

SUPERCRITICAL WATCH

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



Weekly Report : 28th March to 4th April 2018

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Events Events

April 1 2018

[Recherches sur la Mécanique des Fluides Numérique et du Génie des ...](#)

www.m2p2.fr/recherche-m2p2-19/

Ce projet piloté par notre laboratoire fédère quatre UMR de l'Université, le Mésocentre et le CEA IRFM autour d'un effort pour la modélisation des plasmas de fusion par confinement magnétique. 4 avril 2018 - Développement de procédés propres utilisant le co2 supercritique/ Soutenance HDR Christelle CRAMPON



SCF Companies SCF Companies

March 31 2018

[Les actualités | Pierre Fabre](#)

<https://www.pierre-fabre.com/fr/actualites/un-part-enariat-entre-pierre-fabre-et-novalix-ouvre-laces-a-la-vaste-collection-de>

Les Laboratoires Pierre Fabre et NovAliX ont annoncé ce jour la signature d'un partenariat visant à associer la « Natural Fragment Library » (NFL) à des méthodes biophysiques et des techniques de criblage développées par NovAliX



Pierre Fabre Laboratories sign a partnership agreement with NovAliX company to open acces to Natural Fragment Library



March 31 2018

Supercritical Fluid CO2 Extraction Equipment

Tradematt (Henan)



Website updating of Tradematt, China Company



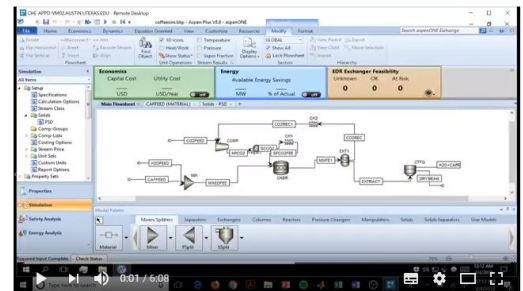
April 3 2018

Supercritical Fluid Extraction of Coffee Beans

Aspen Simulation ...

<https://www.youtube.com/watch?v=VdfzUA1-E2M>

Il y a 7 heures - Ajouté par The Four Extracteurs
Aspen Simulation Part of Series defining vital features to create working simulation on aspen and obtain results ...

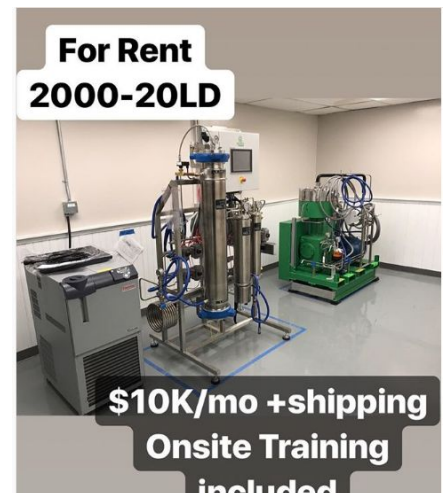


April 4 2018

Apeks Supercritical @ApeksFab

https://www.instagram.com/p/BhIM2a_ncEJ/

2000-20LD rentals now available! \$10K for 3 months minimum plus shipping, or \$15K for 1 month...



April 4 2018

[Applied Separations @GreenIAmSCF](https://www.appliedseparations.com/scf-education-al-grant.html)

<http://www.appliedseparations.com/scf-education-al-grant.html>

Teach Supercritical Fluids FREE! Grant
Application Deadline April 30 -



April 4 2018

[TECHNICIEN CHIMISTE \(H F\). Emploi industrie et Production ...](http://www.vivastreet.com/emploi-fonction-industrie/lab-oulbene-81100/...-/179754493)

www.vivastreet.com/emploi-fonction-industrie/lab-oulbene-81100/...-/179754493

-extraction et purification d'ingrédients : mise en oeuvre de phases solvant d'extraction innovantes, utilisation de fluides supercritiques pour l'extraction et/ou la purification de composés -mise au point de procédés de synthèse d'excipients en conditions supercritiques -garantir la traçabilité des essais -préparation des ...



April 3 2018

[CannaTech Conference proves to be a success in Israel - Born2Invest](https://born2invest.com/articles/cannatech-conference-success-israel/)

<https://born2invest.com/articles/cannatech-conference-success-israel/>

Through a process called supercritical CO2 extraction, the companies are able to fully isolate CBD from cannabis plants to create the purest oils. The CBD oil gathered is used in the production of top products for Diamond CBD, combined with other ingredients that are all natural, organic and non-GMO. Their selection ...



