CURRICULUM VITAE



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| Personal Information |

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| Surname, Name |  | **Carlini Carlotta** |
| Address |  | **Via Don Natale Villa 27, I-47923 Rimini (RN)** |
| TelephoneMobile |  | **+39 0544937336****+39 3311225646** |
| E-mail |  | **carlotta.carlini2@unibo.it** |

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| Nationality |  | Italian |

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| Date of birth |  | 20-04-1994 |

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| Education and training |

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| • Dates (from – to) |  | 2014-2017 |
| • Name and type of organisation providing education |  | LiceoScientifico Albert Einstein, corso PNI |
| *•* Principal subjects covered |  | Espressione e letteraturaitaliana, grammaticaletteraturalatina, grammatica e letteraturainglese, storiadell’arte e disegnotecnivo, matematica, fisica, scienzedella terra, chimica, biologia, storia, filosofia, lingua straniera (inglese), informatica (programmazione con Pascal)  |
| • Title of qualification awarded |  | Diploma di liceoscientificoadindirizzo PNI |

 |  | 2019- nowPh.D. Course in Cultural and Environmental Heritage, University of BolognaPhD student at the University of Bologna demonstrating and validating the technical and economic feasibility, together with its environmental and social sustainability as well as its cost competitiveness on a commercial scale, of the thermo-catalytic reforming (TCR) process treating organic waste and the SABR process treating used vegetable oils, to produce a biofuel using green hydrogen and TCR oil. Research activities will include testing on different waste streams using a small TCR prototype; modelling of processes using specially developed software tools; evaluation of the environmental and social sustainability of the demonstrator.Ph.D. in Cultural and Environmental Heritage |
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| • Dates (from – to) |  | 2014-2017 |
| • Name and type of organisation providing education |  | LiceoScientifico Albert Einstein, corso PNI |
| *•* Principal subjects covered |  | Espressione e letteraturaitaliana, grammaticaletteraturalatina, grammatica e letteraturainglese, storiadell’arte e disegnotecnivo, matematica, fisica, scienzedella terra, chimica, biologia, storia, filosofia, lingua straniera (inglese), informatica (programmazione con Pascal)  |
| • Title of qualification awarded• Final score |  | Diploma di liceoscientificoadindirizzo PNI |

 |  | 2017-2019M.Sc. Course in Environmental Assessment and Management, University of BolognaThe Course in Environmental Assessment and Management offers mandatory classes on Chemical Analysis of Environmental Quality, Environmental Legislation, Land Management Principles, Multivariate Statistical Analysis, Physiology Applied to The Environment, Ecological Methods for the Analysis and the Management of the Environment, Environmental Hydrology, Environmental, Political and Economic Management Systems, Prevention and Control of Environmental Impact, plus an Interdisciplinary practical Laboratory. Several other subjects can be chosen by the students about Botanic, Geochemistry, Geophysics, Pedology, Pollutants.M.Sc. in Environmental Assessment and Management110 cum laude |
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| • Dates (from – to) |  | 2014-2017 |
| • Name and type of organisation providing education |  | LiceoScientifico Albert Einstein, corso PNI |
| *•* Principal subjects covered |  | Espressione e letteraturaitaliana, grammaticaletteraturalatina, grammatica e letteraturainglese, storiadell’arte e disegnotecnivo, matematica, fisica, scienzedella terra, chimica, biologia, storia, filosofia, lingua straniera (inglese), informatica (programmazione con Pascal)  |
| • Title of qualification awarded• Ranking |  | Diploma di liceoscientificoadindirizzo PNI |

