

PLENARY LECTURES

PL01 CLEAN PROCESSING WITH SUPERCRITICAL FLUIDS.

Brunner G., Technische Universität Hamburg-Harburg (Germany)

PL02 PHASE EQUILIBRIUM AND REACTION IN BIPHASIC SOLVENTS IONIC LIQUID + SUPERCRITICAL CO₂.

Nunes da Ponte M., Serbanovic A., Bogel-Lukasick E. and Bogel-Lukasick R., University Nova de Lisboa (Portugal)

PL03 POLYMER SYNTHESIS, POLYMER PROCESSING AND MEDICAL DEVICES: A SUPERCRITICAL APPROACH.

Howdle S., University of Nottingham (United Kingdom)

ORAL COMMUNICATIONS

SESSION A1 : THERMODYNAMICS AND PHYSICO PROPERTIES

Key note :

CO97 THE DESIGN OF SUPERCRITICAL FLUID PROCESSES: AVAILABILITY AND SHORTCOMINGS OF THERMODYNAMIC AND TRANSPORT DATA

Schwarz C.-E. and Knoetze J.-H., University of Stellenbosch (South Africa)

Communications :

CO49/P01 NEW PERACETYLATED SUGAR-BASED SURFACTANTS FOR SUPERCRITICAL CARBON DIOXIDE

Cássio F.-L., Góes L.F. Pereira T.A., Bazito R.C., University of Sao Paulo (Brazil) and Da Rocha S.-R.-P., Wayne State University, Detroit (USA)

CO83 CAPILLARY FLOW OF CARBON DIOXIDE – WATER EMULSIONS.

Quinn B., Bhagwat P. and Krank D., Aktiv-Dry LLC, Boulder (USA)

CO41 FREQUENCY RESPONSE OF MICROCANTILEVERS IN SUPERCRITICAL CO₂.

Uzunlar E., Salih Kiliç M., Alaca E., Ürey H. and Erkey C., Koç University, Istanbul (Turkey)

CO89 THE EFFECT OF INORGANIC MATERIALS ON THE BEHAVIOUR OF SCW IN THE VICINITY OF THE PSEUDO-SPINODAL LINE.

Imre A.-R., Házi G., Horváth Á., Maráczy Cs., KFKI Atomic Energy Research Institute, Budapest (Hungary), Mazur V. and Artemenko S., Odessa State Academy of Refrigeration (Ukraine)

Session A2 : HEALTH SCIENCES

Key Note :

CO22 SUPERCRITICAL FLUIDS AS NOVEL PARTICLE FORMATION MEDIA : 1-APPLICATIONS TO THE FORMATION OF ORGANIC AND INORGANIC MATERIALS.

Türk M., Karlsruhe Institute of Technology (Germany)

Communications :

CO17 SUPERCRITICAL FLUIDS AS NOVEL PARTICLE FORMATION MEDIA : MOLECULAR DYNAMICS SIMULATION OF PARTICLE FORMATION .

Römer F. and Kraska T., University of Köln (Germany)

CO30 SUPERCRITICAL SOLVENT IMPREGNATION : A SEMIQUANTITATIVE METHOD FOR THE EVALUATION OF AFFINITY BETWEEN POLYMERS AND DRUGS.

Kikic I., University of Trieste (Italy)

CO44 CAPABILITY OF MODERN IN SITU DIAGNOSTICS FOR THE ANALYSIS OF THE SC ANTISOLVENT (SAS) TECHNOLOGY.

Braeuer A., Dowy S. and Leipertz A., University of Erlangen-Nürnberg (Germany)

CO64/P86 DRUG DELIVERY SYSTEMS PREPARED BY SCF TECHNOLOGY FOR ENHANCED BIOAVAILABILITY AND CELLULAR UPTAKE OF MODEL ANTIOXIDANT COMPOUNDS .

