



EUBCE 2026 – Keywords

Please take a moment to carefully select your keywords, as they will be used by readers to search for relevant information in the Proceedings.

Choose **three to six keywords that best represent your paper** and include them as specified in the Instructions for Preparation of Papers. If a keyword you wish to use is not listed, you may include additional keywords as needed.

A

- absorption
- action plan
- activated carbon
- additives
- adsorbent
- aerosol
- agricultural biogas plant
- agricultural intensification
- agricultural residues
- agriculture
- agroenergy farm
- agroindustrial residues
- agropellet
- algae
- alkali
- allothermal conversion
- allothermal gasification
- alternative energy
- alternative fuel
- alternative fuel vehicle
- ammonia
- anaerobic digestion
- anaerobic process
- analysis
- animal fat
- animal residues
- annual herbaceous crops
- arundo donax
- ashes
- assessment

B

- bacteria
- bales

- bark
- barriers
- batch reactor
- biobased economy
- biobased products
- biochar
- biochemical
- biocoke
- biodegradability
- biodegradable fraction
- biodiesel
- biodiversity
- bioeconomy
- bioenergy
- bioethanol
- biofertilisers
- biofiltering
- biofuel
- biogas
- biological conversion
- biomass
- biomass to liquid (BtL)
- biomaterial
- biomethanol
- bioplastic
- biopolymers
- biopower
- bioproducts
- biorefinery
- biorefining
- biotechnology
- boiler
- brassica carinata
- briquette
- business issue

C

- calorific value
- carbohydrate crops
- carbon credits
- carbon dioxide (CO₂)
- catalysis
- catalyst
- catalytic conversion
- cellulose
- centralised
- centralised generation
- ceramic material
- certificate trading
- certification
- certification issues
- char
- characteristics
- characterization
- charcoal
- chemical composition
- chip
- circular economy
- circulating fluidised bed (CFB)
- clean development mechanisms (CDM)
- clean synthesis gas
- climate
- climate change
- climatic conditions
- clones
- CO₂ balance
- CO₂ capture
- CO₂ emission
- CO₂ reduction
- coal

- _ cocombustion
- _ coconut
- _ cofiring
- _ cogeneration
- _ combined heat and powergeneration (CHP)
- _ combustion_ commercial plant
- _ commodity market
- _ common agricultural policy (CAP)
- _ compaction
- _ competitiveness
- _ complex
- _ composition
- _ composting
- _ control systems
- _ controlled release
- _ conversion
- _ conversion systems
- _ conversion technology
- _ cooking systems
- _ cooling
- _ cooperation
- _ corn
- _ corrosion
- _ cost analysis
- _ costs
- _ crop
- _ cultivar
- _ cultivation
- _ cynara cardunculus

D

- _ database
- _ decarbonisation
- _ decentralised
- _ decentralised generation
- _ decision making
- _ dedicated biopower plant
- _ demand
- _ demonstration
- _ densification
- _ desalination schemes
- _ desert
- _ desertification
- _ developing countries
- _ diesel
- _ diester
- _ digestate
- _ digestion
- _ dimethyl ether
- _ distributed generation
- _ distribution

- _ district heating
- _ dry matter
- _ drying
- _ dual fluidized bed

E

- _ ecology
- _ economical aspects
- _ economics
- _ ecosystems
- _ education
- _ efficiency
- _ effluent
- _ elasticity
- _ electric osmosis
- _ electricity
- _ electricity sector
- _ emissions
- _ emission factor
- _ emissions trading
- _ emulsion
- _ end products
- _ energetic value
- _ energy
- _ energy balance
- _ energy crops
- _ engine
- _ environmental impact
- _ environmental limitations
- _ environment
- _ enzymatic hydrolysis
- _ enzymatic process
- _ enzyme
- _ esterification
- _ ethanol
- _ ethyl acetate
- _ ethyl tertiary butyl ether (ETBE)
- _ eucalyptus
- _ European Union (EU)
- _ explosion pretreatment
- _ external effects
- _ externalities assessment

F

- _ farm
- _ fast pyrolysis
- _ feasibility studies
- _ feeds
- _ feeding systems
- _ feedstock
- _ fermentation
- _ fertilization
- _ fibre sorghum
- _ fibre

- _ filtration
- _ financial aspects
- _ financing
- _ Fischer Tropsch
- _ fixed bed
- _ flash pyrolysis
- _ fluidized bed
- _ fly ashes
- _ food
- _ food additives
- _ forest residues
- _ forestry
- _ fouling
- _ fuel
- _ fuel cell

G

- _ gas cleaning
- _ gas turbine
- _ gaseous biofuel
- _ gasification
- _ generation
- _ genetic improvement
- _ genotype
- _ geographical information system (GIS)
- _ globalisation
- _ governance
- _ grain
- _ grass
- _ green certificates
- _ green chemistry
- _ green electricity market
- _ greenhouse gases (GHG)
- _ guidelines

