

# SUPERCritical WATCH

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



Weekly Report : 10<sup>th</sup> to 17<sup>th</sup> January 2018

Watch realized by **Kasop Tech & Event** | Collect and sorting of relevant data | All links are checked | [Register on-line !](#)

## Events Events

January 11 2018

[Program | Catalysis | Catalysis Conference 2018 | Chemical ...](#)

<https://catalysis-conferences.magnusgroup.org/.../fluorous-ponytail...>

It is known that fluorinated compounds are well compatible with such environment-friendly solvent like supercritical carbon dioxide. In addition to examples from the work of others, our results of catalysis in supercritical carbon dioxide will be shown. Audience Take Away: - The understanding of the concepts of fluorophilicity and ...



January 15 2018

[4th International Seminar on Aerogels – Call for papers | nanohybrids.eu](#)

<https://nanohybrids.eu/.../4th-international-seminar-on-aerogels-cal...>

Aerogels are a fascinating class of nanoporous materials that exhibit a wide array of extreme and unique materials properties. Aerogels have traditionally been obtained through a combination of sol-gel technology and (mainly) supercritical drying. However, in recent years numerous new compositions and processes have ...

4TH INTERNATIONAL SEMINAR ON AEROGELS  
– CALL FOR PAPERS



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[Institut de Chimie Organique et Analytique - ICOA UMR7311 | Institut ...](#)

[www.icoa.fr/](http://www.icoa.fr/)

Actualité. Événement: Thèse : Elise LEMASSON. Titre: Mise en place de stratégies chromatographiques en phase liquide et supercritique pour l'analyse de candidats médicaments. Date de début. Jeudi, 18 Janvier, 2018 - 14:30. Date de fin: Jeudi, 18 Janvier, 2018 - 18:00.



*"Orleans University (France) - Thesis defense on liquid and supercritical chromatography on medicine - January 2018"*

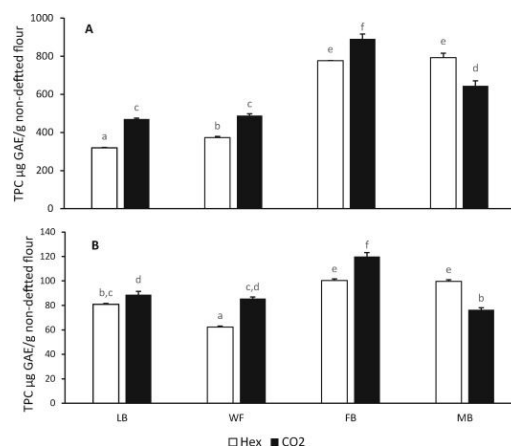


Scientific papers and news  
scientific papers and news

January 11 2018

[Phenolic acids, avenanthramides, and antioxidant activity of oats defatted with hexane or supercritical fluid](#)

Mallory Walters | Ana Paula Lima Ribeiro | Farah Hosseinian | Apollinaire Tsopmo



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### [Bioproducts from Potatoes. A Review - De Gruyter](#)

<https://www.degruyter.com/.../rtuect.../rtuect-2017-0013.xml>

- approximately 2 % when they are fresh, these amounts increase during the drying process. The total protein content in dried potatoes is equal to one for cereals, with higher nutritional quality [8]. The characteristic .... the same purpose, then the method is called supercritical or subcritical fluid extraction. But, as the.

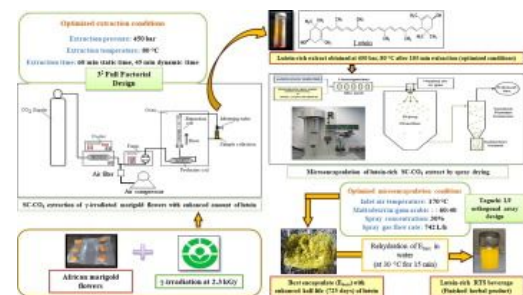


### [Spray dried powder of lutein-rich supercritical carbon dioxide extract of gamma-irradiated marigold flowers: Process optimization, characterization and food application](#)

*In Press, Accepted Manuscript, Available online 4 January 2018*

Sayani Pal, Paramita Bhattacharjee

[Source : ScienceDirect](#)



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[Purification of biosynthesized drug metabolites by supercritical fluid chromatography](#)

*Pingrong Liu, Zaid Temrikar, Heewon Lee, Amy Gao, Nina Gonnella, Dongyue Xin, Mitchell E. Taub, Aaron Teitelbaum, Boehringer Ingelheim, Ridgefield, CT, USA*

