

# Curriculum Vitae

## INFORMAZIONI PERSONALI

COGNOME RIELA  
NOME SERENA  
DATA DI NASCITA 27-01-1971  
CONTATTI 0957385025  
INDIRIZZI MAIL PEC SERENA.RIELA@PEC.IT (ARUBA PEC) EMAIL SERENA.RIELA@UNICT.IT;

## *Main Curriculum Highlights in Chronological Order:*

|             |                                                                                                                                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2025</b> | Invited lecture for the Association Internationale pour l'Étude des Argiles (AIPEA) School for Young Scientists (ASYS): "Halloysite Deposits, Properties and Applications" - Dublin (Ireland).                                                        |
| <b>2025</b> | Member of the Board of the Italian Association for Clays (AISA).                                                                                                                                                                                      |
| <b>2024</b> | Member of the Gioenia Academy of Catania.                                                                                                                                                                                                             |
| <b>2023</b> | Winner of the competition for Full Professor at the University of Catania – SC 03/C1 ORGANIC CHEMISTRY – SSD CHIM/06.                                                                                                                                 |
| <b>2023</b> | Member of the Board of the Interdivisional Group of Biotechnology of the Italian Chemical Society.                                                                                                                                                    |
| <b>2022</b> | Award of the SCI – Division of Organic Chemistry for research carried out in Organic Chemistry for Life Sciences (2022).                                                                                                                              |
| <b>2022</b> | <i>Editor in Chief – for the journal Antibiotics (MDPI), Section: "Antimicrobial Materials and Surfaces".</i>                                                                                                                                         |
| <b>2022</b> | Visiting Professor at Universidad de Granada (Spain).                                                                                                                                                                                                 |
| <b>2022</b> | Invited lecture for the AIPEA School for Young Scientists (ASYS): "Kaolin in Medical, Pharmaceutical, and Cosmetic Applications" – Istanbul (Turkey).                                                                                                 |
| <b>2020</b> | Invited lecture for the "Virtual Stoddart Former Group Member Seminar Series". A platform that connects the members of the Stoddart Research Family worldwide (Prof. Sir J. Fraser Stoddart, Nobel Prize in Chemistry 2016, Northwestern University). |
| <b>2018</b> | National Scientific Qualification – Full Professor – SC 03/C1 ORGANIC CHEMISTRY – SSD CHIM/06.                                                                                                                                                        |
| <b>2018</b> | Winner of the competition for Associate Professor at the University of Palermo – SC 03/C1 ORGANIC CHEMISTRY – SSD CHIM/06.                                                                                                                            |
| <b>2018</b> | Visiting Professor at University of Miami (USA).                                                                                                                                                                                                      |
| <b>2017</b> | National Scientific Qualification – Associate Professor – SC 03/C1 ORGANIC CHEMISTRY – SSD CHIM/06.                                                                                                                                                   |
| <b>2010</b> | Member of the Board of the Italian Chemical Society, Sicily Section.                                                                                                                                                                                  |
| <b>2002</b> | Winner of the competition for Permanent Researcher at the University of Palermo – SC 03/C1 ORGANIC CHEMISTRY – SSD CHIM/06.                                                                                                                           |

|                             |                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2000</b>                 | Ph.D. in Pharmaceutical Sciences at the University of Bologna.                                                                                                                                                                                                                                                                                    |
| <b>1999</b>                 | <i>Visiting Ph.D. Student</i> gruppo Prof. sir J. Fraser Stoddart, presso <i>University California of Los Angeles, UCLA (USA)</i>                                                                                                                                                                                                                 |
| <b>1997</b>                 | Qualification to practice the profession of Chemist.                                                                                                                                                                                                                                                                                              |
| <b>1996</b>                 | Degree in Chemistry, University of Palermo.                                                                                                                                                                                                                                                                                                       |
| <b>Main Research Topics</b> | Modification of clay minerals and molecules or macromolecules. Since 2012, Prof. Riela has developed her main research line on the modification of clay minerals, molecules or macromolecules and their applications in heterogeneous catalysis, environmental remediation, reinforcement of polymer matrices, and particularly in life sciences. |

