

Subject Index

A

- Agricultural conservation and management practices, 29
- Alachlor, 303
- Alkylbenzene sulfonates
 - biodegradability, 393
- Amphibians, freshwater, 288
- Artificial intelligence, nonmetric clustering, 79
- Assessment endpoints, 3
- Assessment process, risk, 61
- Assessment protocol, rapid, 29
- Assessment tools, 3
- Association analysis, 133
- ASTM standards
 - D 2667: 393
- Automated biomonitoring system, 365

B

- Bioaccumulation, 111, 216, 242
- Boric acid, 288

C

- Cadmium, 377
- Chemical analyses, 61
- CHEMICALC2, 318
- Chromatography, high performance liquid, 267, 351
- Chromium, 377
- Clay minerals, 187
- CLOGP, 318
- Clustering, nonmetric, 79
- Copper, 242, 377
- Co-product allocation, 332
- Correlation structure, 97
- Cucumber, 377
- Cucumis sativus*, 377

D

- Daphnia magna*, 157, 288
- Dependency bounds, 97

- Diflubenzuron, 267
- Dose-response data, 3, 216, 242

E

- Echinochloa crusgalli*, 187
- Embryotoxicity, shrimp, sediment effect on, 267
- Endpoints
 - assessment, 3
 - mortality, 172, 288, 377
 - toxicity testing, 79
- Energy accounting, 332
- Escherichia coli*, 157
- Expert systems, 79
- Exposure-response assays, 3

F

- Fast Fourier transformation, 365
- Fate modeling, 111
- Field monitoring, 79
- Field screening, 61
- Field tests, 216, 242
- Fish, 157, 172, 288, 351, 365
- Freshwater versus saltwater, boron toxicity, 288

G

- Gambusia affinis*, 288
- Geographic information systems, 3
- Glovers Creek Watershed Protection Project, 29
- Glucose, substituted, 393
- Growth rate/inhibition, 172, 187, 201, 351
 - grass shrimp, 267
 - mussels, 216, 242
 - plant, 377

H

- Herbicides, 303
- Hydrophobicity, 172, 318

I

Impact assessment, 332
 Individual-based models, 157
 International Organization for Standardization, 332
 Invertebrates, 288

J

Jet fuel, 133

L

Lactuca sativa, 377
 Lake Ontario, 111
 Lettuce, 377
 Lifecycle assessment, 332
Limanda limanda, 288
Limnoria lignorum, 288

M

Macroinvertebrates, 29
 Manganese, 377
 Metals, 377
 Methylene blue, 393
 Microcosm, multivariate analysis in, 133
 Millet, 377
 Milltown Reservoir wetlands, 61
 Minnow, 172, 288
 Modeling, 318
 capabilities, 3
 fate, 111
 individual-based, 157
 predator-prey community, 157
 transport, 111
 upwardly scaled, 3
 Monte Carlo simulation, 97
 Multispecies tests, 79
 Multivariate analysis, 133
 Mussel transplants, 216, 242
Mytilus galloprovincialis, 216
Mytilus trossulus, 242

N

Narcosis, 172
Nereis (Neanthes) arenaceodentata, 201
 Nickel, 377

Nonlinear oscillations, 133
 Nonmetric clustering, 79, 133
 Nonpoint source pollution, 29

O

Octanol-water partition coefficients, 318
Oncorhynchus mykiss, 157, 351

P

Palaemonetes pugio, 267
Panicum miliaceum, 377
 Pentachlorophenol, 351
 Photosynthesis, pondweed, 303
Pimephales promelas, 172, 288
 Plastics, 332
 Polychaetes, 201
 Polychlorinated biphenyls, 111
 Pondweed, 303
Potamogeton pectinatus, 303
 Predator-prey communities, 157
 Probabilistic arithmetic, 97
 Puget Sound, 242
 Pulp mill effluents, 351

Q

Quantitative structure activity relationships, 157, 318

R

RBP II, 29
 Respiration, pondweed, 303
 Respiratory uncoupling, 172
 Rhizosphere microorganisms, 187
 Root elongation, 377
 Root nodulation, 187

S

Sago pondweed, 303
 Salmonids, 111
 San Diego Bay, 216
 SCAS, semicontinuous activated sludge test, 393
 Screening methods
 field, 61
 laboratory, 61

Sediments, 61, 201, 216, 242, 267
 simulated, 187
Sesbania macrocarpa, 187
 SETAC, 332
 Shelter Island Yacht Basin, 216
 Shrimp, grass, 267
 Sludge test, 393
 Sodium borate, 288
Spartina alterniflora, 187
 Split screen video techniques,
 wastewater toxicity, 365
 Standard Aquatic Microcosm, 133
 Strip-chart readings, wastewater
 toxicity, 365
 Surfactants, 318, 332, 393

T

TBT, 242
Tetrahymena pyriformis, 157, 172
 Tissue accumulation, 242
 Transplant mussels, bioassays
 with, 216, 242
 Transport modeling, 111
 Trout, 157, 351

V

Volume fraction analyses, 172

W

Wastewater toxicity, 365, 377
 Water food webs, 111, 157
 Water plants, 187
 Water flea, 157, 288
 Water sediments, 187, 201, 242,
 267
 Watershed protection project, 29
 Water soluble fraction, 133
 Waveform, 365
 Wetlands, 187
 risk assessment, 61
 Worms, 201
 Worst case analysis, 97

X

Xenobiotic transformation, 351

Z

Zinc, 377