

SUPERCRITICAL WATCH

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



Weekly Report : 8th to 15th November 2018

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SCF Companies

Scientific paper & news

SCF Products market

Extended technologies

Events

November 11 2018

[July 7-10, 2019 • Baltimore, MD• USA Hyatt ... - PREP Symposium](#)

prepsymposium.org/documents/PREP2019_Announcement2.pdf

international scientific conference and exposition driving the field of Preparative and Process Chromatography, ... Supercritical Fluid Chromatography (SFC).



November 11 2018

[News & Conferences - Supercritical Fluid TechnologiesSupercritical ...](#)

www.supercriticalfluids.com/news-conferences/

Alfatech S.p.A, in collaboration with Supercritical Fluid Technologies, Inc (USA) and the department of Environmental Sciences and Policies of the University of Milan, with the patronage of the Lombardy Green Chemistry Association is hosting a Supercritical Fluid Extraction Seminar at Milano University in Italy on the 22nd of November 2018. The seminar...



SCF companies

November 8 2018

[The experiment of extracting decaffeinated from tea with Supercritical co2 extraction machine better shanghai](#)

Japanese customers need to extract decaffeinated from tea, and we used the Supercritical co2 extraction machine to do extraction

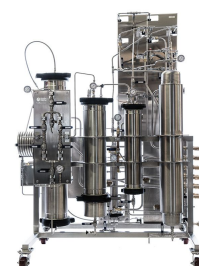


November 9 2018

[What is supercritical fluid extraction? Cosmetics Business finds out](#)

<https://www.cosmeticsbusiness.com/...supercritical.../148855>

The low environmental impact and high extraction yields of supercritical fluid extraction have made it a popular processing technique for cosmetic ingredients.



November 9 2018

[Newly designed 150LX2 Supercritical Co2 Extraction Machine for Specially for CBD extraction](#)

[He Betty](#)

Newly designed 150LX2 Supercritical Co2 Extraction Machine for Specially for CBD extraction.



November 9 2018

[À chaque génération, nous avons dû faire un choix"](#)

On a collaboré avec elle pour mettre au point un procédé révolutionnaire exploitant les propriétés du CO2 supercritique pour extraire les composés volatils du



General article on Leclerc company using and treating cork stopper quoting Diam bouchage as partner to develop supercritical CO2 cork stopper



November 12 2018

[Plastic foaming machine by Nanjing Chuangbo Machinery Co.,LTD](#)

[Chuangbo Machinery](#)

Above video shows our super-critical CO2 Foam extrusion Machine line Advantages of our super-critical CO2 foam extrusion



November 15 2018

[Start-up de la semaine : Agri Land, pionnier dans la production d](#)
<https://www.jeuneafrique.com/.../start-up-de-la-semaine-agri-land-pionnier-dans-la-pr...>

Le procédé d'extraction utilisé, au CO2 supercritique, est une première en Tunisie. Le site flambant neuf d'Agri Land, situé au milieu de 50 000 hectares de ...



AgriLand, new company in Tunisia proceeding supercritical CO₂ extraction for natural products



November 15 2018

[Supercritical extraction pump](#)

[Suncenter Group William](#)

Supercritical extraction pump, supercritical extraction gas booster pump, CO2 extraction pump, For more details, please visit ...



Scientific news & papers

November 8 2018

[La Talaudière - 42350 - Loire : marchés publics et appels d'offres](https://centraledesmarches.com/villes/42350-talaudiere)
<https://centraledesmarches.com/villes/42350-talaudiere>

La présente mise en concurrence porte sur l'acquisition d'un système d'alimentation en CO₂ supercritique. Autres marchés | Procédure adaptée > à 90000 € HT



Public call offer for a CO₂ alimentation system for University of Jean Monnet (St Etienne)

November 14 2018

[Project meeting of the EU project NanoHybrids on November 14 and](https://tutech.de/en/meeting-nanohybrids-11-2018/)

<https://tutech.de/en/meeting-nanohybrids-11-2018/>

- Project meeting of the EU project NanoHybrids on November 14 and 15, 2018 ... the most downloaded articles in the prestigious Journal of Supercritical Fluids.

