



International Conference on  
**RADIOECOLOGY & ENVIRONMENTAL RADIOACTIVITY**  
15–20 June 2008, Bergen, Norway

## Draft Programme

# POSTER EXHIBITION

### Session 1: Emergency preparedness and rehabilitation

**Julia Barzyk, USA**

*Experimental Determination of Cesium Distribution Coefficients for Water and Urban Surface Materials*

**Liudmila S. Bogdanova, Russian Federation**

*Arrangement of expert and analytical support of radiation-hygienic provision in case of the radiological emergency*

**Jarmila Bohunova, Slovak Republic**

*ESPRO – Source Term Estimation System for Severe Accident Scenarios Development*

**Irena Cespirova, Czech Republic**

*Airborne Monitoring in Czech Republic*

**Maria Christiansson, Sweden**

*Optimization of read-out sequences for optically stimulated luminescence (OSL) of household salt for retrospective dosimetry*

**Michel Cindro, Slovenia**

*Comparison between different decision making tools used in the case of nuclear accident at the Slovenian Nuclear Safety Administration*

**Damien Didier, France**

*krX system : multi-scale operational modelling of atmospheric dispersion and consequence assessments for radiological emergencies*

**Jiří Hůlka, Czech Republic**

*Modern data acquisition of the contaminated landscape cover*

**Rudie Heling, The Netherlands**

*Modification of the dynamic radionuclide uptake model BURN by salinity driven transfer parameters for the marine foodweb and its integration in POSEIDON-R*

**Francisco Hernandez, Spain**

*Presentation of ATRC: The Atmospheric Tracer Research Collaboration*

**Mikhail Iosjpe, Norway**

*Evaluation of consequences of potential accidents in the Norwegian coastal waters*

**Vladimir P. Kisselev, Russian Federation**

*The set of software tools for prompt assessment of possible pollution of the environment at radioactively dangerous objects*

**Marguerite Monfort, France**

*Presentation of the CERES Platform used to evaluate the consequences of the emissions of radionuclides in the environment*

**A.V. Nossov, Russian Federation**

*Assessment of impact of spatial sources of radioactive contamination on rivers*

**Alexey V. Panov, Russian Federation**

*Assessment of countermeasure effects on  $^{137}\text{Cs}$  accumulation from soil by farm-crops after the accident at the Chernobyl NPP*

**Anselmo S Paschoa, Brazil**

*A Simplified Model to Evaluate the Radiological Impact of an Accident with a Nuclear Reactor Submerged at the Sea*

**Raul Periañez, Spain**

*Time scales for conservative and non conservative radionuclide transport in the English Channel*

**Nicolas Reales, France**

*Decision-aiding tool for the management of agriculture in case of a nuclear accident*

**Petr Rulik, Czech Republic**

*Emergency preparedness of gamma spectrometry laboratories*

**Øyvind Selnaes, Norway**

*Norwegian assessment of nuclear and radiological threats*

**Ondrej Slávik, Slovak Republic**

*Analysis and determination of dils for early phase of a nuclear accident by on-line simulation of radiological consequences for the selected source term (vver 440) and meteorological conditions*

## **Session 2: TNORM/NORM including Radon**

**Abd El Baset Abbady, Egypt**

*Gamma-ray measurements of natural radioactivity in cultivated and reclaimed soil, Upper Egypt*

**Stanislaw Chalupnik, Poland**

*Radium balance in discharge waters from coal mines in Poland the ecological impact of underground water treatment*

**Khoualed Cherif, Algeria**

*ES-SALAM Reactor and Environmental Protection - Measurement Techniques and Monitoring Strategies*

**Mantazul Chowdhury, Bangladesh**

*Environmental radioactivity in Sonadia Island of the Bay of Bengal of Bangladesh*

**Deley de Azevedo Py Júnior, Brazil**

*Absorbed Dose Rate Due to Intake of Natural Radionuclides by Four Different Fishes Estimated Near the Uranium Mining at Caldas, Minas Gerais, Brazil*

**Mikhail Domanov, Russian Federation**

*Some peculiarities of  $^{226}\text{Ra}$  accumulation in cold seep sites*

**Dag Øistein Eriksen, Norway**

*Radioactivity in produced water from Norwegian oil and gas installations – concentrations, bioavailability, and doses to marine biota*

**Ali A. Fathivand, Iran**

*Determination of Polonium-210 in Iranian Cigarettes*

**Ali A. Fathivand, Iran**

*Natural radioactivity concentration in raw materials used for manufacturing refractory products*

