



**DIPARTIMENTO DI CHIMICA E TECNOLOGIE DEL FARMACO.
CURRICULUM DIDATTICO-SCIENTIFICO DELLA DOTT. ANTONELLA GOGGIAMANI**

DATI PERSONALI

Antonella Goggiamani

Roma 27.10.1975

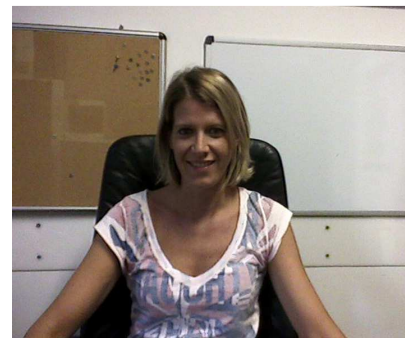
Dipartimento : Chimica e Tecnologie del Farmaco

Indirizzo: Laboratori di Chimica Organica,
Università La Sapienza
P.le Aldo Moro 5, 00199 Roma

Telefono: 06. 49912789

Fax: 06. 49912780

E-mail: antonella.goggiamani@uniroma1.it



Settore Scientifico-Disciplinare: CHIM 06

Orario di Ricevimento: mercoledì 15-17

ATTUALE POSIZIONE

Ricercatore confermato

CARRIERA E TITOLI

Dal Nov. 2006	Ricercatore Universitario
Apr 2004 – mar 2006	Assegno per la collaborazione ad attività di ricerca
Nov 2002 – Ott 2005	Dottorato di ricerca in Scienze Farmaceutiche (La Sapienza). Supervisore: Prof. Sandro Cacchi.
Feb 2002 – mar 2004	Assegno per la collaborazione ad attività di ricerca

ATTIVITA' DIDATTICA

Esercitazioni di Chimica organica I del corso di laurea in Chimica e Tecnologia Farmaceutiche

ATTIVITA' SCIENTIFICA

L'attività di ricerca è svolta nei laboratori del prof. Cacchi e del prof. Fabrizi presso il Dipartimento di Chimica e Tecnologie del Farmaco. Come testimoniato dalle pubblicazioni, la Dr.ssa Antonella Goggiamani lavora nel settore della catalisi dei metalli di transizione nella sintesi organica. In particolare, sfruttando la catalisi del palladio e quella del rame, ha potuto sviluppare metodologie innovative sia di carattere generale nel settore della sintesi organica (formazione di legami carbonio-carbonio e carbonio-eteroatomo) sia dirette verso la costruzione *de novo* di vari composti



polifunzionalizzati di notevole interesse biologico come indoli, furani, benzofurani, butenolidi, chinoline, cromeni, ossazolidinoni, ecc.

