

Pollution, Metal Ecotoxicology, Metal Biogeochemistry, Metal Bioavailability Metalbioaccumulation, Metal toxicity, Environmental processes of metals, Bio monitoring, Biomarkers, Bioassays. Charles Wong, University of Winnipeg, Winnipeg, Manitoba, Canada Baoshan Xing, University of Massachusetts, Amherst, Massachusetts, USA Editorial Board: Dula Amarasinghe, Hampshire College, Amherst, Massachusetts, USA Metal Pollution Environmental trace metal determination (ICP-MS, LA-ICP-MS) Metal chemical speciation Toxic metals in soils Tissue level elemental bioimaging Nanoparticles in Environment Environmental remediation -metals Humic substances in the environment Allen Barker, University of Massachusetts, Amherst, Massachusetts, USA Nigel Bell, Imperial College London, Kensington, London, UK Effects of air pollution on managed and natural ecosystems; radioecology; waste management Thomas Borch, Colorado State University, Fort Collins, Colorado, USA Hydraulic fracturing, emerging contaminants, uranium mining, and carbon sequestration Birgit Braune, Carleton University, Ottawa, Ontario, Canada Arctic, marine ecosystems, birds, metals, organo-compounds, biomonitoring, biological effects Juergen Burkhardt, University of Bonn, Germany Andrzej Bytnerowicz, U.S. Department of Agriculture (USDA), Forest Service, Riverside, California, USA Air pollution; monitoring; ozone; atmospheric deposition of nitrogen and sulfur; critical loads; impacts of wildland fires on air quality; evaluation of forest health; interactive effects of air pollution and climate change on terrestrial ecosystem; ambient air quality standards; passive samplers. Art Chappelka, Auburn University, Auburn, Alabama, USA Air pollution and global climate effects to terrestrial ecosystems; native plant community responses (shifts in diversity) to air pollutants and global climate change; plant-stress-air pollution/global climate change interactions; urban ecology and ecosystem services Thomas Custer, U.S. Geological Survey (USGS), Lacrosse, Wisconsin, USA Alessandra De Marco, ENEA Centro Ricerche Casaccia, S. Maria di Galeria, Rome, Italy AUTHOR INFORMATION PACK 13 Apr 2017 www.elsevier.com/locate/envpol3 Impacts of air pollution on vegetation, with particular interest on ozone and nitrogen deposition; climate change and air pollution interactions and their synergistic impacts on ecosystems; integrated assessment modelling for evaluating impacts of policies and measures to reduce air pollution; nitrogen cycle and nitrogen budget and their importance in agricultural field Marisa Domingos, MutaGen Brasil, Monte Alegre, Ribeirão Preto, Brazil Environmental pollution and climatic change effects on natural vegetation, particularly in the tropics and subtropics Air-plant-soil interactions in polluted terrestrial ecosystems Physiologic, metabolic, structural/ultrastructural markers of increased plant tolerance against air pollutants and other environmental stressors Disturbances on nutrient dynamics in polluted terrestrial ecosystems Physiognomic/landscape disturbances in polluted terrestrial ecosystems The search of innovative biomonitoring techniques for evaluating risks posed by air pollutants Ozone, nitrogen and sulfur oxides, particulate matter, fluorine, trace metals, polycyclic aromatic hydrocarbons Juerg Fuhrer, AGROSCOPE, Zurich, Switzerland Air pollution and climate change effects on crops, plant communities and agroecosystems, greenhouse gas fluxes in agricultural systems Jiming Hao, Tsinghua University, Beijing, China Marcus Hauck, Georg-August Universität Göttingen, Göttingen, Germany lichen biology epiphyte biology global change biology metals in forest ecosystems Magali Houde, Environment Canada, Montreal, Quebec, Canada Aquatic ecotoxicology, organic pollutants, toxicogenomics, biological effects, zooplankton and fish, bioaccumulation, impacts of waste water treatment plant effluent, emerging flame retardants, polyfluoroalkyl substances, marine mammals Harri Kankaanpää, Finnish Institute of Marine Research, Helsinki, Finland Takayoshi Koike, Hokkaido University, Sapporo, Japan physiological ecology of woody plants (partly including crops) under changing environment (such as elevated ozone, high nitrogen loading, soil acidification, elevated CO₂). My interest is to study on photosynthesis, respiration, growth, allocation of woody plants and plant-insect interaction. Rai Kookana, CSIRO (The Commonwealth Scientific and Industrial Research Organization), Glen Osmond, South Australia, Australia Pesticides, Environment Fate, Pharmaceuticals, Soil science, Fullerene nanomaterials Jamie Lead, University of Birmingham, Birmingham, England, UK Chunyang Liao, Chinese Academy of Sciences, Yantai, China Emerging organic contaminants, Endocrine disrupting chemicals, Pesticides, Environmental analytical chemistry, Environmental behavior and fate, Bioavailability, Toxicological effects, and Risk assessment Daohui Lin, Zhejiang University, Hangzhou, China aquatic toxicology, heavy metals pollution, constructed wetlands, fecal coliform pollution Rainer Lohmann, University of Rhode Island, Narragansett, Rhode Island, USA Passive samplers; POPs, sorption; bioaccumulation; atmospheric chemistry; marine pollution; long range transport; oceans; black carbon; organic geochemistry Stefano Loppi, Università degli Studi di Siena, Siena, Italy Michael Lydy, Southern Illinois University, Carbondale, Illinois, USA Pesticides, toxic effects on aquatic systems, pyrethroid insecticides, bioavailability, desorption-based samplers, sediment-associated organic contaminants, honey bees declines Shaily Mahendra, University of California at Los Angeles (UCLA), Los Angeles, California, USA water treatment, environmental microbiology, environmental biotechnology, microbial ecology, enzymes, biodegradation, bioremediation, molecular biology, biomarkers, nano toxicology. Andy A. Meharg, Queen's University Belfast, Northern Ireland, Belfast, Northern Ireland, UK Thomas Meinelt, Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany Alternative treatments in aquaculture, Impact (and interaction) of humic substances on environment and animals. Willie Peijnenburg, Universiteit Leiden, Leiden, Netherlands Risk assessment; Ecological risk assessment; Environmental fate and effect assessment; Nanoparticles; Bioavailability; Metals; Organics; Quantitative Structure-Activity Relationships (QSARs); Transformation of chemical substances; Biodegradation; Abiotic transformations Elijah J. Petersen, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA nanomaterials, carbon nanomaterials, standardization, nanoecotoxicity, carbon nanotubes Stergios Pirtzos, University of Crete, Iraklion, Crete, Greece "Biomonitoring of air pollution, trace elements and nitrogen using lichens Climate change issues and lichens Lichens and hydrogen production Lichen physiology and pollution Sensitivity issues of lichens Lichen diversity and vegetation in Mediterranean Ecosystems" Pleijel, Göteborgs Universitet, Göteborg, Sweden AUTHOR INFORMATION PACK 13 Apr 2017 www.elsevier.com/locate/envpol4 Ozone (effects on vegetation) Carbon dioxide (effects on vegetation) Urban ecology (especially air pollution in relation to vegetation) Temporal and spatial variation in air pollution exposure Crops (especially effects of air pollutants on growth and nutrient content) Deposition of air pollutants Weather and climate dependence of air pollution Climate change effects on crops Markus Puschenreiter, Universität für Bodenkultur Wien (BOKU), Vienna, Austria Heavy metals/trace elements in soils and plants, rhizosphere processes involved in metal/trace element acquisition, soil remediation technologies / phytoremediation Brian Reid, University of East Anglia, Norwich, England, UK Soil contamination; biochar;

