

DARIA NICOLOSI

Biomedical and Biotechnological Sciences Dept.

University of Catania

Via Santa Sofia 97, 95123, Catania

Mail: dnicolosi@unict.it

Nationality: Italian

Date of birth: 08/01/1979

Mother tongue: Italian

Other languages: English

Education

- University of Catania, Faculty of Pharmacy, Research grant for the project: "Epidemiology, biochemical identification and molecular characterization of pathogenicity mechanisms in bacteria responsible for hospital and community acquired severe infections and their antibiotic sensitivity", 2006-2009
- University of Catania, School of Medicine, PhD in Microbiological Disciplines, XVIII cycle, 2002-2006
- University of Catania, Faculty of Pharmacy, Honors degree, 2002

Work experience

- 2019-2020: University of Catania, Microbiology teaching holder (A-L) in Master's Degree in Pharmacy
- 2013-2019: University of Catania, Microbiology teaching holder (M-Z) in Applied Pharmaceutical Sciences Degree Course
- 2010-present: University of Catania, permanent researcher

Publications

- G. Blandino, A.M. Lo bue, I. Milazzo, D. Nicolosi, G. Calì, V. Cannavò, B. Rossetti: Comparison of systemic flurithromycin therapy and clinical procedures in the treatment of periodontal diseases. *Journal of Chemotherapy* 2004 Vol. 16 n. 2: 151-155.
- G. Tempera, G. Abbadessa, G. Bonfiglio, E. Cammarata, A. Cianci, S. Corsello, A. Raimondi, G. Ettore, D. Nicolosi, P.M. Furneri: Topical kanamycin: an effective therapeutic option in aerobic vaginitis. *Journal of Chemotherapy* 2006 Vol. 18 n. 4: 409-414.
- G. Nicoletti, G. Schito, G. Fadda, S. Boros, D. Nicolosi, A. Marchese, T. Spanu, A. Pantosti, M. Monaco, G. Rezza, A. Cassone, E. Garaci for the CIGAR (Gruppo Cooperativo Infezioni Gravi ed Antibiotico Resistenza): Bacterial isolates from severe infections and their antibiotic susceptibility patterns in Italy: a nationwide study in the hospital setting. *Journal of Chemotherapy* 2006 Vol. 18 n. 6: 589-602.

- G. Nicoletti, D. Nicolosi, G.M. Rossolini, S. Stefani: Etiology, epidemiology and microbiological diagnosis of intra-abdominal infections. *Infez Med.* 2008, Vol. 16, Suppl. 1: 8-18.
- M.L. Mezzatesta, G. Trovato, F. Gona, V.M. Nicolosi, D. Nicolosi, A. Carattoli, G. Fadda, G. Nicoletti, S. Stefani: In vitro activity of tigecycline and comparators against carbapenem-susceptible and resistant *Acinetobacter baumannii* clinical isolates in Italy. *Annals of Clinical Microbiology and Antimicrobials* 2008, 7:4.
- A.M. Lo Bue, R. Di Marco, I. Milazzo, D. Nicolosi, G. Calì, B. Rossetti, G. Blandino: Microbiological and clinical periodontal effects of fixed orthodontic appliances in pediatric patients. *New Microbiologica* 2008, 31(2): 299-302.
- D. Nicolosi, V. M. Nicolosi, A. Cappellani, G. Nicoletti, G. Blandino: Antibiotic susceptibility profiles of uncommon bacterial species causing severe infections in Italy. *Journal of Chemotherapy* 2009, Vol. 21 n. 3: 253-260.
- G. Tempera, A. Mangiafico, C. Genovese, E. Giudice, S. Mastrojeni, D. Nicolosi, P.M. Furneri: In vitro evaluation of the synergistic activity of neomycin-polymyxin B association against pathogens responsible for otitis externa. *International Journal of Immunopathology and Pharmacology* 2009, 22(2): 299-302.
- M.L. Mezzatesta, F. Gona, G. Marchese, D. Nicolosi, M.A. Toscano, S. Stefani, G. Nicoletti: Cefditoren versus community-acquired respiratory pathogens: time-kill studies. *Journal of Chemotherapy* 2009, Vol. 21 n. 4: 378-382.
- G. Nicoletti, D. Nicolosi, G.M. Rossolini, S. Stefani: Intra-abdominal infections: etiology, epidemiology, microbiological diagnosis and antibiotic resistance. *Journal of Chemotherapy* 2009, Suppl. 1 (Appropriate Use of Antibiotics for Intra-abdominal Infections): 5-11.
- D. Nicolosi, M. Scalia, V. M. Nicolosi, R. Pignatello: Encapsulation in fusogenic liposomes broadens the spectrum of action of vancomycin against gram-negative bacteria. *International Journal of Antimicrobial Agents* (June) 2010, Vol. 35 n. 6: 553-558.
- G. Tempera, S. Corsello, C. Genovese, F. E. Caruso, D. Nicolosi: Inhibitory activity of cranberry extracts on the bacterial adhesions in the urine of women: an ex-vivo study. *International Journal of Immunopathology and Pharmacology* (April-June) 2010, Vol. 23 n. 2: 611-618.
- F. Campanile, S. Borbone, M. Perez, D. Bongiorno, V. Cafiso, T. Bertuccio, S. Purrello, D. Nicolosi, C. Scuderi, S. Stefani: Heteroresistance to glycopeptides in Italian methicillin-resistant *Staphylococcus aureus* (MRSA) isolates. *International Journal of Antimicrobial Agents* (November) 2010, Vol. 36 n. 5: 415-419.
- G. Blandino, G. Nicoletti, D. Nicolosi: Susceptibility of molecularly characterized hospital-associated methicillin-resistant *Staphylococcus aureus* isolates to dalbavancin. *Journal of Chemotherapy* 2011, Vol 23 n. 5: 306-307.
- G. C Leonardi, S. Candido, M. Cervello, D. Nicolosi, F. Raiti, S. Travali, D. A. Spandidos, M. Libra: The tumor microenvironment in hepatocellular carcinoma (Review). *International Journal of Oncology* 2012, vol. 40: 1733-1747.
- V. Rapisarda, A. Marconi¹, S. Candido, D. Nicolosi, M. Salmeri, P. Gangemi, L. Proietti, D. A. Spandidos, M. Bracci, C. Fenga, M. Libra: A tailored health surveillance program unveils a

