# Environmental Microbiology

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The scope of *Environmental Microbiology* encompasses the diversity of current research on microbial processes in the environment, microbial communities, interactions and evolution and includes, but is not limited to, the following:

* the structure, activities and communal behaviour of microbial communities
* microbial community genetics and evolutionary processes
* microbial symbioses, microbial interactions and interactions with plants, animals and abiotic factors
* microbes in the tree of life, microbial diversification and evolution
* microbiomes and holobionts
* population biology and clonal structure
* microbial metabolic and structural diversity
* microbial physiology, growth and survival
* primary and secondary metabolism in the environment
* microbes and surfaces, adhesion and biofilm
* responses to environmental signals and stress factors
* modelling and theory development
* pollution microbiology
* microbial ecology of pathogens
* extremophiles and life in extreme and unusual little-explored habitats
* element cycles and biogeochemical processes
* microbes in a changing world, microbially-influenced global changes
* systems biology and computational predictions
* evolution and diversity of archaeal and bacterial viruses
* new technological developments in microbial ecology and evolution, in particular for the study of activities of microbial communities, non-culturable microorganisms and emerging pathogens
* single cell microbial ecology.

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