

## **Abstract**

The work summarizes the knowledge about chemical communication among microorganisms, focusing mainly on the quorum sensing phenomenon, but briefly discussing also other molecules with signaling function. The work presents fundamental information on quorum sensing and some other signaling molecules in selected grampositive and gramnegative bacteria and in yeast. It also describes an universal system of communication among different bacteria and briefly mentions communication between bacteria and yeast.

**Key words:** Quorum sensing, signal molecule, signal pathway, bacteria, yeast, communication