


## PERSONAL INFORMATION

## Simone Lazzaroni, PhD

 Via dei mille, n°28, 27024, Cilavegna (PV), Italy

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 [simuzlaz@gmail.com](mailto:simuzlaz@gmail.com)

Sex Male | Date of birth 24/01/1978 | Nationality Italian

## WORK EXPERIENCE

February 2017 - present

**Project Collaborator**

Consorzio Interuniversitario Nazionale per la Scienza e Tecnologia dei Materiali (INSTM) at University of Pavia

- Development of photo-curable resins

Business or sector Chemical

February 2015 - January 2017

**Research Fellow**

Istituto Nazionale Ricerca Metrologica (INRIM) at University of Pavia

Research focused on the development and application of new materials for dosimetry of ionizing radiation

Business or sector Chemical

October 2014 - January 2015

**Laboratory Technician**

Henkel Italy S.p.A., plant in Cerano (NO)

Quality Control

Business or sector Chemical

October 2012 - June 2014

**Laboratory Technician**

IMA s.r.l., Mortara (PV)

- R&D, synthesis of polyurethanes

Business or sector Chemical

May 2011 - March 2012

**Production Manager**

Docchem s.r.l., Dorno (PV)

Management of production lines and the integrated system for the ISO 9001 and 14001 under the internal auditor supervision.

Business or sector Chemical

May 2010 - April 2011

**Laboratory Technician**

Masterbatch s.r.l., Casei Gerola (PV)

Quality Control

Business or sector Chemical

January 2010 - May 2010

**Intern - REACH Regulation**

Magneti Marelli S.p.A., plant in Corbetta (MI)

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Business or sector Automotive technology

EDUCATION AND TRAINING

- 28/02/2017 **Post-graduate Master in Safety and Environmental Management**  
I.CO.TE.A C.A.T. S.r.l., (Ispica, Ragusa – Italy)
  
- 01/08/2016 **Certificate Form B5 - RSPP**  
Microdesign (Rionero In Vulture, Potenza – Italy)
  
- 15/07/2016 **Certificate Form C - RSPP**  
Le Vele Foundation (Pavia - Italy)
  
- 10/06/2016 **Training of Trainers Workplace Safety Certificate**  
Microdesign (Rionero In Vulture, Potenza – Italy)
  
- 26/05/2016 **Certificate Form B9 - RSPP**  
AIAS Academy srl (Milan – Italy)
  
- 12/01/2015 **Certificate Form A - RSPP**  
Le Vele Foundation (Pavia - Italy)
  
- 23/06/2011 **Examination for Qualified chemist profession**  
University of Pavia (Pavia - Italy)
  
- 16/02/2010 **PhD in Chemical Sciences**  
University of Pavia (Pavia - Italy)
  
- 30/03/2006 **Master of Science in Chemistry**  
University of Pavia (Pavia - Italy)
  
- July 1997 **School-leaving Certificate in Chemical**  
“G. Cardano” State Industrial Technical Institute (Pavia – Italy)

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Listening	Reading
English	B1	B1	B1	B1	B1
Spanish	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills ▪ good communication skills gained during my tutor experience

Organisational / managerial skills ▪ leadership (due to the experience of competence responsible for the production and co-ordinator / co-rapporteur for graduating students / student interns)

Job-related skills ▪ good command of quality control processes and R&D .

Digital competence

SELF-ASSESSMENT				
Information processing	Information processing	Information processing	Information processing	Information processing
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

▪ good command of the suite of office tools (word processor, spreadsheet, presentation software)

Other skills ▪ Familiarity with chemical analytical techniques: chromatographic separation techniques, spectroscopic techniques (infrared and UV), thermogravimetric techniques (TGA). Mastery of the practical techniques of using spectrometers, nuclear magnetic resonance (NMR) and electron paramagnetic resonance (EPR).