[Single-step disperse dyeing and antimicrobial functionalization of polyester fabric with chitosan and derivative in supercritical carbon dioxide](#)

Molla Tadesse Abate, Ada Ferri, Jinping Guan, Guoqiang Chen, ... Vincent Nierstrasz

In Press, Corrected Proof, Available online 8 November 2018

Source Science Direct

[Production of Loratadine Drug Nanoparticles Using Ultrasonic-Assisted Rapid Expansion of Supercritical Solution into Aqueous Solution \(US-RESSAS\)](#)

Gholamhossein Sodeifian, Seyed Ali Sajadian, Nedasadat Saadati Ardestani, Fariba Razmimanesh

In Press, Accepted Manuscript, Available online 10 November 2018

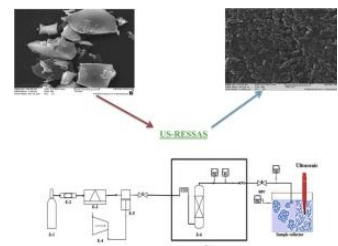
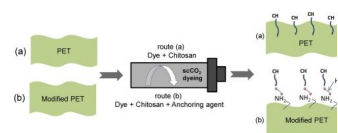
Source Science Direct

[Hydrogen gas-free processes for single-step preparation of transition-metal bifunctional catalysts and one-pot \$\gamma\$ -valerolactone synthesis in supercritical CO₂-ionic liquid systems](#)

Haixin Guo, Yuya Hiraga, Xinhua Qi, Richard Lee Smith

In Press, Accepted Manuscript, Available online 12 November 2018

Source Science Direct

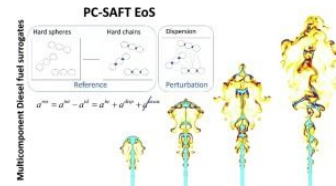


Simulation of supercritical Diesel jets using the PC-SAFT EoS

C. Rodriguez, P. Koukouvini, M. Gavaises

In Press, Accepted Manuscript, Available online 13 November 2018

Source Science Direct



Pectin methylesterase inactivation by High Pressure Carbon Dioxide (HPCD)

Ó. Benito-Román, M. Teresa Sanz, Alba E. Illera, R. Melgosa, ...

Sagrario Beltrán

In Press, Accepted Manuscript, Available online 13 November 2018

Source Science Direct

SCF markets & products

November 11 2018

Huile de CBD 10% WEAZY : un apport fort de CBD de qualité

<https://www.hexagonevert.fr> > Boutique > Huile de CBD

Afin de proposer une extraction de CBD de qualité, saine et pure, ce dernier est extrait par CO₂ Supercritique, afin de conserver l'ensemble de ses propriétés.



CBD oil sold in France mixing CBD extracted by sc CO₂ in Europe and oil from France.



November 8 2018

Saw Palmetto Gold by NutriGold®

<https://nutrigold.com/products/saw-palmetto-gold>

- Saw Palmetto Gold features a natural, exceptionally pure source of saw palmetto extracted from US-grown Serenoa repens using a supercritical, solvent-free ...



November 10 2018

Natural Factors, OmegaFactors, Ultra Prim, Evening Primrose Oil

<https://herb-shop.fr/natural-factors-omegafactors-ultra-prim-evening-g-primrose-oil-100...>

... et un nouveau chapitre, le premier producteur mondial de gingembre, ajoute le gingembre supercritique pour maximiser la récupération des radicaux libres et ...



Technical Data sheet of this food supplement quoting health benefits of the use of ginger produced through sc CO₂ (at the end of the document)



November 13 2018

[Et ainsi naquit le gin 100% grassois... | Tribuca](https://tribuca.net/detente_40304479-et-ainsi-naquit-le-gin-100-grassois)

https://tribuca.net/detente_40304479-et-ainsi-naquit-le-gin-100-grassois

vide et une extraction par un fluide supercritique qui utilisent sensiblement moins d'énergie et de ressources naturelles que la distillation de gin traditionnelle.



Gin made 100% in Grasse with different technique including supercritical CO₂



Extended technologies

November 13 2018

[Du thé naturellement sans caféine découvert en Chine](https://www.futura-sciences.com/.../plante-naturellement-cafeine-decouvert-chine-735...)

<https://www.futura-sciences.com/.../plante-naturellement-cafeine-decouvert-chine-735...>

Le problème, c'est que les procédés chimiques utilisés pour la décaféination (solvants chimiques ou CO₂ supercritique), outre le fait qu'ils sont coûteux, ...



General public on a discover on a new type of Tea that did not contain theine.



November 12 2018

[Romuald Vallée, directeur scientifique et industriel de CODIF ...](https://www.iodysseus.org/romuald-vallee-directeur-scientifique-et-industriel-de-codif...)

<https://www.iodysseus.org/romuald-vallee-directeur-scientifique-et-industriel-de-codif...>

- Illustration, la même année 2016 CODIF réalise une première mondiale en utilisation des fluides supercritiques pour la dépolymérisation de furcellaranes issus ...



New project of Codif, french company for growing of algae. in this article, it is reminded that codif has been a pioneer by using sc fluids extraction thanks to HITEX.



IODYSSEUS



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 :