Almeida A.-P., Matias A.-A, Nunes A.-V.-M., Bronze M.-R., Duarte C.-M.-M., Instituto de

Biologia Experimentale Tecnológica, Oeiras and Nogueira I.-D., Universidade Nova de Lisboa, Oeiras (Portugal)

Session A3 : *Reactivity/ Synthesis*

Key Note :

CO57 PULSED DISCHARGE PLASMA TREATMENT OF PHENOL IN SUB-CRITICAL AND SUPERCRITICAL FLUIDS FOR POLYMER SYNTHESIS.

Sasaki M., Wahyudiono and Goto M., Kumamoto University (Japan)

Communications :

CO36 PROCESSING OF SPIN TRANSITION MOLECULAR MATERIALS USING SUPERCRITICAL FLUIDS.

Saint-Martin S., Daro N., Létard J.-F. and Aymonier C., University of Bordeaux (France)

CO05 SYNTHESIS OF SOME HIGH-MOLECULAR WEIGHT ESTERS IN SUPERCRITICAL ALCOHOLS.

Dogan A. and Sultan Giray E. , Çukurova University, Adana (Turkey)

CO38 THE SUZUKI-MIYaura CROSS-COUPling OF CHLOROARENES WITH ARYLBORONIC ACIDS IN SUPERCRITICAL CARBON DIOXIDE.

Kuchurov I.-V., Vasiliev A.-A. and Zlotin S.-G., N.D Zelinsky Institute of Organic Chemistry, Moscow (Russia)

CO70 TOWARDS AUTOMATED SELF-OPTIMISATION OF CONTINUOUS HETEROGENEOUS CATALYSIS IN SUPERCRITICAL CO₂.

Parrott A.-J., Akién G.-R., Bourne R.-A., Poliakoff M. and Irvine D., University of Nottingham (United Kingdom)

Session C1 : *NATURAL PRODUCTS*

Key Note :

CO02 EXTRACTION ANTIOXIDANT FROM SOME BRAZILIAN PLANTS.

Veggi P.-C., Santos D.-T. and Meireles M.-A., UNICAMP, Campinas (Brazil)

Communications :

CO14 THE ULTRASOUND EXTRACTION AND SUPERCRITICAL CO₂ RE-EXTRACTION OF OBTAINED EXTRACT OF SAGE (*Salvia officinalis* L.)

Glišić S.-B., Skala D.-U., University of Belgrade and Ristic M., Institute for Medical Plant Research “Dr. Josif Pančić”, Belgrade (Serbia)

CO46 SEPARATION OF SUBSTANCES FROM HIGHLY VISCOUS SYSTEMS BY HIGH PRESSURE EXTRACTION PROCESSES.

Steinhagen V., Luetge C., Bork M., Uhde High Pressure Technologies GmbH, Hagen (Germany) and Knez Ž., University of Maribor (Slovenia)

CO55 MODELLING OF SUPERCRITICAL FLUID EXTRACTION OF PLANT MATERIALS.

Nagy B., Simándi B., Budapest University of Technology, (Hungary) and Lack E., Natex Prozesstechnologie GesmbH, Ternitz (Austria)

CO68 SUPERCRITICAL FLUID EXTRACTION OF CANNABIS : EXPERIMENTS AND MODELING OF THE PROCESS DESIGN

Perrotin-Brunel H., J. van Spronsen J., Witkamp G.-J., Delft University of Technology (The Netherlands), Van Roosmalen M.-J.-E., FeyeCon D & IBV, Weesp (The Netherlands), Verpoorte R., Leiden University, Leiden (The Netherlands) and Peters C.-J., The Petroleum Institute, Abu Dhabi (United Arab Emirates)

Session C2 : HEALTH SCIENCES

Key Note :

CO77 SCCO₂-ASSISTED PREPARATION OF OMEPRAZOLE/CYCLODEXTRIN INCLUSION COMPLEXES. COMPARATIVE STUDY WITH CONVENTIONAL METHODS
Toledo M., Ramos M., Salústio P., Cabral Marques H., Universidade de Lisboa (Portugal), Soares da Silva M. and Casimiro T., Universidade Nova de Lisboa, Caparica (Portugal)

Communications :

CO59 CONTINUOUS ANTI-SOLVENT METHOD FOR THE PRODUCTION OF LIPOSOMES.

