

## Curriculum Vitae Sabrina Carola Carroccio

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### PERSONAL INFORMATION

Family name, First name: Sabrina Carola Carroccio

Date of birth: September 20<sup>th</sup>, 1971

Current position: Researcher at the Institute for Microelectronics & Microsystems, National Research Council



### EDUCATION & PROFESSIONAL EXPERIENCES

- November 1997 **Master Degree in Industrial Chemistry** at the University of Catania, *Summa cum Laude* for her research on the “Synthesis and characterization of block and random copolymers”. Tutor: Professor G. Montaudo, Department of Chemistry - University of Catania (Italy).
- February 2001 **CNR Researcher** at the Institute of Chemistry and Technology of Polymers – Section of Catania.
- February 2002 **Ph.D. in Chemistry** at the University of Catania, for her research on the “Structural analysis of polymeric materials by mass spectrometry”. Tutor Professor G. Montaudo, Department of Chemistry - University of Catania (Italy).
- May 2012 **Contract professor** at “Parco Scientifico e Tecnologico della Sicilia” for the course “*Biopolymers and biosurfactants: processes, products and quality*” National project financed by MIUR PON0101377/F PON 2007-2013.
- April-May 2013 **Contract professor** at the University of Catania for the course “*metodologies for the synthesis of bio-sustainable materials*”. National project financed by MIUR “MATRECO –Advanced Materials for sustainable transports” PON 01 02239 PON 2007-2013.
- October 2014 **Contract professor** at the University of Catania for the course “*sperimental methodology for the structural characterization of drug delivery systems*” Hippocrates PON\_02\_00355\_2964193.

Sabrina Carola Carroccio has published 37 papers, 2 reviews and 5 book chapters.

The overall quality of the Sabrina Carola Carroccio scientific output can be inferred from the following points:

- **92%** of publications in the first quartile (**Q1**) of the corresponding Polymer and Plastics and Analytical Chemistry categories (**SCImago Journal & Country Rank**);
- **Average Impact Factor** of the journals **3.12** (>2.27 average IF of the journals of Polymer Science in 2014);
- **Average Impact Factor** of the journals in Chemistry Analytical **2.25** (>2.20 average IF of the journals in Chemistry Analytical Category 2014);
- **5 invited speaker** to National Schools and Workshops on Polymer Characterization.
- **1 Cover Page** (Journals: Macromol Mater Eng (Q1 in Materials Science))

To date, Sabrina Carola Carroccio has received **771 citations**, which yield an **H-index of 18** (source: Scholar google, accessed on October 20<sup>th</sup>, 2016).

#### ADDITIONAL INFORMATION

- **Co-mentor of 10 bachelor/master thesis** in “Industrial Chemistry” at University of Catania
- **Supervisor of 2 post-doc students** and a CNR researcher contract (public selection CNR-IPCB 005 2014);
- **Principal investigator** of research activities of agreements between CNR-ICTP:  
*Wyeth Lederle S.p.A* “determination of silicon oil by-products on drug samples” ICTP-Prot. 8/2003  
*Essilor International S.A.*, “Molecular characterization of polycarbonates samples”  
*General Electric* “Molecular characterization of ULTEM® samples”  
*Solvay S.A* “Molecular characterization of fluorinated samples”
- **Scientific responsible** of research agreements between CNR-IPCB-*CHEMESSENTIA* s.r.l about “*characterization by NMR and MALDI TOF MS of polyallylamine samples*” (6 months).
- **Scientific responsible** of research agreements between CNR- **Pirelli Lab** about “*MALDI TOF MS of synthetic polymers having acid and ester terminal groups*” (3 months);
- Regular service as **Peer-Reviewer** for many International scientific journals, including *Macromolecules, Macromolecular Chemistry and Physics, Polymer Degradation & Stability, Polymer Bulletin.*

#### INVOLVEMENT IN OTHER RESEARCH PROJECTS

- **Scientific responsible** of research unit of Triennial Starting Grant by the Italian Ministry of University and Research (MIUR) **GREENER** “*Towards multifunctional, efficient, safe and stable “green” bio-plastics based nanocomposites of technological interest via the immobilization of functionalized nanoparticles and stabilizing molecules*” FIRB 2010 cod: RBFR10DCS7.
- **Scientific responsible** of research unit of Italian project **BIO4BIO** titled “*Biomolecular and Energetic valorisation of residual biomasses in agroindustrial and fisher field*” PON02\_00451-3362376 PON 2007-2013;
- **Partecipant** at the research and teaching activities in the Italian project financed by MIUR “DIATEME, High-tech devices for biomedical sector” PON01 00074-PON 2007-2013;
- **Partecipant** at the research activities in the Italian project **RESPO** “*Structure-property relationship of semi-crystalline polymers*” Extraordinary ministerial funds for institutes and/or research institutions (*prot. n. 1105/2002*).
- **Partecipant** at the VAHVISTUS European project MSCA-RISE **H2020**.
- **Partecipant** at the research activities in the regional project PO FESR 4.1.1.2 titled “*Realization of fruit based jelly*”.