#### **Academic qualifications:**

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Awards and Recognitions</b>   | <i>Award of the Italian Chemical Society – Division of Organic Chemistry for research carried out in Organic Chemistry for Life Sciences (2022).</i><br><a href="https://www.soc.chim.it/it/divisioni/organica/medaglie_premi/medaglie_premi_2022">https://www.soc.chim.it/it/divisioni/organica/medaglie_premi/medaglie_premi_2022</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ph.D.</b>                     | Ph.D. in Pharmaceutical Sciences:<br>Degree awarded on 31/12/2000, at the University of Bologna. Project title: “Synthesis of Functionalized Cyclodextrins with Potential Role in Drug Targeting and Study of Complexing Capacities”. Supervisor: Prof. Domenico Spinelli. Final exam passed in March 2001.<br>.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Degree</b>                    | <b><u>Degree in Chemistry:</u></b><br>Degree awarded on 18/12/1996, at the University of Palermo, Organic Chemistry track. Thesis title: “Study of the stereoselective synthesis of fragment C1–C8 of Panamicin”. Supervisors: Profs. Renato Noto, Michelangelo Gruttadauria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>International Experiences</b> | <b><u>Visiting Professor:</u></b> <ul style="list-style-type: none"> <li>✓ Jan 13–17, 2022 – Universidad de Granada (Spain). Series of lectures for students and PhD candidates (3 CFU, 24 hours). Title: “Nanomaterials Based on Clay Minerals: Structure, Functionalization and Applications”. Invited by Prof. César Viseras-Iborra.</li> <li>✓ Jul 6–Aug 8, 2018 – University of Miami, Florida (USA). Series of lectures for PhD students and faculty (10 hours). Title: “Smart Nanomaterials based on Halloysite Nanotubes”. Invited by Prof. Francisco Raymo.</li> </ul> <b><u>Visiting Student:</u></b> <ul style="list-style-type: none"> <li>✓ Oct 1, 1999 – Oct 1, 2000 – Visiting PhD Student at University of California, Los Angeles (UCLA, USA). Research project: “Synthesis of Modified Cyclodextrins for Lectins Recognition”. Supervisor: Prof. Sir Fraser Stoddart (Nobel Prize in Chemistry 2016).</li> <li>✓ Sep 20, 1994 – Apr 28, 1995 – Erasmus Student at Université de Bordeaux 1 (France). Research project: “Evaluation of the Contribution of Lignin Stilbene Phenol Units in the Photoyellowing of Peroxide-Bleached Lignin-Rich Pulps”. Supervisor: Prof. Alen Castellan.<br/>This period led to the following publication:</li> </ul> |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | <p>B. Ruffin, A. Castellan,* S. Grelier, A. Nourmamode, <u>S. Riela</u>, V. Trichet J. <i>Appl. Polym. Sci.</i> <b>1998</b>, 69, 2517-2531.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Fellowships and Research Contracts</b>                | <ul style="list-style-type: none"> <li>✓ 22/12/2020 – Winner of a fellowship under the Cori 2020 Action D call (University of Palermo). Grant to develop international collaborations with Universidad de Granada (Spain). Cycle of lectures (24 hours, 3 CFU).).</li> <li>✓ 14/11/2016 – Winner of a fellowship under the Cori 2016 Action D call (University of Palermo). Grant to develop international collaborations with University of Miami (USA). Cycle of lectures (10 hours).</li> <li>✓ 01/01/2000 – 15/05/2002 – Research grant holder at the University of Palermo (co-funded by MIUR). Project: “Stereoselective Synthesis of Oxygenated Heterocyclic Rings”.</li> <li>✓ 1994/1995 – Winner of an Erasmus Fellowship, University of Palermo, spent at Université de Bordeaux 1 (France, 8 months).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Conferences, Scientific and Organizing Committees</b> | <p><b><u>Participation in Scientific Committees:</u></b></p> <ul style="list-style-type: none"> <li>✓ <b>2025</b> Member of the Scientific Committee, VI International Summer School on Cyclodextrin (ISSCD2025) – Genoa.</li> <li>✓ <b>2025</b> Member of the Scientific Committee “ <i>I Interdivisional Workshop, Biotechnology and Magnetic Resonance: Connecting Academia and Industry</i>”-Catania.</li> <li>✓ <b>2024</b> Member of the Scientific Committee, Nucleo-omics 2024 – Naples.</li> <li>✓ <b>2024</b> Member of the Scientific Committee, Workshop “Chemists for Biotechnology” – Reggio Emilia.</li> <li>✓ <b>2023</b> Member of the Scientific Committee, 1st International Conference on the Study of Medicinal Plants from Matese and Valle Telesina (ICMATE2023) – Telesse.</li> <li>✓ <b>2023</b> Member of the Scientific Committee, V Workshop “Chemists for Biotechnology” – Naples.</li> <li>✓ <b>2022</b> Member of the Scientific Committee, 20th International Cyclodextrin Symposium (ICS2020) – Giardini Naxos.</li> </ul> <p><b><u>Participation in Organizing Committees:</u></b></p> <ul style="list-style-type: none"> <li>✓ <b>2025</b> <i>Convener</i> of the session “The Role of Clays in Human Health and Biomedical Sciences”, International Clay Conference (ICC2025) – Dublin (Ireland).</li> <li>✓ <b>2023</b> <i>Convener</i> of the session “ <i>Health &amp; Environment</i>” <i>International Conference of European Clay Groups Association</i>” (EUROCLAY2023).-Bari (Italy).</li> <li>✓ <b>2022</b> Member of the Organizing Committee, National Conference of the Division of Organic Chemistry (CDCO2022).</li> <li>✓ <b>2019</b> Member of the Organizing Committee, EastWest Chemistry Conference – Palermo.</li> <li>✓ <b>2006</b> Member of the Organizing Committee, Third National Meeting on Microwaves in Engineering and Applied Science (MISA 2006). ISBN 88-</li> </ul> |

8286-194-5.

**Chairing Activities:**

- ✓ Chair - "International Clay Conference" (**ICC2025**). Dublin (Ireland).
- ✓ Chair - "4<sup>th</sup> International Electronic Conference on Antibiotics- Challenges and strategies for the Antibiotics Resistance Crisis"(**ECA2025**).
- ✓ Chair - "Convegno della Società Chimica Italiana" (**SCI2024**.) Milan (Italy).
- ✓ Chair - "International Conference of European Clay Groups Association" (**EUROCLAY2023**). Bari (Italy).
- ✓ Chair - "20<sup>th</sup> International Cyclodextrin Symposium" (**ICS2020**). Giardini-Naxos (Italy).
- ✓ Chair - "A Golden Age of Chemistry", Stoddart Family Conference. Nottingham (England).

**Plenary Lectures:**

- ✓ **2022** Hammamet (Tunisia), International Conferences, Clay Application & Valorization-Minerals &Material Sciences (**CAV2022-MM2022**).
- ✓ **2021** Catania (Italy), *Italian Chemical Society Congress, Sicily Section: "Clay Minerals: Synthetic Aspects, Characterizations and Applications"*.