Lesoin L., Boutin O., Crampon C. and Badens E., Aix-Marseille University, Aix-en-Provence (France).

CO75 SUPERCRITICAL FLUIDS AS NEW MEDIA FOR THE GENERATION OF PHARMACEUTICAL COCRYSTALS – PHARMACEUTICAL CHARACTERIZATION OF THEOPHYLLINE-SACCHARIN COCRYSTALS

Padrela L., Rodrigues M., André V., Duarte M.-T., Fernandes A.-C, Matos H.-A, Azevedo E.-G., Instituto Superior Tecnico, Lisboa (Portugal) and Velaga S., Luleå University of Technology (Sweden)

- CO73 ATOMIZATION OF SUPERCRITICAL ANTISOLVENT INDUCED SUSPENSIONS – REPLACING ANTI-SOLVENT PRECIPITATORS BY ANTI-SOLVENT NOZZLES
Rodrigues M.-A, Padrela L., Geraldes V., Matos H.-A. and Gomes Azevedo E., Technical University of Lisbon (Portugal)

Session D1 : MATERIALS- INORGANIC

Key Note :

- CO66 PULSED LASER ABLATION OF METAL PLATE IN SUPERCRITICAL CARBON DIOXIDE
Goto M., Machmudah S., Wahyudiono, Kuwahara Y. and Sasaki M., Kumamoto University, Kumamoto (Japan)

Communications :

- CO37 CERIA PROCESSING IN SUPERCRITICAL FLUIDS : FROM NANOCRYSTALS TO THIN FILMS.
Mesguich D., Bassat J.-M., Aymonier C., University of Bordeaux (France), You E. and Watkins J.-J., University of Massachusetts, Amherst (USA)
- CO100 DETERMINATION OF MELTING POINT OF POLYCAPROLACTONES UNDER CARBON DIOXIDE PRESSURE.
De Paz E., Martin A. and Cocero M.-J., University of Valladolid (Spain)
- CO11 RECYCLING OF AERONAUTICAL COMPOSITES BY SUPERCRITICAL SOLVOLYSIS.
Elghazzaoui H., Bellettre J., Ecole Polytechnique de Nantes and Le Gal La Salle E., ICAM Nantes (France)
- CO28 SYNTHESIS OF NANOCRYSTALS OF CORUNDUM.
Panasyuk G., Azarova L., Voroshilov I. and Kozerzhets I., N.S. Kurnakov Institute of General and Inorganic Chemistry, Moscow (Russia)

Session B1 : NATURAL PRODUCTS

Communications :

CO96 SUPERCRITICAL CARBON DIOXIDE EXTRACTION OF VOLATILE AND NON-VOLATILE COMPOUNDS FROM AROMATIC PLANTS.

Palavra A.-F., Grosso C., Instituto Superior Técnico, Lisboa (Portugal) Coelho J.-P., I S E L, Lisboa (Portugal), Figueiredo A.-C., Barroso J.-G., University of Lisboa (Portugal), Mainar A. and Urieta J.-S., University of Zaragoza (Spain)

CO48 YEAST LIPIDS EXTRACTION BY SUPERCRITICAL CARBON DIOXIDE AND COSOLVENTS.

Hegel P.-E., Camy S. and Condoret J.-S., ENSIACET, Toulouse (France)

CO62 PHYSICOCHEMICAL PROPERTIES OF SOME BIOLOGICALLY ACTIVE SUBSTANCES OBTAINED FROM VEGETABLE RAW MATERIAL THROUGH CO₂ EXTRACTION.

Uryash V.-F. Kokurina N.-Yu., Larina V.-N., Faminskaya L.-A., Kalashnikov I.-N., Research Institute of Chemistry Nizhni Novgorod State University, Nizhni Novgorod, Gruzdeva A.-E., "Grande Ltd.", Nizhni Novgorod (Russia) and Uryash A.-V., Mount Sinai Medical Center, Miami Beach (USA)

CO27 LIPOSOMAL INCORPORATION OF LAVANDIN ESSENTIAL OIL BY A CONVENTIONAL METHOD AND BY PGSS.

