



Daniele Tanzilli

Date of birth: 13/12/1994

Nationality: Italian

Gender: Male

CONTACT



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EDUCATION AND TRAINING

01/11/2021 – CURRENT

PhD student

University of Modena and Reggio Emilia

PhD project 'Big Data for Industry 4.0 and Material 4.0' which deals with multivariate process control aiming at real-time implementations. Thus, aiming at furnishing the companies I am collaborating with a better handling of in-line data stream and consequently a greater ability to control industrial process through developing new approaches based on latent variable methods (MSPC-LVs) for the real time monitoring and control of industrial processes, fusing information from process and "chemical" sensors as NIR.

Tutors: Dr. Marina Cocchi, Dr. Cyril Ruckebusch, Dr. Raffaele Vitale

05/2021 – Roma

Master's degree in Analytical Chemistry

University of Rome "la Sapienza"

Thesis work in chemometrics field, based on classification methods, in particular, have been evaluated performance of a modelling method of pre-existing class and it has been optimized, making it usable on datasets characterized by a high number of variables.

Supervisor: Dr. Federico Marini

110 L | Evaluation of alternative class modelling approaches for data of different nature

10/2017 – L' Aquila

Bachelor's Degree in Chemical and Material Sciences

University of L'Aquila

Supervisor: Dr. Francesco De Angelis, Dr. Samantha Reale

110 | Characterization through ESI-MS of synthetic allomelanins obtained in vitro by enzymatic polymerization of dihydroxybenzene

WORK EXPERIENCE

05/2016 – 05/2017 – L' Aquila

Tutoring Activities

University of L'Aquila

Activities carried out for a total of 150 hours at the educational laboratories of the Department of Physical and Chemical Sciences

27/06/2012 – 13/07/2012 – Fontana Liri, Italy

Stage

Stabilimento militare propellenti, Fontana Liri (Fr)

Propellant quality control by volumetric and instrumental techniques (HPLC)

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening
B1

Reading
B1

**Spoken
production**
B1

**Spoken
interaction**
B1

Writing
B1

DIGITAL SKILLS

Matlab / Fortran 97 / Microsoft Office

ADDITIONAL COURSES

2021

MATLAB Onramp

2-hour course on the online platform MathWorks®

2021

Machine Learning e Data Science in Python: il Corso Completo

12-hour course on the online platform Udemy

PUBLICATIONS

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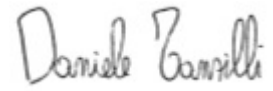
- Strani, L.; Vitale, R.; **Tanzilli, D.**; Bonacini, F.; Perolo, A.; Mantovani, E.; Ferrando, A.; Cocchi, M. A Multiblock Approach to Fuse Process and Near-Infrared Sensors for On-Line Prediction of Polymer Properties. *Sensors* **2022**, 22, 1436. <https://doi.org/10.3390/s22041436>

CONFERENCES AND SEMINARS

Contributions to international conferences (co-author)

- D. Tanzilli, F. Marini, Class-modeling: reviving old tools unjustly forgotten, SSC-17, Ålborg (Danimarca), 6-9 settembre 2021 (poster)
- A. Biancolillo, D. Tanzilli, C. Scappaticci, F. Marini, Class-modeling for multi-block data: something borrowed, something new, SciX2021, Providence (USA), 26 settembre -1 ottobre 2021 (comunicazione orale).
- A. Biancolillo, D. Tanzilli, C. Scappaticci, F. Marini, Class-modeling revisited: the algorithms' new clothes, The 20th International conference on NIR – NIR2021, Beijing (Cina)/online, 18-21 ottobre 2021 (comunicazione orale).

I, the undersigned, declare that what is indicated in this document corresponds to the true to the senses of art.46 and 47 D.P.R. 445/2000 and expresses its consent so that the personal data provided may be treated in compliance with Legislative Decree no. 196/03, for the obligations related to this procedure.

A handwritten signature in black ink, reading "Daniele Tanzilli". The script is cursive and fluid, with the first name and last name clearly distinguishable.

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