PUBBLICAZIONI SCIENTIFICHE

Per review e publications di Antonella Goggiamani

#	Riferimento	Impact Factor
1	Cacchi S., Fabrizi G., Goggiamani A., Zappia G. <i>3-Aryl-2-oxazolidinones through the Palladium-Catalyzed N-Arylation of 2-Oxazolidinones</i> <i>Org. Lett.</i> 2001 , 3(16), 2539-2541	5.25
2	Cacchi S., Fabrizi G., Goggiamani A. <i>Palladium Catalysis in the Construction of the Benzo[b]furan and Furan Rings from Alkynes and Organic Halides or Triflates</i> <i>Heterocycles</i> , 2002 , 56, 613-632	1.093
3	Cacchi S., Fabrizi G., Goggiamani A., Parisi L.M. <i>Unsymmetrical Diaryl Sulfones through Palladium-Catalyzed Coupling of Aryl Iodides and Arenesulfonates</i> <i>Org. Lett.</i> 2002 , 4 (26), 4719-4721	5.25
4	Cacchi S., Fabrizi G., Goggiamani A., Moreno- Mañas M., Vallribera A. <i>The [(E,E,E)-1,6,11-tris(p-toluenesulfonyl)-1,6,11-triazacyclopentadeca-3,8,13-triene]Pd(0) complex in the Hydroarylation of alkynes in ionic liquids. An Approach to quinolines</i> <i>Tetrahedron Letters</i> 2002 , 43, 5537-5540.	3.011
5	Cacchi S., Fabrizi G., Goggiamani A., Parisi L. M. <i>An Efficient Palladium-Catalyzed Synthesis of Unsymmetrical Diaryl Sulfones from Aryl Bromides/Triflates and Arenesulfonates</i> <i>Synlett</i> 2003 , 3, 361-364	2.447
6	Cacchi S., Fabrizi G., Goggiamani A. <i>Copper-Catalyzed N-arylation of 2-Oxazolidinones. An expeditious route to Toloxatone</i> <i>Heterocycles</i> 2003 , 61, 505-512	1.093
7	Cacchi S., Fabrizi G., Goggiamani A. <i>Phosphine ligands and nitrogen bases in the solvent-free Heck reaction of butenone with aryl iodides. A Highly selective synthesis of benzalacetones</i> <i>ARKIVOC (Gainesville, FL, United States)</i> 2003 , 8, 58-66	1.096
8	Cacchi S., Fabrizi G., Goggiamani A. <i>Palladium-Catalyzed Hydrocarbonylation of Aryl and Vinyl Halides or Triflates by Acetic Anhydride and Formate Anions</i> <i>Org. Lett.</i> 2003 , 5(23), 4269-4272	5.25
9	Cacchi S., Fabrizi G., Gavazza F., Goggiamani A. <i>Palladium-Catalyzed Reaction of Aryl Iodides with Acetic Anhydride. A Carbon Monoxide Free Synthesis of Acetophenones</i> <i>Org. Lett.</i> 2003 , 5(3), 289-291	5.25



- 10 Bernini, R. Coratti A., Fabrizi G., Goggiamani A.
CH₃ReO₃/H₂O₂ in room temperature ionic liquids: an homogeneous recyclable catalytic system for the Baeyer-Villiger reaction
Tetrahedron Letters **2003**, *44*, 8991-8994
 Addendum: *Tetrahedron Letters* **2005**, *46*, 6169-6170 3.011
- 11 Cacchi S., Fabrizi G., Goggiamani A.
Palladium-Catalyzed Synthesis of Aldehydes from Aryl Iodides and Acetic Formic Anhydride
J. Comb. Chem. **2004**, *6*, 692-694 3.154
- 12 Cacchi S., Fabrizi G., Goggiamani A.
The Palladium-Catalyzed Hydroarylation of Propargylic Alcohols in Room Temperature Ionic Liquids
Journal of Molecular Catalysis A: Chemical **2004**, *14*(1), 57-64. 2.872
- 13 Cacchi S., Fabrizi G., Goggiamani A., Parisi L.M.
Unsymmetrical Sulfones through Palladium-Catalyzed Coupling of Aryl and Vinyl Halides or Triflates with Sulfinic Acid Salts
J. Org. Chem. **2004**, *69*, 5608 4.002
- 14 Cacchi S., Fabrizi G., Goggiamani A., Licandro E., Maiorana S., Perdicchia D.
Synthesis of N,N-Dialkyl-N-arylhidrazines via Palladium-Catalyzed N-Arylation by Using N,N-Dialkylhydrazines/2LiCl
Org. Lett. **2005**, *7*, 1497-1500 5.25
- 15 Cacchi S., Fabrizi G., Goggiamani A.
2,3-Disubstituted Indoles from the Palladium-Catalyzed Reaction of Aryl Chlorides and o-Alkynyltrifluoroacetanilides
Advanced Synthesis & Catalysis **2006**, *10*, 1301-1305 5.25
- 16 Cacchi S., Fabrizi G., Goggiamani A.
The Palladium-Catalyzed Assembly and Functionalization of Benzo[b]furans
Curr. Org. Chem. **2006**, *10*(12), 1423-1455 2.92
- 17 Cacchi S., Fabrizi G., Goggiamani A., Sgalla S.
Palladium-catalyzed N-arylation of N,N-dialkylhydrazines with aryl chlorides
Advanced Synthesis & Catalysis **2007**, *349*(3), 453-458. 5.25
- 18 Cacchi S., Cotet C., Fabrizi G.; Forte G.; Goggiamani A., Martin L., Martinez S., Molins E.; Moreno-Manas M.; Petrucci F., Roig A., Vallribera A.
Efficient hydroxycarbonylation of aryl iodides using recoverable and reusable carbon aerogels doped with palladium nanoparticles as catalyst
Tetrahedron **2007**, *63*(11), 2519-2523 2.618
- 19 Cacchi S., Fabrizi G., Goggiamani A., Persiani D.
Palladium-Catalyzed Hydroarylation of Alkynes with Arenediazonium Salts
Org. Lett **2008**, *8*, 1597-1600. 5.25
- 20 Bartoli G., Cacchi S., Fabrizi G., Goggiamani A.
Aryl norbornanes and analogues via palladium-catalyzed hydroarylation with arenediazonium tetrafluoroborates
Synlett **2008**, *16*, 2508-2512 2.447
- 21 Cacchi S., Fabrizi G., Goggiamani A., Sferazza A.
Palladium-catalyzed reaction of arenediazonium tetrafluoroborates with methyl 4-hydroxy-