**Invited Oral Communications:**

- ✓ **2025** Padua (Italy), INAIL BRIC-Protezione Project: "Clays for health".
- ✓ **2025** Naples (Italy), CIMPIS day (CIMPIS2025): "Halloysite: Unlocking the Potential of a Natural Nanomaterial".
- ✓ **2023** Telese (Italy), "1<sup>ST</sup> International Conference on the study of medicinal plants from Matese and Valle Telesina (**ICMATE2023**: "Halloysite natural nanomaterial for the development of smart carrier system".
- ✓ **2022** Palermo (Italy), XXXX Italian Organic Chemical Division (**CDCO2022**): "Clay Minerals as Smart Materials for Life Science".
- ✓ **2022** Parma (Italy), IV Workshop Chemists in Biotechnology: "Clay Minerals for an Interdisciplinary Research Frontier".
- ✓ **2019** Milano Marittima-Cervia (Italy), 10<sup>th</sup> Eurasian Meeting in Heterocyclic Chemistry: "Smart Organic/Inorganic Nanocomposites based on Clay Minerals and Heterocycles for Several Applications".
- ✓ **2017** Nottingham (England), A Golden Age of Chemistry: "Halloysite Clay Mineral: a Challenging Nanomaterial for Several Applications".
- ✓ **2017** Granada (España), 16<sup>th</sup> International Clay Conference: "Covalently Modified Halloysite Clay Nanotubes: Smart Nanomaterials for Drug Delivery Applications".
- ✓ **2016** San Sebastian-Donostia (España), 11<sup>th</sup> Spanish-Italian Symposium on Organic Chemistry: "Recent Researches on Halloysite Nanotubes as Smart Nanomaterials for Several Applications".
- ✓ **2015** Castellaneta Marina (Italy), International Conference of Applied Mineralogy and Advanced Materials: "Chemical Modifications of Halloysite Nanotubes for the Development of Smart Nanomaterials"

**Oral Communicaions:**

- ✓ **2022** Istanbul (Turkey), XVII International Clay Conference: "Exploring the Modification of Halloysite Nanotubes to Develop Multifunctional

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Systems for Therapeutic Applications".</p> <ul style="list-style-type: none"> <li>✓ <b>2021</b> XXVII Italian Chemical Society: "Improvement of Properties of Halloysite and Some Others Friends by Chemical Modifications".</li> <li>✓ <b>2019</b> Turin (Italy), XXXIX Italian Organic Chemical Division : "Clay Mineral: a Challenge for Chemists".</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Other Lectures</b> | <p><b><u>Invited Lectures in Companies:</u></b></p> <ul style="list-style-type: none"> <li>✓ <b>2023</b> Benevento (Italy), Erbagil s.r.l., Clay Mineral natural, biocompatible and low-cost carrier systems".</li> <li>✓ <b>2022</b> Milano (Italy), SAES Getters Spa, Multifunctional Additives Workshop: "Clay Minerals for an Interdisciplinary Research Frontier".</li> <li>✓ <b>2017</b> Basel (Switzerland), Novartis: "Halloysite Clay Mineral for Long Acting Controlled Release of Drugs"</li> </ul> <p><b><u>Invited Lectures in Universities and International Schools:</u></b></p> <ul style="list-style-type: none"> <li>✓ <b>2025</b> Postgraduate program in Development and Technological Innovation in Medicines (PPgDITM-UFRN), "Clay-based materials: Emerging tools for health science innovations". Nadal (Brasil).</li> <li>✓ <b>2025</b> AIPEA Workshop: kaolin, kaolin and kaolin-everywhere "Halloysite deposits, Properties and Applications". Dublin (Ireland)</li> <li>✓ <b>2025</b> University of Naples "Federico II", PhD in Biotechnology : "Clay minerals as emerging materials for application in health science". Naples.</li> <li>✓ <b>2024</b> University of Catania, Department of Chemical Sciences: "Clay Minerals as Smart Materials for Several Applications", Catania (Italy).</li> <li>✓ <b>2024</b> University of Seville, Department of Pharmacy: "Clay Minerals for Interdisciplinary Research Frontiers", Seville (Spain).</li> <li>✓ <b>2023</b> University of Naples, Department of Biotechnology: "Clay Minerals as Emerging Materials for Application in Health Science and Environment", Naples (Italy).</li> <li>✓ <b>2022</b> Istanbul (Turkey), AIPEA School for Young Scientists (ASYS): "Kaolin in Medical, Pharmaceutical, and Cosmetic Applications".</li> <li>✓ <b>2020</b> Virtual Stoddart Former Group Member Seminar Series, platform connecting the Stoddart Research Family worldwide: "Halloysite Nanotubes: Synthetic Aspects, Characterizations and Applications", Northwestern University, Chicago (USA).</li> <li>✓ <b>2021</b> University of Naples, Department of Pharmacy (Department of Excellence): "Halloysite as a Valuable Resource for the Development of Drug Carrier and Delivery Systems", Naples (Italy).</li> <li>✓ <b>2021</b> University of Naples, Department of Chemistry: "Clay Minerals: Synthetic Aspects, Characterizations and Applications", Naples (Italy).</li> <li>✓ <b>2019</b> University of Milan, Department of Chemistry: "The Magic World of Clay Minerals. Synthetic Aspects, Characterizations and Applications", Milan (Italy).</li> <li>✓ <b>2019</b> University of Bologna, Department of Chemistry (Department of Excellence): "Clay Minerals: the Wonder Materials of the 21st Century. Synthetic Aspects, Characterizations, and Applications", Bologna (Italy).</li> <li>✓ <b>2018</b> University of Bari, Department of Chemistry: "Covalently Modified Halloysite Nanotubes: Synthesis, Properties and Applications", Bari</li> </ul> |

(Italy).

- ✓ **2014** University of Bologna, Department of Chemistry: “Halloysite Nanotubes: a Low-Cost Green Versatile Material”, Bologna (Italy).

**Altre conferenze ad invito:**

- ✓ **2022** I.T.I.S. “E. Torricelli”, Sant’Agata di Militello (Messina, Italy): “Dexterity Games with Clay Minerals”. Contact Person: Prof. Carmelo Colombo.
- ✓ **2021** Online lecture within the framework of the National Plan for Scientific Degrees (PNLS): “Dexterity Games with Clay Minerals”. PNLS-CHEMISTRY Site Coordinator: Prof. Delia Chillura-Martino.
- ✓ **2018** Advanced Organic Chemistry Course, University of Bari: “Clay Mineral-Based Nanomaterials: Structural Features, Modifications, and Applications”. Contact Person: Prof. Angelo Nacci.