Varona S., Martin A. and Cocero M.-J., University of Valladolid (Spain)

Session B2 : REACTIVITY ENERGY

Communications :

CO18 CONVERSION OF GLYCEROL TO "GREEN METHANOL" IN SUPERCRITICAL WATER.

Knez Hrnčič, M., Škerget M., Ilić L. and Knez Ž., University of Maribor (Slovenia)

CO52 ENERGETIC OPTIMIZATION OF WET AIR OXIDATION PROCESS BASED ON THE PRELIMINARY STUDY ON LIQUID-VAPOR EQUILIBRIUMS.

Lefevre S., Ferrasse J.-H., Boutin O., Aix-Marseille University, Aix-en-Provence (France).

Faucherand R. and Viand A. Aix-Marseille University, Donzère (France).

CO08 HIGHLY EFFICIENT FISCHER-TROPSCH SYNTHESIS USING IONIC LIQUIDS AND SUPERCRITICAL CARBON DIOXIDE AS SOLVENTS.

Kroon M.-C ., Sinke M.-M., Peters C.-J. and Witkamp G.-J., Delft University of Technology (The Netherlands)

CO12 POTENTIAL OF SUPERCRITICAL METHYL ACETATE TECHNOLOGY IN BIODIESEL PRODUCTION.

Kok Tat Han, Keat Teong Lee and Abdul Rahman Mohamed, University Sains Malaysia, Pulau Pinang (Malaysia)

Session B3 : MATERIALS- POLYMERS

Communications :

CO24 SUPERCRITICAL CO₂ IMPREGNATION.

Lack E. and Seidlitz H., Natex GmbH, Ternitz (Austria)

CO33 IMPREGNATION OF POLYMERS WITH COLORS AND NANOSCALE PARTICLES.

Renner M., Weidner E. and Bertling J., Fraunhofer Institute UMSICHT, Oberhausen (Germany)

CO56 RECYCLING OF POLYSTYRENE WASTES BY SUPERCRITICAL CO₂ TECHNOLOGY

Gutierrez C., García M.-T., de Lucas A., Gracia I. and Rodríguez J.-F., University of Castilla-La Mancha, Ciudad Real (Spain)

CO39 PEG HYDROGEL ENCAPSULATION OF EOSIN FUNCTIONALIZED HYDROPHOBIC AEROGELS VIA SUPERCRITICAL FLUID ROUTES

Giray S., Kartal A.-M., Kizilel S. and Erkey C., Koç University, Istanbul (Turkey)

Session A4 : HEALTH SCIENCES

Key Note :

CO78 SAFER VACCINES AND ANTIBIOTICS MANUFACTURED THROUGH USE OF NEAR-CRITICAL OR SUPERCRITICAL FLUIDS.

Manion J.-R., Cape S.-P., McAdams D.-H., Howard M.-W., Garcea R.-L., Sievers R.-E., University of Colorado, Boulder (USA), Searles J.-A., Pathak P., Rebits L.-G., Winston S.-E., Aktiv-Dry LLC, Boulder (USA), Muley R., Dhare R.-M., Serum Institute of India, Pune (India), Griffin D.-E., Lin W.-H., Johns Hopkins Bloomberg School of Public Health, Baltimore (USA) and Rota P.-A., Centers for Disease Control and Prevention, Atlanta (USA)

Communications

CO51 DEVELOPMENT OF MOLECULAR IMPRINTED POLYMERS FOR DRUG DELIVERY APPLICATIONS USING SUPERCRITICAL FLUID TECHNOLOGY.

Soares da Silva M., Aguiar-Ricardo A. and Casimiro T., Universidade Nova de Lisboa (Portugal)

CO61 PREPARATION OF INTELLIGENT CHITOSAN-COLLAGEN BASED SCAFFOLDS FOR DRUG DELIVERY.

