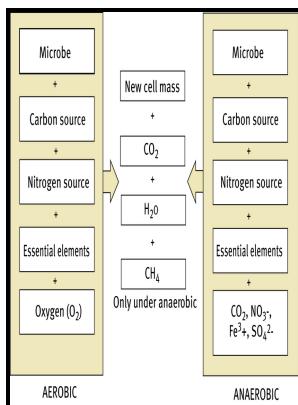


Biotransformation of organic pollutants in the aquatic environment

Guyot - Organic Pollutant



Description: -

- Biotransformation of organic pollutants in the aquatic environment

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Nuova biblioteca storica -- 40

Water pollution research reports -- 14 Biotransformation of organic pollutants in the aquatic environment

Notes: At head of title: Commission of the European Communities.
This edition was published in 1989



Filesize: 49.69 MB

Tags: #Identification #of #biotransformation #products #of #organophosphate #ester #from #various #aquatic #species #by #suspect #and #non

Biotransformation strategies for steroid estrogen and androgen pollution

Higher urinary BPA concentrations were found to be associated with decreased ovarian response, number of fertilized oocytes, and decreased blastocyst formation Ehrlich et al. However, this method has not been proven to be very effective Maes et al.

Identification of biotransformation products of organophosphate ester from various aquatic species by suspect and non

Whereas mercury accumulates in the muscles of larger predatory fish, PCBs and dioxins are found in the fatty tissues of fish.

Bioaccumulation and biotransformation processes of polar organic pollutants in aquatic invertebrates

Multiple tests involving PCBs have been performed on various animal species. Several model organic compounds, including humic acid, tannic acid, glucose, starch, glycine, and bovine serum albumin BSA , were used to represent the different types of organic pollutants in wastewater discharge.

Removal, biotransformation and toxicity variations of climaazole by freshwater algae *Scenedesmus obliquus*

The uptake and depuration of pollutants by shellfish depend on a number of physicochemical and biological variables, but mainly on the environmental concentration of the chemical and its fat-solubility. This chapter summarizes current knowledge on the biotransformation of OMPs during aerobic and anaerobic biological wastewater treatment processes, respectively. For many organic pollutants, the extent to which conjugates are formed is extremely important in determining the rate of excretion of the pollutant.

Biotransformation strategies for steroid estrogen and androgen pollution

Liquid chromatography-high resolution mass spectrometry was used for target, suspect, and non-target analysis. This work shows that controlled loading of plasmonic NPs on a graphene surface is an important aspect for the effective utilization of visible light. In other cases, higher BCFs than predicted from Kow have been seen, e.

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