, **C. Cassino**, M. Ravera, E. Marengo, E. Monti, M. Gariboldi, A. Maiocchi, D. Osella, “Cytotoxicity of Some Pt(II)-diamine Complexes: a QSAR Evaluation of the Effect of Chelating Arms and Leaving Groups”, from the book of abstracts of the *XXXII Congresso Nazionale della Divisione di Chimica Inorganica*, Rome, September 2004.
- 23) M. Ravera, S. Baracco, C. Cassino, P. Zanello, D. Osella, “Appraisal of the Redox Behaviour of the Antimetastatic Ruthenium(III) Complex [ImH][RuCl₄(DMSO)(Im)], NAMI A”, from the book of abstracts of the *XXXII Congresso Nazionale della Divisione di Chimica Inorganica*, Rome, September 2004.
- 24) M. Ravera, **C. Cassino**, E. Monti, M. Gariboldi, D. Osella, “Enhancement of the Cytotoxicity of Titanocene Dichloride by Aging in Organic Co-solvent”, from the book of abstracts of the *XXXIII Congresso Nazionale della Divisione di Chimica Inorganica*, Siena, July 2005.
- 25) S. Baracco, M. Ravera, **C. Cassino**, D. Osella, “Electrochemical Studies for the Determination of Interaction Between Biomolecules and Metal Complexes”, from the book of abstracts of the *XXXIII Congresso Nazionale della Divisione di Chimica Inorganica*, Siena, July 2005.

- 26) E. Gabano, **C. Cassino**, S. Bonetti, M. Ravera, D. Osella, “Estrogenic carriers for cytotoxic Pt(II) complexes: light and shade”, from the book of abstracts of the *1st European Conference on Chemistry for Life Science*, Rimini, October 2005.
- 27) M. Ravera, S. Baracco, **C. Cassino**, E. Monti, M. Gariboldi, D. Osella, “The aging in organic co-solvent of the antitumor drug titanocene dichloride: chemical and biological implications”, from the book of abstracts of the *1st European Conference on Chemistry for Life Science*, Rimini, October 2005.
- 28) E. Gabano, E. Marengo, M. Bobba, E. Robotti, **C. Cassino**, M. Botta, D. Osella “¹⁹⁵Pt NMR chemical shift: a chemometric approach” from the book of abstracts of the *5th Workshop on Pharmaco-bio-metallics*, Bertinoro (FC), November 2005.
- 29) **C. Cassino**, E. Gabano, S. Bonetti, A. Palmucci, D. Osella, “log P_{o/w} determination for a series of Pt(II) complexes by means of reverse phase HPLC” from the book of abstracts of the *5th Workshop on Pharmaco-bio-metallics*, Bertinoro (FC), November 2005.
- 30) S. Bonetti, S. Isolano, **C. Cassino**, E. Gabano, M. Ravera, D. Osella, “Folic acid derivatives for selective platinum delivery”, from the book of abstracts of the *5th Workshop on Pharmaco-bio-metallics*, Bertinoro (FC), November 2005.
- 31) **C. Cassino**, A. Buico, F. Dondero, M. Grattarola, L. Vergani, D. Osella, “ESR Analysis of the Radical Scavenging Ability of Fish and Molluscan Metallothioneins”, from the book of abstract of the *XXXV Congresso Nazionale della Divisione di Chimica Inorganica della Società Chimica Italiana*, Milan, September 2007.
- 32) M. Ravera, G. Bagni, **C. Cassino**, D. Osella, “Analysis of the interaction between DNA and Pt(II)-drugs using an electrochemical biosensor: the role of carbonate in the platinum binding”, from the book of abstract of the *XXXV Congresso Nazionale della Divisione di Chimica Inorganica della Società Chimica Italiana*, Milan, September 2007.
- 33) **C. Cassino**, F. Morgese, D. Musso, S. Vaglio, M. Botta, D. Osella, “study of the oxidation process of some culinary oils by ¹H NMR spectroscopy”, from the book of abstract of the “*XXXVII National Congress on Magnetic Resonance*”, Verbania, September 2007.
- 34) M. Ravera, A. Buico, C. Cassino, F. Dondero, M. Grattarola, L. Vergani, D. Osella, “Radical Scavenging Ability of Fish and Molluscan Metallothioneins studied by ESR technique”, from the book of abstract of the *7th Workshop on PharmacoBioMetallics*, Palermo, October 2007.
- 35) S. Bubici, G. Ferrante, **C. Cassino**, M. Botta, D. Osella, “Tecniche Rilassometriche a Ciclo di Campo nello Studio delle Noccioline: una Indagine Preliminare”, from the book of abstract of the *Workshop: "Applicazioni della Risonanza Magnetica nella Scienza degli Alimenti"*, Campobasso, May 2008.

- 36) **C. Cassino**, G. Digilio, A. Buico, F. Dondero, M. Grattarola, L. Vergani, D. Osella, “The Role of Fish and Molluscan Metallothioneins as Radical Scavengers: an ESR Study”, from the book of abstract of the 8th *Workshop on PharmacoBioMetallics*, Ravenna, October 2008.
- 37) A. Buico, **C. Cassino**, M. Ravera F. Dondero, M. Grattarola, L. Vergani, D. Osella, “Radical Scavenging Ability of Metallothioneins and Their Role as Metal Chelating Agents”, from the book of abstract of the 9th *Workshop on PharmacoBioMetallics*, Siena, November 2009.
- 38) **C. Cassino**, M. Fekete, G.B. Giovenzana, L. Tei, M. Botta, “Characterization and Relaxometric Analysis of GdOBETA, a new Example of Stable q = 2 Complex”, from the book of abstract of the *XL National Congress on Magnetic Resonance*, Parma, September 2011.
- 39) J. Martinelli, G. Gambino, S. de Pinto, K. Thangavel, **C. Cassino**, L. Tei, M. Botta, “A new ditopic Gd(III) complex functionalized with an adamantyl moiety as a versatile building block for the preparation of supramolecular assemblies” from the book of abstract of the 8th *International Conference on f-Elements*, Udine, August 2012.
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