

SUBJECT CLASSIFICATION FOR BIORESOURCE TECHNOLOGY

20.000 BIOLOGICAL WASTE TREATMENT

- 20.010 Activated sludge
- 20.020 Aerobic digestion
- 20.030 Anaerobic digestion
- 20.040 Biodegradation of toxic compounds
- 20.050 Biofiltration
- 20.060 Biological nutrients removal
- 20.060 Bioremediation
- 20.070 Biosorption of heavy metals
- 20.080 Constructed wetlands for industrial effluents
- 20.090 Environmental bioengineering
- 20.100 Membrane technology
- 20.110 Phytoremediation of wastewaters
- 20.120 Biotreatment of food, dye and textile industry effluents
- 20.130 Solid waste management

30.000 BIOFUELS & BIOREFINERIES

- 30.010 Biodiesel production
- 30.020 Bioethanol production
- 30.030 Biobutanol production
- 30.040 Biogas production
- 30.050 Biohydrogen production
- 30.060 Biofuels from algae
- 30.070 Energy and Greenhouse gas balances of biofuels
- 30.080 Life cycle assessment of biofuels
- 30.090 Microbial fuel cells
- 30.100 Modelling

40.000 BIOMASS & FEEDSTOCK UTILIZATION

- 40.010 Enzymatic conversion/treatment of cellulose/lignocellulose
- 40.020 Composting (production)
- 40.030 Enzymatic pulping
- 40.040 Municipal wastes
- 40.050 Vermicomposting (production)

50.000 BIOPROCESSES

- 50.010 Algal cultivation and harvesting
- 50.020 Biocatalysis
- 50.030 Bioleaching
- 50.050 Design and operation of bioreactors
- 50.060 Heat & mass transfer effects
- 50.070 Kinetics
- 50.080 Modeling
- 50.090 Optimization of bioprocess
- 50.100 Protein engineering
- 50.110 Solid-state fermentation
- 50.120 Submerged fermentation

60.000 MICROBIAL PRODUCTS

- 60.010 Biofertilizers
- 60.020 Biopesticides
- 60.030 Biopolymers

60.040 Biosurfactants

60.050 Enzymes & other proteins

60.060 Mushrooms

60.070 Organic acids

60.080 Other metabolites and products

60.090 Secondary metabolites

70.000 PHYSICO-CHEMICAL & THERMO-CHEMICAL PROCESSES FOR BIOMASS

70.010 Catalysis

70.020 Combustion

70.030 Gasification

70.040 Other thermo-chemical processes

70.050 Physical treatment

70.060 Pretreatment for further processing

70.070 Pulping

70.080 Pyrolysis

70.090 Steam explosion