

AUTHORS INFORMATION

Papers must be submitted for oral and short oral/poster presentations by **30 November, 2010**

PAPER FORMAT

- Maximum number of pages is 8
- Prepare on A4 paper (21.0 cm x 29.7 cm) with margins of 2.5 cm
- First page (compare sample page):

Title	Arial, 14 pt, capital letters, bold, center aligned
Author(s) with address	Arial, 12 pt, center aligned
Abstract (approx.100 words)	Arial, 12 pt, left- and right-justified
5-8 keywords from keyword list	Arial, 12 pt, center aligned
Start with the paper	Arial, 12 pt, left- and right-justified
- Use Arial 12 points with single line spacing and left and right justification
- Figures, diagrams and tables should be inserted in the appropriate position using the same typing
- Do not use coloured figures, photos etc. as the proceedings will be printed in black/white
- It is strongly recommended to use SI Units only

- E-mail the paper in a **word format** to paper@Filtech.de (**pdf format is not accepted**)

POSTER HANDLING

- The maximum size of each poster is 90 cm wide and 1.20 m high
- All posters should include the abstract
- The lettering should be readable from a distance of 1 m
- Please bring your poster with you and put it up on the 21 March, 2011 from 4:00 – 6:00 pm or latest on 22 March, 2011 by 9:00 am
- The organizer will provide material to set up the posters on poster walls

PRESENTATION

- All speakers must contact their session chairman in the conference room prior to their session
- Poster presentations include a short oral presentation of 5 minutes in the session room. The short oral poster presentation in the session rooms will be followed by individual presentations of the authors in front of the posters directly after every poster session. Authors with a short oral/poster presentation are asked to be present in front of their poster after their session and if possible during congress breaks

TECHNICAL EQUIPMENT

- Conference rooms are equipped with large screen projectors for PC presentations
- You can check your A/V presentation before the session in the conference room
- A PC laptop is available in each conference room. Please bring your presentation on a USB Stick and if possible also a CDrom as backup.

As by August 26, 2010

**DEPOSITION OF NANOPARTICLES IN THE COMPOSITES OF
NANO- AND MICRONSIZED FIBERS**

Title: Arial, 14 pt, capital letters, bold, center aligned

Rafal Przekop and Leon Gradon
Warsaw University of Technology, Department of Chemical and Process Engineering
Po Box

Author(s) with address: Arial, 12 pt, center aligned

ABSTRACT

Filtration is one of the effective methods for removal of particles from the aerosol stream. Development in formation of specific fibrous structures promises of the construction of filters for collection of nanoparticles with high efficiency. Fibrous material operates by capturing aerosol particle on the fibers within the filter depth. The effect of capturing approaching the collector. It depends on the particle and fiber sizes and material properties of both objects. The aim of this paper is the determination of the nonsteady-state deposition of nanoparticles on the system of two fibers, namely nano- and micronsized, for different geometrical configurations of both fibers.

Abstract: (approx. 100 words) : Arial, 12 pt, left- and right-justified

KEYWORDS

Filtration, Simulation, Nanoparticles, Nanofiltration

Keywords: Arial, 12 pt, center aligned

1. Introduction

Collection of nanoparticles in the particular steps of the technology of their production, and purification of the air at the workplace and atmospheric environment, requires of the efficient method of separation of particulate matter from the carrier gas.

Paper: Arial, 12 pt, left- and right-justified

Filtration is one of the effective methods for removal of particles from the aerosol stream. Development in formation of specific fibrous structures promises of the construction of filters for collection of nanoparticles with high efficiency. Fibrous material operates by capturing aerosol particle on the fibers within the filter depth. The effect of capturing is of the result of deposition and re-entrainment of particles approaching the collector. It depends on the particle and fiber sizes and material properties of both objects.

There are many papers published recently, in which the deposition of particles on fibrous collectors is considered, using classical continuum approach for description of the process. Such an approach cannot be used for the cases when nanofibers form the filtration mat composite with micronsized fibers. Some specific behavior during

2. Method

Collection of nanoparticles in the particular steps of the technology of their production, and purification of the air at the workplace and atmospheric environment, requires of the efficient method of separation of particulate matter from the carrier gas.