**Justin Gwynn, Norway**

*Bioaccumulation of  $^{210}\text{Po}$  and  $^{210}\text{Pb}$  in Arctic seabirds*

**Clovis Hazin, Brazil**

*Radioactivity in Beach and Zircon Sands Processed in Northeastern Brazil*

**Tahereh Hosseini, Iran**

*Determination of  $^{226}\text{Ra}$  concentration in Persian Gulf fishes using alpha spectrometry system*

**Michael L. Ilin, Canada**

*Use of site-specific soil parameters for prediction of Uranium soil concentrations: Regulatory approach in Canada*

**Ashraf E. M. Khater, Egypt**

*Uranium Isotopes in Phosphate Fertilizers*

**Ashraf E. M. Khater, Egypt**

*Technologically Enhanced  $^{210}\text{Pb}$  and  $^{210}\text{Po}$  in Iron and Steel industry*

**Ashraf E. M. Khater, Egypt**

*Effects of Soil Properties on Natural Radionuclides concentration in Arid Environment: A Case Study*

**Jadranka Kovac, Croatia**

*Natural radioactivity at CBPP waste pile*

**Chutima Kranrod, Thailand**

*A Simple Technique for Determining the Equilibrium Equivalent Thoron Concentration Using a CR-39 Detector*

**Ajay Kumar Mahur, India**

*Indoor radon monitoring and effective dose measurement in some dwellings of Gujarat and Jharkhand states of India*

**Ajay Kumar Mahur, India**

*Assessment of natural radioactivity in soil collected from Jaduguda U-mines area East Singhbhum shear zone, Jharkhand India and radiological implications*

**M. Merroun, Germany**

*Incorporation of Uranium(vi) into biogenic carbonates: spectroscopic and microscopic studies*

**Boguslaw Michalik, Poland**

*Phytotechnology – is there a possibility to use for land reclamation of areas contaminated by Technologically Enhanced Naturally Occurring Radioactive Materials?*

**Christina A. Papachristodoulo, Greece**

*Indoor radon concentrations in workplaces and dwellings in North-Western Greece*

**Serena Righi, Italy**

*Gamma dose calculation for building materials*

**Carlo Sabbarese, Italy**

*Radon levels within dwellings, schools and workplaces of Campania region (Southern Italy)*

**Sarata Sahoo**

*Isotopic Ratios of Uranium in Soil and Ground Water samples collected around 30 km Chernobyl Exclusion Zone*

**Davorin Samek, Bosnia and Herzegovina**

*Technological exchanged natural radioactivity in vicinity of the Coal Burning Power Plant Kakanj, BiH*

**Irene Schraick, Austria**

*Determination of representative activity concentrations of naturally occurring radionuclides in industrial processes*

**Joga Singh, India**

*Estimation of Uranium and radon concentration in some drinking water samples around the Upper Siwaliks, India*

**Mohamad Bagher Tavakoli Hosseinabadi, Iran**

*Evaluation of the amount of radioactive elements emitting  $\gamma$ -ray in different types of wheat in Isfahan city*

**Natasa Todorovic, Serbia**

*Search for TENORM sources in rivers sediments*

**Natasa Todorovic, Serbia**

*The influence of the floor level on the indoor radon build-up*

**Masoud Vahabi-Moghaddam, Iran**

*Study of Background Radiation in Guilan*

**Masoud Vahabi-Moghaddam, Iran**

*Study of  $^{222}\text{Rn}$  Concentration Levels in Guilan Dwellings*

**Masoud Vahabi-Moghaddam, Iran**

*Study of Water Inventories of Natural and Anthropogenic Radionuclides in Southwest Caspian Region*

**Simona Verità, Italy**

*Radon exhalation rates from zircon sands and ceramic tiles in Italy*

**Zora Zunic, Serbia**

*Identification and assessment of elevated exposure to natural radiation in Balkan region (Serbia)*

## **Session 3: Radioecology**

**Daniela Brakstad Norway**

*The distribution of technetium-99 in a marine ecosystem in western Norway*

**Justin Brown, Norway**

*Background radiation dose-rates in a high mountain habitat in Norway*

**Dmitry Dementyev, Russian Federation**

*Accumulation of artificial radionuclides by edible wild mushrooms and berries in the forests of the central part of the Krasnoyarskii Krai*

**Inga N. Dorozhok, Belarus**

*An application of compartment model for prognostic calculations of  $^{137}\text{Cs}$  migration in soils*

