

SUPERCRITICAL WATCH

Your weekly report about supercritical and subcritical processes to make good decisions



Weekly Report : 18th to 25th July 2018

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Events Events

July 20 2018

[08 - 12 August 2018 : 6th International Solvothermal and ...](#)

<https://www.chemistry-conferences.com/.../08%20-%2012%20Sol>.

6th International Solvothermal and Hydrothermal Association Conference ... circumstances including high-pressure solvents/water, supercritical fluids, ionic ...

ISHA 2018 Aug. 8th-12th, 2018
6th International Solvothermal and Hydrothermal Association Conference
Sakura Hall, Tohoku University, & Sendai International Hotel, Japan

SCF Companies SCF Companies

July 24 2018

[Information pro : entretien des textiles, blanchisserie, pressing, laverie ...](#)

www.entretien-textile.fr/

Entretien des textiles : DFD propose aux pressings et blanchisseries son CO2 supercritique ...



July 20 2018

[BioBank se renforce - CFNEWS](#)

<https://www.cfnews.net> > Page Sommaire L'actualité > LBO > Opérations > MBO

la chirurgie réparatrice orthopédique et dentaire en progression annuelle de 5-7 %, avec une technologie performante de traitement au CO2 supercritique des ...



July 18 2018

[Appel à projets dans le domaine des matériaux - J'ai un projet innovant](#)

jaiunprojetinnovant.com/project_calls/appel-a-projets-dans-le-domaine-des-matériaux/

... composites, naturels, Hybrides et nouveaux procédés.

Fonctionnalisation et transformation des matériaux (CO2 Super Critique, Fabrication Additive, smart et ...



Call for project on materials



July 18 2018

[Greenfern Medicinal Marijuana New Zealand](http://greenfernmedicinalmarijuana.nz/)

greenfernmedicinalmarijuana.nz/

Extraction. Supercritical CO2 extraction producing concentrated oil for use in therapeutic products. Hydro power. Located on-premise at a hydro power station.



Web-site up dating of Greenfern company



July 21 2018

[CO2 Extracts Oils - india aroma oils and company](https://www.indiaaroma oils.com/co2-extracts-oils.html)

<https://www.indiaaroma oils.com/co2-extracts-oils.html>

India Aroma Oils and Company is a trusted manufacturer, supplier, exporter, wholesaler, bulk trader of 100% pure CO2 Extracts Oils based in Kanpur, India.



Up-dating of India Aroma oils 's web-site



July 23 2018

[Intro to Extraction Efficiency Series: CO2 Extraction Demonstration](https://www.youtube.com/watch?v=-VaK36jDhwQ)

<https://www.youtube.com/watch?v=-VaK36jDhwQ>

Emerald Scientific's groundbreaking Extraction Efficiency webinar series takes a deep dive into CO2 extraction of cannabinoids to help extraction



July 24 2018

[Renmatix on its multifunctional simple cellulose: 'This is a new-to-the ...](https://www.foodnavigator.com/.../Renmatix-on-its-multifunctional)

[https://www.foodnavigator.com/.../Renmatix-on-its-multifunctional.](https://www.foodnavigator.com/.../Renmatix-on-its-multifunctional)

The US company uses supercritical hydrolysis (see below) to extract cellulose ... Senior research scientist at Renmatix Danilo Cantero, PhD, explained: "If you ...



July 25 2018

[New Laboratory Products - Lab Bulletin](https://www.labbulletin.com/categories/Laboratory-Product-News)

<https://www.labbulletin.com/categories/Laboratory-Product-News>

The technique, which combines Inverse Supercritical Fluid Extraction (I-SFE) and Miniaturized Asymmetrical Flow Field-Flow Fractionation hyphenated with ...



