

SUPERCRITICAL WATCH

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



Weekly Report : 1st to 8th November 2018

| Collect and sorting of relevant data | All links are checked | **Subscribe now !**

SCF Companies

Scientific paper & news

SCF Products market

Extended technologies

Events

November 5 2018

[Polymorphism and Crystallization Conference - Scientific Update - UK](https://www.scientificupdate.com/conference...conference/201904)

<https://www.scientificupdate.com/conference...conference/201904>

...
Conferences, training and consultancy for organic chemists and chemical ... as giving insight into new techniques (supercritical fluids, polymorph prediction, etc), ...



SCF companies

November 2 2018

[Flavex poursuit son développement d'extraits CO2 biologiques ...](https://ingrebio.fr/2018/11/.../flavex-poursuit-developpement-extraits-co2-biologiques...)
<https://ingrebio.fr/2018/11/.../flavex-poursuit-developpement-extraits-co2-biologiques...>

Spécialiste de l'extraction au CO2 supercritique, le fournisseur allemand FLAVEX Naturextrakte a développé deux nouveautés qu'il mettra en avant au prochain ...



Flavex commercialize two news extract called as clean label and will show them at next HIE Fair in Frankfort



November 2 2018

[Supercritical fluid extraction technology and its application in food](https://www.hagf.com/.../Supercritical_fluid_extraction_technology..)

https://www.hagf.com/.../Supercritical_fluid_extraction_technology..

Abstract: Supercritical fluid extraction technology has attracted extensive attention as a new and green extraction process. Compared with traditional extraction ...



Up-dating of web-site page of Hongbo Machinery company which sells supercritical equipment



November 3 2018

[Meet with Crystec at BIO-Europe Spring, Amsterdam \(5th - 7th ...
www.crystecpharma.com/.../meet-with-crystec-at-bio-europe-sprin](http://www.crystecpharma.com/.../meet-with-crystec-at-bio-europe-spring)

...
If you would like to learn more about supercritical fluid particle engineering and how our modified Supercritical Anti-solvent (mSAS) technology could add value ...



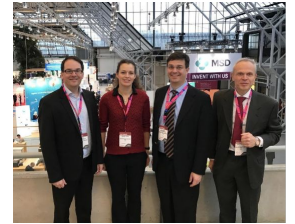
November 6 2018

[Nanoform Finland Ltd. | LinkedIn
https://www.linkedin.com/company/nanoform](https://www.linkedin.com/company/nanoform)

Nanoform Finland Ltd has developed a proprietary technology called Controlled Expansion of Supercritical Solutions (CESS) that allows nanonization of drug ...



Nanoform will be in BioEurope - detected on LinkedIn



November 6 2018

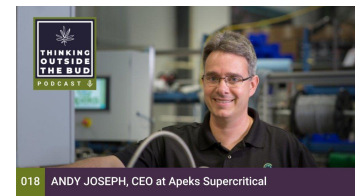
[@beckfeldt](https://twitter.com/beckfeldt)

Join Andy Joseph, CEO at Apeks Supercritical as he talks about Apeks CO2 extraction systems -- a cleaner, safer, purer, and faster way to extract plant oils.



Detected on twitter - direct link to video :

<https://www.thinkingoutsidethebud.com/podcast/018-andy-joseph>



November 6 2018

[Sustainable extraction with carbon dioxide - URACA GmbH & Co. KG](https://www.uraca.com)

<https://www.uraca.com> › Home › Infocenter › Know-how

Supercritical CO2 extraction is common practice in the processing of hops for brewing beer. Highly-specialised high pressure plunger pumps are used for this ...



Up-dating of web-site page of URACA company which sells high-pressure pump



November 8 2018

[Supercritical CO2 Extraction | Benzinga](#)

<https://www.benzinga.com/topic/supercritical-co2-extraction>

Canada-based MediPharm Labs (OTC:MLCPF) announced Wednesday that it completed the purification and production of 150,000 grams — 331 pounds — of ...



