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## **Course in Scientific Writing for Environmental Sciences**

**FEBRUARY 14-18, 2022**

**Room to be defined**

### **Course Overview**

This course will teach students of the PhD Course in Environmental Sciences (<https://www.environsci.unimi.it/>) to become more effective scientific writers. The course will consist of 18 hours of in-class lectures, including time for exercises and practicals.

### **Aim and objectives**

Through a combination of in-class lectures, exercises, writing time and peer feedback, the course aims at preparing the students to write a scientific paper. Specifically, the course aims to:

- Develop confidence in writing skills
- Understand editorial processes and what editors look for
- Learn best practices for submitting a paper and peer review
- Practice writing of abstracts and significance statements

### **Course programme**

#### *Part 1: Basics of scientific writing*

- Lecture 1 - What makes a great paper (1 h)
- Lecture 2 - Elements of writing style and grammar: The dos and don'ts of writing (1 h)
- Lecture 3 - The writing process: Easier, more efficient and organized writing (1 h)
- Lecture 3 - Finding your message: the significance statement (with exercise) (2 hs)
- Lecture 4 - Writing an abstract (with exercise) (2 hs)
- Lecture 5 - Developing a manuscript outline (with exercise) (2 hs)
- Lecture 6 - Data presentation (2 h)

#### *Part 2: Publishing your paper*

- Lecture 8 - The editorial process (1 h)
- Lecture 9 - Before submission: checklist and how to select the appropriate journal (1 h)
- Lecture 10 - Writing a cover letter (with exercise) (2 h)
- Lecture 11 - Issues in scientific writing: authorship, plagiarism, reproducibility (1 h)
- Lecture 12 - Communicating your paper to a general audience (with exercise) (2 h)