Prof. Riela is also co-author of numerous poster communications presented at national and international conferences.

|                                                                                                                                   |                                                                                                                                                                 |                                                                                                                             |                                |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <p><i>Direction or Participation in the Activities of a Research Group Involving National or International Collaborations</i></p> | <p><b><u>Scientific Responsibility and Participation in Research Projects and Collaborations at the Local, Regional, National, and European Levels:</u></b></p> |                                                                                                                             |                                |
|                                                                                                                                   | <b><i>Funding Agency</i></b>                                                                                                                                    | <b><i>Project Title</i></b>                                                                                                 | <b><i>Role</i></b>             |
|                                                                                                                                   | Interreg NEXT MED                                                                                                                                               | Nano biopesticide for suitable Eco-friendly Agriculture ( <b>EONanoBioPs</b> ).                                             | Scientific Coordinator (UNICT) |
|                                                                                                                                   | <b>HORIZON-JU-Chips-2024-2-RIA-T2</b>                                                                                                                           | Generate in Europe a sustainable industry for semiconductor ( <b>GENESIS</b> ).                                             | Team Member (UNICT)            |
|                                                                                                                                   | Piano d'incentivi per la Ricerca d'Ateneo 2024/2026 (PIACERI)                                                                                                   | Development of nanopesticides based on clay minerals for agricultural applications ( <b>NanoBioIn</b> ).                    | Team Member (UNICT)            |
|                                                                                                                                   | PNRR                                                                                                                                                            | <b>SAMHOTRACE</b><br>ENVIRONMENT Capture of pollutants through biomass                                                      | Team Member (UNICT)            |
|                                                                                                                                   | MUR-PRIN-PNRR 2022                                                                                                                                              | Small Molecule Anticancer Ligands Library from mediterranean plants ( <b>SMALL</b> )                                        | Scientific Coordinator (UNICT) |
|                                                                                                                                   | <b>Eurostart, UNIPA (2022)</b>                                                                                                                                  | Nanoclay-based medical devices for the treatment of chronic skin lesions- <b>ClaySkin</b> .                                 | Scientific Coordinator (UNIPA) |
|                                                                                                                                   | PNRR                                                                                                                                                            | <b>SAMHOTRACE</b><br>1. HEALTH Development of Multidisciplinary Solutions Applying the Principles of Modern Telemedicine    | Team Member (UNIPA)            |
|                                                                                                                                   | <b>MUR-FIRS (2021)</b>                                                                                                                                          | Sanitizing Device for Environments, Virucidal and Bactericidal, Autonomous and Programmable - <b>Sanytech</b>               | Scientific Coordinator (UNIPA) |
|                                                                                                                                   | <b>Programma Quadro-Horizon2020 (2021)</b>                                                                                                                      | Sharing Researchers' Passion for Engaging Responsiveness - The European Researchers' Night in Italy in 2021- <b>SHARPER</b> | Team Member (UNIPA)            |
|                                                                                                                                   | <b>Programma Quadro-Horizon2020 (2020)</b>                                                                                                                      | Sharing Researchers' Passion for Evolving Responsibilities- <b>SHARPER</b>                                                  | Team Member (UNIPA)            |

|  |                                                                             |                                                                                                                                                                 |                        |
|--|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|  | <b>PON2014-20_MIUR - PON Ricerca e Innovazione 2014-2020 MIUR (2019)</b>    | <i>Technology and materials for safe low consumption and low life cycle cost vessels and crafts-<b>THALASSA</b></i>                                             | Team Member<br>(UNIPA) |
|  | <b>MUR-PRIN (2019)</b>                                                      | <i>Mussel-inspired functional biopolymers for underwater adhesion, surface/interface derivatization and nanostructure/composite self-assembly-<b>MUSSEL</b></i> | Team Member<br>(UNIPA) |
|  | <b>Programma Quadro-Horizon2020 (2018)</b>                                  | <i>Sharing Researchers' Passion for Evidences and Resilience per la Notte Europea dei Ricercatori 2018-2019-<b>SHARPER</b></i>                                  | Team Member<br>(UNIPA) |
|  | <b>POFESR2014-20_Sicilia - Regione Siciliana - PO FESR 2014-2020 (2017)</b> | <i>Innovative Solutions for Naval Vessels with High Energy Savings -<b>SI-Mare</b></i>                                                                          | Team Member<br>(UNIPA) |
|  | <b>Programma Quadro-Horizon2020 (2016)</b>                                  | European Researchers' Night- <b>SHARPER</b>                                                                                                                     | Team Member<br>(UNIPA) |
|  | <b>Fondo Europeo di Sviluppo Regionale-PON03PE_00214_1 (2015)</b>           | <i>Nanotechnologies and Nanomaterials for Cultural Heritage -<b>TECLA</b></i>                                                                                   | Team Member<br>(UNIPA) |
|  | <b>MIUR-PRIN (2013)</b>                                                     | <i>Sustainability in Cultural Heritage: From Diagnostics to the Development of Innovative Systems for Consolidation, Cleaning, and Protection</i>               | Team Member<br>(UNIPA) |
|  | <b>MIUR-FIRB (2010)</b>                                                     | <i>Multifunctional Hybrid Materials for the Development of Eco-Sustainable Catalytic Processes</i>                                                              | Team Member            |

