

# **DRINKING WATER TREATMENT AND QUALITY**

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The lecture will deal with all aspects of drinking water treatment and quality. Technologies for underground water (removal of iron, manganese, carbon dioxide, radon and other undesirable compounds) and surface water (removal of natural organic matter, suspended solids...) treatment will be outlined, including disinfection of drinking water. Some “special” technologies like biotechnologies, flotation, air-stripping, etc. will be also presented.

Quality of raw and finished drinking water will be discussed. Some examples from the Czech Republic will be shown in context with national and international standards and guidelines (EU, WHO) for drinking water quality.