- case of MALT lymphoma in an HCV-positive health-care worker. *Oncology Letters* 2013, vol. 5: 651-654.
- D. Nicolosi, G. Tempera, C. Genovese, P. M. Furneri: Anti-Adhesion Activity of A2-type Proanthocyanidins (a Cranberry Major Component) on Uropathogenic *E. coli* and *P. mirabilis* Strains. *Antibiotics* 2014, 3(2), 143-154.
 - D. Nicolosi, S. Cupri, C. Genovese, G. Tempera, R. Mattina, R. Pignatello: Nanotechnology approaches for antibacterial drug delivery: Preparation and microbiological evaluation of fusogenic liposomes carrying fusidic acid. *Int J Antimicrob Agents*. 2015 Jun;45(6):622-6.
 - C. Genovese, S. Corsello, D. Nicolosi, V. Aidala, E. Falcidia, G. Tempera: Alterations of the vaginal microbiota in the third trimester of pregnancy and pPROM. *Eur Rev Med Pharmacol Sci*. 2016; 20: 3336-3343.
 - C. Genovese, S. Davinelli, K. Mangano, G. Tempera, D. Nicolosi, S. Corsello, F. Vergalito, E. Tartaglia, G. Scapagnini, R. Di Marco: Effects of a new combination of plant extracts plus d-mannose for the management of uncomplicated recurrent urinary tract infections. *J Chemother*. 2017 Oct 27:1-8.
 - C. Genovese, L. Pulvirenti, N. Cardullo, V. Muccilli, G. Tempera, D. Nicolosi, C. Tringali: Bioinspired benzoxanthene lignans as a new class of antimycotic agents: synthesis and *Candida* spp. growth inhibition. *Nat Prod Res*. 2018 Nov 13:1-10.
 - C. Genovese, R. Acquaviva, S. Ronsisvalle, G. Tempera, G. Antonio Malfa, F. D'Angeli, S. Ragusa, D. Nicolosi: In vitro evaluation of biological activities of *Orobancha crenata* Forssk. leaves extract. *Nat Prod Res*. 2019 Jan 23:1-5.
 - R. Acquaviva, F. D'Angeli, G.A. Malfa, S. Ronsisvalle, A. Garozzo, A. Stivala, S. Ragusa, D. Nicolosi, M. Salmeri, C. Genovese. Antibacterial and anti-biofilm activities of walnut pellicle extract (*Juglans regia* L.) against coagulase-negative staphylococci. *Nat Prod Res*. 2019 Aug 9:1-6. doi: 10.1080/14786419.2019.1650352.

Other Publications

- Cooperation in the translation from English to Italian of the book "Medical Microbiology" di C. Mims et al. (Elsevier Mosby, 3rd ed., 2004) published under the title "Microbiologia clinica" (EMSI Edizioni Mediche Scientifiche Internazionali, Rome 2006).
- G. Nicoletti, D. Nicolosi, V. M. Nicolosi, S. Stefani: Antibiotic resistance in pathogens responsible for hospital infections in "Infezioni correlate all'assistenza in ospedale e sul territorio", edited E.G. Rondanelli, M.L. Moro, P. Grossi, P. Marone. *Selecta Medica*, Pavia 2009, vol. 1 pag 615-640.
- G. Nicoletti, D. Nicolosi: The role of microbiological laboratories in monitoring antibiotic resistance in "Giornata europea degli antibiotici: uso responsabile per il controllo dell'antibiotico-resistenza", edited A. Pantosti e M. Del Grosso. Istituto Superiore di Sanità (Rapporti ISTISAN 09/32), Rome 2009, pag 24-26.

- Pedullà E, Genovese C, Nicolosi D, Campagna E, Tempera G (2010). Bactericidal effect of Er:Yag laser with different endodontic irrigants: an in vitro study. *MINERVA STOMATOLOGICA*, vol. 59, p. 195.
- R. Pignatello, M. G. Sarpietro, V. M. Nicolosi, D. Nicolosi: Effect of composition on the in vitro activity of fusogenic liposomes loaded with vancomycin against gram-negative bacteria. *Inventi Impact: NDDS Vol. 2011, Issue 2: 92-94.*
- R. Pignatello, D. Nicolosi, V. M. Nicolosi: Fusogenic liposomes as new carriers to enlarge the spectrum of action of antibiotic drugs against Gram-negative bacteria. In "Science against microbial pathogens: communicating current research and technological advances" (A. Méndez-Vilas ed.). *Formatex Research Center, Spain, 2011, vol. 1 pag 52-60.*
- G. Blandino, D. Nicolosi, V. M. Nicolosi: Bacilli sporigeni aerobi e anaerobi (cap. 37) e Batteri anaerobi non sporigeni (cap. 38) in "Microbiologia farmaceutica" vol. 2 (a cura di N. Carlone), Edises, Napoli 2013 (ISBN 9788879597364).