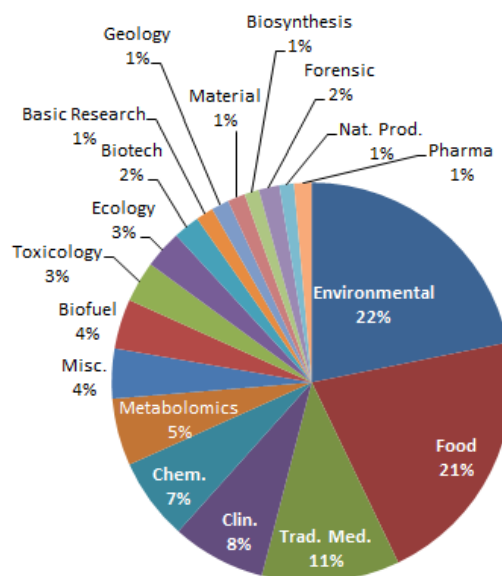


Přehled aplikací GC-MS

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 farmacii a medicínu

Farmacie

- Essential Oil Composition of Five Endemic Hypericum Species from Turkey
- Oxidative aliphatic C-H fluorination with manganese catalysts and fluoride ion
- Fabrication and statistical optimization of a polysaccharide-based sublingual film of buprenorphine hydrochloride for breakthrough pain management: in vitro and in vivo performance
- Metabolism of Bis(4-fluorobenzyl)trisulfide and Its Formation of Hemoglobin Adduct in Rat Erythrocytes
- A Generic Method for the Analysis of Residual Solvents in Pharmaceuticals using Static Headspace-GC-FID/MS

- **Applying the Agilent 5977A MSD to the Analysis of USP<467> Residual Solvents with the 7697A Headspace Sampler and 7890B GC**

Medicína

- **Reliable quantitation of β -hydroxyethoxyacetic acid in human urine by an isotope-dilution GC–MS procedure**
- **Identification of Unique Volatile Compounds of *Aspergillus fumigatus* for Potential Diagnostic Breath Test by HS-SPME and GC-MS**
- **Quantitation of neonicotinoid metabolites in human urine using GC-MS**
- **GC-MS analysis of organic acids in human urine in clinical settings: A study of derivatization and other analytical parameters**
- **Hormone-sensitive lipase deficiency disturbs the fatty acid composition of mouse testis**
- **Trace analysis of alkaline flavors in cut tobacco by heart-cutting multidimensional GC–GC–MS**
- **Metabolomic Characterization of Nipple Aspirate Fluid by ¹H NMR Spectroscopy and GC-MS**
- **Effects of variety and nutrient availability on the acrylamide-forming potential of rye grain**
- **Prenatal Presentation and Diagnostic Evaluation of Suspected Smith–Lemli–Opitz (RSH) Syndrome**
- **Quantitation by GC–MS of Methylglyoxal as a Marker in Anxiety-Related Studies**
- **Analysing exhaled breath during endovenous laser ablation of varicose veins using an electronic nose and gas chromatography-mass spectrometry**
- **Identification of cholesteryl ester of ferulic acid in human plasma by mass spectrometry**
- **Phytoconstituents evaluation by GC-MS and therapeutic efficacy of *Grewiaum bellifera* on streptozotocin (STZ)-induced diabetic rats**
- **Reference ranges for urinary levels of testosterone and epitestosterone, which may reveal gonadal function, in a Korean male population**
- **Comparative chromatography–mass spectrometry studies on the antiretroviral drug nevirapine—Analytical performance characteristics in human plasma determination**
- **Levels of Pesticides and Their Metabolites in Wistar Rat Amniotic Fluids and Maternal Urine upon Gestational Exposure**
- **Effect of transportation and storage using sorbent tubes of exhaled breath samples on diagnostic accuracy of electronic nose analysis**

- **Coregulation of Terpenoid Pathway Genes and Prediction of Isoprene Production in *Bacillus subtilis* Using Transcriptomics**
- **Application of Gas Chromatography/Mass Spectrometry to Therapeutic Monitoring of Valproic Acid**
- **Induction of sarcomas by mutant IDH2**
- **Effect of vancomycin on the cytoplasmic membrane fatty acid profile of vancomycin-resistant and -susceptible isolates of *Staphylococcus aureus***
- **Detection of Alzheimer's and Parkinson's disease from exhaled breath using nanomaterial-based sensors**
- **Oxidative damage and amyloid- β metabolism in brain regions of the longest-lived rodents**
- **Hormone Assays in Biological fluids**
- **Cytochrome P450-mediated metabolic alterations in preeclampsia evaluated by quantitative steroid signatures**
- **A simple breath sampling method in intubated and mechanically ventilated critically ill patients**
- **Lipidomics of hepatic lipogenesis inhibition by omega 3 fatty acids**
- **Changes in steroid metabolism among girls with precocious puberty may not be associated with urinary levels of bisphenol A**
- **Comprehensive profiling analysis of bioamines and their acidic metabolites in human urine by gas chromatography/mass spectrometry combined with selective derivatization**
- **Detection of potential chronic kidney disease markers in breath using gas chromatography with mass-spectral detection coupled with thermal desorption method**
- **Increased De Novo Lipogenesis Is a Distinct Characteristic of Individuals With Nonalcoholic Fatty Liver Disease**
- **Targeted Exposomics: Profiling Urinary Organic Acids**

Tradiční medicína

- **Phytochemical Characterization of *Phagnalon graecum* Boiss. by HPLC and GC-MS with its Enzyme Inhibitory and Antioxidant Activity Profiling by Spectrophotometric Methods**
- **Phyto-chemical profiling of *Cleistanthus collinus* leaf extracts using GC-MS analysis**
- **In vitro ovicidal and larvicidal activity of the essential oil of *Artemisia lancea* against *Haemonchus contortus* (Strongylida)**