KEYWORDS

Authors are requested to choose the keywords for their papers from this list only. Please use 4-8 Keywords to describe your paper.

Acetonitrile	Belt Closure	Cake Height	Coagulation
Activated Carbon	Belt Filter	Cake Liquefaction	Coal
Activated Sludge	Beta-Cyclodextrin	Cake Press Device	Coalescence
Additives	Beverages	Cake Resistance	Coalescence Filter
Adhesive Forces	Bicomponent Spunbond	Cake Structure	Coating
Adsorption	Nonwoven	Cake Wash	Cocoa
Adsorptive Materials	Binary Suspensions	Calcium	COD
Aeration	Bio Aerosol	Calibration	Coditioning
Aerosol Generation	BIO-CEL®	Candle Filter	Cohesion
Aerosol Spectrometer	Biodegradation	Capillary Membrane	Cohpec
Aerosol	Biodiesel	Capillary Pressure	Collection Efficiency
Affinity	Bioenergy	Carbon Dioxide	Colloid
Agglomerates	Biofiltration	Carbon Nanotube	Colloidal Gas Aphrons
Aggregation	Biofouling	Carnallite	Colloidal Particles
Ageing	Biogas	Cartridge Filter	Colloidal Systems
Air Bubbles	Biological Processes	Cartridge Tester	Combined Processes
Air Cleaning	Biological Tissue	Casein	Combined Sewer Overflows
Air Consumption	Biomass	Catalyst	Combustion
Air Filters	Biomass Burning	Catalytic Cracking	Compaction
Air Intake Systems	Biomass Gasification	Catalytic Filter	Complex Structures
Air Pollution	Biomass Separation	Catalytic Manganese Removal	Composite Membrane
Air Pollution Control	Biomimetic Membrane	Cellulose Fibers	Composting
Air Scouring	Biopharmaceuticals	Cellulose Filter	Compressed Air Filters
ÅKTAcrossflow®	Bioproducts	Centrifugal Field	Compressibility
Al ₂ O ₃	Bioseparation	Centrifugal Filtration	Compressible Filter Cakes
Alcohol	Biotechnology	Centrifugal Separator	Compressible Porous Media
Alginate	Biotensides	Centrifugal Spinning	Compression
Alginic Acid	Blinding	Centrifugation	Compressive Pressure
Alkaline	Blocking Filtration	Centrifuge Dryer	Compressive Yield Stress
Alumina	Blood	Ceramic	Computational Fluid Dynamics
Aluminium	Blow-Back System	Ceramic Filter	Computer Simulation
Amino Acid	BOD	Ceramic Filter Media	Computer Software
Ammonia	Boiler Feed Water	Ceramic Membrane	Computing Economy
Ammonium Salts	Boltzmann	Cermet	Concentration
Analytical Centrifugation	Bond Number	CFD	Concentration Polarization
Anodizing Plant	Boric Acid	CFD-Simulation	Concentration Profile
Antibiotics	Boron	Challenge Test	Condensation
Antiscalants	Bottom Ash	Charge Effects	Conditioning
Antistatic Filtermedium	Boundary Layer	Charged Membrane	Conductive Membrane
Aquaculture	Bovine Milk	Charged Particles	Confocal Microscopy
Aquaporin	Bovine Serum Albumin	Charging	Consolidation
Arsenic	Boycott Effect	Chelated Iron	Constant Pressure Cell
Ash	Brinkman Equations	Chemical Oxygen Demand	Constant Pressure Expression
Asphaltene	Brownian Displacement	Chemical Resistance	Constant Pressure Filtration
Asymmetric Membranes	Brownian Motion	Chemical-free Separation	Contaminant Separation
Atmospheric Plasma Spray	BSA	Chemicals	Contamination
Atomization	Bubble	Chiral Resolution	Continuous Sand Filters
Automatic Filter	Bubble Point	Chitosan	Control
Automatic Tracking	Bubble Rise Velocity	Chromatography	Convective Flow
Automotive	Buckypaper	CIP	Coolant Oil
Autopsy	Bulk Material	Clarification	Copper
	Bulk Solids Flow	Clarifier	Copper Flotation Concentrate
	Butter	Classification	Core Shell Particles
Backflushing		Clay	Corona-Quenching
Backwash filter	Cabin Air	Cleanability	Coulomb Force
Backwashing	CAD Data	Cleaning	Counter Current Washing
Bacteria	Cake Deliquoring	Cleaning In Place	Counter Current Cake Wash
Baffle plate	Cake Detachment	Cleaning Interval	Coupled Pressure Pulse
Bag Filter	Cake Discharge	Clogging	Creaming
Baghouse Filter	Cake Filtration	CLSM	Creaming Velocity
Beaker Centrifuge	Cake Formation	CMC	Creep Effect
Beer Filtration			

