

## EcoPilot Documentation:

### Bibliographic index

This list of scientific publications of **Éric Laitat** traces ten years of scientific education (1982 - 1992) and fifteen years of experimental research (1987 - 2004) in ecology and ecophysiology on major threats for the environment, forest and agricultural ecosystems, water, air, soil, as well as on analytical methods and good laboratory practices.

### Core area

- Ecology and ecophysiology
- Threats on the environment
- Analytical methods and good laboratory practices

### Bibliométries

**105** original articles on the environment, ecophysiology of forest trees and climate change, **36** citations in international scientific journals, **39** original scientific articles including 23 in international journals, **6** contributions to monographs, 3 reviews of scientific works, **43** proceedings of scientific meetings, including **22** oral presentations at international meetings, more than **100** invited lectures, publisher of proceedings of scientific symposia, author of a series of ebooks, more than **5 000** pages of reports for support To the decision for the Walloon Region, more than **3 000** pages of reports of missions of aid for the sustainable development.

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### Key words

- Bibliography Eric LAITAT
- environment
- climat & energy
- air, eau, sol protection

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## 1 Introduction

This bibliography is presented in six categories: 1. dissertations, 2. articles from international journals, 3. articles, 4. contributions to monographs, 5. reviews of scientific articles, 6. proceedings of scientific meetings:

- Each reference is numbered according to the chronological order of publication (from 1 to 105)
- Numbers of articles cited in the international literature are indicated in bold (Refs. 2, 4, 13, 29, 32, 48, 49, 61, 80, 92, 94)
- The exponent in parentheses gives the citation index, for a total of 36 citations.

This series of articles deals with:

- **Ecology and eco-physiology:** photosynthesis, chlorophyll fluorescence, foliar leaching, cation exchange, mineral nutrition, carbon balance, drought resistance and tolerance, water potential, aerial and root biomass.
- **Threats on the environment:** air pollution, sulphur dioxide (SO<sub>2</sub>), nitrogen oxydes (NO<sub>x</sub>, NO<sub>2</sub>, N<sub>2</sub>O), ozone (O<sub>3</sub>), ammonia (NH<sub>4</sub>), acid rain, ultraviolet rays (UV-A, UV-B), climate change, greenhouse gas (GHG), carbon dioxide (CO<sub>2</sub>) and heavy metals, etc.
- **Analytical methods:** Scanning electron microscope, RX micrographic probe, gas exchange, chlorophyll fluorescence, foliar analysis, mineral analysis, hydrogen pump, bioindicator, biomonitor, rhyzotron, root development, Watershed, micro-cuvette

## 2 Dissertations

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## Biography

Expert in environment for more than 30 years, Eric Laitat started his career in the academic world.

Engineer, then Ph D. of Environmental Sciences, he published a large number of original scientific articles, which are listed in this bibliographic index. He is also editor of proceedings of scientific workshops, author of a series of ebooks and feeds into several websites dedicated to ecology and the environment. He is recognized as an author committed to sustainable development.

He performs missions for international institutions and organizations. The pilot projects in which he has been involved since 1982 have made him travel around the world, from Belgium, where he lives, via Rio and Kyoto.

In 2003, he founded EcoPilot, an independent consulting firm for pilot projects and sustainable development. It is committed to serving the local and regional players and supports their development through environmental breakthroughs.

Eric first tries to share with his clients a global vision of sustainable environmental issues, then accompanies them in the definition of an eco-adapted project that will best serve the objectives, identifies suitable European or international financing instruments and mechanisms to promote solutions and to mitigate the environmental footprint.

He has analyzed and supported more than 450 eco-projects to date. His strength lies in mastering the knowledge and tools that give impetus to eco-innovation and eco-design of product and services.

Eric's ambition is to combine a theoretical mastery with scientific methods for solving problems in order to work - finally and efficiently - in a network around the world, and to make a useful contribution to the development of a green and prosperous economy to the benefit of all.



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