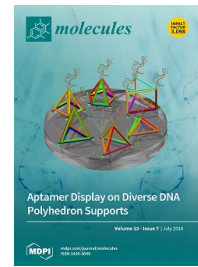
Scientific papers & news
Scientific papers & news

July 23 2018

[Preparation and Application of Standardized Typical Volatile Components Fraction from Turmeric \(*Curcuma longa* L.\)](#)

www.mdpi.com/1420-3049/23/7/1831

A green and reliable method using supercritical fluid extraction (SFE) and molecular distillation (MD) was optimized for the separation and purification of ...



July 18 2018

[Bioactive assay and hyphenated chromatography detection for ...](#)

<https://www.sciencedirect.com/science/.../pii/S0026265X1830701X>

- A supercritical CO₂ extraction device (Fig. S I1, Supplemental information I), HA121-50-01, was supplied by HuaAn Supercritical fluid extraction Co.

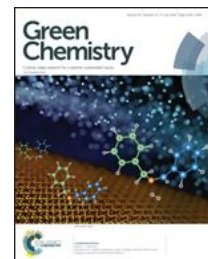


July 23 2018

[Rheology of cellulose-\[DBNH\]\[CO₂Et\] solutions and shaping into ...](#)

pubs.rsc.org/en/Content/ArticleLanding/2018/GC/C8GC01189C

Cellulose aerogel beads were made with JetCutting technology and dried by supercritical CO₂ extraction. Ionic liquid, 1,5-diazabicyclo[4.3.0]non-5-enium ...



July 23 2018

[Recent Algal Research Articles - Elsevier](#)

<https://www.journals.elsevier.com/algal-research/recent-articles>

- Recently published articles from Algal Research. ... Supercritical carbon dioxide extraction and fractionation of lipids from freeze-dried microalgae ...



July 18 2018

[Supercritical carbon dioxide-based technologies for the production of ...](#)

<https://www.sciencedirect.com/science/article/pii/S0169409X18301765>

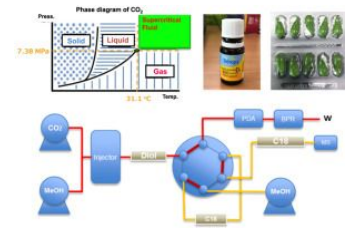
In recent years pharmaceutical processing using supercritical fluids (SCF), ... competition amongst companies, patent limitations and patent expiration of several ...



July 20 2018

[Determination of vitamin D in oily drops using a column-switching system with an on-line clean-up by supercritical fluid chromatography](#)

<https://www.sciencedirect.com/journal/talanta/articles-in-press> - Determination of vitamin D in oily drops using a column-switching system with an on-line clean-up by supercritical fluid chromatography.



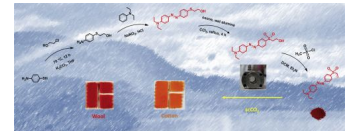
July 21 2018

[green processes in the textile dyeing and finishing - The Online ...](#)
<https://www.tojsat.net/journals/tojsat/articles/v08i03/v08i03-10.pdf>
 use of supercritical fluids in textile dyeing and cleaning,. • use of ozone in bleaching of textiles and also in the treatment of dyeing effluents,. • use of combined ...



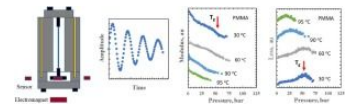
July 24 2018

[Novel sustainable synthesis of dyes for clean dyeing of wool and cotton fibres in supercritical carbon dioxide](#)
<https://www.journals.elsevier.com/journal-of-cleaner.../recent-article>
 Recently published articles from Journal of Cleaner Production. ... synthesis of dyes for clean dyeing of wool and cotton fibres in supercritical carbon dioxide.