• Dates (from – to) |  | 2014-2017B.Sc. Course in Environmental Sciences, University of BolognaThe Course in Environmental Sciences offers a broad teaching plan, with the aim of creating an expert able to study the environment with a multidisciplinary approach. Beyond the basic scientific subjects, such as mathematics, chemistry and physics, I have attended characterizing courses, such as Renewable Energies and Energy Management, Environmental Chemistry, Eco-compatible Development and Anthropogenic Alterations, Structure and Dynamics of the Atmosphere and the Ocean. All B.Sc. exams are listed at the end.B.Sc. in Environmental SciencesTop 17% (final score: 110/110 cum laude)2008-2013 |
| • Name and type of organisation providing education |  | Scientific high school *Albert Einstein, PNI* |
| *•* Principal subjects covered |  | Italian expression and literature, Latin grammar and literature, English grammar and literature, art ‘s history and technical design, mathematics, physics, earth sciences, chemistry, biology, history, philosophy, foreign language (English), computer science (programming with Pascal) |
| • Title of qualification awarded |  | High School Diploma |
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| **Scientific Activity** |  | I graduated in 2017 in Environmental Sciences with a thesis on *Quantification and potential valorisation of marine biomasses in Emilia-Romagna* (*Quantificazione e potenziale valorizzazione delle biomasse di origine marina in Emilia-Romagna).* In this work I quantified the amount of beach debris collected in beach cleaning operations and the amount of organic fish waste produced in fish markets. I also analysed some sample of beach debris to separate the various components and chemically characterise woody samples in order to assess their salt content. After graduation, I continued the work on new samples, and I collaborated in the writing of a paper titled *Exploitable fish waste and stranded beach debris in the Emilia-Romagna Region (Italy)*. The paper has been published in *Waste Management*.During both the bachelor and the first year of the master course I attended various laboratories on chemistry, biology, physics, pedology, ecology, physiology and other scientific fields.During summer 2018 I attended EIT – Climate KIC 5 weeks long Summer School, named “Journey”. During the summer school I worked on a project about a new ecolabel designed for supermarkets products. I am currently doing an internship abroad. I am working on my master thesis at the Fraunhofer UMSICHT Institute, Sulzbach-Rosenberg branch, Germany.**Paper**Greggio, N., Balugani, E., **Carlini, C.**, Contin, A., Labartino, N., Porcelli, R., Quaranta, M., Righi, S., Vogli, L., Marazza, D. (2019). Theoretical and unused potential for residual biomasses in the emilia Romagna Region (Italy) through a revised and portable framework for their categorization. *Renewable and Sustainable Energy Reviews*, *112*, 590-606.Greggio, N., **Carlini, C.**, Contin, A., Soldano, M., & Marazza, D. (2018). Exploitable fish waste and stranded beach debris in the Emilia-Romagna Region (Italy). Waste Management, 78, 566-575.**Abstract****CARLINI C.**, GREGGIO N., CONTIN A., MARAZZA D. 2018 Prospective uses of biochar: a project proposal to exploit pruning residues in biochar or biochar-compost mixtures. Accepted abstract for ECOMODO 2018 Green and Circular Economy 6-9 novembre 2018GREGGIO N., **CARLINI C.**, MARAZZA D., LABARTINO N., SOLDANO M., CONTIN A. 2017 First estimation of exploitable "marine" residues from beach cleaning operations and fish markets at Emilia Romagna region. Accepted abstract for ECOMODO 2017 Green and Circular Economy 7-10 novembre 2017**Poster**“Prospective uses of biochar: a project proposal to exploit pruning residues in biochar or biochar-compost mixtures.” **CARLINI C.**, GREGGIO N., CONTIN A., MARAZZA D. ECOMODO 2018 Green and Circular Economy 6-9 novembre 2018“First estimation of exploitable "marine" residues from beach cleaning operations and fish markets at Emilia Romagna region.” GREGGIO N., **CARLINI C.**, MARAZZA D., LABARTINO N., SOLDANO M., CONTIN A. ECOMODO 2017 Green and Circular Economy 7-10 novembre 2017 |

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| Work experience |

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| **•** Dates (from – to) |  | 15/03/2019 - now |
| **•** Name and address of employer |  | Fraunhofer UMSICHT Institute, Sulzbach-Rosenberg, Germany |
| **•** Type of sector |  | Environmental science |
| **•** Occupation and position held |  | Internship trainee |
| **•** Main activities and responsibilities |  | Biochar production and wastewater filtration. Study on a case study (Caviro EXTRA) for a better management of solid waste, production of high added-value products (biochar filter), filtering of wastewater. |

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| **•** Dates (from – to) |  | 26/04/2017 |
| **•** Name and address of employer |  | Associazione Italiana Scienze Ambientali, Via Nicolò V n. 19 – 00165 Roma (RM) |
| **•** Type of sector |  | Scientific dissemination |
| **•** Occupation and position held |  | Support to the activities of the "Riciclo Aperto Impianti 2017" initiative, sponsored by HERA S.p.A. |
| **•** Main activities and responsibilities |  | Environmental communication and dissemination on the recycling of cellulose-based packaging. |

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| **•** Dates (from – to) |  | 20/01/2016 – 26/02/2016  |
| **•** Name and address of employer |  | Simone Rossi, Via San Martino in XX, Rimini (RN) |
| **•** Type of sector |  | Waste Management. |
| **•** Occupation and position held |  | Internship trainee |
| **•** Main activities and responsibilities |  | Data collection and processing, creation of historical records about faults detected in engines. |
| **•** Dates (from – to) |  | March 2011 – now |
| **•** Name and address of employer |  | Daniele Carlini, Via Dario Campana 107/109, Rimini (RN) |
| **•** Type of sector |  | Newsstand / stationery shop |
| **•** Occupation and position held |  | Shop assistant |
| **•** Main activities and responsibilities |  | Sales manager, relationship with customers and suppliers, inventory, warehouse and goods management. |

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| **•** Dates (from – to) |  | December 2013 |
| **•** Name and address of employer |  | Lorella Abate, Via D. Duccio, Rimini (RN) |
| **•** Type of sector |  | Thè Quiero, tea, herbal tea and infusion retailer with tasting room. |
| **•** Occupation and position held |  | Shop assistant |
| **•** Main activities and responsibilities |  | Sales manager, relationship with customers, tasting room management. |

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| Other skills and competence |

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| Mother tongue |  | **Italian** |

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| Other language |  | **English** |
| Level |  | C1 (ielts) |

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| Relational capacities and competences*.* |  | I have always worked in contact with the public, first growing in my mother's dress shop, then working in my father’s newsstand. There I developed my communication skills, thanks to the great variety of customers. At the high school, I have established excellent relationships with most of the professors and classmates. At the University I am the representative of students in the Professors Board and in the Council of the Ravenna Campus. I also have close relationships with professors, classmates and all personnel. I also have always performed sport activities, both in a group and as individual. |

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| Organizational skills  |  | I have good organizational skills, thanks to the simultaneous attendance of classes and of sporting practices. As a commuter and worker, self-organization has always been essential to achievemy goals. |

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| Driving license |  | B |

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| Other information |  | I have been the referent person of the Italian Association of Environmental Sciences, Ravenna Section. |

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| Computer skills and competences | Excel, Power point, Word, QGIS, Photoshop, InDesign, GaBiEducational, RIAMbasic, Simantics (Sysdyn) |