Have a look also on the video on youtube :

<https://www.youtube.com/watch?v=HAzs2xhbHgM>



Scientific news & papers

November 1 2018

[Investigation into Off-Design Performance of a S-CO2 Turbine ... - MDPI](#)

<https://www.mdpi.com/1996-1073/11/11/3014/pdf>

Supercritical carbon dioxide (S-CO2) has been applied to solar power plants due to its In Proceedings of the 8th International Conference on Applied. Energy ...

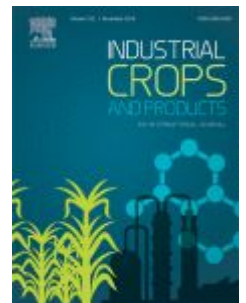


November 2 2018

[Application of an artificial neural network model for the supercritical ...](#)

https://www.researchgate.net/.../325923238_Application_of_an_art...

Application of an artificial neural network model for the supercritical fluid extraction of seed oil from Argemone mexicana (L.) seeds. Article in Industrial Crops ...

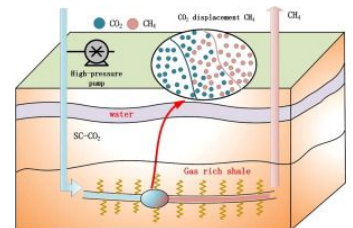


November 5 2018

[A review of microscopic seepage mechanism for shale gas ... - X-mol](#)

www.x-mol.com/paper/878815

Shale gas exploitation with supercritical CO2 is a promising technology that not only improve gas recovery but also achieve geological storage of CO2.



November 8 2018

Highly efficient production of graphene by an ultrasound coupled with ...

<https://pubs.acs.org/doi/abs/10.../acs.iecr.8b04113?mi...>

- A novel approach of exfoliation graphite into graphene using an ultrasound coupling with a shear mixer in supercritical CO₂ was presented in this paper.

November 8 2018

Berry juice processing by-products could reduce the risk of cancer

<https://en.ktu.edu.../berry-juice-processing-by-products-could-red...>

Research group lead by Prof Venskutonis are investigating the properties of ... and methods such as supercritical carbon dioxide extraction are being used.

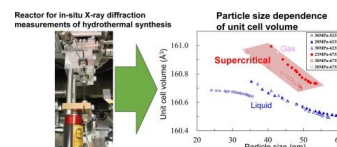


Hydrothermal reactor for in-situ synchrotron radiation powder diffraction at SPring-8 BL02B2 for quantitative design for nanoparticle

Tomoki Fujita, Hidetaka Kasai, Eiji Nishibori

In Press, Corrected Proof, Available online 2 November 2018

Source Science Direct

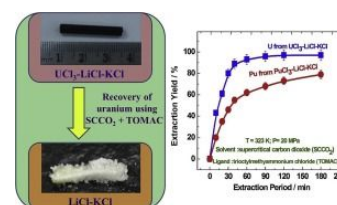


Recovery of uranium and plutonium from pyrochemical salt matrix using supercritical fluid extraction

K.C. Pitchaiah, K. Sujatha, J. Deepitha, Suddhasattwa Ghosh, N. Sivaraman

In Press, Accepted Manuscript, Available online 2 November 2018

Source Science Direct

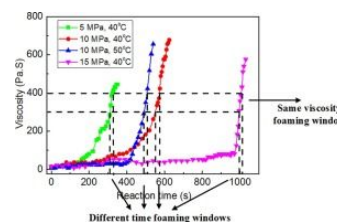


Foaming window for preparation of microcellular rigid polyurethanes using supercritical carbon dioxide as blowing agent

Ze Yang, Tao Liu, Dongdong Hu, Zhimei Xu, Ling Zhao

In Press, Accepted Manuscript, Available online 3 November 2018

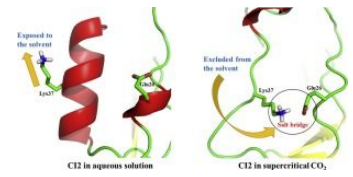
Source Science Direct



[The molecular mechanism of protein denaturation in supercritical CO₂: The role of exposed lysine residues is explored](#)

