

# Céline WANG

## PhD Student in Mathematics Applied to Ecology

Titled “Mathematical Models for the Reproduction and Migration of Forest Species”  
Under the supervision of O. GOUBET and F. PACCAUT

@ celine.wang@univ-lille.fr



## Education

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<b>PhD in Mathematics applied to Ecology (Université de Lille)</b> ANEDP team at Laboratoire Paul Painlevé & PARADYSE team at Inria	Oct 2023 – Present
<b>Master’s Degree in Engineering (Centrale Lille)</b> General education (Sep 2019 – Jul 2021), gap year (Sep 2021 – Sep 2022), Data Science program (Sep 2022 – Sep 2023)	Sep 2019 – Oct 2023
<b>Master’s Degree in Mathematics (Université de Lille)</b>	Sep 2022 – Apr 2023
<b>Agrégation externe de Mathématiques (Université de Lille)</b> The highest competitive test to become a mathematics teacher in France	Sep 2021 – Jul 2022
<b>CPGE, Math-Physical Sciences Branch (Lycée Saint-Louis)</b>	Sep 2017 – Jul 2019

## Papers and Communications

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<b>Feller Property and Absorption of Diffusions for Multi-Species Metacommunities</b> – with Benoît HENRY arXiv  2601.16616	 30 Jan 2026
<b>(Talk) Journée modélisation mathématique pour l’écologie (Amiens)</b>	Nov 2025
<b>(Talk) Journée des doctorants en mathématiques de la fédération des Haut-de-France (Lens)</b>	Sep 2025
<b>(Talk) ANEDP Team Day</b>	May 2025
<b>(Talk) PhD Students Seminar</b>	May 2025
<b>(Poster) Applied Analysis and Modeling (Lille)</b>	Nov 2024

## Teaching

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<b>Probability 2 – Markov Chains (Master 1, Data Science)</b> Tutorials (8h) and labs (4h, only 2026)	Jan 2024 – Feb 2026
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## General Mathematics (Licence 1, Math-Info)

Tutorials on a half-semester (36h) each year

Sep 2023 – Dec 2025

## Remediation (Licence 1, SVTE)

Tutorials, refresher course (16.5h)

Sep 2025

## Thematic Studies (Licence 1, Math-Info and MPCSI)

Tutorials, 4 groups (10h per group)

Jan 2024 – Jan 2025

## Oral Examinations (ECS2, MPSI, MP2I, Lycée Faidherbe)

Sep 2021 – Feb 2023

### Other Work Experience

#### Internship: Trinov (Paris)

Waste management software, 1 semester, 2023

#### Volunteering at AFEV

20h of tutoring for a 10 year-old child, 2020

#### Internship: Les Amis Recycleurs

La Recyclerie (Paris)

Repair of household appliances, 5 weeks, 2020

### Other

#### Languages

French (native), Chinese (native), English (fluent), Spanish (conversational)

#### Programming Languages and Software

Python,  $\LaTeX$  (fluent), Git

#### Music

Piano (Cycle 3 at Conservatoire de Lille), writing (beginner)

#### Drawing