

## *Zoogloea ramigera* (Itzigsohn, 1868)

**Most likely ID:** n.a.

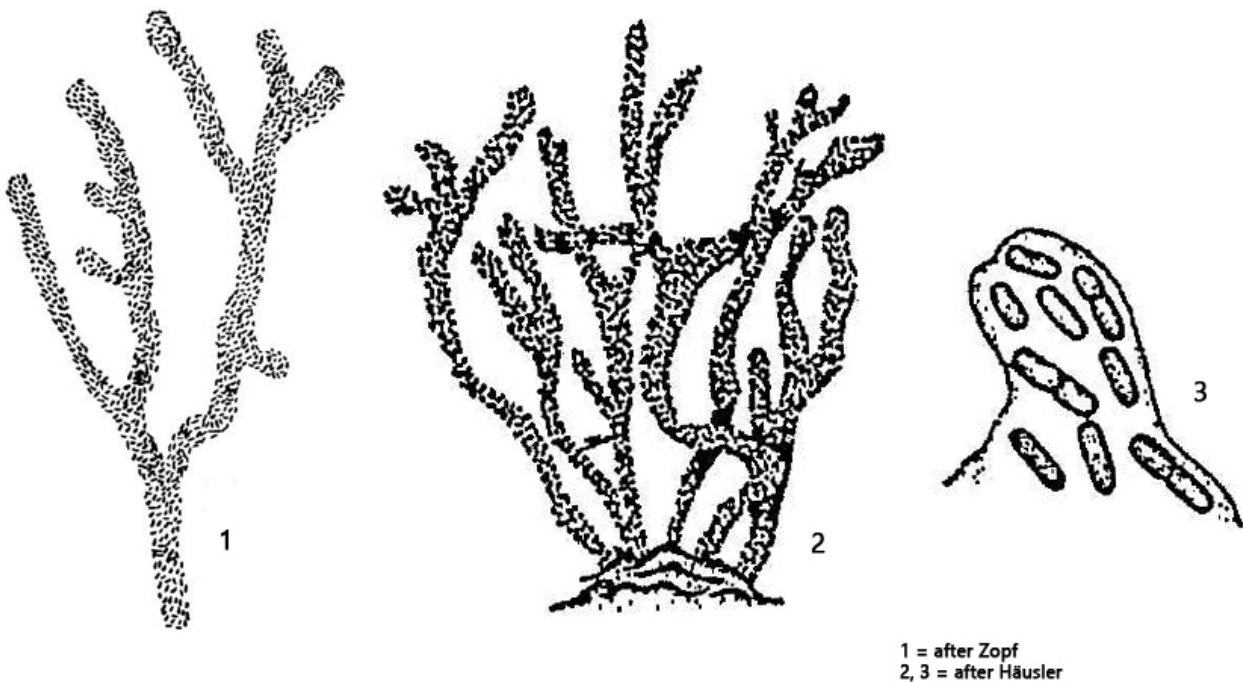
**Synonym:** n.a.

**Sampling location:** [Simmelried](#)

**Phylogenetic tree:** [Zoogloea ramigera](#)

### **Diagnosis:**

- rod-shaped bacteria, 1-3  $\mu\text{m}$  long
- bacteria embedded in hyaline gelatinous mass
- colonies of bacteria branched and finger-shaped, antler-like
- colonies up to 1,5 mm long



