

# SUPERCRITICAL WATCH

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



## Weekly Report : 5<sup>th</sup> to 13<sup>th</sup> September 2018

Watch realized by **Kasop Tech & Event** | Collect and sorting of relevant data | All links are checked |

[SCF Companies](#)

[Scientific paper  
& news](#)

[SCF Products  
market](#)

[Extended technologies](#)

### Events Events

September 8 2018

[17th European Meeting on Supercritical Fluids \(EMSF 2019\)](https://www.uclm.es/.../17th-european-meeting-on-supercritical-fluids-)

[eventos.uclm.es/.../17th-european-meeting-on-supercritical-fluids-](https://www.uclm.es/.../17th-european-meeting-on-supercritical-fluids-)  
Eventos UCLM, tu red de eventos, congresos, seminarios...  
científicos, académicos y profesionales. El calendario de eventos  
de Universidad de Castilla-La ...



Up-dating of Announcement of 17th European Meeting on Sc  
Fluids, Ciudad Real, Spain, 2019



September 7 2018

[Association francophone des sciences séparatives ~ AFSEP](https://www.afsep.com/)

<https://www.afsep.com/>

12th International Conference on Packed Columns SFC, 17-19  
octobre, ... Mingle with world-renowned leaders in supercritical  
fluid technologies and learn ...



Reminding of SFC 2018, October, France



### SCF Companies SCF Companies








September 6 2018

[Vitalis, Author at Vitalis Extraction Technology](https://vitaliset.com/author/vitalis-extraction/)

<https://vitaliset.com/author/vitalis-extraction/>

Vitalis has become the leading manufacturer of industrial  
supercritical CO2 extraction machine. We offer a range of  
machines that will ensure that liquid CO2 ...



	<p>September 6 2018  <a href="https://www.cntradematt.com/.../supercritical-fluid-co2-extraction-">What Are The Characteristics of Supercritical Fluid CO2 Extraction ...</a>  <a href="https://www.cntradematt.com/.../supercritical-fluid-co2-extraction-">https://www.cntradematt.com/.../supercritical-fluid-co2-extraction-</a>            Supercritical Fluid CO2 Extraction Equipment Characteristic 1)            Supercritical fluidCO2 extraction and chemical extraction. (1) It can be extracted at near room ...</p> <p> Web-site up-dating of Tradematt, chinese company producing aerogel</p>	
	<p>September 7 2018  <a href="http://www.stockhouse.com/.../eviana-begins-commercial-cbd-production">Eviana Begins Commercial CBD Production in Serbia - Stockhouse</a>  <a href="http://www.stockhouse.com/.../eviana-begins-commercial-cbd-production">www.stockhouse.com/.../eviana-begins-commercial-cbd-productio</a>            ...            production of cannabidiol (“CBD”) utilizing Supercritical CO2 extraction. ... With CBD extract commanding significant market prices per kilogram, the revenue ...</p>	
	<p>September 10 2018  <a href="http://nextbio.co.kr/en/core-technology-2/">Core Technology – 넥스트바이오</a>  <a href="http://nextbio.co.kr/en/core-technology-2/">nextbio.co.kr/en/core-technology-2/</a>            Super/subcritical Fluid Technology. Super/subcritical Fluid Extraction Technology. Using green solvent such as CO<sub>2</sub>, H<sub>2</sub>O as supercritical fluid → Extraction ...</p> <p> Web-site up-dating of Nextbio, Corean company</p>	
	<p>September 11 2018  <a href="https://www.pharmaceutical-technology.com/.../supercritical-fluid">Pierre Fabre CDMO to Showcase SuperCritical CO2 Products at CPhI ...</a>  <a href="https://www.pharmaceutical-technology.com/.../supercritical-fluid">https://www.pharmaceutical-technology.com/.../supercritical-fluid</a>            s/...            PIERRE FABRE CDMO Supercritical Fluids Press Releases ... ingredients (API); Purification of polymers; Cleaning and treatment of medical components.</p> <p> Pierre Fabre CDMP will make a conference at CPhI next october, Spain</p>	