Available online 12 January 2018

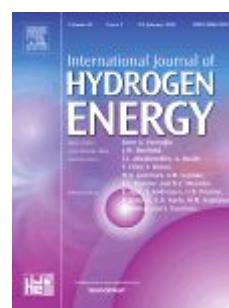
[Source : ScienceDirect](#)



[Kinetics study for sodium transformation in supercritical water gasification of Zhundong coal](#)

*Deming Zhang, Liejin Guo, Jiuyun Zhao, Hui Jin, Wen Cao, Runyu Wang, Wenwen Wei, Jia Chen*  
State Key Laboratory of Multiphase Flow in Power Engineering (SKLMF), Xi'an Jiaotong University, 28 Xianning West Road, Xi'an, 710049, Shaanxi, China  
Received 28 October 2017, Revised 29 November 2017, Accepted 2 December 2017, Available online 11 January 2018

[Source : ScienceDirect](#)



[Production of new activated bio-carbons by chemical activation of residue left after supercritical extraction of hops](#)

*Adam Mickiewicz University in Poznań, Faculty of Chemistry, Laboratory of Applied Chemistry, Umultowska 89b, 61-614 Poznań, Poland*  
Received 22 September 2017, Revised 20 November 2017, Accepted 23 November 2017, Available online 26 December 2017. [Source : ScienceDirect](#)



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SCF  
Companies  
SCF  
Companies

January 10 2018

[TOP INDUSTRIE - OpenAgenda](#)

[https://openagenda.com/events/top-industrie\\_852](https://openagenda.com/events/top-industrie_852)

Catégorie: Journée portes ouvertes : visites d'entreprises ... contrôlé, d'unités pilote pour fluides super critique, de moyens d'essais et d'analyse sous pression, de composants, particulièrement destinés aux Centres de Recherche et Laboratoires d'Essais..26 mars - 30 mars



*"Open visit of company for school - March 2018"*



**TOP INDUSTRIE**  
La Technologie Haute Pression

January 13 2018

[WCBP Symposium : Waters](#)

[www.waters.com/waters/eventInstance.htm?locale=en\\_OM...](http://www.waters.com/waters/eventInstance.htm?locale=en_OM...)

WCBP 22nd Symposium on the Interface of Regulatory & Analytical Sciences for Biotechnology Health Products taking place this year in Washington, DC.



January 11 2018

[OPCW SciTech \(@OPCW\\_ST\) | Twitter](#)

[https://twitter.com/opcw\\_st](https://twitter.com/opcw_st)

- .... A #FilmFriday look at supercritical water oxidation (SCWO) for breaking down neutralised chemical agent hydrolysates into carbon dioxide, water and salts.



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January 12 2018

[Vitalis Extraction Technology | Subcritical and Supercritical CO2 Science](#)

<https://vitaliset.com/co2-science/>

Vitalis explains the science behind subcritical and supercritical CO2 extraction. CO2 extracts are dominating today's market; and this is why.



January 12 2018

[420Jobsearch | Job Cannabis Extraction Expert / Consultant](#)

<https://www.420jobsearch.com/job-cannabis-extraction-expert-con...>

guide team in selecting equipment and preparing raw cannabis materials for processing;; develop production process including extraction of dried cannabis using supercritical CO2;; oversee preparation of chemical extracts and dilutions to specifications using ancillary equipment;; formulate molecular/fractional distillation ...

January 16 2018

[Technicien Production Extraction H/F - 776916 | Page Personnel](#)

<https://www.pagepersonnel.fr/job-detail/technicien-production...hf/ref/776916?...>

Rattaché au Chef d'Atelier, vous l'assistez dans la mise en oeuvre des procédés CO2Supercritique du Département de Biotechnologie. Vos missions en tant que Technicien Production Extraction sont les

PagePersonnel



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suyvantes : Mettre en oeuvre toutes les fabrications industrielles d'rivant des proc'd's CO2 Supercritique en ...



*"French Job Offer for technician working with Supercritical CO2 extraction"*

January 12 2018

[Analyseur de Carbone Organique Total InnovOx - HTDS - FR](#)

<https://www.htds.fr/fr/laboratoire/.../analyseur-de-carbone-organique-total-innovox/>

Utilisant la technologie d'Oxydation dans l'Eau en phase Supercritique (SCWO), l'InnovOx est con'u pour analyser le COT de milliers d'chantillons de matrices diverses — dont les saumures et la cellulose — sur des p'riodes de fonctionnement continu sans pr'cedent.

L'InnovOx offre des performances analytiques ...