Driving licence B (owning a car)

#### ADDITIONAL INFORMATION

##### Publications

- 1) S. Lazzaroni, D. Dondi, M. Fagnoni, A. Albini; "Photochemical Arylation Reactions by 4-Chlorothioanisole", *Eur. J. Org. Chem.* **2007**, 26, 4360-4365.
- 2) S. Lazzaroni, D. Dondi, M. Fagnoni, A. Albini; "Geometry and Energy of Substituted Phenyl Cations", *J. Org. Chem.*, **2008**, 73, 206-211.
- 3) S. Ferrari, E. Quartarone, P. Mustarelli, A. Magistris, S. Protti, S. Lazzaroni, M. Fagnoni, A. Albini; "A binary ionic liquid system composed of *N*-methoxyethyl-*N*-methylpyrrolidinium bis(trifluoromethanesulfonyl)-imide and lithium bis(trifluoromethanesulfonyl)imide: A new promising electrolyte for lithium batteries", *J. Power Sources*, **2009**, 194, 45-50.
- 4) S. Lazzaroni, S. Protti, M. Fagnoni, A. Albini; "Photoinduced Three-Component Reaction: A Convenient Access to 3-Arylacetals or 3-Arylketals", *Org. Lett.*, **2009**, 11 (2), 349-352.
- 5) A. Barras, A. Mezzetti, A. Richard, S. Lazzaroni, S. Roux, P. Melnyk, D. Betbeder, N. Monfilliette-Dupont; "Formulation and characterization of polyphenol-loaded lipid nanocapsules", *International Journal of Pharmaceutics*, **2009**, 379, 270-277.
- 6) S. Lazzaroni; "New insights in the chemistry of photogenerated phenyl cations", *Scientifica Acta*, **2009**, 3, 3-7.
- 7) S. Lazzaroni, D. Dondi, M. Fagnoni, A. Albini; "Selectivity in the Reaction of Triplet Phenyl Cations", *J. Org. Chem.*, **2010**, 75, 315-323.

- 8) Simone Lazzaroni, Stefano Protti, Maurizio Fagnoni and Angelo Albini: "Participation of a heterolytic path in the photochemistry of chlorobenzene", *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, *210*, 140-144.
- 9) R.L. Lavall, S. Ferrari, C. Tomasi, M. Marzantowicz, E. Quartarone, A. Magistris, P. Mustarelli, S. Lazzaroni, M. Fagnoni: "Novel polymer electrolytes based on thermoplastic polyurethane and ionic liquid/LITFSI/PC salt system", *J. Power Sources*, **2010**, *195*, 5761–5767.
- 10) A. Zeffiro, S. Lazzaroni, D. Merli, A. Profumo, A. Buttafava, N. Serpone, D. Dondi: "Formation of Hexamethylenetetramine (HMT) from HCHO and NH<sub>3</sub>—Relevance to Prebiotic Chemistry and B3LYP Consideration", *Orig Life Evol Biosph*, **2016**, *46*, 223–231.
- 11) S. Lazzaroni, D. Ravelli, S. Protti, M. Fagnoni, A. Albini: "Photochemical synthesis: Using light to build C-C bonds under mild conditions", *Comptes Rendus Chimie*, **2016**, *in press*.
- 12) G.M. Liosi, D. Dondi, D. A. Vander Griend, S. Lazzaroni, G. D'Agostino, M. Mariani. "Fricke-gel dosimeter: overview of Xylenol Orange chemical behavior". *Radiation Physics and chemistry*, **2017**, *in press*
- 13) S. Lazzaroni, G.M. Liosi, R. Marconi, G. D'Agostino, M. Mariani, A. Buttafava, D. Dondi. "The role of hydrogels in the radical production of Fricke gels irradiated at low temperature". *Radiation Physics and chemistry*, **2017**, submitted after revision.

