

CURRICULUM VITAE-PAOLA NICOLELLA

PERSONAL INFORMATION

Name	NICOLELLA PAOLA
Address	Duesbergweg 10–14, D-55128 Mainz – Germany
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E-mail	p.nicolella@uni-mainz.de
Nationality	Italian
Date and place of birth	Rome, 15 th August 1990
Driving license	Type “B”

EDUCATION AND TRAINING

07/09/2018-today Johannes Gutenberg- University Mainz (DE)	PhD Chemistry (Physical Chemistry) “Structure and diffusion in Double Dynamic Networks at the nano- to micro- scale” in the project: Marie Skłodowska Curie ITN Action - DoDyNet: “Double dynamics for design of new responsive polymer networks and gels” Characterization of polymer solutions and gels by light scattering and probe diffusion techniques. Synthesis of supramolecular and thermoresponsive polymer networks.
01/02/2016-29/08/2018 01/09/2016-29/08/2018 University of Twente Enschede (NL)	Master of science Chemical Engineering (Molecules & Materials Engineering) Master of science Nanotechnology Master Thesis: “Adsorption of macromolecules on designer substrates by atomic force microscopy based single molecule force spectroscopy: the role of the surrounding medium”. Project in collaboration with: Shell, Dutch Polymer Institute, SNF-group Relevant courses and laboratory experience: organic/inorganic material science, elastomer science and technology, fabrication and characterization of nanostructures, nano-lab.
2009-2015 Università degli Studi di Napoli Federico II Naples (IT)	Bachelor of science Chemical Engineering Bachelor Thesis: “Analytical techniques applied to Cultural Heritage: the case of an ancient parchment” Relevant courses: organic/inorganic chemistry, science and technology of materials, chemical plants, chemical reaction engineering, principle of chemical engineering, fundamentals of industrial chemistry.
09/2012-01/2013 Fondazione Plart Naples (IT)	Interdisciplinary Course of Higher Education “Plastic in art and for art. Polymers as basic and restoration material for Cultural Heritage” Relevant content: principles of science and technology of polymers and plastic materials, degradation phenomena in relation to the material.
2004-2009 Naples (IT)	Scientific High School Istituto Pontano (07-09) / Liceo Scientifico Leon Battista Alberti (04-07)

WORK EXPERIENCE

24/04/2017-31/10/2017 Apollo Tyres Global R&D Enschede (NL)	Intern of the raw materials group Project: “Broadening of the tan δ curve with new polymers enhancing the wet grip without affecting rolling resistance” Principal tasks: examination of existing patents and technical literature, intellectual property, formulation of tyre blends, compatibility, phase separation, differential scanning calorimetry, dynamic mechanical analysis, Fourier transform infrared spectroscopy, thermogravimetric analysis, atomic force microscopy, Mooney, Payne and other mechanical tests. Filing of two patents: one is pending with application no. LU100944 and the other has no identification number yet.
14/01/2013-24/01/2013 Stazione Sperimentale per l’Industria delle Pelli e delle Materie Concianti (SSIP) - Naples (IT)	Research and study in the context of natural and synthetic polymers. Comparison between ancient and modern leather: diagnosis and degradations mechanisms Techniques: attenuated total reflectance infrared spectroscopy, stereo and phase contrast optical microscope, scanning electron microscope, differential scanning calorimetry-thermogravimetric analysis, mechanical strength and resistance tests.

17/07/2007-27/07/2007 AFME Action for M.E. Bristol (UK)	Intern General office administration and organisational assistance, including press monitoring, data entry, case study, database management.
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PUBLICATIONS

May/June 2013	Florio C., Naviglio B., Calvanese G., Nicoletta P., Piccioli C. “Advanced diagnosis of the degradation of a parchment of historical concern” Cuoio Pelli e Materie Concianti (CPMC), 89, 3, 165-179, 2013
December 2014	Florio C., Naviglio B., Calvanese G., Nicoletta P., Piccioli C. “Advanced diagnosis of the degradation of a parchment of historical concern” Diagnosis for the Conservation and Valorization of Cultural Heritage, Acts of the 5 th International Congress-Naples 11-12 December 2014, 47-58, 2014, Aracne.

PATENTS

Application no. LU100944	Filed at Apollo Tyres Global R&D - Enschede (NL). Patent status: pending.
Application no. not available	Filed at Apollo Tyres Global R&D - Enschede (NL). Patent recently submitted.

AWARDS

Sebetia Ter 2019	Best Thesis in Engineering obtained at foreign University
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LANGUAGE SKILLS

Mother tongue	Italian			
Other languages	Listening skills	Reading skills	Writing skills	Verbal skills
English (IELTS results)	8	7	6.5	6.5
German (DAAD Sprachzeugnis)	C2	C2	C1	C2
Dutch (TCP Exam: Advanced 2)	B1	B1	B1	B1

EXTRACURRICULAR ACTIVITIES

2016-2018 Ariëns Katholieke Studenten Enschede	Board Commissioner for community building Support to international students to integrate in the country and in the university community. Coordination and organization of events.
2011-2012 Rotaract Club Napoli Ovest	Secretary of the professional division Organization and coordination of a preparation course for the initial test of medical faculties, for economically disadvantaged students.
2011- 2016 Paola Nicoletta Design/ PickNick Accessori	Freelance jewellery designer Ideation and creation of handmade Jewels with natural and synthetic polymers, experimenting new techniques. Participation to a fashion show.
2006-2008 Schools	Translator and coordinator Translator (German/English/Italian) supporting teachers in students' exchange projects.

TECHNICAL SKILLS AND EXPERTISE

Office, Basic programming in C++, Matlab, Orbit.

ORGANISATIONAL SKILLS AND EXPERTISE

The work at Apollo has increased my capability of carrying on projects with responsibility and initiative, and to work efficiently in international teams. The accomplishment of two Master degrees in parallel has improved my organizational and time management skills. The role in the Board of Ariëns has taught me how to handle unpredictable situations and to solve logistic problems.

Mainz, 3rd June 2019

Paola Nicoletta