

Dott. Mario Amati

CURRICULUM SCIENTIFICO

Dr. Mario Amati received the degree in Chemistry from University of Basilicata with a grade of 110/110 cum laude in March 2001. He got a fellowship at INSTM in 2001 and the PhD in Chemical Science from University of Basilicata on February 2005 under the supervision of Prof. Francesco Lej. From 2006, he has a permanent position as assistant professor (“ricercatore a tempo indeterminato”) of Inorganic Chemistry at the Science Faculty of University of Basilicata.

Mario Amati taught the Inorganic Chemistry Laboratory course (Degree in Chemistry) and the General Chemistry course (Degree in Tecnologie Agrarie) in 2005, the Inorganic Chemistry course (Degree in Chemistry) in 2006 and 2007 and the Inorganic Chemistry course (Master in Chemistry) from 2008 to now at the of the University of Basilicata.

His main research interests focus on computational characterization of transition and main-groups metal complexes, on the study of their reactivity, spectroscopic and electrochemical properties in solution and solid phases. Currently, he is performing part of his research work in Amsterdam, at the Theoretical Chemistry Division of VrijUniversiteit (University of Amsterdam), within a collaboration in the field of computational studies about the electric field gradient (EFG) in transition metal compounds.

Mario Amati has produced 22 publications on international peer-reviewed chemistry journals.

Principali Pubblicazioni / Selected Papers and Publications:

“Fac and mer isomers of Alq_3 [Aluminum tris(8-hydroxyquinolate)]. A pure and hybrid DFT and TD-DFT comparison of their structural and spectroscopic properties”

M. Amati, F. Lej, *Journal of Physical Chemistry A*, anno 2003, vol. 107, p. 2560

“Blue emitting pentacoordinated Al(III) complexes based on 2-methyl-quinolin-8-olate and substituted phenolate ligands. The role of phenolate derivatives on emission and absorption properties”

Massimo La Deda, Iolinda Aiello, Annarita Grisolia, Mauro Ghedini, Mario Amati, and Francesco Lej
Dalton Transactions, anno 2006, pp. 390-399

“Competition between Bailar and Ray-Dutt paths in conformational interconversion of tris-chelated complexes: a DFT study”

Amati, Mario; Lej, Francesco

Theoretical Chemistry Accounts, anno 2008, vol. 120, pp. 447-457

“Alogen bonding in metal-supramolecular networks”

Roberta Bertani, Paolo Sgarbossa, Alfonso Venzo, Francesco Lej, Mario Amati, Giuseppe Resnati, Tullio Pilati, Pierangiolo Metrangolo, Giancarlo Terraneo

Coordination Chemistry Review, anno 2010, vol. 254, pp. 677-695

ORARIO E SEDE DI RICEVIMENTO:

Studio 2DA330, lunedì (monday) 15:00-17:00, Thursday (giovedì) 15:00-17:00

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