pesticides; HOCs; PAHs; PTEs Dibyendu Sarkar, Stevens Institute of Technology, Hoboken, New Jersey, USA Environmental Geochemistry, Soil Chemistry, Environmental Quality and Remediation, Human Health Risk Assessment, Green Technology J  rg Schaller, Universit  t Bayreuth, Bayreuth, Germany Nutrient, silicon and metal(loid) cycling; element fixation during litter decomposition; crop plant nutrition and trace element accumulation; invertebrates; silicon effect on metal binding; metal toxicity; carbon turnover; silicon turnover; rare earth element; ecosystem processes; silicon nanoparticles Wada Shin-Ichiro, Kyushu University, Fukuoka, Japan Richard Shore, Centre for Ecology and Hydrology (CEH), Bailrigg, Lancaster, UK Philip Smith, Texas Tech University, Lubbock, Texas, USA Ecotoxicology, ecological risk assessment, wildlife toxicology Stefania Squizzato, Clarkson University, Potsdam, New York, USA Jordi Sunyer, CREAL, Barcelona, Spain Filip Tack, Universiteit Gent, Gent, Belgium Heavy metals, trace element biogeochemistry, dredged materials, soil and sediment remediation, phytoremediation Shu Tao, Peking University, Beijing, China Doris Vetterlein, Umweltforschungszentrum (UFZ) Leipzig-Halle GmbH, Halle/Saale, Germany Zhenyu Wang, Ocean University of China, Qingdao, China Environmental geochemistry Toxicology Jason White, Connecticut Agricultural Experimental Station, New Haven, Connecticut, USA Anantotoxicology, food safety, bioremediation and phytoremediation Paul Williams, Chinese Academy of Sciences (CAS), Beijing, China

- 1] Toxic trace elements
- 2] 2D high-resolution chemical imaging
- 3] Rhizosphere Chemistry/ Soilplant interactions
- 4] Diffusive Gradients in thin films (DGT)
- 5] Arsenic/Selenium Biogeochemistry
- 6] Bioavailability of metals
- 7] Human health impacts of arsenic, cadmium and lead
- 8] Urban & Sustainable agriculture
- 9] Advanced analytical approaches for contaminant quantification
- 10] Soil & Water pollution

Bert Wolterbeek, Delft University of Technology, Delft, Netherlands plant physiology, air pollution (methods, effects), (bio)monitoring, radionuclides, kinetics, dynamics, metals, radioecology Feng Xiao, University of North Dakota, Grand Forks, North Dakota, USA Perfluorochemicals (PFCs) and perfluoroalkyl substances (PFASs); Perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS); Biochar, char, soot, black carbon, and activated carbon; Adsorption; Water chemistry; Drinking-water treatment; Emerging contaminants and environmental monitoring; Geographic Information System; Exploratory data analysis; Exposure assessment. Scott Young, Nottingham, Nottingham, UK Bioavailability, speciation and mobility of trace metals and radioisotopes in the environment and specifically with the geochemical controls over trace element deficiency and toxicity Shuzhen Zhang, Chinese Academy of Sciences (CAS), Beijing, China persistent organic pollutants, bioavailability, plant uptake of organic contaminants, plant uptake of nanoparticles, plant uptake of heavy metals, soil accumulation of contaminants, adsorption mechanisms of organic contaminants, adsorption mechanisms of heavy metals, synchrotron X-ray absorption spectroscopy analysis, metabolism and biotransformation of organic contaminants Fangjie Zhao, Nanjing Agricultural University, Nanjing, China Biogeochemistry of trace elements, uptake and detoxification of heavy metals in plants, bioremediation

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