*"COT analysis equipment using SCWO"*



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SCF  
Products  
Market  
SCF  
Products  
Market

January 11 2018

[Soins des yeux : Chanel lance BLUE SERUM Eye | Femmes de Tunisie](#)

<https://femmesdetunisie.com> > Accueil > Beauté > Actu beauté

*Extrait de gomme de lentisque de Grèce : récoltée auprès d'une coopérative locale, la résine est extraite à froid au CO2 supercritique afin d'en préserver les propriétés. LE SECRET DE BLUE SERUM EYE. BLUE SERUM EYE illumine le regard. Le contour de l'oeil est plus lisse, plus ferme et plus uniforme. L'âge, le temps, ...*



*"A Supercritical CO<sub>2</sub> extract from famous Greek Chios Mastic Tree used in one of the new Cosmetic Care of Chanel Brand : "BLUE SERUM Eye"™"*



January 11 2018

[Supercritical CO 2 Extracts - ALIGNS INTERNATIONAL](#)

[www.aligns.in/Supercritical-CO2-Extracts.html](http://www.aligns.in/Supercritical-CO2-Extracts.html)  
SPICE EXTRACTS. Ginger Total Extract, Black pepper Oleresin. Ginger Oil, Clove Bud Scf Extract. Ginger Oleoresin, Cardamom Scfe Oil. Black Pepper Total Extract, Cinnamon Scfe Oil. Black pepper Essential Oil, Cumin Scfe Oil. Coriander Seed Extract, Nutmeg Oil. Fennel Seed Oil, Turmeric Extracts (Encapsulated).





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January 15 2018

[Supercritical CO2 Extraction Pure Natural Wild Jujube Oil - suppliers ...](#)

[efbee.futsalball.top/](http://efbee.futsalball.top/)

We are the world's Jujube extract suppliers, we have a professional advanced production plant for Jujube extract production line, our company is committed to Jujube extract and its active ingredients in the production and processing, we will At a low price for the majority of buyers to provide high-quality products.



*CO2 extract are produced by [Xi'an Aladdin Biological Technology Co.,Ltd](#) , China*

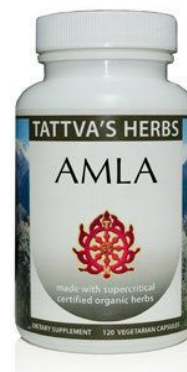


January 16 2018

[Ayurvedic Hair Products | Tattva's Herbs Organics](#)

<https://www.tattvasherbs.com/hair-health/>

Amla Full Spectrum CO2 Extract 500 mg - 120 Vegetarian Capsules. \$39.95 \$34.95. Compare. Add To Cart · Amla Full Spectrum CO2 Extract 500 mg - 240 Vegetarian Capsules (2 pack - 120ct/ea). \$74.95 \$64.95. Compare. Add To Cart · Brahmi Hair and Body Oil. \$24.95 \$20.95. Compare. Choose Options · Hair Plus Oil.



January 10 2018

[Bioavailability, Bioaccessibility and Mobility of](#)

[Register on-line](#)

[Specific watch-web on request](#) (specific markets, processes, competitors ...) : [kseudeau@kasop.fr](mailto:kseudeau@kasop.fr)

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## [Environmental ...](#)

Chapter 5 evaluates the different sample preparation techniques for non-exhaustive extraction (cyclodextrin, supercritical-fluid extraction, subcritical water extraction, solid-phase microextraction and membrane separations) of persistent organic pollutants from soils and sediments. In addition, a mathematical approach to ...

January 11 2018

[Tantale, un métal précieux dans nos portables // Unsighted.co](#)

[unsighted.co/enjeux/tantale-metal-precieux-nos-portables/](http://unsighted.co/enjeux/tantale-metal-precieux-nos-portables/)

- Un métal précieux pour l'industrie ... Découvert en 1802, le nouveau métal était alors si difficile à mettre en solution, si résistant aux acides, que l'étudier était pour les scientifiques un véritable .... En Europe, une des dernières solutions est l'utilisation d'une eau portée à très haute température : l'eau « supercritique ».



*Recycling of Tantalum into mobile phone. European companies begin to use Supercritical water to recover this material.*



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Extended  
technologies  
extended  
technologies

January 12 2018

[Water-free Cotton Dyeing Technology - RFPs -  
NineSights - NineSigma](#)

<https://ninesights.ninesigma.com/rfps/-/rfp-portlet/.../3645>

Jos Cenens, Ph.D. OPPORTUNITY: licensing, product acquisition, contract research, proof of concept leading to scale-up to manufacturing, joint development, supplier ... This is however not a suitable technique for dyeing cotton (or other natural fibers like wool and silk) because supercriticalCO2 cannot break the hydrogen ...



If an information about event, company, scientific articles appeared on web several times (either on one week or one month) : the 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 advise : only a selection of news is done and reported in the Supercritical Watch Report.

Comments or advise on web article lecture is provided through the following icon :

