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Ms Sueli Borrelly is a biologist with a PhD in Environmental Applications of Nuclear Techniques and has worked at the Nuclear and Energy Research Institute (IPEN) in Brazil since 1989. She coordinates the ecotoxicity assays laboratory and leads research on radiation processing of industrial effluents, using electron beam irradiation to reduce toxic substances from textile, petroleum, pharmaceutical and chemical wastewaters. Her work in environmental microbiology and ecotoxicology includes national and international projects on wastewater reuse, pharmaceutical impacts and environmental monitoring. She also advises on radiation applications for environmental issues and teaches in IPEN's postgraduate programme.