**Curriculum Vitae prof. Ugo CHIACCHIO**

Ugo Chiacchio nato: 1948,

Laureato in Chimica presso l’Università degli Studi di Catania, indirizzo Chimica Organica: 7/7 1972-

ESPERIENZE PPROFESSIONALI

1973-1974 Borsista Ministeriale, Univ. di Catania, Istituto di Chimica Organica.

1974-1981 Contrattista Universitario, Univ. di Catania, Istituto di Chimica Organica.

1977-79 Post-doc: University of Buffalo, State University of New York at Buffalo

1981-1987 Ricercatore Universitario, Univ. di Catania, Istituto di Chimica Organica.

4.2.1984-30.7.84 Borsista NATO, Emory University, Atlanta, Georgia (USA)

1987- 2000 Professore Associato di Chimica Organica Università di Catania, Facoltà di Farmacia.

2000 Professore Ordinario di Chimica Organica Università di Catania, Facoltà di Farmacia

2001-2005 Presidente del corso di Laurea in Farmacia , Università di Catania.

Membro della: SCI (Società Chimica Italiana); International Society of Nucleosides Nucleotides and Nucleic Acids; American Chemical Society.

Responsabile locale di: diversi progetti PRIN e di Ateneo, di un progetto FIRB e FIR.

Referee of di diversi giornali es: J. Org. Chem., Synlett, Tetrahedron, Tetrahedron Letters, Bioorganic Med. Chem., and J. Med. Chem.

Riconoscimenti

1982 Borsa CNR

1984 Borsa NATO

1985-1989 progetto NATO “Utilization of Silicon Base Reagents for Heterocyclic Synthesis”.

VISITING PROFESSOR

2009 University of Zaragoza, Department of Organic Chemistry, Thesis Committee

2009 Aristotele University of Thessaloniki, School of Pharmacy, Thesis Committee

2005 Semmelweis University, Department of Organic Chemistry, Thesis Committee

May1989- September1989. Visiting Professor at Emory University, Atlanta, Georgia (USA)

COLLABORAZIONI INTERNAZIONALI

Prof. A. Padwa, Emory University, Atlanta, Ga, (USA).

Prof. A. Hassner, Bar Ilan University, Ramat Gan, (Israel).

Pedro Merino, Università de Saragoza, (Spain).

Prof. Giuseppe Gumina, Presbyterian College, School of Pharmacy, Clinton South Carolina (USA).

COLLABORAZIONI NAZIONALI

prof. Antonio Mastino, PO di Microbiologia Università di Messina e Tor Vergata (Roma);

Prof. Ferdinando Nicoletti, PO di Patologia e Immunologia Università di Catania.

CAMPO DI RICERCA:

Le principali aree di ricerca hanno riguardato: i meccanismi di reazione, la sintesi di composti eterociclici, la sintesi di nucleosidi modificati.

INDICATORI BIBLIOMETRICI

Pubblicazioni: **173** (SciFinder); capitoli di libri (internazionali): **6**. Brevetti: **4**

Google Scholar: h-index totale: **37**; h-index ultimi 15 anni: **26**; Totali citazioni (Google Scholar): **3625**; Citazioni escluso autocitazione (Google Scholar) : **3034**. Pubblicazioni indicizzate nel periodo (2007-2016): **45**.

Pubblicazioni 2007-2016:

1. Chiacchio U., Rescifina A, Iannazzo D, Piperno A, Romeo R, Borrello L, Sciortino M T, Balestrieri M, Macchi B, Mastino A, Romeo G. Phosphonated Carbocyclic 2'-Oxa-3'-Azanucleosides As New Antiretroviral Agents. *J. Med. Chem*., **2007**, *50*, 3747-3750.
2. Chiacchio U., Corsaro A, Iannazzo D, Piperno A, Romeo G, Romeo R, Saita M. G., Rescifina A. Synthesis of Methyleneisoxazolidine Nucleoside Analogues by Microwave-Assisted Nitrone Cycloaddition. *Eu. J. Org. Chem*., **2007**, *28*, 4758-4764.
3. Merino P., Tejero T., Mates J., Chiacchio U., Corsaro A., Romeo G. 3-(Aminomethyl)-2-(Carboxymethyl)Isoxazolydiyl Nucleosides: Building Blocks for Peptide Nucleic Acid Analogues. *Tetrahedron-Asymm*., **2007**, *18*, 1517-1520.
4. Piperno A., Chiacchio U., Iannazzo D., Giofre S. V., Romeo G., Romeo R. First Example Of Direct RuO4-Catalyzed Oxidation of Isoxazolidines to 3-Isoxazolidinones. *J. Org. Chem*., **2007**, 72, 3958-3960.
5. Merino P., Tejero T., Chiacchio U., Romeo G., Rescifina A. A DFT Study on the 1,3-Dipolar Cycloaddition Reactions of C-(Hetaryl) Nitrones with Methyl Acrylate and Vinyl Acetate. *Tetrahedron*, **2007**, *63*, 1448-1458.
6. Chiacchio U., Rescifina A., Iannazzo D., Piperno A., Romeo R., Borrello L., Sciortino M. T., Balestrieri M., Macchi B., Mastino A., Romeo G. Phosphonated Carbocyclic 2'-Oxa-3'-Azanucleosides as New Antiretroviral Agents. *J. Med. Chem*., **2007**, *50*, 3747-3750.
7. Chiacchio U., Corsaro A., Iannazzo D., Piperno A., Romeo G., Romeo R., Saita M. G., Rescifina A. Synthesis of Methyleneisoxazolidine Nucleoside Analogues by Microwave-Assisted Nitrone Cycloaddition. *Eu. J. Org. Chem*., **2007**, *28*, 4758-4764.
8. Chiacchio U., Iannazzo D., Piperno A., Romeo G., Romeo R., Rescifina A., Balestrieri E., Macchi B., Mastino A., Cortese R. 3-Amino-2(5*H*)Furanones as Inhibitors of Subgenomic Hepatitis C Virus RNA Replication. *Bioorg. Med. Chem*., **2008**, *16*, 9610-9615.
9. Ballistreri F. P, Chiacchio U., Rescifina A., Tomaselli G., Toscano, R. M. Conversion of Oximes to Carbonyl Compounds by Triscetylpyridinium Tetrakis(Oxodiperoxotungsto) Phosphate (PCWP)-Mediated Oxidation with Hydrogen Peroxide. *Molecules,* **2008**, *13*, 1230-1237.
10. Balestrieri E., Matteucci C., Ascolani A., Piperno A., Romeo R., Romeo G., Chiacchio U., Mastino A., Macchi B. Effect of Phosphonated Carbocyclic 2'-Oxa-3'-Aza-Nucleoside on Human T-Cell Leukemia Virus Type 1 Infection in Vitro. Antimicrobial Agents and Chemotherapy, **2008**, *52*, 54-64.
11. Chiacchio U., Padwa A., Romeo G. Cycloaddition Methodology: A Useful Entry Towards Heterocyclic Systems. *Seminars Org. Synth*., **2008**, 61-84.
12. Borrello L., Chiacchio U., Corsaro A., Pistarà V., Iannazzo D. Phosphoroamidate derivatives of N,O-Nucleosides as Inhibitors of Reverse Transcriptase. *ARKIVOC*, **2008**, *52*, 4054-4057.
13. Chiacchio U, Borrello L., Crispino L., Rescifina A., Merino P., Macchi B., Balestrieri E., Mastino A, Piperno A, Romeo G. Stereoselective Synthesis and Biological Evaluations of Novel 3'-Deoxy-4'-azaribonucleosides as Inhibitors of Hepatitis C Virus RNA Replication. *J. Med. Chem.*, **2009**. *13*, 4054-4057.
14. Chiacchio U., Padwa A., Romeo G. Cycloaddition methodology. A Useful Entry Towards Biologically Active Heterocycles. *Curr. Org. Chem*., **2009**,*13*, 422-447.
15. Rescifina A., Chiacchio U., Iannazzo D., Piperno A., Romeo G. -Cyclodextrin and Caffeine Complexes with Natural Polyphenols from Olive and Olive Oils: NMR, Thermodynamic, and Molecular Modeling Studies. *J. Agric. Food Chem*., **2010**, *58*, 11876-11882.
16. Piperno A., Giofrè S. V., Iannazzo D., Romeo R., Romeo G., Chiacchio U., Rescifina A., Piotrowska D. G. Synthesis of C-4' Truncated Phosphonated Carbocyclic 2'-Oxa-3'-Azanucleosides as Antiviral Agents. *J. Org. Chem*., **2010**, *75*, 2798-2805.
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19. Cordaro M., Grassi G., Rescifina A., Chiacchio U., Risitano F., Scala A. Stereodefined Ring Contraction-Rearrangement of Thiocoumarins to New Fused Benzo[*b*]thiophene Derivatives. *Tetrahedron*, **2011**, *67*, 608-611.
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42. Giofrè S. V., Romeo R., Mancuso R., Cicero N., Corriero N., Chiacchio U., Romeo G., Gabriele B. A New Microwave-Assisted Thionation-Heterocyclization Process Leading to Benzo[*c*]thiophene-1(3*H*)-thione and 1*H*-Isothiochromene-1-thione Derivatives. *RSC Advances*, **2016**, *6*, 20777-20780.
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44. Chiacchio U., Broggini G., Romeo R., Gazzola S., Chiacchio M. A., Giofrè S. V., Gabriele B., Mancuso R., Floresta G., Zagni C. Intramolecular Oxidative Palladium-Catalyzed Diamination Reactions of Alkenyl Sulfamates: an Efficient Synthesis of [1,2,5]Thiadiazolo-fused Piperazinones. RSC Advances, **2016**, *6*, 57521-57529.
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