	<p>September 11 2018  <a href="#">Criticality brings industrial hemp extraction and purification facility to ...</a>  <a href="https://markets.businessinsider.com">https://markets.businessinsider.com</a> › News › Stock News                      Criticality specializes in environmentally-friendly, all-natural, solvent-free supercritical fluid extraction and purification.                      Construction on the facility is expected to ...</p>	
	<p>September 12 2018  <a href="#">The Green Organic Dutchman Launches its Premier Certified Organic ...</a>  <a href="https://www.marketwatch.com/.../the-green-organic-dutchman-lau">https://www.marketwatch.com/.../the-green-organic-dutchman-lau</a>                      The Company's cannabis oils are derived using a super-critical CO2 extraction processthat uses no harmful solvents or additives.                      As part of the launch, TGOD is ...</p>	
<p>Scientific papers &amp; news                      Scientific papers &amp; news</p>	<p>September 8 2018  <a href="#">Is Supercritical Water The Green Future Of Chemical Processing ...</a>  <a href="https://www.chemicalprocessing.com/.../is-supercritical-water-the-g...">https://www.chemicalprocessing.com/.../is-supercritical-water-the-g...</a>                      Water in a supercritical state can break down high-molecular-weight ... university of washington.</p>	<p><b>CHEMICAL PROCESSING</b>  <small>LEADERSHIP   EXPERTISE   INNOVATION</small></p>
	<p>September 8 2018  <a href="#">Emplois : Technicien Genie Chimique - septembre 2018   Indeed.fr</a>  <a href="https://www.indeed.fr/Emplois-Technicien-Genie-Chimique">https://www.indeed.fr/Emplois-Technicien-Genie-Chimique</a>                      Innovation Fluides Supercritiques ... TECHNICIEN GENIE DES PROCEDES H/F. Profil recherché De formation Bac +2/+3/+5 Génie des Procédés, Biochimie ou ..</p> <p> Technician job offer at Supercritical Fluid Innovation, France</p>	
	<p>September 11 2018  <a href="#">309c From Supercritical Fluids to Ionic Liquids - Conferences &amp; Events</a>  <a href="https://aiche.confex.com/aiche/2018/meetingapp.cgi/.../542374">https://aiche.confex.com/aiche/2018/meetingapp.cgi/.../542374</a>                      One of the keys to efficient and selective separation processes is the ability to tune the power of the solvent and its interactions with the species being recovered.</p>	

September 12 2018

[Ecole nationale supérieure de chimie de Rennes \(ENSCR\) - Accueil ...](#)

<https://fr-fr.facebook.com/chimierennes/>

L'ENSCR dispose d'un nouvel équipement, une chromatographie en fluides supercritiques, qui a pour particularité de permettre l'accélération du temps de ...



National School of Chemistry of Rennes (France) just acquired a sc fluid chromatography equipment



September 7 2018

[Extraction and incorporation of bioactives into protein formulations for ...](#)

<https://www.sciencedirect.com/science/article/.../S01418130183390...>

When the extraction solvent is only water, PLE can be subcritical water extraction, pressurized hot water extraction, or superheated water extraction. In these ...



September 13 2018

[Marine Drugs | Free Full-Text | Supercritical Carbon Dioxide Extraction ...](#)

[www.mdpi.com/1660-3397/16/9/334](http://www.mdpi.com/1660-3397/16/9/334)

Extraction of astaxanthin, lutein, and FAs from disrupted biomass of the *H. pluvialis* red phase using carbon dioxide (CO<sub>2</sub>) in supercritical fluid extraction (SFE) ...



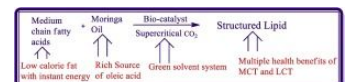
*marine drugs*

[Intensified synthesis of Structured Lipids from oleic acid rich Moringa oil in the presence of Supercritical CO<sub>2</sub>](#)

Snehal More, Parag Gogate, Jyotsna Waghmare, Satyanarayan N. Naik

In Press, Accepted Manuscript, Available online 8 September 2018

[Source : Science Direct](#)



[Advantages and disadvantages of using SC CO<sub>2</sub> for enzyme release from halophilic fungi](#)

Mateja Primožič, Maja Čolnik, Željko Knez, Maja Leitgeb

In Press, Accepted Manuscript, Available online 10 September 2018

[Source : Science Direct](#)

