Matteo Cordara

GRADUATE IN FOOD ENGINEERING
DATE OF BIRTH:

CONTACTS

EDUCATION

09/2020-12/2022 **Politecnico di Milano**	**MASTER'S DEGREE IN FOOD ENGINEERING** Title of thesis: "Methylcellulose-based films with tunable permeability for food packaging applications" Supervisior: Prof. L. De Nardo EQF level 7
09/2014-09/2020 **Politecnico di Milano**	**BACHELOR'S DEGREE IN CHEMICAL ENGINEERING** Title of thesis: "Directed evolution of cytochrome c for carbon–silicon bond formation" Supervisior: Prof.C. Cristiani EQF level 6
07/2014 **Liceo Classico Statale Cesare Beccaria**	**CLASSICAL HIGH SCHOOL DIPLOMA**

WORK EXPERIENCE

2017-2018 **Freelancer**	**ITALIAN TEACHER FOR FOREIGN FAMILIES** • Milano, Italy
2018-2019 **CSI Milano**	**PROFESSIONAL PHOTOGRAPHER** • Milano, Italy
2017-2020 **Freelancer**	**CLEARANCE AND REMOVAL SERVICE** • Milano, Italy

27/01/2023

UNIVERSITY PROJECTS

- **Methylcellulose-based films with tunable permeability for food packaging applications** (*Master's thesis*)

Preparation and characterisation of variable permeation hybrid films using innovative techniques. The films were produced using naturally-derived polymers, and were characterised in terms of mechanical, chemical-physical and barrier properties.

- **"Fish Processing Plant Optimization"** (*in collaboration with Esselunga*)

Optimisation of an existing processing plant through the use of Industry 4.0 technologies.

- **"Study on shrinkage bakery-pastry (risk analysis)"** (*in collaboration with Carrefour*)

Risk study of the bakery and pastry line of a Carrefour production plant.

- **"An Overview of Nutella's Supply Chain and Sustainability Initiatives"**

Case study on sustainability initiatives promoted by Ferrero for its Nutella product.

- **"A Study on Roasted Grounded Coffee Packaging"**

Study on the state of the art of coffee packaging, with the aim of finding alternative materials without altering the sustainability of the packaging.

- **"KPI development and improvement action for a case study in the food industry"**

UNIVERSITY ELECTIVE COURSES SKILLS

2020/2021 - CHEMISTRY AND MATERIALS FOR ENVIRONMENT (096286)

- **Life Cycle Analysis and Life Cycle Thinking:** historical background, regulation, procedures, applications. Calculation methodology, databases and technical software. Sustainability assessment: introductory concepts.
- **Ecoindicators:** measurement methods, environmental and damage impact category, impact quantification.
- **Traditional classification of materials:** main properties and uses in engineering.
- **Industrial processes for materials productions:** case studies (i.e. cement, polymeric materials, metallic materials and ceramic materials).
- **Materials End-of-Life:** open and closed-loop recycling, re-use, waste-to-energy process, waste management processes.
- **OpenLca:** use of the software to perform simplified LCA

2021/2022 - ENTERPRISE RISK MANAGEMENT (099309)

- identifying and analysing risks in a systemic and functional way.
- managing risk in an integrated way (i.e., without compartmentalising financial-related risks from operations-related ones).
- international frameworks for Enterprise Risk Management.

27/01/202?

WORK AND PROJECTS SKILLS

- Ability to work in teams with experts from different fields in order to achieve a common goal
- Interdisciplinary approach to problem solving
- Presentation skills
- Knowledge of basic tools in a chemical laboratory
- Knowledge of basic techniques for the characterisation of materials and their properties (Optical microscopy, WVTR, OTR, Swelling, SEM, FTIR, DMA)
- Use of Gantt Charts for resources allocation
- Use of risk assessment software and models (Klarisk by Symlogik)

DIGITAL SKILLS

Processing applications

Microsoft Office | Google Workspace | Canva |

Management softwares

Notion | GanttProject

Statistical softwares

Minitab | Graphpad Prism | Origin Pro | Matlab

Image processing softwares

Adobe Photoshop | Adobe Lightroom | Adobe Illustrator | ImageJ

Cognitive Computing softwares

Klarisk

Life Cycle Assessment softwares

OpenLCA

Markup languages

LateX

Programming languages (basic knowledge)

HTML | CSS

LANGUAGE SKILLS

Mother tongue: Italian

Other language(s):

	Listening	Reading	Spoken Production	Spoken interaction	Writing
English	**C1**	**C1**	**C1**	**C1**	**C1**
French	**B1**	**B1**	**B1**	**B1**	**B1**

27/01/2023

CERTIFICATIONS

04/2020
MASTERING ADOBE LIGHTROOM - **UDEMY**
Credential URL: https://www.udemy.com/certificate/UC-af3e8198-d9b2-4667-818b-11409a416643/

04/2020
SHARE FOOD, CUT WASTE - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/2a48bc7111f040e58027a6c5914e5eaa

03/2020
HIGHER EDUCATION FOR SUSTAINABLE DEVELOPMENT GOALS - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/e3c3012ba6f34a68b5076f6ed10f57e0

10/2019
EMBRACING DIVERSITY - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/710e9263f6604454a3d46de0a817d585

10/2019
MATLAB FUNDAMENTALS - **MATHWORKS**
Credential URL: https://matlabacademy.mathworks.com/progress/share/certificate.html?id=ba168c1f-76a8-4c24-93e7-b05a0d32937f

10/2019
SUSTAINABLE BUSINESS IN THE RENAWABLE ENERGY SECTOR - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/52a91ba50dfa46db9bc13f46f4f71755

10/2019
THE STRANGE PARADOX OF THE WORLD ENERGY QUESTION - **ALTA SCUOLA POLITECNICA**
Credential URL: https://www.pok.polimi.it/certificates/efa11fd30eaf41dcba3aa5b7d12c120c

10/2019
WORKING IN MULTIDISCIPLINARY TEAMS - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/b431347aa1e04880acf076978d265f08

07/2019
TOEIC - **EDUCATIONAL TESTING SERVICE (ETS)**
Score: 985/990

05/2019
MATLAB ONRAMP - **MATHWORKS**
Credential URL: https://matlabacademy.mathworks.com/progress/share/certificate.html?id=21876b1f-36e7-4f50-9009-a86ed3f3e5b7

03/2019
FONDAMENTI DI MARKETING DIGITALE - **GOOGLE**
Credential ID: QQK TAA G7B

06/2018
MANAGING CHANGES - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/8a1ff1d6455e459abf62e5cac2a3a23c

06/2018
MANAGING CONFLICTS - **POLITECNICO DI MILANO**
Credential URL: https://www.pok.polimi.it/certificates/30475be6ff604c6083d787aa9acdc6e1

05/2012
DELF B1 - **INSTITUT FRANÇAIS**
n° de candidat: 039002-029965

01/2012
ECDL - **ASSOCIAZIONE ITALIANA PER L'INFORMATICA E IL CALCOLO AUTOMATICO (AICA)**
Credential ID: IT-1877511

VOLUNTEERING

2014-CURRENT
EDUCATORE - **UNITÀ PASTORALE GIOVANILE SEMPIONE**   27/01/2023