Life cycle of the red alga *Ceramium tenuicorne*

Presence of the life stages in populations from different depths

- Cystocarp
- Tetrasporangium
- Paraspores

0 m
1 m
2 m
Epiphytic diatoms on two main genera of *Cladophora* in Bornholm littoral and sublittoral

Kateřina Glasnerová, Veronika Kantnerová, Terezie Očadlíková

*Cladophora rupestris*  
*Cladophora glomerata*
Adventitious branches in the seaweeds
*Fucus vesiculosus* and *F. radicans*

Petr Knotek
Tereza Podobová
Kateřina Tučková

Adventitious branches

Nitrate

Asexual reproduction

Sexual reproduction

Egg + sperm

Germling

Fucus serratus?
Food preferences of prawns *Palaemon elegans*

Authors: Tadeáš Ryšan, Karolína Dobešová

I am also known as **rockpool shrimp** and I am one of in Baltic sea. I am **omnivore** – I eat algae, detritus and sometimes I also hunt some fish or other crustaceans.

We prefer *Cladophora glomerata* (1) but we absolutely love *Cladophora rupestris* (2)!

Here is your **baltic algae menu**. What do you prefer?

- Polysiphonia fucoides
- Ulva
- Furcellaria lumbricalis
- Pilayella litoralis
- Cladophora glomerata
- Cladophora rupestris
- Fucus serratus

Experiment in aquarium
Zygnematophyceae in the Baltic littoral and their occurrence dependant on salinity of coastal pools

<table>
<thead>
<tr>
<th>Salinity (µS/cm)</th>
<th>Temperature (°C)</th>
<th>Zygnematophyceae</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td></td>
<td>230 - 1230 µS/cm occurrence of Zygnematophyceae</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ulvophyceae</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5500 µS/cm</td>
</tr>
</tbody>
</table>

In coastal localities we identified three basic genera of Zygnematophyceae (*Spirogyra*, *Mougeotia*, *Zygnema*). The conductivity ranged between 260 and 1230 µS/cm. Higher values of conductivity proved to be limiting for the occurrence of these algae. In the environment with higher conductivity, they were replaced mainly by *Urospora* and *Ulva*.