|                                             |                                                                                                                                  |                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|                                             |                                                                                                                                  | (UNIPA)                        |
| <b>MIUR-PRIN (2008)</b>                     | <i>Ionic Liquids and Organocatalysis for Regio- and Stereoselective Synthesis</i>                                                | Team Member (UNIPA)            |
| <b>ATE-EX60% (2007)</b>                     | <i>The Use of Unconventional Systems and Methodologies in Organic Chemistry</i>                                                  | Team Member (UNIPA)            |
| <b>MIUR- PRIN (2006)</b>                    | <i>The Use of Ionic Liquids and Cyclodextrins in Regio- and Stereoselective Synthesis</i>                                        | Team Member (UNIPA)            |
| <b>ATE-EX60% (2006)</b>                     | <i>Cyclodextrins and Ionic Liquids in Organic Synthesis.</i>                                                                     | Team Member (UNIPA)            |
| <b>Progetto INTERREG IIIB Medocc (2005)</b> | <b>AQUATEX</b>                                                                                                                   | Team Member (UNIPA)            |
| <b>ATE-EX60% (2005)</b>                     | <i>Unconventional Materials in Organic Synthesis.</i>                                                                            | Team Member (UNIPA)            |
| <b>MIUR-PRIN (2004)</b>                     | <i>The Use of Unconventional Media in Stereoselective Synthesis.</i>                                                             | Team Member (UNIPA)            |
| <b>ATE-EX60% (2004)</b>                     | <i>New Processes and Materials in Organic Synthes</i>                                                                            | Team Member (UNIPA)            |
| <b>Progetto Giovani Ricercatori (2003)</b>  | <i>Stereoselective Synthesis of Azido Alcohols</i>                                                                               | Scientific Coordinator (UNIPA) |
| <b>MIUR-PRIN (2002)</b>                     | <i>Seleniranium Ions and Cyclodextrins in Stereocontrolled Syntheses</i>                                                         | Team Member (UNIPA)            |
| <b>Progetto Giovani Ricercatori (2002)</b>  | <i>Stereoselective Synthesis of <math>\alpha</math>-Phenylseleno-<math>\beta</math>-Hydroxy-Azides and Their Transformations</i> | Scientific Coordinator (UNIPA) |

**Other Projects:**

✓ Prof. S. Riela contributed to the drafting of the project within the PON-AIM 2014–2020 call (Activity 1 – Health), for which the STEBICEF Department was positively evaluated by MIUR (2 out of the 3 topics presented). Dr. M. Massaro, winner of the competition as RTDA for this

call, within Activity 1, published 10 papers in high-impact journals during the three years on research topics carried out in Prof. Riela's group.

- ✓ Prof. S. Riela was Scientific Referent within notice no. 6/2022 "Strengthening the Sicilian University Research System through fixed-term recruitment action" (from July 30, 2022 to September 30, 2023).
- ✓ Following the submission of a research project within the Young Investigator Training Program 2019 ACRI (YITP 2019), Prof. Riela was supervisor of a PhD Student for a period of 3 months (May–July 2022).
- ✓ La Prof.ssa Riela è stata *Tutor* nell'ambito del progetto "T@T Torricelli" – **Percorsi di alternanza scuola-lavoro** - Sotto azione 10.6.6A – FSEPON-SI-2019-41 del modulo: "Chi cerca trova" (120 ore di laboratorio, Settembre 2021)

#### **National and International Collaborations:**

Over the last 10 years, Prof. Riela has collaborated with researchers from other national and international universities and research institutions, as listed below, together with the publications resulting from these collaborations. The numbers indicated follow the order of the publication list reported in the section "List of Publications".

#### **Referee for International Grant Proposals**

**2022** Referee per il Grant Proposal "Natural halloysite Nanotubes-based composites for biomedical and catalytic applications" sottomesso all' Agencia Nacional de Investigacion y Desarrollo, Chile.

- ✓ **2022** Referee per il Grant Proposal "Porous polysiloxane-halloysite nanocomposites as adsorbent for selected pharmaceuticals" sottomesso al National Science Center, Poland.
- ✓ **2017** Referee per il Grant Proposal "Synthesis and properties of organic-inorganic hybrid biomaterials based on halloysite and water-soluble polymers" sottomesso al National Science Center, Poland.

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Direzione o Partecipazione a Comitati Editoriali di Riconosciuto Prestigio</b></p>                             | <p>1) <b>Editor in Chief</b> – <i>Antibiotics</i> (IF 5.22, MDPI) section: “Antimicrobial Materials and Surfaces”.</p> <p>2) <b>Editor</b>- Bioorganic Chemistry (Elsevier)</p> <p>3)<b>Guest Editor</b> - <i>Appl Clay Sci</i> (Elsevier); Special Issue in Clays for Earth, Health, &amp; Environment</p> <p>4) <b>Guest Editor</b> - <i>Antibiotics</i> (MPDI);Special Issue in <b><i>Antibiotics: Featured Reviews in Antimicrobial Materials</i></b></p> <p>5) <b>Guest Editor</b> - <i>Antibiotics</i> (MPDI);Special Issue in <b><i>Antibiotics: Anti-microbial Coating Innovations to Prevent Infectious Diseases</i></b></p> <p>6) <b>Guest Editor</b>- <i>Journal of Molecular Science</i> (MDPI); Special Issue: NF-kB and Disease.</p> <p>7) <b>Guest Editor</b> - <i>Molecules</i> (MDPI); Special Issue: Recent Research Advance in the Halloysite Nanotubes Field.</p> <p>8) <b>Guest Editor</b> - <i>Journal of Functional Biomaterials</i> (MPDI); Special Issue: Clay-based biomaterials: from synthesis to applications.</p> <p>9) <b>Guest Editor</b> - <i>Antibiotics</i> (MPDI); Special Issue: Featured reviewers in antimicrobial materials.</p> <p>10) <b>Guest Editor</b> - <i>Antibiotics</i> (MPDI); Special Issue: Nanomaterials in Oral Health: Novel Antimicrobial Treatments in Dentistry.</p> <p>✓ <b>Referee:</b> <i>Molecules, RSC Adv., Supramol. Chem., Expert Opinion on Drug Delivery, Appl. Organom. Chem., J. Mater. Chem. B, Appl. Sci., J. Phys. Chem., Ind. Eng. Chem. Res.; J. Coll. Int. Sci; ACS Nano; ACS Nano Mater., Pharmaceutics, Appl. Clay Min., Appl. Clay Sci.</i></p> |
| <p><b>Partecipazione al Collegio dei Docenti, Incarichi di Insegnamento, nell'Ambito di Dottorati di Ricerca</b></p> | <p><b><u>Member of the Following Doctoral Boards</u></b></p> <p>✓ Chemical Sciences – Academic Year 2025–2026 – Cycle 41 (UNICT)</p> <p>✓ Molecular and Biomolecular Sciences – Academic Year 2024–2025 – Cycle 40 (UNICT)</p> <p>✓ Molecular and Biomolecular Sciences – Academic Year 2022–2023 – Cycle 38 (UNIPA)</p> <p>✓ Molecular and Biomolecular Sciences – Academic Year 2021–2022 – Cycle 37 (UNIPA)</p> <p>✓ Technologies and Sciences for Human Health – Academic Year 2020–2021 – Cycle 36 (UNIPA)</p> <p>✓ Technologies and Sciences for Human Health – Academic Year 2019–2020 – Cycle 35 (UNIPA)</p> <p>✓ Molecular and Biomolecular Sciences – Academic Year 2017–2018 – Cycle 33 (UNIPA)</p> <p>✓ History of Medieval, Modern and Contemporary Art in Sicily – Academic Year 2009–2010 – Cycle 24 (UNIPA)</p> <p>✓ History of Medieval, Modern and Contemporary Art in Sicily – Academic Year 2008–2009 – Cycle 23 (UNIPA)</p> <p>✓ History of Medieval, Modern and Contemporary Art in Sicily – Academic Year 2007–2008 – Cycle 22 (UNIPA)</p> <p><b><u>Teaching Assignments for PhD Students:</u></b></p> <p>✓ Lecturer of the course “Advanced Nanocarriers and Materials for Diagnostics, Drug Delivery, and Targeted Therapy” (1 CFU) within the</p>                                                                                                                                                                                                                                                                                                                                                    |