KEYWORDS

Critical Flux
 Critical Micell Concentration
 Cross-Flow Filtration
 Cross-Flow Separation
 Crude Oil
 Cryptosporidium
 Crystal Fracture
 Crystal Morphology
 Crystal Shape
 Crystallization
 Cut Off Size
 Cut Point
 Cycle Time
 Cyclone
 Cyclone Tube

Darcy Equation
 Dead-End Filtration
 Debottlenecking
 Decantation
 Decanter
 Decolorization
 Decompression
 Dedusting
 Deep Bed Filtration
 Defluoridation
 DEHS
 Deinking
 Deliquoring
 DEM simulation
 Demisting
 Demulsification
 Dendrite
 Deposit Layer
 Deposition
 Deposition Efficiency
 Depth Filtration
 Desalination
 Desaturation
 Design
 Desulfurization
 Deutsch Equation
 Dewatering
 DI Water
 Diafiltration
 Dialysis
 Dialyzer
 Diatomaceous Earth
 Dibromoethane
 Dielectric Barrier
 Diesel Oil
 Diesel Particulate Filter
 Diesel Particulate Trap
 Diesel Soot
 Diffusion
 Dilute Suspension
 Dioxins
 Dirt Holding Capacity
 Disc Filter
 Disc Separators
 Discrete Element Method

 Discrete Phase Model
 Disinfection
 Dispersant
 Dispersion Effect
 Displacement Washing
 Dissolved Air Flotation
 Dissolved Oxygen
 Dissolved Substances
 Distribution
 DLVO Theory
 DOC
 DoE
 Double Cylindrical Filter Press
 Down Stream Processing
 Downscaling
 Drainage
 Drinking Water
 Drop Re-Entrainment
 Droplet Distribution
 Droplet Generator
 Droplet Separation
 Drum Filter
 Dry Filtration
 Dust Cake
 Dust Collector
 Dust Emission
 Dust Filtration
 Dust Loading
 Dust Separation
 Dust Suppression
 Dye
 Dynamic Filtration
 Dynamic Washing

Ecology
 Efficiency Tests
 Effluent
 Effluent Treatment
 Elastic Monofilament
 Electret
 Electrical Charge
 Electroadhesion
 Electro-Chemical Treatment
 Electrochemistry
 Electrodialysis
 Electrofiltration
 Electroflotation
 Electro-Hydrodynamic Flow
 Electrokinetic Effects
 Electrokinetic Flotation
 Electrolysis
 Electrolyte Concentration
 Electro-Magnetic Cyclone
 Electroosmosis
 Electrophoresis
 Electrospinning
 Electrospun Fiber
 Electrostatic
 Electrostatic Charges
 Electrostatic Discharge
 Electrostatic Effects

 Electrostatic Fiber
 Electrostatic Force
 Electrostatic Precipitation
 Emission
 Emission Control
 Emission Measurement
 Emulsifier
 Emulsion
 Emulsion Break Up
 Emulsion Stability
 EN 1822
 Encymatic Catalysis
 Encyme Activity
 Endocrine Disrupting
 Energy Efficiency
 Energy Reduction
 Energy Saving
 Engine Inlet Filter
 Environmental Protection
 Enzymatic Treatment
 Epifluorescent Mikroskopy
 Equipment Selection
 Ethanol
 Evaporation
 Exhaust Gas
 Expanded Bed
 Expression
 Extracellulare Antibiotics
 Extraction
 Extractor-Separator