H

- _ harvesting
- _ heat
- _ heavy metals
- _ hemicellulose
- _ hemp
- _ high calorific value
- _ hot gas cleaning
- _ households
- _ hydrogasification
- _ hydrogen
- _ hydrolysis

I

- _ impact
- _ implementation
- _ industrial chemicals
- _ industrial scale application

- _ industry
- _ inhibitors
- _ innovative concepts
- _ integrated gasification combined cycle (IGCC)
- _ integration
- _ internal combustion engine
- _ international
- _ irrigation

J

- _ jatropha curcas
- _ joint implementation (JI)

K

- _ kenaf
- _ Kyoto protocol

L

- _ land use
- _ landfills
- _ landfill gas
- _ large utility
- _ learning curve
- _ legal aspects
- _ life cycle assessment (LCA)
- _ lignin
- _ lignocellulose
- _ lignocellulosic sources
- _ liquefaction
- _ liquid biofuel
- _ local
- _ logistics
- _ losses
- _ low calorific value
- _ low temperature

M

- _ macroalgae
- _ maize
- _ management
- _ manure
- _ marginal effects
- _ market
- _ market forecasts
- _ marketing
- _ mass balance
- _ mass flow analysis
- _ measurement
- _ mechanization
- _ methane
- _ methanol

- _ microturbine
- _ microalgae
- _ miscanthus
- _ mixed biomass pellet
- _ mixtures
- _ model
- _ modelling
- _ moisture
- _ monitoring
- _ municipal solid waste (MSW)

N

- _ national
- _ natural gas
- _ new cultivar
- _ nitrogen/carbon ratio
- _ novel crops
- _ NO_x emission

O

- _ oil
- _ oil crops
- _ oilseeds
- _ olive tree
- _ operation and maintenance
- _ organic rankine cycle (ORC)
- _ organic waste
- _ oxidation
- _ oxygenated compounds

P

- _ palm
- _ palm oil
- _ panels
- _ panicum virgatum
- _ paper
- _ paper production
- _ particle emission
- _ peat
- _ pellet
- _ pelletization
- _ perennial energy crops
- _ performance
- _ pesticides
- _ petrochemicals substitute
- _ photosynthesis
- _ pilot plant
- _ plant
- _ policies
- _ polluted soil

- _ pollution
- _ polygeneration
- _ poplar
- _ potential
- _ power generation
- _ pretreatment
- _ process heat
- _ processing industry
- _ product gas
- _ production
- _ project
- _ project development
- _ promotion
- _ protection issues
- _ proteins
- _ pulp
- _ pyrolysis
- _ pyrolysis oil

Q

- _ quality
- _ quality standards

R

- _ rapeseed
- _ rapeseed oil
- _ reactivity
- _ reactor
- _ recycling
- _ reduction
- _ reed canary grass
- _ reforestation
- _ reforming
- _ regional
- _ regulation
- _ removal
- _ renewable energies
- _ residues
- _ resources
- _ rice husks
- _ rice straw
- _ rotation
- _ round wood
- _ run off
- _ rural development

S

- _ sampling
- _ sawdust
- _ second generation
- _ security
- _ seeds

- _ set-aside agricultural land
- _ sewage sludge
- _ sewage treatment
- _ shell
- _ short rotation forestry (SRF)
- _ sintering
- _ sludge
- _ small scale application
- _ social aspects
- _ socio-economic impact
- _ software
- _ soil fertility
- _ solid biofuel
- _ sorghum bicolor L. Moench
- _ stakeholders
- _ stand-alone systems
- _ standards
- _ standardisation
- _ steam
- _ steam engine
- _ steam explosion
- _ stirling engine
- _ storage
- _ stove
- _ strategies
- _ strategy
- _ straw
- _ structure
- _ study
- _ sugar
- _ sugar beet
- _ sugar cane
- _ sugar cane bagasse
- _ sugar crops
- _ sunflower
- _ sunflower oil
- _ supply
- _ supply chain
- _ sustainability
- _ sustainability criteria
- _ sustainability standards
- _ sweet sorghum
- _ switchgrass
- _ strengths weaknesses opportunities threats (SWOT) analysis
- _ syngas
- _ synthetic natural gas (SNG)

T

- _ tar
- _ tar removal

- _ technology
- _ temperate regions
- _ tertiary sector
- _ thermochemical conversion
- _ timber
- _ torrefaction
- _ toxicity
- _ trade
- _ training
- _ transesterification
- _ transport
- _ transport sector
- _ transportation
- _ treatment
- _ trigeneration
- _ tropical regions

U

- _ upgrading
- _ urban area
- _ urban wastes
- _ utility scale

V

- _ vegetable oil
- _ vehicles
- _ venture capital
- _ viscosity

W

- _ waste
- _ waste disposal
- _ wastewater
- _ wastewater treatment
- _ water use
- _ wheat
- _ wheat straw
- _ willow
- _ winery
- _ wood
- _ wood chip
- _ wood crops
- _ wood pellet
- _ worldwide deployment

Y

- _ yield

ADDITIONAL KEYWORDS

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