



## Lipids in Freshwater Ecosystems

By Arts, Michael T. / Wainmann, Bruce C.

Book Condition: New. Publisher/Verlag: Springer, Berlin | The fundamental purpose of this book is to synthesise the divergent literature on aquatic lipids into a co-ordinated, digestible form. A large part of the book addresses lipid composition and production in freshwater organisms, with chapters on phytoplankton, zooplankton and benthic invertebrates. A common theme throughout the book is the function of lipids in aquatic food webs, with a chapter devoted exclusively to lipids as indicators of health in fish populations. A complementary chapter highlights the role of lipids and essential fatty acids in mariculture. Methodologies to determine the lipid content of aquatic samples and suggestions as to the utility of fatty acids as trophic markers are included, as is one chapter on the role of lipids in the bioaccumulation and bioconcentration of toxicants and another on the relationships between lipids and surface films and foams. The final chapter highlights the similarities and differences between lipids of marine and freshwater origin. Students and researchers in ecology, phycology, aquatic toxicology, physiological ecology and limnology will find this an invaluable guide and reference. | 1. Determination of Total Lipid, Lipid Classes, and Fatty Acids in Aquatic Samples.- 1.1. Introduction.- 1.2. Results and Discussion.- 1.2.1. Sampling...



**READ ONLINE**  
[ 6.01 MB ]

### Reviews

*This created ebook is great. it was writtern very properly and useful. Its been printed in an exceedingly easy way in fact it is just right after i finished reading this pdf where basically modified me, alter the way i think.*

-- **Aglae Becker**

*This ebook is definitely worth buying. It is definitely basic but excitement within the fifty percent in the ebook. Its been designed in an extremely straightforward way which is merely following i finished reading this ebook where basically changed me, alter the way in my opinion.*

-- **Ward Morar**