Environmental DNA

Coming in 2019

A new open access journal dedicated to the study and use of environmental DNA for basic and applied sciences

Environmental DNA will be a fully double-blinded peer reviewed open access journal. The journal will publish papers that pertain to the analyses of eDNA (including ancient DNA, non-invasive sampling, diet analyses, metabarcoding, metagenomics, microbial ecology and pathogens) and address questions of both basic and applied relevance. Research areas (and non-exclusive examples of applications) of interest to *Environmental DNA* include but are not limited to:

- **Experimental eDNA work:** Testing the impact of physico-chemical factors (e.g. natural biogeochemistry and PCR pollutants) on eDNA, degradation, transport, shedding and detection rate, comparing detection and abundance estimate with conventional methods
- **Trophic and community ecology:** Ecosystem dynamics, functional diversity, predator-prey interactions (e.g. diet analysis), host-associated microbiota
- **Palaeo-environments:** Past species and community diversity and abundance measurements, inference in space and time
- **Biomonitoring, conservation biology:** Single- and multi-species detection, comprehensive biodiversity at different scales, abundance estimates, detection of rare, cryptic and endangered species, non-invasive sampling, management (e.g. fisheries), occurrence and detection estimates
- **Invasion biology:** Early species detection at low abundance, passive surveillance, impacts on ecosystems, vectors and pathways of dispersal
- **Environmental assessment:** Impacts of pollutants and other environmental disturbance on species and communities, microbial source tracking (fecal bacteria or pathogens)
- **Physical eDNA properties:** Uptake and transformation based on geochemistry, particles, organic chemistry or microbial community.
- **Techniques and methods:** Engineering development, developing, testing and evaluating eDNA biotechnology and biostatistical approaches.
- **Applications in citizen science and biodiversity education**

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All articles published by *Environmental DNA* will be fully open access: immediately freely available to read, download and share

COMING SOON!

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