Fabric Filter
 Fabric Finishing
 Fabrics
 Fast Solvers
 Fermentation
 Fiber
 Fiber Array
 Fiber Composition
 Fiber Diameter Distribution
 Fiber Material
 Fibre Size Distribution
 Fibrous Filter
 Fibrous Media
 Field Enhanced Separation
 FILOS
 Filter Aids
 Filter Ash
 Filter Cake
 Filter Cake Discharge
 Filter Cake Hold Up
 Filter Cake Structure
 Filter Cake Wash
 Filter Cartridges
 Filter Centrifuges
 Filter Cleaning
 Filter Clogging
 Filter Conditioning
 Filter Control
 Filter Creator
 Filter Cycle

 Filter Design
 Filter Efficiency
 Filter Layout
 Filter Loading
 Filter Media
 Filter Medium Resistance
 Filter Monitoring
 Filter Paper
 Filter Performance
 Filter Plates
 Filter Pore Size
 Filter Press
 Filter Scanning Test Rig
 Filter Sheet
 Filter Test
 Filter Test Equipment
 Filter Test Rig
 Filterability
 Filtrate Contamination
 Filtrate Flux
 Filtration
 Filtration Cartridge
 Filtration Efficiency
 Filtration Mechanism
 Filtration Paper
 Filtration Performance
 Filtration Processes
 Filtration Properties
 Filtration Rate
 Filtration Resistance
 Filtration Simulation
 Fine Dust Precipitation
 Fine Filtration
 Fine Particle
 Finishing
 Finite Element Method
 Fire Protection
 Flat Module
 Flat Sheet Membranes
 Floc Characterization
 Floc Size
 Flocculants
 Flocculation
 FlocFormer
 Flooding
 Flotation
 Flow Field
 Flow Instabilities
 Flow Porometry
 Flow Simulation
 Flue Gas Desulfurization
 Fluid Filtration Processes
 Fluid Mechanics
 Fluidized Bed
 Fluid-Structure Interaction
 Fluorescent Labelling
 Fluorides
 Flux Enhancement
 Fly Ash
 Foam Filter
 Fouling