*Zoogloea ramigera*

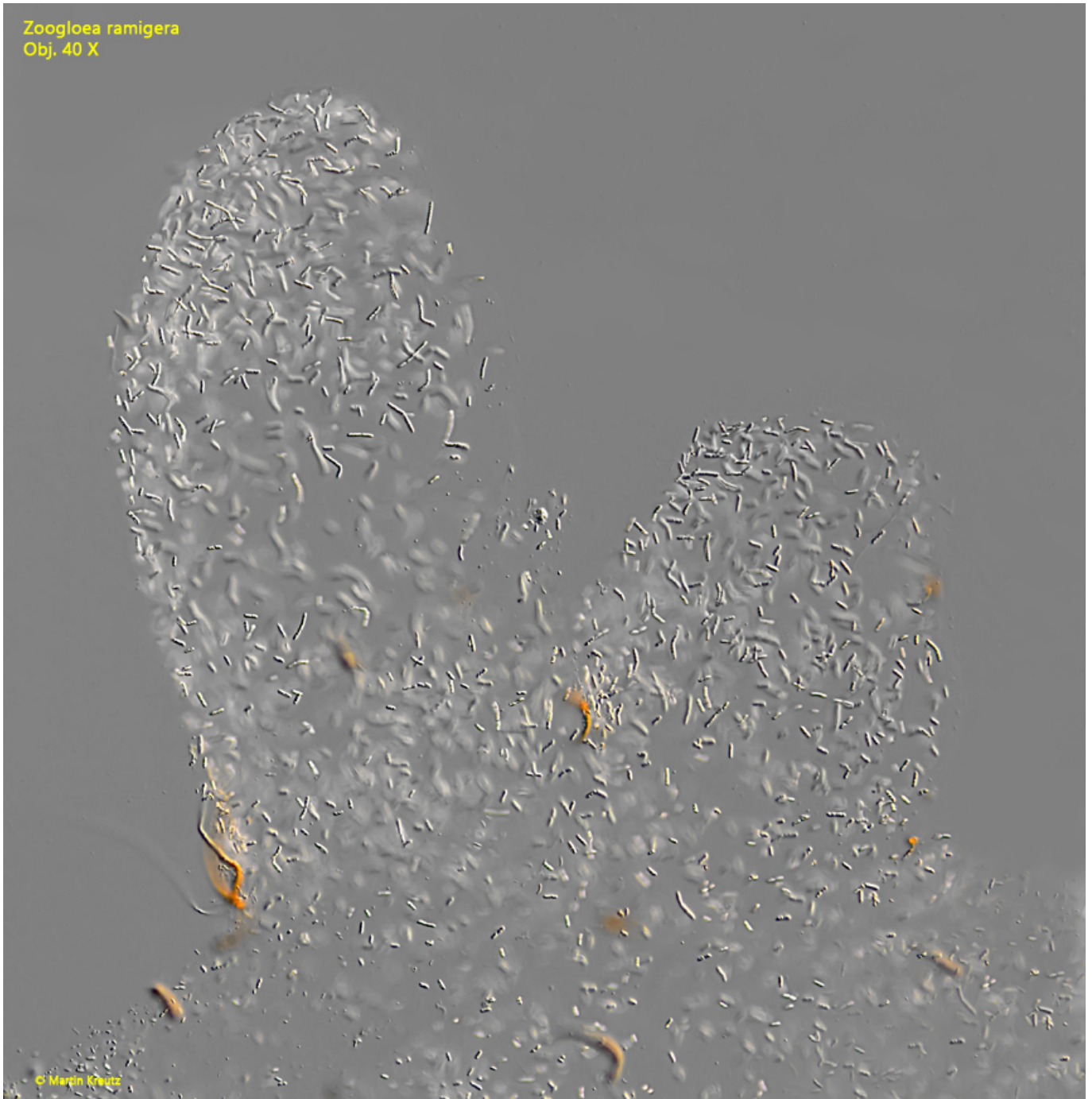
I often find colonies of *Zoogloea ramigera* in the upper layer of decaying plant masses, where the nutrient content is particularly high. *Zoogloea ramigera* grows particularly well in

such an environment. The colonies are finger-shaped or antler-shaped and can be identified even at low magnifications. The colonies can contain thousands of bacteria. The mucus envelope in which the bacteria are embedded is sharply defined, but this is difficult to recognize in the DIC. The bacteria can form a polar flagellum and are then motile. However, I was unable to observe such a stage.



**Fig. 1:** *Zoogloea ramigera*. A finger-shaped colony with a length of about 200  $\mu\text{m}$ . Obj. 40 X.

Zoogloea ramigera  
Obj. 40 X



**Fig. 2:** *Zoogloea ramigera*. A branched part of a colony. Obj. 40 X.

Zoogloea ramigera  
Obj. 40 X

100 µm

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**Fig. 3:** *Zoogloea ramigera*. A colony with bulbous ends. Obj. 40 X.