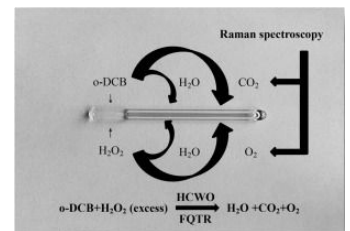
[High-Pressure Torsional Braid Analysis \(HP-TBA\). A new technique for assessment of thermal transitions and changes in moduli of polymers exposed to supercritical or compressed fluids](#)

Original research article
 In Press, Accepted Manuscript, Available online 17 July 2018
 Erdogan Kiran, John C. Hassler
[Source : Science Direct](#)



[Using Raman spectroscopy and a fused quartz tube reactor to study the oxidation of o-dichlorobenzene in hot compressed water](#)

Original research article
 In Press, Accepted Manuscript, Available online 23 July 2018
 Junliang Wang, Yuqing Zhang, Weicheng Zheng, I-Ming Chou, ... Zhiyan Pan
[Source : Science Direct](#)



[A hybrid process for increasing the shelf life of elderberry juice](#)

Original research article
 In Press, Accepted Manuscript, Available online 23 July 2018
 Golnoosh Torabian, Bahareh Bahramian, Alessandro Zambon, Sara Spilimbergo, ... Fariba Dehghani
[Source : Science Direct](#)



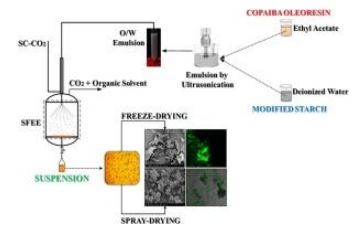
[Production of copaiba \(*Copaifera officinalis*\) oleoresin particles by supercritical fluid extraction of emulsions](#)

Original research article

In Press, Accepted Manuscript, Available online 23 July 2018

José Luis Pasquel Reátegui, Flavia P. Fernandes, Philipe dos Santos, Camila A. Rezende, ... Julian Martínez

[Source : Science Direct](#)



SCF
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July 21 2018

[Diamond CBD Review & Coupon Code \(2018 Update\) - iSum](#)

<https://isum.com/diamond-cbd-review/>

Nonetheless, what we value the most about Diamond CBD is that the company uses supercritical CO2 extraction to obtain the CBD, which is then tested with the ...



July 20 2018

[Saw Palmetto Gold by NutriGold®](#)

<https://nutrigold.com/Saw-Palmetto>

The extract used in Saw Palmetto Gold is clinically proven to help support healthy prostate function. ... USA Grown, Clinically Proven, Supercritical CO2 Extract.



July 21 2018

[Extracts – Herbal Flame](#)

<https://amazingbotanicals.net> > Extracts

Kava 30% Extract Powder 1 oz. \$10.00 Add to cart · Kava Root Supercritical CO2 Extract 80% Kavalactones Paste. \$9.99 – \$79.99 Select options ...



July 22 2018

[Minami Nutrition Supercritical Platinum Omega-3 Fish Oil - Orange 30 ...](#)

<https://www.swansonvitamins.com/minami-nutrition-morepa-platin>

...
MorEPA Platinum is an ultra premium omega-3 supplement utilizing dual supercritical CO2 extraction technology that delivers omega-3 nutrition along with more



Extended technologies
Extended technologies

July 24 2018

[Alternatives for Chemical and Biochemical Lignin Valorization ... - MDPI](#)

www.mdpi.com/2227-9717/6/8/98/pdf

Pretreatment processes drive the fractionation of the lignocellulosic biomass into the Sub-critical and super-critical water can depolymerize lignin into its ...

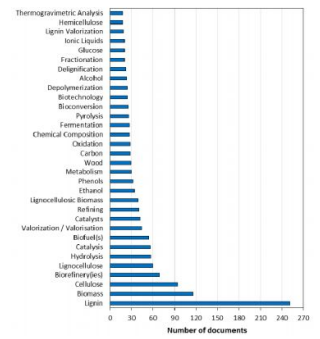


Figure 2. Most frequently used keywords.

If information about event, company, scientific articles appear on the Internet several times (either on one week or one month) : the piece of information will be placed only once in the Supercritical Watch Weekly Report.

Due to the huge number of data editing or up-dating every week on CBD process, products, consumer advice : only a selection of news is done and reported in the Supercritical Watch Report.

Comments or advice on web article lecture is provided through the following icon : 