

Hydrocarbon and Lipid Microbiology Protocols

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List of Planned Volumes

- **Field and In-situ Studies**
- **Chemical and Physical Analyses of Hydrocarbons and Petroleum**
- **Meso- and Microcosms**
- **Cultivation**
- **Biochemical Methods**
- **Methods to Detect Specific Individuals and Groups in Communities**
- **Single-Cell and Single-Molecule Methods**
- **Ultrastructure and Imaging**
- **Activities and Phenotypes**
- **Genetic, Genomic and System Analyses for Pure Cultures and Communities**
- **Synthetic and Systems Biology in Hydrocarbon Microbiology**
- **Ecotoxicological Procedures**
- **Applications in Degradation, Pollution Mitigation and Waste Treatment**
- **Application for Synthesis, Derived Products and Facilitating Tools**
- **Statistics, Data Analysis, Bioinformatic Tools, Databases, Modeling**

Each Volume will have an introductory chapter that highlights the principal key questions to be answered, outlines the pertinent experimental approaches available, identifies the critical considerations for approach selection, and discusses relevant strengths, weaknesses and limitations of individual methods. It will be useful to highlight generic issues and point out particular aspects that are not covered in the Volume, and perhaps provide links with other Volumes.

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