

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name

LINGYU TAI

Address

Telephone

E-mail

Lingyu.tai@uniroma1.it

Nationality

China

Date of birth

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Research topic

November 2018 – up to now

Department of Chemical Engineering, Sapienza university of Rome

PhD student Of the PhD of Chemical Process for Industry and Environment

Hydrothermal liquefaction of lignocellulosic biomass for liquid bio-fuel and chemicals production; Fundamentals studies on the HTL mechanism of the main biomass components. Study of the effect of catalysts and heterogeneous hydrogen donors for the improvement of bio-fuel quality and yield.

Hydrothermal liquefaction of food waste for recovery of valuable chemicals.

Hydrotreating of bio-crude over Ni supported zeolite catalysts.

- Title of qualification awarded
- Publications

Phd fellowship

B. de Caprariis, M.P. Bracciale, I. Bavasso, G. Chen, M. Damizia, V. Genova, F. Marra, L. Paglia, G. Pulci, M. Scarsella, L. Tai, P. De Filippis, Unsupported Ni metal catalyst in hydrothermal liquefaction of oak wood: Effect of catalyst surface modification, *Sci. Total Environ.* 709 (2020) 136215.

L. Tai, B. de Caprariis, M. Scarsella, P. De Filippis, F. Marra, Improved Quality Bio-Crude from Hydrothermal Liquefaction of Oak Wood Assisted by Zero-Valent Metals, *Energy & Fuels.* 35 (2021) 10023–10034.

B. de Caprariis, M. Scarsella, I. Bavasso, M.P. Bracciale, L. Tai, P. De Filippis, Effect of Ni, Zn and Fe on hydrothermal liquefaction of cellulose: Impact on bio-crude yield and composition, *J. Anal. Appl. Pyrolysis.* 157 (2021) 105225.

- Dates (from – to)
- Name and type of organisation
- Principal subjects/occupational skills covered
- Title of qualification awarded

September 2015 – January 2018

Tianjin university

Environmental engineering

Master of Science in engineering

- Dates (from – to)
- Name and type of organisation
- Principal subjects/occupational skills covered
- Title of qualification awarded

September 2011 – June 2015

Northwest A&F University

Agronomy

Bachelor of Science in Agronomy

**PERSONAL SKILLS
AND COMPETENCES**

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

**SOCIAL SKILLS
AND COMPETENCES**

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

**ORGANISATIONAL SKILLS
AND COMPETENCES**

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

**TECHNICAL SKILLS
AND COMPETENCES**

*With computers, specific kinds of
equipment, machinery, etc.*

MANDARIN

ENGLISH

excellent

excellent

excellent

BASKETBALL PLAYER (AMATEUR)

VOLUNTEER FOR INTERNATIONAL ACADEMIC CONFERENCE (BIOENERGY AND ENVIRONMENT, 2017,
TIANJIN, CHINA)

AS SUPERVISOR OF ONE MASTER STUDENT AND THREE BACHELOR STUDENTS FOR THEIR LABORATORY
WORK. (2019-2021)

PEER REVIEWER: ENERGY CONVERSION AND MANAGEMENT, BIOMASS CONVERSION AND BIOREFINERY

Gas chromatography–mass spectrometry,

Elemental analyzer

High performance liquid chromatography