



Institute of Technology and Business in Ceske Budejovice

- ✓ flexible and interdisciplinary team with financial and environmental sustainability in mind
- ✓ addressing and reshaping the market (patents; expert opinions; advisory services; forensic expertise; investment consulting; technology design, production optimization; custom research; bringing new products and services to the market etc.)
- ✓ expanding the boundaries of human knowledge (publications; editing and reviewing services; research projects; conferences etc.)

see what we've been through



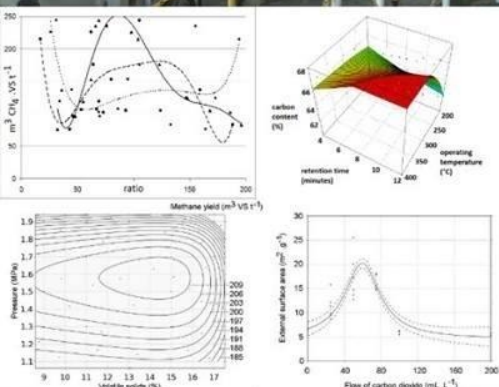
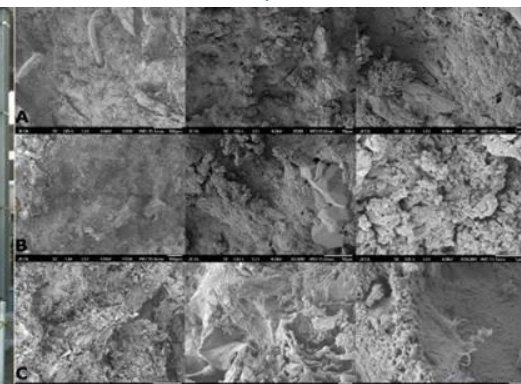
anaerobic fermentation;
water management;
sewage sludge

pollutants immobilization;
filtration; (bio) availability;
heavy metals;
particulate matter

plant production;
fertilization;
nutrient management;
phytotechnology

hydrolysis;
steam-explosion;
ammonia fiber expansion;
mixing; maceration

cosmetics; skin masks;
bioactive agents;
cleaning chemistry



financial optimisation;
process management;
circular economy;
forensic expertise

liquid biofuels;
fuel additives;
biodiesel; algae; fuel
oxidation; synthetic fuels

solid biofuels;
power to gas;
biological water-gas-shift;
composts; growing media

pyrolysis; torrefaction;
(bio)refining; solvents;
energy recovery

lignocellulose processing;
shockwave pretreatment;
intracellular disintegration;
emulsions; oils

plastic regeneration;
material valorization;
biodegradable
packaging; plastic waste
management

(bio)waste management;
black soldier fly; protein
recovery; insect refining

highly cited papers;
dozens of patents;
membership in editorial
boards of impacted
journals

nutrient recovery;
phosphates; ammonium
nitrate; availability to
plant intake; agronomy

soil/ water/plant/
nutrient interactions;
biochar; soil fertility;
water retention; soil
organic matter



biowaste in civil
engineering; cement
substitutes; carbon black;
lightweight concrete;
active plasters

process design; expert
opinions; techno-
economic analysis;
material and energy
flows; risk assesment

biologically active
compounds; flavours;
colourings; preservatives;
nanoparticles; fillers

cross – disciplinary;
ethically driven research;
carbon sequestration;
circularity; bioeconomy;
environment - friendly

foods drinks and feeds;
beers and wines
production; fermented
products

Thank you for your attention

- We have a lot of experience with all the applications discussed, feel free to contact us!

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