**Mats Eriksson, IAEA**

*The use of advanced micro-analytical techniques for hot particle characterisation*

**Sergey Gaschak, Ukraine**

*Assessment of radionuclide export from Chernobyl zone via birds 18 years following the accident*

**Hilde Elise Heldal, Norway**

*Technetium-99 ( $^{99}\text{Tc}$ ) in *Ascophyllum nodosum*: The distribution in yearly growth segments and seasonal variations*

**Danute Marčiulionienė, Lithuania**

*Assessment of Technogenic Radionuclide Distribution in the Phytocenosis of the Terrestrial Ecosystem of the Ignalina NPP Region before Decommissioning of the Unit One*

**Milan Momcilovic, Serbia**

*Multivariate assessment of correlations between radionuclide content and physical and chemical characteristics of soils from Stara Planina mountain (Serbia)*

**Daniela Pittauerova, Germany**

*Application of self-absorption correction method in gamma spectroscopy for  $^{210}\text{Pb}$  and  $^{137}\text{Cs}$  sediment chronology on the continental slope off NW Africa*

**Christopher G. Smith, USA**

*Applications of Radon-222 pore water transport modeling to distinguish fresh and marine submarine groundwater discharge signals*

**Dragana Todorovic, Serbia**

*The measurement of radioactivity in water and soil samples from Republic of Srpska*

**Gabi Voigt, IAEA**

*Hot particles: characterization and behaviour in the environment*

## **Session 4: Risk assessment**

**Pavel V. Amosov, Russian Federation**

*Risk assessment of induced-fatal forms of the cancer for scenario "Inadvertent human intrusion in radioactive waste repository"*

**Nick Beresford, UK**

*Findings and recommendations from an international comparison of models and approaches for the estimation of radiological exposure to non-human biota*

**Patrick Devin, France**

*COMODORE v2007: assessment doses for the public from atmospheric and liquid discharges*

**Juraj Duran, Slovak Republic**

*Modelling of radioactive doses from releases into atmosphere and hydrosphere during normal operation of NPP in Slovakia*

**Thomas Hjerpe, Finland**

*Assuring data quality in Posiva's biosphere assessment*

**Israel N. Hlatshwayo, South Africa**

*In-situ Gamma-Ray mapping of Environmental Radioactivity at iThemba LABS and associated Risk Assessment*

**Ari Tapani K. Ikonen, Finland**

*Biosphere analysis with an evolving landscape model for a spent fuel repository of the alternative KBS-3H horizontal disposal concept*

**Igor Korenkov, Russian Federation**

*Integrated Evaluation of the Environment at LILW Storage*

**Nina A. Koshurnikova, Russian Federation**

*Assessment of Carcinogenic Risk at the Prolonged Occupational Exposure*

**Yuriy Kutlakhmedov, Ukraine**

*Influence of radiation and heavy metals on parameters of radiocapacity ecosystems*

**Nataliya K. Kutsokon, Ukraine**

*Radiation induction of multiaberrant cells in *Allium cepa* L.*

**Svetlana Maksimova, Belarus**

*Biology of main soil formers in the area of radioactive contamination*

**Irina V. Malinova, Russian Federation**

*The analyses of remote descendants of yeast *Saccharomyces* cells irradiated by neutrons (0.85; 1.44; 14 MeV) or  $^{60}\text{Co}$   $\gamma$ -rays*

**Makar V. Modorov, Russian Federation**

*The Allozyme Structure of *Apodemus uralensis* Population from the East Ural Radioactive Trace*

**Danguole Montvydiene, Lithuania**

*Estimation of  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  ionizing radiation impact on the plant vegetative and generative organs*

**Marat Nurgudin, Ukraine**

*Effects of chronic low-dose radiation on the common reed within the Chernobyl accident Exclusion Zone*

**Benjamin Pey, France**

*Study of the radioecological sensitivity of rice to radioactive contamination*

**Fouzia S. Rehmani, India**

*To study the environmental hazards on urinary tract calculi composition*

**Broed Robert, Sweden**

*Applications of the ECOLEGO software in radioecological risk assessment*

**Yury Rogozhin, Russian Federation**

*A unified scale of radioactive & chemical incidents*

**Natalia Shandala, Russian Federation**

*Radioecological situation and public exposure doses nearby uranium mining facility*

**Natalia Shandala, Russian Federation**

*Comprehensive Research Monitoring of Environment and Public Health in Regions of the Russian NPP*

