

SUPERCRITICAL WATCH

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



Weekly Report : 25th July to 1st August 2018

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Events
Events

July 27 2018

[Conferences | nanohybrids.eu](#)

nanohybrids.eu/news/category/events/conferences/

Post Tagged with advanced porous materials, aerogels, award, **conference**, ... 12th International Symposium on **Supercritical Fluids**: NanoHybrids partners ...



Reminding of 4th International Seminar on Aerogel, which will be held in September 2018, Hambourg



July 29 2018

[HPLC 2018 - 48th International Symposium and Exhibit on High ...](#)

<https://machprinciple.com/conference/.../HPLC-2018--48th-Interna>

...

The **conference** program is guided by emerging trends in separations ... capillary electrophoresis, **supercritical** fluidic chromatography, microfluidics, and mass ...



July 31 2018

[KPrime Technologies @KPrimeTech](#)

Hello KPrime Community! Agilent extends your application reach with new technology advances in **supercritical** fluid chromatography (SFC). Find out more and register for this webinar at:

<http://view6.workcast.net/register?cpak=9826423883434890&sf194605430=1>



Announcement for Webinar on SCF Chromatography for Agilent Product - Detected on Twitter



SCF
Companies
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Companies

July 27 2018

[Valensa – Enhanced Health Company](#)

valensa.com/

... (Deep Extract[®] **Supercritical** CO2 and O2B[®] Peroxidation Blocker stabilization.) ... Emergency **Meeting**-Valensa International to Address State Officials. 07.27.



Valensa use Supercritical CO2 for extraction of saw palmetto. Article is focused on new regulations for saw palmetto in USA.



July 29 2018

[Submicron Particle Production Technology Platform - NanOlogy, LLC](#)

<https://www.nanology.us/>

... prescribed systemic chemotherapies, our **patented** submicron particle production technology platform uses sonic energy and **supercritical** fluid carbon dioxide ...



Web-site updating of NanOlogy using Supercritical CO2 for medicines



July 30 2018

[Vitalis Extraction Technology Adds Ten New Hires in Ten Days ...](#)

<http://www.globenewswire.com/news-release/2018/07/30/1543934/0/en/Vitalis-Extraction-Technology-Adds-Ten-New-Hires-in-Ten-Days-Doubles-Production-Capacity-Expands-Footprint.html>

Vitalis Extraction Technology Adds Ten New Hires in Ten Days, Doubles Production Capacity, Expands Footprint



July 30 2018

[KNOX @knoxmedical](#)

As a naturally occurring molecule, #CO2 poses no harm to patients and as a natural solvent, it won't leave behind trace amounts of toxins or contaminants 🚰 #CO2extraction #CannabisOils #CannabisIndustry #CannabisLogic

Detected on Twitter ; Knox Medical is specialized in CBD



July 28 2018

[Supercritical Fluids - TEMPRESKO](#)

www.tempresko.com/botanicals.html

Supercritical Fluid Extraction is the process of separating one component ... CO2 Extraction provides a safer, **cleaner**, purer & faster way to extract botanical oils.



TEMPRESKO



Web-page up-dating of TEMPRESKO Company provide small devices for Supercritical Equipment

Scientific papers & news
Scientific papers & news

July 31 2018

[Supercritical Water Oxidation \(SCWO\) Technician - Academic Jobs ...](#)

<https://academicjobsonline.org/ajo/jobs/11533>

The **Supercritical** Water Oxidation (SCWO) system has been built to provide a clean, sustainable and affordable decentralize sanitation solution for the ...

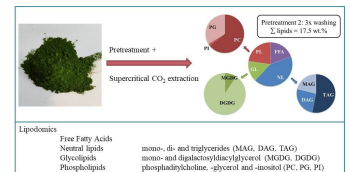


July 25 2018

[Supercritical CO2 Extraction of Nannochloropsis sp.: A Lipidomic Study on the Influence of Pretreatment on Yield and Composition](#)

www.mdpi.com/1420-3049/23/8/1854

In this paper, we investigated the influence of different pretreatments on lipid extraction with **supercritical** CO2 by a lipidomic approach. Pretreatment was found ...



July 31 2018

[Supercritical carbon dioxide extraction of lycopene from tomato ...](#)

<https://www.sciencedirect.com/science/article/.../S02608774183033...> **Supercritical carbon dioxide (SC-CO2) extraction** of lycopene from tomato processing byproducts, namely, tomato peel and seed, was mathematically modeled.