Scientific papers and news
scientific papers and news

April 3 2018

[Soutenance de thèse de Monsieur CREPIER Julien \(ED Chimie ...](#)

<https://www.univ-lyon1.fr/.../soutenance-de-these-de-monsieur-crepier-julien-ed-chim...>

Soutenance de thèse de Monsieur CREPIER Julien (ED Chimie). La chromatographie en phase supercritique couplée à une détection UV et spectrométrie de masse haute résolution: application aux bio huiles. IFPEN - DIRECTION DE PHYSIQUE ET ANALYSE. Membres du jury : Monsieur CARDINAEL Pascal, Professeur ...



Université Claude Bernard  Lyon 1

April 1 2018

[Recherches sur la Mécanique des Fluides Numérique et du Génie des ...](#)

www.m2p2.fr/recherche-m2p2-19/

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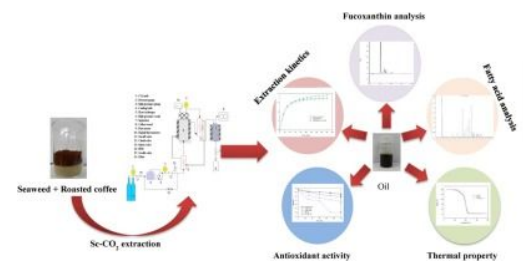


March 31 2018

[Concurrent extraction of oil from roasted coffee \(Coffea arabica\) and ...](#)

<https://www.sciencedirect.com/science/article/.../S22129820173083...> -

- The present study aimed to extract carotenoid from brown seaweed, Saccharina japonica (SJ) and oil from roasted coffee (RC) concurrently using supercritical carbon dioxide and evaluate its characteristics. Response surface methodology was employed to determine the optimum conditions for the extraction of oil with ...



March 31 2018

[Supercritical water treatment of heavy metal and ... - GeenMedical](#)

geenmedical.com/article/29609106

In this study, *Pteris vittata* L., an As-hyperaccumulator biomass was treated by an effective and environmental friendly method-supercritical water gasification (SCWG) using a bench-scale batch reactor. The contents of heavy metals (Cd, Pb and Zn) and arsenic metalloid in solid, liquid and gaseous products during SCWG ...



[Effect of wavelength in laser-assisted synthesis of silver nanoparticles by supercritical deposition technique](#)

In Press, Accepted Manuscript, Available online 3 April 2018

Vladimir Arakcheev, Victor Bagratashvili, Alexey Bekin, Dmitry Khmelenin, ... Alexey Rybaltovsky

[Source : Science Direct](#)



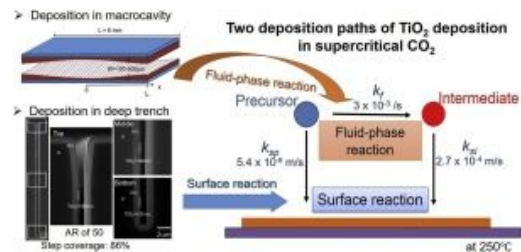
[Kinetic effects of methanol addition on supercritical fluid deposition of TiO2](#)

Original research article

In Press, Accepted Manuscript, Available online 3 April 2018

Yu Zhao, Kyubong Jung, Yusuke Shimoyama, Yukihiro Shimogaki, Takeshi Momose

[Source : Science Direct](#)



[Caryophyllene oxide extraction from lemon basil \(*Ocimum citriodorum* Vis.\) straw by hydrodistillation and supercritical CO2](#)

Original research article

In Press, Accepted Manuscript, Available online



28 March 2018

Somkiat Ngamprasertsith, Jaripong Menwa,
Ruengwit Sawangkeaw

[Source : Science Direct](#)

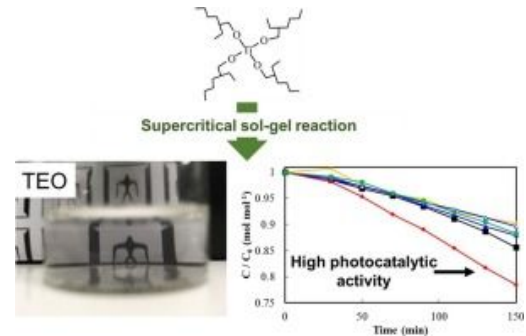
[Photocatalytic activity of mixed-phase titanium oxide synthesized by supercritical sol-gel reaction](#)