Barroso T., Viveiros R., Casimiro T. and Aguiar-Ricardo A., Universidade Nova de Lisboa (Portugal)

CO82 ENVIRONMENTAL AND ECONOMIC COMPARISON OF MICRO-PARTICULATE API'S PRODUCTION USING CO₂-EXPANDED SOLVENTS WITH CONVENTIONAL INDUSTRIAL PROCESSES

Cordoba-Insense A., Sala S., CIBER-BBN, Barcelona, Ventosa N., Veciana J., ICMAB/CSIC, Bellaterra and Larrayoz M.-A., Universitat Politècnica de Catalunya, Barcelona (Spain)

CO99 SUPERCRITICAL FLUIDS (SCF) STRATEGIES TO PRODUCE DOUBLE-WALLED PARTICLES FOR DRUG DELIVERY APPLICATIONS.

Rodriguez-Rojo S., Cocero M.-J., University of Valladolid (Spain), Rego D., Nunes A.-V.-M.,

Duarte C.-M.-M., Universidade Nova de Lisboa (Portugal) and Nogueira I.-D, Universidade Tecnica de Lisboa (Portugal)

Session A5 : REACTIVITY/ SUPERCRITICAL WATER

Key Note :

CO69 CARBONIZATION OF LIGNIN IN SUB- AND SUPERCRITICAL WATER.

Watanabe Masaru, Sagara T., Aida T.-M., Lee Smith Jr., Tohoku University, Sendai (Japan),

Ashihara S. and Goto T. Hitachi Cable Co.Ltd., Sendai (Japan)

Communications :

CO06 FLAVANONE SYNTHESIS IN SUB-CRITICAL WATER.

Sirin Ö. and Sultan Giray E., Çukurova University, Adana (Turkey)

CO67/P72 DEHYDRATION OF 2,3-BUTANEDIOL TO METHYL ETHYL KETONE IN SUB-AND SUPERCRITICAL WATER.

Soler A. and Vogel H., Technische Universität Darmstadt (Germany)

CO15 SYNTHESIS OF Ce-DOPED YTTRIUM ALUMINUM GARNET IN SUPERCRITICAL WATER FLUID AND INVESTIGATION ITS OPTICAL PROPERTIES.

Danchevskaya M., Maryashkin A.-V., Ivakin Yu-D. and Muravieva G.-P., Moscow State University (Russia)

CO91 HYDROTHERMAL SYNTHESIS OF METAL OXIDE NANOPARTICLES

Anikeev V.-I., Boreskov Institute of Catalysis, Novosibirsk (Russian)

SessionA6 : OTHER APPLICATIONS

Key Note :

CO25/CO88 SUPERCRITICAL FLUID TECHNOLOGY IMPACT ON ENVIRONMENT

Perrut M., Separex, Champigneulles (France)

Communications :

CO88/P59 HIGH PRESSURE TANNING – NEW PROCESS PRINCIPLE FROM LAB-SCALE TO INDUSTRY.

Renner M., Weidner E. and Geihlsler H., Fraunhofer Institute UMSICHT, Oberhausen (Germany)

CO04 NANOFUIDS, MOLECULAR CLUSTERS AND CLUSTER SELF-ASSEMBLED THIN FILMS.

Jagannathan R., New York University Abu Dhabi, Brooklyn (USA)

CO79 EXTRACTION OF DISTILLATE 822 FROM DRILL CUTTING-WATER SLURRIES USING HYDROCARBONS SUPERCRITICAL CARBON DIOXIDE.

Jones C.-R., Street C.-G., Guigard S.-E., University of Alberta (Canada) Smith A., Bingham R., McCosh K., M-I SWACO and Stiver W.-H., University of Guelph (Canada)

CO32 REMOVAL OF URANIUM FROM WASTE CATALYST OF ANTIMONY-URANIUM COMPOSITE OXIDE BY SUPRERCITICAL FLUID EXTRACTION COMBINED WITH CHLORINATION PRETREATMENT.

Sawada K. and Enokida Y., Nagoya University (Japan)

Session C3 : HEALTH SCIENCES

Key note

CO85 SYNTHESIS OF ORGANIC BIODEGRADABLE AEROGELS USED IN CONTROLLED DRUG RELEASE.

Veronovski A., Novak Z. and Knez Ž., University of Maribor, Maribor (Slovenia)

Communications

CO87P37APPLICATION OF SUPERCRITICAL ANTI-SOLVENT (SAS) PROCESS TO PRODUCE COMMUNUTED PHOSPHOLIPIDS AS LIPOSOME PRECURSORS.