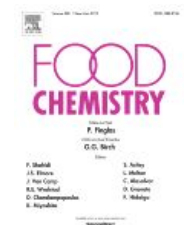


July 27 2018

[The influence of the extraction temperature on polyphenolic profiles ...](#)

<https://www.sciencedirect.com/science/article/.../S03088146183131...>

The main goal of this research was to determine the relationship among chemical structure, bioactivity and temperature of chamomile during **subcritical water** ...



[Isolation of spilanthol from Acmella oleracea based on Green Chemistry and evaluation of its in vitro anti-inflammatory activity](#)

Original research article

In Press, Accepted Manuscript, Available online 30 July 2018
Veronica Santana de Freitas Blanco, Barbara Michalak, Ícaro Augusto Maccari Zelioli, Adriana da Silva Santos de Oliveira, ...
Rodney Alexandre Ferreira Rodrigues

[Source : Science Direct](#)



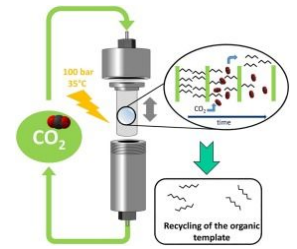
[Toward a sustainable preparation of tunable mesoporous silica](#)

Original research article

In Press, Accepted Manuscript, Available online 27 July 2018

Eric Prouzet, Andrew Kacheff, Guillaume Aubert, Ahmed Bentaleb, ... Cyril Aymonier

[Source : Science Direct](#)



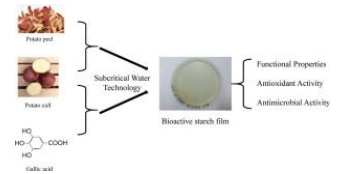
[Use of Potato By-products and Gallic Acid for Development of Bioactive Film Packaging by Subcritical Water Technology](#)

Original research article

In Press, Accepted Manuscript, Available online 26 July 2018

Yujia Zhao, Marleny D.A. Saldaña

[Source : Science Direct](#)



[Production of PEA composite microparticles with polyvinylpyrrolidone and luteolin using Supercritical Assisted Atomization](#)

Original research article

In Press, Accepted Manuscript, Available online 26 July 2018

Renata Adami, Sara Liparoti, Alessia Di Capua, Mariarosa Scognamiglio, Ernesto Reverchon

[Source : Science Direct](#)



SCF
Products
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July 26 2018

[Organic Supercritical CO2 Extracts - Lotus Garden Botanicals](#)

https://www.lgbotanicals.com/Organic-CO2-Extracts_c_72.html

Lotus Garden Botanicals™ offers two types of **extracts**, **Co2 Select** and **Co2 Total**. **CO2 extract** oils are produced using liquid **carbon dioxide** as the solvent.

Web-site page up-dating on CO2 extracts description sold through Lotus Garden Botanicals



July 27 2018

[Coffee flavor extracts that make your products naturally better - Evonik](#)

<https://extraction.evonik.com/product/.../coffee-extraction.pdf>

Supercritical fluid extraction (SFE) using carbon dioxide (CO₂) is the answer ... **Clean**labeling, enhanced end-product value and image. • Exceptional shelf life.

Data sheet on coffee CO₂ extracts for B to B industries



July 27 2018

[Super Critical Fluid\(SCF\) Extract Products | Sabinsa Corporation](https://www.sabinsa.com/products-and-services/scfe-products/)

<https://www.sabinsa.com/products-and-services/scfe-products/>
Super critical fluid extract products, black cumin SCFE, Ginger SCFE, guggulipid, rosemary, tulsi, Sabinsa Corporation.



Web-page up-dating of CO2 extracts list from Sabinsa Company



Extended technologies
Extended technologies

July 26 2018

[Colorants textiles: croissance du marché, pression environnementale ...](https://www.modeintextile.fr/colorants-textiles-croissance-marche-pression-environnementale...)

<https://www.modeintextile.fr/colorants-textiles-croissance-marche-pression-environnementale...>

L'innovation est un relais important de croissance pour les fabricants, avec des technologies en croissance comme la teinture au CO² **supercritique**, mais aussi ...



Article from French Textile Institute about textile dying including new techniques as CO2 sc



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 : 