KEYWORDS

- Fourier Transformation
Fractal Analysis
Fractional Efficiency
Fractionation
Frame Module
Freezing
Fructooligosaccharides
Fruit Juice
Fuchs Charging Model
Fuelcell-Membranes
Fuel-Water Separation
Fugitive Dust
Fume
Functional Polymers
Functionalized Surfaces
Fungal Laccase
Fungal Particles
- Gamma Ray Attenuation**
Garland effect
Gas Cleaning
Gas Cyclone
Gas Emission
Gas Filter Media
Gas Filtration
Gas Filtration Cakes
Gas Hold Up
Gas Permeation
Gas Separation
Gasification
Gel Emulsion
Gel Layer
Gel Point
Glass Beads
Glass Fiber
GMP
Grade Efficiency
Granular Bed Filter
Granulated Activated Carbon
Gravity Separation
Green Liquor
Ground Water Treatment
Gypsum
Gypsum Morphology
- HDC**
Health Saving
Heat Exchanger
Heat Recovery
Heat Sensitivity
Heat Transfer Measurement
Heavy Metal
HEC
HEPA Filter
Hexane
HGMS
High Alkalinity
High Efficient Air Filters
High Gradient Magnetic Separation
High Pressure Filtration
- High Temperature Filtration
High throughput experimentation
High Viscosity
Highly Toxic Substances
Hollow Fiber Membrane
Honeycomb Filter
Horizontal Vacuum Filter
Hot Filter Press
Hot Gas Cleaning
Hot Melt Technology
Humic Acid
Hyaluronic Acid
Hybrid Filter
Hybrid Model
Hybrid Processes
Hydraulic Oil
Hydrocyclone
Hydrodynamic Optimization
Hydrodynamics
Hydrogel
Hydrogen
Hydrogen Sulfide
Hydrogen-Bond
Hydrolysis
Hydrophilic
Hydrophilic Nanocoating
Hydrophobic
Hydrophobic Membrane
Hydrophobic Nanocoating
Hydrophobic Pores
Hydrostatic Pressure
Hydroxide Polymer
Hygienic Design
Hygroscopicity
Hyperbaric Filtration
Hypochloride
- Image Analysis**
Immobilization
Impactor
Impregnation
Impurities
In Situ Testing
Inclined Plates
Inclined Settling
Incompressible Flow
Increased Turbine Efficiency
Industrial Waste Water
Inhalation
Inorganic Membrane
In-Situ Measurement
Intake Air Filtration
Integrity Test
Interfacial Tension
Inter-Particle Interaction
Inverting Filter Centrifuge
Ion Exchange
Ionic Environment
Ionic Liquids
Ionic Strength
Iron
- Iron Removal
ISO 12500
ISO 29463
ISO Guidelines
Isobaric Particle Size
Isoelectric Point
Isopropanol
- Jet Atomization**
Jet clean filter
Jet Pulse
Jet Trajectory
Jordan Petroleum Refinery (JPR)
Juice
- Kaolin**
Kieselguhr
Knudsen
Kraft Pulp
- Laboratory Device**
Laboratory Filter Cell
Lactose
Lamella Settler
Lamination
Landfill
Landfill Leachate Treatment
Laponite
Large Non-Spherical Particle Model
Laser Diffraction
Laser Fluorescence Macroscopy
Laser Perforation
Lattice Boltzmann Method
Leaching
Lecithin
Levigates
Life Cycle Cost
Light Dispersion
Light Extinction
Light Scattering
Lignite
Limestone
Linseed Oil
Liposomal Enhanced
Liquid Circulation Velocity
Liquid Filter Media
Liquid Filtration
Liquid Storage
Liquid-Liquid Separation
Local Measurement
Low Pressure Plasma Coating
Low Pressure Reverse
Lube oil
Lubricant Treatment
Lysozyme Crystals
- Macromolecule**
Magnetic Carrier
Magnetic Enhanced
Magnetic Field
- Magnetic Filtration
Magnetic Resonance Imaging
Magnetic Separation
Magnetic Structuring
Magnetite
Maintenance Costs
Mass Flow Properties
Mass Transfer
MATLAB
MBR
MC
Mechanical-Thermal Treatment
Meltblown Filter Media
Membrane
Membrane Bio-Reactor
Membrane Defects
Membrane Filtration
Membrane Fouling
Membrane Photoreactor
Membrane Processes
Membrane Reactor
Membrane Scaling
Membrane Separation
Membrane Technology
Mercury
Mesoporous Particles
Metal Fiber Filter
Metal Ions
Metal Removal
Metal Working Fluids
Metal-Hydroxide Sols
Metalhydroxide Suspension
Methane
Micelle
Micro Scale Processes
Micro Sieves
Micro Structure
Micro Wave Drying
Microfiltration
Microflotation
Microorganism
Microporous Membrane
Microstructural Analysis
Microstructure
Milk
Mineral
Mineral Suspensions
Mineral Wool
Mining Industry
Mist
Mist Filtration
Mist Separation
Mixing
Modelling
Module
Molasses Purification
Molecular Dynamics
Monofilament
Monoliths
Motion Trajectory
Moving Bed Washing

KEYWORDS

MPPS
MRI
MTCw
Multi Layer Filtration
Multi Pass Test
Multi Scale Simulation
Multi Stage Flash
Multicomponent Fiber
Multifilament
Multigrid
Multilayer Structures
Multipass Test
Multiphase Flow
Multiphase Modelling
Multiphase Simulation
Multiple Stage Filters
Multipurpose
Multistage Process
Multivariate Statistics
Municipal Waste Water

Nanofibers
Nanofibre Nonwovens
Nanofiltration
Nanotechnology
Natural Gas
Navier-Stokes Equations
Network Model
Neutralisation
Phosphate Concentrate
Newtonian Fluids
Nitrogen
NMR
Non-Newtonian Fluids
Non-Woven Filters
Nonwovens
Nozzle Centrifuge
Nozzle Separators
Numerical Simulation
Nutrients
Nutsch Filter

Odor
Oil Cleaning
Oil Content
Oil Droplets
Oil Filtration
Oil mist
Oil Mist Separator
Oil Removal
Oil Sand
Oil Sludge
Oilseed Material
Okara
Oleophobic Nanocoating
Olfactometry
OMD
Online Control
Online Monitoring
On-Line Sampling
Open Structure

