

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name DESTRI , SILVIA MARIA
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Nationality Italian
Date of birth 18, JANUARY, 1953

WORK EXPERIENCE

Since 2010 Istituto per lo Studio delle Macromolecole (ISMAC) of CNR in Milan (Italy).
Director of Research Coordination of a research group in Italian projects
Design, synthesis and characterisation of polymers for solar cells processed in aqueous solvents
and sensors. Preparation and characterization of polymer nanoparticles with conjugated rod-coil
copolymers. Development of polymeric opals for structural colours

31/05/1997-01/12/2009 Istituto per lo Studio delle Macromolecole (ISMAC) of CNR in Milan (Italy).
Senior Researcher; Coordination of a research group in Italian and European projects
Design, synthesis and characterisation of organic molecules and complexes, oligomers and
polymers responsive in optoelectronic and photonic applications, specifically polythiophenes
and related oligomers for OFET and solar cells, polyfluorenes and related copolymers for OLED,
and polyazomethines and polyazines for NLO properties.
Deposition of molecules and polymers in films of variable thickness by using different techniques
in solution and in vacuum. Surface functionalization.

01/09/1982-31/05/1997 Istituto per lo Studio delle Macromolecole (ISMAC) of CNR in Milan (Italy). Permanent
Researcher
Synthesis and characterization of conducting oligomeric and polymeric materials

01/09/1980-31/08/1982 1987 Visiting researcher at Max –Planck für Polymerforschung of Mainz (D)

01/09/1980-31/08/1982 Istituto per lo Studio delle Macromolecole (ISMAC) of CNR in Milan (Italy).
Fixed Term Researcher in Prof L.Porri group
Stereospecific polymerization of olefin and diene with Ziegler Natta catalysts

01/07/1977- 31/01/1979 Laboratorio Analisi Tecniche ed Ambientali G. Pacini, street : A. Sforza 79, Milano.
Environmental analysis
Person responsible of laboratory
Environmental sampling and analytical determination by Gas Chromatography ,UV-Vis
Spectroscopy

01/1977-06/1977 Post-doctoral fellow F. Hoffmann-La Roche &CO in Basel (CH)
Enzyme purification and fabrication of sensors for monitoring glucose in the blood

EDUCATION AND TRAINING

• 1979-1980
1971-1976
22/11/1979

School of Specialization in Polymer Science "G. Natta" of Politecnico of Milan (60/60) *Degree in Chemistry at University of Parma (cum laude)*
Qualifying Examination in Chemistry(100/100)
Diploma di maturità Classica . 1970/71 at liceo G. Romani. Casalmaggiore (Cr)

PERSONAL SKILLS AND COMPETENCES

Organic and complex synthesis, polymerization of olefin and conjugated monomers in solution and emulsion, block copolymers preparation Characterization techniques: NMR, UV-Vis, FTIR, and luminescence spectroscopy, Gas e Gas- Mass Chromatography, DSC, HPLC. SAM preparation and surface functionalization. Preparation and characterization of organic and hybrid blend with SiO_x, TiO₂, semiconductor nanoparticles. Deposition of film by Lnguimuir Blodgett technique, spin coating, casting technique, microcontact- printing, vacuum and ultra-vacuum system

MOTHER TONGUE

Italian

OTHER LANGUAGES

• Reading skills
• Writing skills
• Verbal skills

[ENGLISH	FRENCH
good,	good
Good	basic
Good	good

ORGANISATIONAL SKILLS AND COMPETENCES

Local Coordination of Italian and European projects
Member of Steering Committee of Italian Association of Macromolecular Science I(AIM)
Member of the organizing committee of International Conference (EUPOC 2008, CIMTEC 2010) Workshop (Vacuum Deposition 1994) and National Conferences su Materiali per Elettronica e Fotonica, XIX AIM Italian Meeting , and Schools: I (2001), II (2005 e III(2009) sui Materiali Molecolari Avanzati per Fotonica e Elettronica, Scuola sui Materiali INSTM-CNR a Bressanone (2009)

TECHNICAL SKILLS AND COMPETENCES

Windows room, MS Office, Origin, Kaleida Graph, Chem- Draw

DRIVING LICENCE(S)

B

ADDITIONAL INFORMATION

[Include here any other information that may be relevant, for example contact persons, references, etc.]

Quanto riportato nel presente curriculum corrisponde a verità, ai sensi del D.P.R.445/2000

ANNEXES [List any attached annexes.]

Zappia S., Di Mauro A.E., Mastria R., Rizzo A., Curri M.L., Striccoli M., Destri S.

Eur. Polym. J. 78 (2016) 352–363

“Rod-coil block copolymer as nanostructuring compatibilizer for efficient CdSe NCs/PCPDTBT hybrid solar cells”

Emilitri E., Zulian L., Botta C., Scavia G., Destri S.

Dyes and Pigments 121 (2015) 342-350

“Effect of some industrial dyes on the self-assembly of polymeric opals based on core-shell nanoparticles”.

Zappia S., Mendichi R., Battiato S., Scavia G., Mastria R., Samperi F., Destri S.

Polymer 80 (2015) 245e258

“Characterization of amphiphilic block-copolymers constituted of a low band gap rigid segment (PCPDTBT) and P4VP based coil block synthesized by two different strategies”

Martinelli C., Giovanella U., Cardone A., Destri S., Farinola G.M.

Polymer 55 (2014) 5125-5131

“A white emitting poly(phenylenevinylene)”

Cardone A., Martinelli C., Losurdo M., Dilonardo E., Bruno G., Scavia G., Destri S., Cosma P., Salamandra L., Reale A., Di Carlo A., Aguirre A., Milián-Medina B., Gierschner J., Farinola G.M.

J. Mater. Chem. A, (2013), 1, 715-727

“Fluoro-functionalization of vinylene units in a polyarylenevinylene for polymer solar cells”

Samperi F., Salvatore Battiato S., Puglisi C., Giovanella U., Mendichi R., Destri S.

Macromolecules, (2012) 45 , 1811–1824

“Combined Techniques for the Characterization of Polyfluorene Copolymers and Correlation with their Optical Properties.”

Zulian L., Elisa Emilitri E., Scavia G, Botta C., Colombo M, Destri S.

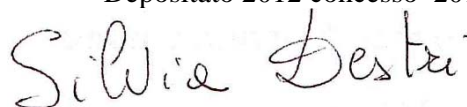
ACS Appl. Mater. Interfaces (2012), 4, 71-79

“Structural Iridescent Tuned Colors from Self-Assembled Polymer Opal Surfaces”

BREVETTO: Elisa Emilitri, Silvia Destri, Chiara Botta, Guido Scavia, Laura Zulian

COLORI IRIDESCENT I n° 0001412471

Depositato 2012 concesso 2014



Signature

Silvia Destri