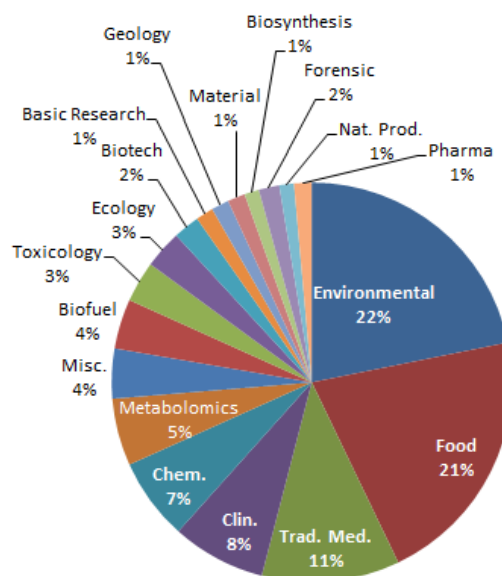


Přehled aplikací GC-MS

Typ MS	Časové období	Celkem	Aplikace	Publikace	Ostatní
Celkem		671	118	513	40
QTOF	2011-2013	33	5	13	15
TQ	2008-2013	172	37	128	7
MSD	Aplikace: 2005-14 Publikace: 2013/14	466	76	372	18

* Zdroj: Google Scholar, e-Library

GC-MS (Q) 5975, 5977 Typy aplikací



GC-MS (Q) 5975, 5977 aplikace pro chemii paliv a biopaliv, petrochemii a geologii

Chemie paliv a biopaliv

- A study of hydrogen pressure during hydrolysis of *Miscanthus x giganteus* and online catalytic vapour upgrading with Ni on ZSM-5
- Efficient coagulation of microalgae in cultures with filamentous fungi
- Optimization of lipid enriched biomass production from oleaginous fungus using response surface methodology
- Secondary amines as switchable solvents for lipid extraction from non-broken microalgae

- **Lignin depolymerisation by nickel supported layered-double hydroxide catalysts**
- **Synthesis of new polyethoxylated tertiary amines and their use as Switchable Hydrophilicity Solvents**
- **Chrysochromulina sp.: A proposed lipid standard for the algal biofuel industry and its application to diverse taxa for screening lipid content**
- **Effects of additional Mg²⁺ on the growth, lipid production, and fatty acid composition of Monoraphidium sp. FXY-10 under different culture conditions**
- **The effect of sodium bicarbonate supplementation on growth and biochemical composition of marine microalgae cultures**
- **Direct conversion of wet algae to crude biodiesel under supercritical ethanol conditions**
- **Biodiesel production from waste cooking oil catalyzed by solid acid SO₄²⁻/TiO₂/La³⁺**
- **Characterization of Bio-Oil Obtained from Sewage Sludge Pyrolysis Catalyzed by Char**
- **Co-Production of Activated Carbon and Bio-Oil from Agricultural Residues by Molten Salt Pyrolysis**
- **Integrated OMICS guided engineering of biofuel butanol-tolerance in photosynthetic Synechocystis sp. PCC 6803**
- **Biomass Gasification in an Air-Blown Down-Draft Gasifier: Determination of Tar Compounds from Producer Gas**
- **Upgrading bio-oil model compounds phenol and furfural with in situ generated hydrogen**
- **Effect of CaO on tar reforming to hydrogen-enriched gas with in-process CO₂ capture in a bubbling fluidized bed biomass steam gasifier**
- **GC/MS Analysis of Trace Fatty Acid Methyl Esters (FAME) in Jet Fuel Using Energy Institute Method IP585**

Energetika

- **Evaluation of amine emissions from the post-combustion CO₂ capture pilot plant**
- **Production of a hydrogen-rich gas from fast pyrolysis bio-oils: Comparison between homogeneous and catalytic steam reforming routes**

Petrochemie

- **Residual Monomers in Polymers by Multiple Headspace Extraction using the Agilent 7697A Headspace Sampler**

Geologie

- **Bacteriohopanoid inventory of *Geobacter sulfurreducens* and *Geobacter metallireducens***
- **Characterization of unusual sterols and long chain diols, triols, keto-ols and n-alkenols in El Junco Lake, Galápagos**
- **The influence of salinity on D/H fractionation in alkenones from saline and hypersaline lakes in continental North America**
- **Terpenoid composition and chemotaxonomic aspects of Miocene amber from the Koroglu Mountains, Turkey**
- **Study of the biodegradation levels of oils from the Orinoco Oil Belt (Junin area) using different biodegradation scales**
- **Role of Ferrocyanides in the Prebiotic Synthesis of α -Amino Acids**