|                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | <p>PhD Program in Biotechnology (A.Y. 2022–2023), University of Naples “Federico II”.</p> <p>✓ Lecturer of the course “Protecting Groups in Organic Synthesis” (1 CFU) within the PhD Program in Chemical Sciences (A.Y. 2005–2006, 2006–2007, and 2007–2008), University of Palermo.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p><b><i>Institutional, Organizational, and Service Activities for the University</i></b></p> | <ul style="list-style-type: none"> <li>• Chair of the Quality Assurance Committee, Department of Chemical Sciences. Period: 2025 – present (UNICT)</li> <li>• Delegate for Placement Activities of the Bachelor’s and Master’s Degree Programs in Chemistry. Period: 2019–2023 (UNIPA).</li> <li>• Delegate for Orientation and Tutoring Activities of the Bachelor’s and Master’s</li> <li>• Chair of the State Examination Board for the Profession of Chemist. Period: 2020–2021 (UNIPA).</li> </ul>                                                                                                                                                                                                                                                                                                                                                  |
| <p><b><i>Referee for Doctoral Theses</i></b></p>                                              | <p><i>National</i></p> <p>✓ Thesis entitled: “Halloysite Clay Nanotubes for Biomedical and Industrial Applications: Optimization of Their Physico-Chemical Properties” – PhD Katarzyna Fidecka – PhD Program in Chemistry, Cycle XXXII, University of Milan.</p> <p>✓ Thesis entitled: “Catalytic Reaction in Green Solvents Towards a Sustainable Society” – PhD Daniela Caputo – PhD Program in Chemical Sciences, University of Bari “Aldo Moro”.</p> <p><i>International</i></p> <p>✓ Thesis entitled: “Halloysite Nanotubes as Nano-Support System to Immobilize Guest Molecules for Biological Applications” – PhD Gaurav Pandey – University of Gandhinagar, India.</p> <p>✓ Thesis entitled: “Tailoring Polymer-Clay Composites for Simultaneous Pollutant Adsorption from Wastewater” – PhD Ithamar Shatbai – Hebrew University, Jerusalem.</p> |

**Attività  
Didattica**

- ✓ Since 2024, Prof. Riela has held official teaching positions at the University of Catania in courses related to the Bachelor's Degree Programs in Chemistry, Food Science and Technology, Science and Technology for the Catering and Distribution of Mediterranean Foods, and Biological Sciences.

| Anno Accademico | Corso di Laurea                                                                                  | Insegnamento                                             |
|-----------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 2024-2025       | Chimica (Triennale)                                                                              | Chimica Organica I (5 +1 CFU +, 50 ore)                  |
| 2024-2025       | Scienze Biologiche (triennale)                                                                   | Chimica Organica (8+1 CFU, 68 ore)                       |
| 2024-2025       | Scienze e tecnologie per la ristorazione e distribuzione degli alimenti mediterranei (Triennale) | Chimica Organica con esercitazione (4+ 2 CFU, 56 ore)    |
| 2023-2024       | Chimica (Triennale)                                                                              | Chimica Organica I (5 CFU, 35 ore)                       |
| 2023-2024       | Scienze e Tecnologie Alimentari (Triennale)                                                      | Chimica Organica (5 CFU, 37 ore)                         |
| 2023-2024       | Scienze e tecnologie per la ristorazione e distribuzione degli alimenti mediterranei (Triennale) | Chimica Organica con esercitazione (4+ 2 CFU, 28+28 ore) |

**Other Teaching Assignments Conferred by the University of Catania:**

A.Y. 2023–2024, 2024–2025 – Lecturer of the course “Teaching of Structure–Reactivity Relationships in Carbon Compounds” (1 CFU, 6 hours) within the Advanced Training Courses for Teachers, Class A050 Natural, Chemical and Biological Sciences..