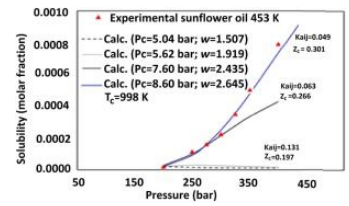
HALOPHILIC FUNGI CELLS LYSIS



Solubility of oleic acid, triacylglycerol and their mixtures in supercritical carbon dioxide and thermodynamic modeling of phase equilibrium

Tábata T. Garmus, Natasha Aires de Oliveira Giani, Walter A. Rammazzina Filho, Carmen L. Queiroga, Fernando A. Cabral  
In Press, Accepted Manuscript, Available online 10 September 2018

Source : Science Direct



SCF  
Products  
Market  
SCF  
Products  
Market

September 6 2018

Friend of the Sea: Sustainable omega 3 production continues to ...  
<https://www.nutritioninsight.com/.../friend-of-the-sea-sustainable-o>

.. technologies considered more environmentally friendly, such as supercritical CO2 ... The company touts the patented LOFO enzyme, incorporated into Fazer ...



September 6 2018

CO2 Plant Extracts (organic): Carrot (organic) CO2 Extract  
<https://www.magicalnaturals.com/.../co2...extracts/co2-extract-carr>

.. Carrot (organic) CO2 Extract CO2 Plant Extracts (organic) INCI: Helianthus annuus, Daucus carrota, Rosmarinus officinalis. Antioxidant properties especially ...



September 6 2018

Hopsteiner Offers Innovations To Brewers - Brewpublic  
<https://brewpublic.com/.../hopsteiner-offers-innovations-to-brewer>  
S...

Beta bio is produced from CO2 extract. It contains primarily the natural  $\beta$ -acids fraction of hop extract dissolved in food grade Propylene Glycol.  $\beta$ -acids are ...



September 7 2018

Flavex Vanilla Planifolia CO2-HA-extract, 2 % Vanillin

[www.flavex.com/produktlisting\\_detail.php?id=021.010...id=2](http://www.flavex.com/produktlisting_detail.php?id=021.010...id=2)  
The gentle production technology of Vanilla CO2-HA extract completely ... S. Sarimo, H. Kallio : Distribution of microbes in supercritical CO2 extraction of sea ...





September 9 2018

[Organic Rosehip CO2 Extract - Pure Rosehip Essential Oil](https://www.anandaapothecary.com/rosehip-co2)

<https://www.anandaapothecary.com/rosehip-co2>

2,06 \$US - About the Oil: This supercritical CO2 extract contains the whole Rosehip, not just the famous rosehip seeds. As a specialty skincare oil, Rosehip CO2 is very high ...



Extended technologies  
Extended technologies

September 7 2018

['GE's Ultra-Supercritical technology is the answer to carbon worries'](#)

**Business Recorder (press release)**

Location and access to facilities such as water are also a critical component in ... subcritical to supercritical or from supercritical to ultra-supercritical is difficult as ...



September 6 2018

[Journée technique Extractis – Chaire ABI AgroParisTech le 15 novembre 2018](#)

Nous organisons le 15 novembre 2018 avec la chaire ABI d'AgroParisTech une journée technique intitulée: « Biocatalyse et procédés pour une chimie durable : du ballon au bioréacteur. »

**Extractis, french company organize a technical workshop on biocatalysis for green processes, november 2018**

The flyer includes the following information:

- Event Title:** Journée Technique Biocatalyse et Procédés pour une chimie durable : du Ballon au Bioréacteur
- Date and Time:** 15 novembre 2018 de 9h à 17h
- Location:** Extractis, 33 avenue Paul Claudel, 80 480 Dury
- Programme:** Interventions d'académiques et d'industriels, visite des locaux d'Extractis, ateliers pratiques...
- Contact:** Extractis (33 avenue Paul Claudel, 80 480 Dury, Email: contact@extractis.com) and Chaire ABI (CEBB 3 rue des Rouges Terres, 51 110 Romilly, Email: anne.mignier@agroparitech.fr)
- Logos:** Extractis, AgroParisTech, CEBB, Grand Est, La France, and European Union.

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 :