In Press, Accepted Manuscript, Available online

28 March 2018

Motohiro Kinoshita, Yusuke Shimoyama

[Source : Science Direct](#)



SCF
Products
Market
SCF
Products
Market

March 25 2018

[Le peeling de nuit- L'Observatoire des Cosmétiques - Zoom ...](#)

<https://cosmeticobs.com/fr/articles/zoom-nouveautes-33/le-peeling-de-nuit-4271>

Cette formule bi-phasée contient dans la phase rose de l'acide glycolique, et dans la phase gold deux huiles (argan et rose Damascena distillée à froid), ainsi que des cellules natives de rose Lancôme exceptionnellement régénérantes et un concentré de rose Centifolia extrait au CO₂ Supercritique, anti-inflammatoire et ...



Night skin care from Lancome containing CO₂ extract from Rose, chosen for their anti-inflammatory and analgesic effect

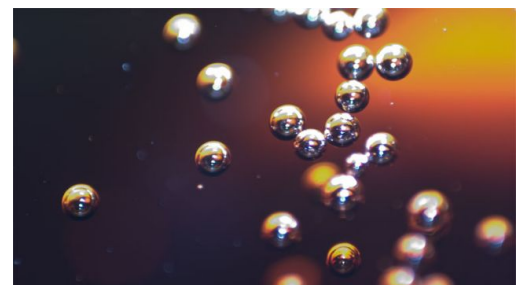


March 29 2018

[Valens GroWorks Ramps Up Supercritical CO₂ Extraction Capacity by ...](#)

<https://www.analyticalcannabis.com/.../valens-gro-works-ramps-up-...>

Valens GroWorks has announced a substantial increase to its processing capacity of supercritical



CO2-extracted cannabis oil at wholly-owned subsidiary Valens AgriTech in Kelowna. Valens AgriTech has taken delivery of two Vitalis Q-90 CO2 extraction machines that have been added to the previously installed production ...

March 31 2018

[Chamomile German CO2 Total Oil - Aromatics International](#)

<https://www.aromatics.com/.../chamomile-german-co2-total-essenti...>

A beautiful new Chamomile CO2 Total, the consistency is waxy when cool. To soften the wax to a liquid consistency, heat over low heat until melted. ... From experience, this Total extract is fabulous in pain and inflammation blends. For healing any injury to muscle, tendon or ligament, combine with Helichrysum for a potent ...



March 31 2018

[Vanilla, Tahiti \(Vanilla tahitensis\) Organic CO2 Extract – Rising Sun ...](#)

<https://risingsunbotanicals.com/.../vanilla-tahiti-vanilla-tahitensis-or...>

55,00 \$US - For the Vanilla lover, the vanilla connoisseur, the vanilla obsessed, the perfect perfumer and the vanilla junkie. This is a very rare, high quality plant extraction from the French-Polynesian island paradise of Tahiti. It is a Total Sele Supercritical CO2 Extract of the highest order. The batches are tiny and ...



March 29 2018

[The Silica Aerogel Composite - Santel brand](#)

www.ccf-china.com/product/5abc9b6b12604c33573f6541

The Silica Aerogel Composite. The silica aerogel composite is made by drying the noncrystal silica gel and its substrate blanket with the supercritical CO2 fluid. The process can reduce the intrinsic



high brittleness of the aerogel effectively, and strengthen the structure of valence bond between the aerogel and its substrate.

March 29 2018

[CSF4 Breakthrough technology roadmap](https://vnp.nl/.../Breakthrough-Technology-Roadmap-i.s.m.-Findes...)
<https://vnp.nl/.../Breakthrough-Technology-Roadmap-i.s.m.-Findes...>

Four supercritical drying methods could be applied for water removal in the papermaking process [86], [87]:. • Supercritical gas drying (SCGD) uses liquid CO₂ to replace the water after which it is raised to supercritical level. • Supercritical organic solvent drying (SCOD) where the organic solvent with CO₂ is raised to a

 [Supercritical process are described on page 17 to 19 - document are issued for the Dutch Paper board industries](#)




March 31 2018

[Association Chimie du Végétal - L'ACDV rejoint la French Fab](#)

Association Chimie du Végétal (ACDV) rejoint la French Fab



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 :