- ✓ Prof. Riela was Lecturer at the University of Palermo for a total of 42 official courses corresponding to 209 CFU, in the CHIM/06 disciplinary sector, over an uninterrupted period from 2002 to 2022. The teaching activities were related to the Degree Programs in Chemistry (Single-Cycle, Bachelor's, Specialist, and Master's), Natural and Environmental Sciences (Bachelor's), Conservation and Valorization of Biodiversity (Bachelor's, Castelbuono campus), Biological Sciences (Bachelor's, Castelbuono campus), and Plant Biology and Ecology (Master's).

|                                                                                                                                                               | Anno Accademico            | Corso di Laurea                                                                    | Insegnamento                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------|
|                                                                                                                                                               | dal 2017-2018 al 2022-2023 | Chimica (Triennale)                                                                | Chimica Organica Fisica (6 CFU, 48 ore)                    |
|                                                                                                                                                               | dal 2021-2022 al 2022-2023 | Scienze della Natura e dell'Ambiente (Triennale)                                   | Chimica Organica con Esercitazione (5+ 1 CFU, 52 ore)      |
|                                                                                                                                                               | 2020-2021                  | Scienze della Natura e dell'Ambiente (Triennale)                                   | Chimica Organica con Laboratorio (5+ 1 CFU, 56 ore)        |
|                                                                                                                                                               | Dal 2012-2013 al 2019-2020 | Scienze della Natura e dell'Ambiente (Triennale)                                   | Chimica Organica (6 CFU, 48)                               |
|                                                                                                                                                               | Dal 2009-2010 al 2012-2013 | Biologia ed Ecologia Vegetale (Magistrale)                                         | Chimica Organica Applicata (6 CFU, 48 ore)                 |
|                                                                                                                                                               | 2008-2009                  | Scienze Biologiche (Triennale, sede di Castelbuono)                                | Chimica Organica (6 CFU, 48 ore)                           |
|                                                                                                                                                               | Dal 2005-2006 al 2007-2008 | Conservazione e Valorizzazione della Biodiversità (Triennale, sede di Castelbuono) | Chimica Organica e delle Sostanze Naturali (4 CFU, 32 ore) |
|                                                                                                                                                               | Dal 2004-2005 al 2007-2008 | Conservazione e Valorizzazione della Biodiversità (Triennale, sede di Castelbuono) | Laboratorio di Fitochimica (2 CFU, 32 ore)                 |
|                                                                                                                                                               | Dal 2006-2007 al 2010-2011 | Chimica (Specialistica)                                                            | Sintesi Speciali Organiche (6 CFU, 96 ore)                 |
|                                                                                                                                                               | Dal 2006-2007 al 2007-2008 | Chimica (Triennale)                                                                | Laboratorio di Chimica Organica (6 CFU, 96 ore)            |
|                                                                                                                                                               | Dal 2002-2003 al 2004-2005 | Chimica (ciclo unico)                                                              | Laboratorio di Chimica Organica 1 (3 CFU, 48 ore)          |
| <p><b><u>Other Teaching Assignments Conferred by the University of Palermo:</u></b></p> <p>✓ A.Y. 2006/2007 – Lecturer of the course “Elements of Organic</p> |                            |                                                                                    |                                                            |

Chemistry" (20 hours) for SISSIS students, Class 59/A.

- ✓ A.Y. 2012/2013 – Lecturer of the course "Supramolecular Approach in the Study of Systems Involving Immunological Mechanisms" (100 hours) within the PON01\_00829/F4 Training Project entitled: "Training of Young Researchers in the Field of Regenerative Medicine".

**PhD, Master's, and Degree Thesis Supervision:**

**- University of Catania:**

- ✓ Supervisor of 1 Bachelor's Thesis in Chemistry.
- ✓ Supervisor of 1 Master's Thesis in Chemistry.

**- University of Palermo:**

- ✓ Relatrice di n Supervisor of 4 PhD Theses in Molecular and Biomolecular Sciences (Cycle XXXIII, G. Biddeci: *Clay-Based Hybrid Materials with Potential Biological Activity*. This PhD Thesis produced 4 Scientific Publications in High-Impact Journals; Cycle XXXVII, R. Ciani, ongoing; Cycle XXXVIII, F. Leone and G. Cinà, ongoing).
- ✓ Co-supervisor of 1 PhD Thesis in Molecular and Biomolecular Sciences (Cycle XXIX, C.G. Colletti: *Synthesis, Characterization, and Study of New Nanostructured Materials*. This PhD Thesis produced 11 Scientific Publications in High-Impact Journals). Supervisor: Prof. R. Noto.
- ✓ Co-supervisor of 1 PhD Thesis in Molecular and Biomolecular Sciences (Cycle XXIX, C.G. Colletti: *Synthesis, Characterization, and Study of New Nanostructured Materials*. This PhD Thesis produced 11 Scientific Publications in High-Impact Journals). Supervisor: Prof. R. Noto.
- ✓ Co-supervisor of 1 PhD Thesis in Chemical Sciences, University of Palermo (Cycle XXV, M. Massaro: *Interactions between Nanotubes and Organic Molecules*. This PhD Thesis produced 7 Scientific Publications in High-Impact Journals). Supervisor: Prof. R. Noto.
- ✓ Supervisor of 11 Bachelor's Theses in Chemistry.
- ✓ Supervisor of 7 Master's Theses in Chemistry.
- ✓ Supervisor of 6 Theses in Chemistry and Pharmaceutical Technology.
- ✓ Supervisor of 5 Bachelor's Theses in Conservation and Valorization of Biodiversity (Castelbuono campus).
- ✓ Supervisor of 1 Master's Thesis in Natural Sciences.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>✓ Supervisor of 4 Final Reports for the Bachelor's Degree in Chemistry.</li> <li>✓ Supervisor of 2 Final Reports for the Bachelor's Degree in Natural and Environmental Sciences.</li> <li>✓ Academic Tutor of the project: <i>Design, Synthesis, Characterization, and Evaluation of the Antioxidant Activity and Antimicrobial Properties of Biofilms Reinforced with Halloysite Nanotubes and Natural Molecules for Use in Food Packaging</i>, within Project Measure 3: Integration of PhD Students and PhD Graduates announced by <i>Sicilia Futuro</i> – Intermediate Body of the global grant of PO FSE SICILIA 2007–2013 (M. Massaro). This project produced 1 Scientific Publication in a High-Impact Journal.</li> </ul> <p><b>- Other Italian Universities:</b></p> <ul style="list-style-type: none"> <li>✓ Co-supervisor of 1 Master's Thesis in Medical Biotechnology, Department of Molecular Medicine and Medical Biotechnology, University of Naples (S. Giordano). Supervisor: Prof. G. Oliviero.</li> <li>✓ Co-supervisor of 1 Master's Thesis in Pharmaceutical Biotechnology, Department of Pharmacy, University of Naples (M.L. Fava). Supervisor: Prof. N. Borbone.</li> <li>✓ Co-supervisor of 2 Theses, Bachelor's (G. Montuori) and Master's (D. Donati, ongoing), in Chemical Sciences, Department of Chemistry, University of Milan. Supervisor: Prof. E. Licandro.</li> <li>✓ Co-supervisor of 2 Master's Theses in Chemistry, Department of Chemical and Pharmaceutical Sciences, University of Trieste (F. Leone and G. Cinà, ongoing). Supervisor: Prof. M. Prato.</li> <li>✓ Supervisor of the Master's Thesis entitled: <i>Clinical Development of Secukinumab/Cosentyx for the Treatment of Psoriasis, Ankylosing Spondylitis and Psoriatic Arthritis</i>, within the 2nd Level Master in Clinical and Preclinical Drug Development (A.Y. 2016–2017), Catholic University of the Sacred Heart, Rome (V. Schembri).</li> <li>✓ Supervisor of the Master's Thesis entitled: <i>Synthesis and Characterization of a New Thermo-Responsive HNT-PNIPAAm for Insulin Transport and Release</i>, within the 2nd Level Master in Drug Design and Development, University of Pavia (G. D'Azzo).</li> </ul> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Pubblicazioni:

|                   |                                                                                                                                                   |                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Key<br>Parameters | <b>Bibliometric Parameters</b>                                                                                                                    | <b><u>1998-2025</u></b> |
|                   | <i>HI</i>                                                                                                                                         | 42                      |
|                   | n° publications                                                                                                                                   | 135                     |
|                   | Citations                                                                                                                                         | 5300                    |
|                   | <br><u><i>Prof. Riela is also co-author of:</i></u>                                                                                               |                         |
|                   | <b><u>Book Chapters:</u></b>                                                                                                                      |                         |
|                   | ✓ M. Massaro, R. Noto and <u>S. Riela</u> “Strategies for Derivatization and Functionalization of Halloysite Nanotubes and their Challenges”. Ed. |                         |

Deepak Rawatani, Nitasha Khatri, Chaudhery Munstansar Hussain" Elsevier **2025**, Chapter 4, 43-62. ( Part of the Smart Halloysite Nanotubes ISBN: 978-0-443-15912-1).

- ✓ M. Massaro, C. Viseras-Iborra and S. Riela "Surface Modification of Clay with Organics" Ed. Meththika Vithanage, Giuseppe Lazzara Anushka Upamali Rajapaksha, Springer, **2023**, 177-202. (Part of the Advances in Material Research and Technology book series (AMRT)).
- ✓ M. Massaro, G. Cavallaro, G. Lazzara, S. Riela\* "Covalently modified clay nanoclays: synthesis, properties and applications" in "Clay nanoparticles: Properties and Applications" Ed. G. Cavallaro, R. Fakhrullin, P. Pasbakhsh, Elsevier, **2020**, Capitolo 13, 305-333.
- ✓ G. Lazzara, M. Massaro, S. Riela "Current Status of Nanoclays Phytotoxicity" in "Phytotoxicity of Nanoparticles" Ed. M. Faisal, Dr. Q. Saquib, A. A. Alatar, Prof. A. A. Al-Khedhairi, Springer, **2018**, Chapter 6, 151-174, ISBN 978-3-319-76708-6.
- ✓ G. Cavallaro, G. Lazzara, F. Parisi, S. Riela, S. Milioto "Nanoclay for conservation" - Nanotechnologies and Nanomaterials for Diagnostic, Conservation and Restoration of Cultural Heritage, Ed. G. Lazzara and R. Fakhrullin; Elsevier, **2018** Chapter 8, 149-170, ISBN: 978-0-12-813910-3.
- ✓
- ✓ G. Lazzara, M. Massaro, S. Milioto, S. Riela "Halloysite based nanocomposites" in "Handbook of Composites from Renewable Materials, Volume 7, Nanocomposites: Science and Fundamentals" Ed. V. K. Thakur; Wiley, **2017**, Chapter 18, 557-584, ISBN: 978-1-119-22381-8.
- ✓ F. D'Anna, P. Lo Meo, R. Noto, S. Riela "Cyclodextrins: Heterocyclic molecules able to perform chiral recognition (Part II)" *Target in Heterocyclic Systems* **2006**, 91-113. ISSN: 1724-9449
- ✓ F. D'Anna, P. Lo Meo, R. Noto, S. Riela "Cyclodextrins: Heterocyclic molecules able to perform chiral recognition (Part I)" *Target in Heterocyclic Systems* **2005**, 1-38. ISSN: 1724-944.

## 2) **Patent:**

Riela, S.; Lazzara, G.; Massaro, M.; Parisi, F.; Maniaci, G.; Di Blasi, F.; Spinelli, G.; Biddeci, G.; Baldizi, A. "Metodo per la preparazione di nanocompositi antibatterici" depositato N. 102019000008148.

3)For the scientific publications see:

<https://www.scopus.com/authid/detail.uri?authorId=6603156095>