Lesoin L., Crampon C., Boutin O. and Badens E., University Paul Cezanne Aix-Marseille, Aix-en-Provence (France).

CO72 CONTROL OF THE DISSOLUTION RATE OF AN ACTIVE PHARMACEUTICAL INGREDIENT BY USING MELT EXTRUSION COUPLED WITH SUPERCRITICAL CO₂
Nagy Z.- S., Marosi G., Budapest University of Technology (Hungary), Saucéau M., Rodier E. and Fages J., Ecole des Mines d'Albi (France)

CO81 DIASTEREOMERIC SALT FORMATION REACTION OF IBUPROFEN IN SUPERCRITICAL CARBON DIOXIDE

Székely E., Mendez Sevillano D., Vida L. and Simándi B., Budapest University of Technology (Hungary)

CO58 IMPINGING JETS APPLIED TO THE SULFATHIAZOLE CRYSTALLIZATION USING SUPERCRITICAL ANTISOLVENT PROCESS (SAS PROCESS).

Careno S., Boutin O. and Badens E., Aix-Marseille University, Aix-en-Provence (France).

CO94/P88 IN-SITU FTIR SPECTROSCOPY OF THE EFFECT OF CO₂ ON H-BONDING IN PEG-PVP MIXTURES

Labuschagne Ph., CSIR (South Africa) and Kazarian S.-G., Imperial College, London (United Kingdom)

Session C4 : REACTIVITY/ SUPERCRITICAL WATER

Key note

CO93 EXPERIMENTAL AND NUMERICAL HEAT TRANSFER STUDY OF SUPERCRITICAL WATER JETS PENETRATING SUBCRITICAL WATER

Rothenfluh T., Schuler M.-J. and von Rohr P.-R., ETH Zurich, Institute of Process Engineering, Zurich (Switzerland)

Communications

CO07 EXPERIMENTAL STUDY OF THE HYDROTHERMAL FLAME FORMATION AND BEHAVIOR IN A VESSEL REACTOR FOR SUPERCRITICAL WATER OXIDATION.

Cabeza P., Bermejo M.-D., Jimenez C., Queiroz J.-P.-S. and Cocero M.-J., University of Valladolid (Spain)

CO65 SUPERCRITICAL WATER OXIDATION OF RECALCITRANT COMPOUNDS UNDER A HYDROTHERMAL FLAME.

Cabeza P., Bermejo M.-D. and Cocero M.-J., University of Valladolid (Spain)

CO03 HYDROTHERMAL BIOMASS GASIFICATION : NEW RESULTS ON THE ROLE OF WATER AS REACTANT.

Kruse A, ITC-CPV, Karlsruhe Institute for Technology, Eggenstein-Leopoldshafen (Germany)

CO35 PRODUCTION OF 3-METHYLPYRIDINE FROM ACROLEIN AND AMMONIUM SALTS IN SUB-AND SUPERCRITICAL WATER.

Aras G. and Vogel H., Technische Universität Darmstadt (Germany)

Session D2 : MATERIALS - AEROGELS

Key Note :

CO23 PRODUCTION OF SPHERICAL AEROGEL MICROPARTICLES BY SUPERCRITICAL EXTRACTION OF EMULSION.

Alnaief M. and Smirnova I., TU Hamburg-Harburg (Germany)

Communications

CO63 AEROGELS FROM BACTERIAL CELLULOSE : A NEW DIMENSION IN PREPARING SHAPED CELLULOSIC AEROGELS. and Applied Life Sciences, Vienna (Austria),

Haimer E., Liebner F., Wendland M., Potthast A., Rosenau T., University of Natural Resources Neouze M.-A., Vienna University of Technology (Austria), Schlufte K. and Miethe P., Fzmb GmbH – Forschungszentrum für Medizintechnik und Biotechnologie, Bad Langensalza (Germany)

CO40 ORGANIC AEROGEL SUPPORTED PLATINUM NANOPARTICLES PREPARED BY SUPERCRITICAL CARBON DIOXIDE DEPOSITION.

