# Energetic mismatch induced by warming decreases leaf litter decomposition by aquatic detritivores

**Theme08 - Introduction to Systems Biology**
Reproducing a Research Article



Figure 1: Gammarus fossarum

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**Class**: BFV2

**Study**: Bio-Informatics

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**Abstract**

Max 150-250 words. CHANGE LAYOUT/STYLING ENTIRELY

# Table of Contents

# List of Figures

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# 1   Introduction

Introduction of the research and introduction research questions

## 1.1   Goal

- Describe Goal (not the educational goal but the research goal)
- Describe how you reach the goal (e.g. make model and figures, use different setting)
- formulate hypothesis

## 1.2   Theory

- Describe biological model
- Picture of the biological model

Give an explanation of the model with citations of source \cite{Soertaert10} and formula explanation.

Describe each element and the transformations

# 2   Methods

## 2.1   The software model

- Describe the software tools used, as well as the libraries
- Describe the software implementation

## 2.2   Model configuration

Explain chosen initial state, parameter values and time sequence. Use tables with values.

# 3   Results

Introduction of results, how does it answer your research questions.

- Describe what can be seen in such way that it leads to an answer to your research questions
- Give your figures a number and a descriptive title.
- Provide correct axis labels (unit and quantity), legend and caption.
- Always refer to and discuss your figures and tables in the text - they never stand alone.

# 4 Discussion and Conclusion

## 4.1 Discussion

- Compare your results with what is expecting from the literature and discuss differences with them.
- Discuss striking and surprising results.
- Discuss weaknesses in your research and how they could be addressed.

## 4.2 General conclusion and perspective

Discuss what your goal was, what the end result is and how you could continue working from here.