Hassan Monhemi, Mohammad Reza Housaindokht
In Press, Accepted Manuscript, Available online 5 November 2018

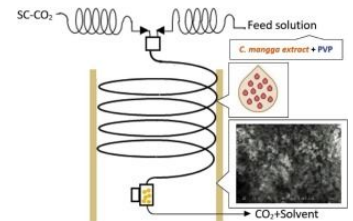
Source Science Direct



[Particle Micronization of Curcuma mangga Rhizomes Ethanolic Extract/Biopolymer PVP using Supercritical Antisolvent Process](#)

Sarah Duta Lestari, Siti Machmudah, Sugeng Winardi, Wahyudiono, ... Motonobu Goto
In Press, Accepted Manuscript, Available online 5 November 2018

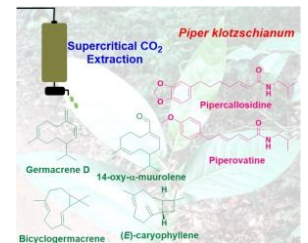
Source Science Direct



[Extraction from Leaves of Piper klotzschianum using Supercritical Carbon Dioxide and Co-Solvents](#)

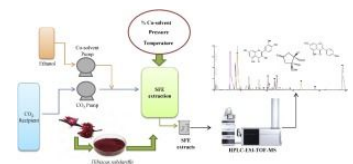
Rafaely N. Lima, Aduino S. Ribeiro, Lucio Cardozo-Filho, Diógenes Vedoy, Pericles B. Alves
In Press, Accepted Manuscript, Available online 7 November 2018

Source Science Direct



[Supercritical CO₂ extraction of bioactive compounds from Hibiscus sabdariffa](#)

Sandra Pimentel-Moral, Isabel Borrás-Linares, Jesús Lozano-Sánchez, David Arráez-Román, ... Antonio Segura-Carretero
In Press, Accepted Manuscript, Available online 8 November 2018
Source Science Direct



SCF markets & products

November 4 2018

[Frankincense Carteri CO₂ Extract: Essential Oils | Plant Therapy](#)

<https://www.planttherapy.com> › Home › Essential Oils › Singles
Product Details. Botanical Name: Boswellia carteri. Country of Origin: Germany, Somalia. Extraction Method: Supercritical CO₂ Extraction. Plant Part: Gum Resin.



November 5 2018

[Meilleurs suppléments de curcuma - Top 10 Brands Classé pour 2018 ...](#)

<https://fr.top10supplements.com> > Herbal > Turmeric

320 mg extrait hydro-éthanol de curcuma; 80 mg extrait supercritique de ..., ...



2 Curcuma Food Supplements contains supercritical CO2 extract (number 2 and number 3) - others may also contain CO2 extract but did not write it on their ingredient list.



November 4 2018

[New Chapter Cinnamon Force. Vegetarian Capsules | Walgreens](#)
<https://www.walgreens.com> > ... > Herbs > Cinnamon

New Chapter® helps deliver the wisdom of whole food. Using only natural supercriticalCO2 or traditional techniques of extraction, our Force extracts maintain ...



November 6 2018

[ILSA S.p.A. | LinkedIn](#)

<https://www.linkedin.com/company/ilsa-group-spa>

- Collagen and plants from the Fabaceae (Leguminosae) family are the raw material, #enzymatic #hydrolysis and #supercritical CO2 extraction are the processes.



original article is available here :

<https://www.ilsagroup.com/en/news/789/good-to-know-unique-matrixes-and-technologies-for-unique-bio-stimulants.htm>



Extended technologies

November 3 2018

[GreenTech : l'innovation peut-elle être verte ? « Futurapolis 2018](#)
<https://www.futurapolis.com/sessions/greentech-innovation-verte/>

Spécialiste de la « chimie verte », il a publié La Chimie d'une planète durable, en 2012. Morgane Barthod, diplômée de l'Ecole polytechnique et de l'Ecole ...



Public conference on greentech and innovation



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 icone : 