Bozbag S., Seda Yasar N., Erkey C., Koç University, Istanbul (Turkey), Zhang L. and Aindow M., University of Connecticut, Storrs (USA)

CO84 USE OF SiO₂ AEROGEL MODIFIED WITH MERCAPTO FUNCTIONAL GROUPS FOR ADSORPTION OF CU(II) AND HG(II) IONS

Novak Z., Štandeker S. and Knez Ž., University of Maribor, Maribor (Slovenia)

CO26 PREPARATION AND FOAMING OF NANOCOMPOSITES IN SUPERCRITICAL CO₂.

Tsimliaraki A., Tsvintzelis I., Panayiotou C., University of Thessaloniki (Greece), Marras S.-I.

and Zuburtikudis I., TEI of Western Macedonia, Kozani (Greece)

CO95 SYNTHESIS OF METAL-OXIDE AEROGELS FROM THEIR SALTS.

Schäfer H., Heinrich K., Milow B. and Ratke L., Institute of Materials Physics in Space, German Aerospace Center, Köln (Germany)

Session B4 : NATURAL PRODUCTS

Communications :

CO29 COMPARING OF PGSS-DRYING PROCESS WITH CLASSICAL TECHNIQUES FOR DRYING AND PULVERIZATION OF VISCOUS BARLEY MALT EXTRACT.

Gallegos Lopez S., Kilzer A. and Weidner E., Ruhr-University Bochum (Germany)

CO54 DEVELOPMENT OF CYCLODEXTRIN-HYDROGEL POLYMERIC SYSTEMS IN $scCO_2$ FOR COLON TARGETED DRUG DELIVERY.

Soares da Silva M., Romão J., Aguiar-Ricardo A. Marques M.-M. and Casimiro T., Universidade Nova de Lisboa (Portugal)

CO53 ENZYMATIC REACTION - FRACTIONATION PROCESS UNDER SC-CO₂ AS A WAY TO CONCENTRATE OF DHA FROM HAKE OIL.

Rubio-Rodriguez N., Beltrán S., University of Burgos (Spain), Rochová K. and Sovová H. ,
Institute of Chemical Processes Fundamentals, Prague (Czech Republic)

CO71 ADSORPTION OF BURITI OIL (*Mauritia flexuosa*, Mart.) IN γ -ALUMINA USING IN SUPERCRITICAL CO₂

Cunha M.- E., University of the State of Para, Belem (Brazil), Machado N. -T., Araujo M.-E., Faculty of Chemical Engineering - UFPA, Belem (Brazil) and França, L.-F., Faculty of Food Engineering-UFPA, Belem (Brazil)

Session B5 : MATERIALS- POLYMERS

Communications :

CO19 BIOSOURCED POLYMER FOAM PRODUCTION USING A (SC CO₂)-ASSISTED EXTRUSION PROCESS.

Common A., Rodier E., Sauceau M. and Fages J., Ecole des Mines d'Albi (France)

CO21 PARTICLES FROM GAS SATURATED SOLUTIONS (PGSS)- DRYING PROCESS : FUNDAMENTALS AND APPLICATION TO MICRONIZATION OF POLYETHYLENE GLYCOL.

Martin A., Pham H.-M., Kilzer A. and Weidner E., Ruhr University of Bochum (Germany)

CO74 SYNTHESIS AND CHARACTERIZATION OF 2-OXAZOLINE-BASED POLYMERS FOR ANTI-FOULING AND ANTIMICROBIAL SURFACE ACTIVITY.

Gomes Correia V., Barroso T., Bonifácio V.-D.-B., Aguiar-Ricardo A., Lobato da Silva C. Universidade Nova de Lisboa, Caparica (Portugal), and Pinho M.-G., Bacterial Cell Biology Laboratory, Oeiras (Portugal)

CO50 HOLLOW FIBERS BY ELECTROSPINNING IN SUPERCRITICAL CO₂.

Günther A., Freitag D., Arlt W., University Erlangen-Nürnberg (Germany) and McHugh M., Virginia Commonwealth University, Richmond (Virginia)