- **Pentasaccharide resin glycosides from *Ipomoea cairica* and their cytotoxic activities**
- **Identification of Volatile Components in Grafted *Liquidambar orientalis* Mill**
- **Gas Chromatography-Mass Spectrometry Study from the Leaves Fractions Obtained of *Vernonanthura patens* (Kunth) H. Rob**
- **Comparison of chemical composition of *Aerva javanica* seed essential oils obtained by different extraction methods.**
- **Comparative studies on Turkish and Indian *Centella asiatica* (L.) Urban (gotu kola) samples for their enzyme inhibitory and antioxidant effects and phytochemical characterization**
- ***Phoenix dactylifera* L. spathe essential oil: Chemical composition and repellent activity against the yellow fever mosquito**
- **Chemical composition and bioactivity of essential oils of *Hypericum helianthemoides*, *Hypericum perforatum* and *Hypericum scabrum***
- **Essential oil composition of *Mentha crispata***
- **Composition of Essential Oils from Five Endemic *Hypericum* Species of Turkey**
- **Isolation and characterization of steroids from *Calligonum polygonoides***
- **Compositions of the Essential Oils of *Teucrium cavernarum* and *Teucrium paederotoides*, Two Endemic Species from Turkey**
- **Anthelmintic activity of *Arisaema franchetianum* and *Arisaema lobatum* essential oils against *Haemonchus contortus***
- **Composition, antimicrobial and antioxidant activity of the extracts of *Eryngium palmatum* Pančić and Vis. (Apiaceae)**
- **Chemical constituents of volatile oil from *Pyrolae herba* and antiproliferative activity against SW1353 human chondrosarcoma cells**
- **Volatiles in an endemic *Allium* specie: *Allium tuncelianum* by headspace solid phase microextraction**
- **Chemical Compositions of Essential Oils from Leaves and Flowers of *Salvia ringens* Sibth. et Sm. Growing Wild in Bulgaria**
- **Composition of the essential oils of *Centaurea aphrodisaea*, *C. polyclada*, *C. athoa*, *C. hyalolepis* and *C. iberica***
- **Composition and antimicrobial activity of root essential oil of Balkan endemic species *Eryngium palmatum***
- **Effect of Eucalyptus Oil Inhalation on Pain and Inflammatory Responses after Total Knee Replacement: A Randomized Clinical Trial**
- **Volatile Constituents from Leaves of Endemic *Scutellaria havanensis* Jacq. in Cuba**

- **Effects of drying methods on qualitative and quantitative of the essential oil of Bakhtiari savory (*Satureja bachtiarica* Bunge.)**
- **Characterization of volatiles and anti-ulcerogenic effect of Turkish sweetgum balsam (*Styrax liquidus*)**
- **Comparison of the volatiles of *Daphne pontica* L. and *D. oleoides* Schreber subsp. *oleoides* isolated by hydro- and microdistillation methods**
- **Chemical composition of essential oil from *Calligonum polygonoides* Linn.**
- **The in vivo evaluation of anti-angiogenic effects of *Hypericum* essential oils using the chorioallantoic membrane assay**
- **Comparison of hypoglycemic and antioxidative effects of polysaccharides from four different *Dendrobium* species**
- **Chemical composition and larvicidal activity of essential oil of *Artemisia gilvescens* against *Anopheles anthropophagus***
- **Chemical Investigation and Antimicrobial Activity of Essential Oil from *Carum roxburghianum***
- **Three new neuritogenic steroidal saponins from *Ophiopogon japonicus* (Thunb.) Ker-Gawl**
- **Chemical composition of the essential oil of *Satureja kallarica* Jamzad**
- **Intraspecific Chemical Variability of Essential Oil of *Hoslundia opposita***
- **Antioxidant potential of peel essential oils of three pakistani citrus species: *citrus reticulata*, *citrus sinensis* and *citrus paradisi***
- **Headspace Analyses of Leaf and Flower of *Citrus limetta* (Lemon), *Citrus maxima* (Pomelo), *Citrus sinensis* (Orange), and *Citrus medica* (Cedrum) for Volatile Compounds by CombiPAL System Technique**
- **Variation in antibacterial activity of different ecotypes of *Satureja khuzestanica* Jamzad, as an Iranian endemic plant**
- **Bioassay-Guided Investigation of Two *Monarda* Essential Oils as Repellents of Yellow Fever Mosquito *Aedes aegypti***
- **Environment effect on diversity in quality and quantity of essential oil of different wild populations of kerman thyme.**
- **Comparative analysis of chemical composition of three ecotypes of spearmint (*Mentha spicata* L. (in Isfahan province**
- **Identification of the Components of Sage (*Salvia officinalis* L.) and Thyme (*Thymus vulgaris* L.) Cultivated in Isfahan Climatic Conditions**
- **Sesquiterpene hydrocarbons of the essential oil of *Actinolema macrolema* Boiss**
- **Chemical composition and bioactivity studies of *Alpinia nigra* essential oils**

- **Anti-inflammatory effect of essential oil and its constituents from fingered citron (*Citrus medica* L. var. *sarcodactylis*) through blocking JNK, ERK and NF- κ B signaling pathways in LPS-activated RAW 264.7 cells**
- **The effects of Zibu Piyin Recipe components on scopolamine-induced learning and memory impairment in the mouse**
- **Five New Steroidal Alkaloid Glycosides from *Solanum tuberosum***
- **Essential oil variation, antioxidant and antibacterial activity of mountain fennel (*Zaravschanica membranacea* (Boiss.) M. Pimen.)**