OpenFOAM®
Operating Temperature
Optical Expenses Meter
Optical Measurements
Optical Particle Counter
Optical Particle Measurement
Optimal Nozzle Parameters
Organic Acid
Organic Contaminants
Organic Fouling
Organic Solvents
Organophilic Membrane
Oscillating Flow
Osmosis
Osmotic Pressure
Overflow
Overpressure
Oxalic Acid
Oxidation
Ozone

Panel Bed Filter
Paper
Paper Industry
Paper Pulp
Parameter Identification
Particle Bridging
Particle Charging
Particle Concentration
Particle Counting
Particle Deposition
Particle Destruction
Particle Detection
Particle Generation
Particle Image Velocimetry
Particle Interaction
Particle Measurement
Particle Rearrangement
Particle Separation
Particle Shape
Particle Simulation
Particle Size Distribution
Particle Size Reduction
Particle Sizing
Particles Release
Particulate Emissions
Particulate Filter
Particulate Material
Particulate Respirator
Parvovirus Removal
Patchy Cleaning
Pathogens
PCDD/F Destruction
PDMS
Penetration
Peptiser
Percolation
Permeability
Permeate Flux
Permeate Quality

Peroxidase
Pervaporation
pH
Pharmaceuticals
Phenolic Polymers
Phenomenologic Model
Phosphate
Phospholipides
Phosphoric Acid
Photo Catalysis
Photo Catalytic Membrane
Photocatalysis
Physicochemical Properties
Physico-Chemistry
Pigments
Pilot Plant
Pinholes
Plane Filter
Plasma
Plasma Coating
Plasma Polymerization
Plasmid DNA
Plastic Deformation Plate
Plastics
Plate and Frame Filter Press
Pleatability
Pleated Filter
PM2.5
Polarisation
Polarization Layers
Polishing Filter
Pollutant
Pollutant Ions
Pollutant Reduction
Pollution Control
Polyaniline Membrane
Polydisperse Particles
Polyelectrolyte
Polyethersulfone
Polymer Desorption
Polymers
Polymethylmethacrylate
Polyphenol
Polysaccharides
Polystyrene Latex
Polysulfone Membrane
Polyvinylidene-Fluoride Fabrics
Pool Water
Population Balances
Pore Blocking
Pore Size
Pore Size Distribution
Pore Structure
Porometry
Porosimetry
Porosity
Porosity Gradient
Porous Media
Potassium Chloride
Potassium Permanganate
Power Consumption

Poydispersity
PPCC-Process
Precipitation
Precoat Filtration
Precursor
Pressfiltration
Pressure Drop
Pressure Electrofiltration
Pressure Filtration
Pressure Loss
Pressure-Drop Evolution
Pressurized Air Filtration
Pretreatment
Probability Model
Process Design
Process Filter
Process Intensification
Process Optimisation
Process Steam Recycling
Produced Water Treatment
Production
Protein
Protein Fouling
PSD
PTA
PTFE Membrane
Pulp and Paper
Pulsation
Pulse Jet Cleaning
Pulsed Electric Field
Pulsed Electric Fields
Punch Density
Purification
Pusher Centrifuge
PVDF
Pyrolysis

Quality Assurance

Radioactive Aerosols
Reactive Catalytic Filters
Reactor
Recirculation
Recovered Paper
Recovery
Recycling
Reduced Acid Loss
Reduced Volume Filters
Regeneration
Regression Analysis
Rejection Cleaning
Relative Permeability
Removal Efficiency
Removal Tension
Replacement
Residual Pressure Loss
Resistance of Filter
Retention Efficiencies
Reuse
Reverse Osmosis
Rheology

KEYWORDS

Rice Hull Ash
Road Tunnel
Rollfit
Rotamat Centrifuge
Rotary Pressure Filter
Rotary Vacuum Filter
Rotating Disc Filter
Rotating Disc Membrane
Rotating Filter
Rotogravure
Roughness
Rutile