- 2-butenoate: an approach to 4-aryl butenolides and an expeditious synthesis of rubrolide E
Synlett **2009**, 8, 1277-1280 2.447
- 22** Cacchi S., Fabrizi G., Goggiamani A., Sferrazza A
Palladium-catalyzed arylation of the THP derivative of (Z)-2-butene-1,4-diol with arenediazonium salts and the synthesis of β -aryl- γ -butyrolactones
Synlett **2009**, 6, 973-977 2.447
- 23** Ambrogio I., Cacchi S., Fabrizi G., Goggiamani A., Sgalla S.
Regio- and stereoselective Heck α -arylation of cinnamyl alcohols
Synlett **2009**, 4, 620-624 2.447
- 24** R. Berrino, S.Cacchi, G. Fabrizi, A. Goggiamani, P.Stabile
Arenediazonium tetrafluoroborates in palladium-catalyzed C-P bond-forming reactions. Synthesis of arylphosphonates, -phosphine oxides, and -phosphine.
Organic & Biomolecular Chemistry **2010**, 8(20), 4518-4520 3.451
- 25** Fabrizi G., Goggiamani A., Sferrazza A., Cacchi S.
Sonogashira Cross-Coupling of Arenediazonium Salts
Angewandte Chemie, International Edition **2010**, 49(24), 4067-4070 12.73
- 26** Cacchi S., Fabrizi G., Goggiamani A., Perboni A., Sferrazza A., Stabile P.
2,3-Disubstituted Indoles via Palladium-Catalyzed Reaction of 2-Alkynyltrifluoroacetanilides with Arenediazonium Tetrafluoroborates
Organic Letters **2010**, 12(14), 3279-3281. 5.25
- 27** L. Bagnoli, S. Cacchi, G. Fabrizi, A. Goggiamani, C. Scarponi, M. Tiecco
Diastereoselective Synthesis of Hexahydro-3H-pyrrolizidin-3-ones through Pd-Catalyzed Carboamination
Journal of Organic Chemistry **2010**, 75(6), 2134-2137 4.002
- 28** Cacchi S., Fabrizi G., Goggiamani A
Copper catalysis in the construction of indole and benzo[b]furan rings
Organic & Biomolecular Chemistry **2011**, 9(3), 641-652. 3.451
- 29** Cacchi S., Fabrizi G., Goggiamani A, Sferrazza A
Heck reaction of arenediazonium salts with N,N-diprotected allylamines. Synthesis of cinnamylamines and indoles
Organic & Biomolecular Chemistry **2011**, 9(6), 1727-1730. 3.451
- 30** Arcadi A., Blesi F., Cacchi S., Fabrizi G., Goggiamani A.
2,5,7-Trisubstituted benzo[b]furans through a copper- and/or palladium-catalyzed assembly and functionalization process
Tetrahedron Letters **2011**, 52, 5149-5152 3.011