## Conferences

- 1) Convegno Nazionale di Fotochimica (Gruppo Italiano Fotochimica e Gruppo Interdivisionale di Fotochimica della Società Chimica Italiana), Salice Terme (PV), December 2006.
- 2) XI Giornata di Chimica Organica, Dip. Chimica Organica, University of Pavia, May 18, 2017;
- 3) VII Simposio SAYCS (Sigma-Aldrich e SCI), Riccione (RN), 22-24 October 2007. Simone Lazzaroni, Daniele Dondi, Maurizio Fagnoni, Angelo Albini, "Fotoreattività del 4-clorotioanisolo: generazione di un nuovo catione arilico" (Poster and oral short communication). Simone Lazzaroni, Daniele Dondi, Maurizio Fagnoni, Angelo Albini, "Geometria ed energia di fenilcations: un'analisi DFT" (Poster);
- 4) XII Giornata di Chimica Organica, Organic Chemistry Department, University of Pavia, April 2008;
- 5) XVII Congresso Nazionale della Divisione di Chimica Industriale, Genoa, 30 June-4 July 2008. Angelo Albini, Maurizio Fagnoni, Stefano Protti, Valentina Dichiarante, Simone Lazzaroni, "Phenyl cations as key intermediates in ecofriendly arylation processes". Poster presentato dal Professor Angelo Albini (Poster);
- 6) Convegno Nazionale di Fotochimica (Gruppo Italiano Fotochimica e Gruppo Interdivisionale di Fotochimica della Società Chimica Italiana), Bertinoro (FC), 5-7 June 2008. Simone Lazzaroni, Stefano Protti, Maurizio Fagnoni, Angelo Albini, "Reazione a tre componenti fotoindotta: sintesi di  $\beta$ -arilacetali" (Comunicazione orale: come oratore);
- 7) Convegno COFEM (Giornate di Chimica Organica Fisica e Meccanicistica), Sestri Levante (GE), 24-26 September 2008. Simone Lazzaroni, Daniele Dondi, Maurizio Fagnoni, Angelo Albini, "Struttura e reattività dei cationi arilici: calcoli DFT" (Poster);
- 8) VIII Simposio SAYCS (Sigma-Aldrich and SCI), Pesaro (PU), 20-22 October 2008. Simone Lazzaroni, Stefano Protti, Stefania Ferrari, Maurizio Fagnoni, Eliana Quartarone, Angelo Albini, Aldo Magistris, Piercarlo Mustarelli. "Preparazione e caratterizzazione di PYR<sub>1201</sub> e sua applicazione in membrane per batterie al litio". (Poster: first prize for category "chemistry and energy")
- 9) VI AICIng National Workshop, Rome, 22-23 June 2015. Alberto Zeffiro, Daniele Dondi, Roberto Paolo Marconi, Marco Malagodi, Carolina Girometta, Antonio Bentivoglio, Simone Lazzaroni, Elena Savino, Erick Nielsen, Armando Buttafava. "Sugar Production for bioethanol from alfalfa stems. Results and comparative study with application of lignocellulolytic activities of novel fungal species". (Oral

- communication).
- 10) FisMat 2015, the Italian National Conference on Condensed Matter Physics, Palermo, 28 September – 2 October 2015. G. M. Liosi, G. Gambarini, S. Benedini, D. Dondi, S. Lazzaroni, A. Zeffiro, R. Marconi, F. Giacobbo, M. Mariani, M. Carrara, E. Pignoli. "*Comparison of characteristics of Fricke Xylenol Orange gel dosimeters made with various gel matrices*". (Poster).
  - 11) 2<sup>nd</sup> International Conference On Dosimetry And Its Applications (ICDA), University of Surrey, Guildford, United Kingdom, 3-8 July 2016. G.M. Liosi, D. Dondi, D. A. Vander Griend, S. Lazzaroni, G. D'Agostino, M. Mariani. "*Fricke-gel dosimeter: overview of Xylenol Orange chemical behavior*". (Oral communication).
  - 12) Joint Congress of the French and Italian Photochemists and Photobiologists, Bari (Italy), 19-22 September, 2016. S. Lazzaroni, D. S. Branciforti, M. Castiglioni, C. Milanese, D. Dondi. "*Vegetable oils-derived resins for stereolithography*". (Oral communication).
  - 13) 12<sup>th</sup> meeting of the "Ionizing Radiations and Polymers"(IRAP), Peninsula of Giens, France, 25-30 September, 2016. S. Lazzaroni, G.M.Liosi, R. Marconi, G.D'Agostino, M. Mariani, A. Buttafava, D. Dondi. "*The role of hydrogels in the radical production of Fricke gels irradiated at low temperature*". (Poster).

**Memberships**

Member of the Order of Chemists of Pavia since 2015

**Personal details**

I authorize the use of my personal details pursuant to Legislative Decree 30 June 2003 n. 196 "Code concerning the protection of personal details".