Saccharomyces Cervisiae
Salicylic Acid
Salt Induced Flocculation
Sand Filter
Sandwich Systems
Saturation
SAXS
SBC Reactor
Scalant Removal
Scale
Scale Inhibition
Scale-up
Scattered Light Particle Sizer
Screen
Screen Centrifuge
Scrim Reinforcement
Scrubber
Scrubber Venturi
Scrubbing
SDI Reduction
Sea water
Sediment Compaction
Sedimentation
Segregation
Selective Adsorption
Selective Bioseparation
Selective Separation
Selectivity
Self Adjusting Interface Level
Self Cleaning
Self Cleaning Membrane
Self Cleaning Separators
SEM
Sensitivity Analysis
Sensor
Separation
Separation Efficiency
Separators
Service Costs
Service Life
Settling Tank
Settling Test
Settling Time
Sewage Screenings
Sewage Sludge
SFE
Shear Yield Stress
Ship Wastewater

Shrinkage Cracks
Sieving
Sieving Filtration
Silica
Silicon Nitride Microsieve
Silver
Simulation
Single Fiber Collection
Single Fiber Efficiency
Sintered Filter Media
Skim Milk
Sleeve Filter
Slip Flow
Slitting of Filter Materials
Slotted Pores
Sludge
Sludge Conditioning
Sludge Filtration
Sludge Flocculation
Smoke
SMPS
Sodium Chloride
Soft Colloid
Software
Solar Energy
Sol-Gel
Solid bowl centrifuge
Solid-Liquid Expression
Solid-Liquid-Separation
Solubility
Solvent
Solvent Replacement
Solvent Resistant Membranes
Solvent Stripping
SOM
Soot
Sorpitive Separation
Sorting
Soy Protein
Space Reduction
Spacer
Spiral Plate Pack
Spiral Wound Module
Spunbond
Spunlaced Media
Star-Bag
Starch
Static Filter
Statistics
Steam Centrifugation
Steam Drying
Steam Washing
Steam-Pressure-Filtration
Stearic Acid
Sterility
Stirring
Stochastic Modelling
Storage Tanks
Storm Water
Streaming Potential
Street Sweeping

Subgrid Resolution
Submicron Particles
Sugar
Sugar Beet
Sulfathiazole
Sulfur
Sulfur Dioxide
Supercritical CO2
Surface Chemistry
Surface Filtration
Surface Forces
Surface Modification
Surface Morphology
Surface Runoff
Surface Water
Surfactants
Suspension
Sustainable Production
Sweet Lime
Swelling
Synthetic Sludge

Tallium Chlorides
Tangential Flow Filtration
Taylor-Galerkin Scheme
Teflon
Terephthalic Acid
Test Dust
Test Rig
Testing Procedures
Textile Structures
Thawing
Thermal Analysis
Thermal Rebound
Thermal Stability
Thermophilic Bacteria
Thermophoresis
Thermosensitivity
Thickener
Thickening
Threedimensional Imaging
Threedimensional Pore Morphology
Threedimensional Flow
TIC and TIM Adsorption
Titanium Dioxide
TOC Removal
Tofu
Tomography
Tornado Press
Toxic Compounds
Trace Elements
Tracer
Transmembrane Flux
Transmembrane Pressure
Transmission Measurement
Transparent Exopolymer Particles
Transport in Porous Medium
Tricalciumphosphate
Triglycerides

TSS Removal
Tube Settler
Tubular Bowl Centrifuges
Tubular Membranes
Tubular Module
Tunnel Air Filtration
Turbidity
Turbulent Dispersion
Turbulent Flow
Two Phase Flow

ULPA Filter
Ultra Low Sulfur Diesel
Ultrafiltration
Ultrapure Water
Ultrasound
Urban Drainage

Vacuum
Validation
VDI 3926
Vegetable Oil
Venturi Nozzle
Venturi Scrubber
Vertical Filter Press
Vibration
Virtual Material Design
Virus
Virus Filter
Viscosity
VOC
Void Network
Vortex

Wash Chamber
Washing
Washing Press
Waste Gasification
Waste Treatment
Waste Water
Water Consumption
Water Separator
Water Treatment
Water-Functional Polymers
Water-Spray

X-Ray Tomography

Zeta Potential