**Joga Singh, India**

*Estimation of uranium, radium and radon exhalation rate in some soil samples of Upper Siwaliks, India using plastic track detectors*

**Joga Singh, India**

*Comparative study of natural soil gamma radioactivity levels around the Upper Siwaliks and Punjab, India using Gamma Ray Spectrometry*

**Sergey I. Spiridonov, Russian Federation**

*Assessment of semistochastic radiation risks for the public and biota within the Semipalatinsk Test Site*

**Nataliya K. Tereshchenko, Ukraine**

*Doses with  $\alpha$ -Particles of Plutonium Anthropogenic Radioisotopes to the Black Sea Hydrobionts*

**Vladimir L. Tetenkin, Russian Federation**

*A Method to Estimate Non-Regulatory Stochastic Risks Implemented for Vegetation of the Semipalatinsk Test Site*

**Gheorghe Vieru, Romania**

*Radiological concerns/hazards and environmental impacts due to radioactive materials transportation in Romania*

## **Session 5: Arctic Radioecology**

**Denis Alexeev, Russian Federation**

*Benthic communities of Russian Arctic Seas under radioactive pollution condition*

## **Session 7: Radiation in Society**

**Tatiana Duranova, Slovak Republic**

*Stakeholder involvement in development and design of appropriate emergency preparedness routines in Slovakia*

**Amir Afshin Khaki, India**

*Effect of Electromagnetic Field on Boundary Tissue of the Seminiferous Tubules of Rat : A Light and Transmission Electron Microscope Study*

**Anurag Misra, India**

*MW (Microwaves) and EMR (Electromagnetic radiations) and effects on Young Children (in India)*

**Ivica Prlic, Republic of Croatia**

*Nonionizing radiation – a modern stressor to the environment*

**Caroline Ringgaard, France**

*Example of citizen expertise: The analyses of dosimetric impact assessment of the reprocessing plants on the La Hague site (2003 to 2006)*

**Veronica Smith, Ireland**

*The dose to Irish seafood consumers from technetium-99*

**Mohamad Bagher Tavakoli Hosseinabadi, Iran**

*Assessment of gamma dose rate in city of Kermanshah*

**Jennie Wong, Ireland**

*Radioactivity in Irish Coastal Waters*

## **Session 8: Radioactive Waste**

**Lasse Aro, Finland**

*Concentration ratios for chemical analogues of key nuclides for different vegetation types at the Olkiluoto site*

**S.D. Ashrafi, Iran**

*Managing of Hospital Waste in Rasht City*

**V.G. Barchukov, Russian Federation**

*Management of waste containing very low activity levels under conditions of uncertainty*

**Mikhail Domanov, Russian Federation**

*Concentration Cs-137 and discrimination coefficient in benthos organisms in the dump sites for solid radioactive waste in Kara sea*

**Nao K. Ishikawa, Japan**

*Radiocesium sorption behavior on illite, kaolinite and their mixtures*

**Vladimir P. Kisselev, Russian Federation**

*Automated Environmental Radiation Monitoring at RTP Atomflot and the Polyarninsky Shipyard*

**Oleg A. Kochetkov, Russian Federation**

*Disposal of very low level waste from nuclear power plants*

**V. Komarevsky, Russian Federation**

*Clearing of liquid radioactive waste by using the inorganic granulated sorbents "Termokside"*

**Alexei V. Konoplev, Russian Federation**

*Development of amendments for rehabilitation of soils, contaminated by radionuclides, and assessment of their application efficacy*

**Svetlana Korneva, Russian Federation**

*Radionuclide Migration Simulation for the Performance Safety Assessment of Near Surface LILW Repositories*

**Svetlana Korneva, Russian Federation**

*Creation of Geomonitoring System at LILW Repository Site*

**Igor Lisovsky, Russian Federation**

*Identification of radiation factors in the Russian system of the operative control of safety of underwater potentially dangerous objects*

**Danyl Pérez-Sánchez, Spain**

*Characteristics and Behaviour of  $^{14}\text{C}$  and  $^{36}\text{Cl}$  in the Biosphere in the Context of Radioactive Waste Management*

**Anatoly Simakov, Russian Federation**

*Special features of operation of SNF and RW sites of temporary storage at Sevrao facilities № 1 and № 2*

## **Session 9: Environmental Protection**

**Darwish Al-Azmi, Kuwait**

*Compton Suppression System with Simplified Slow Anti-Coincidence Circuit*

**David Aldaba, Spain**

*Radiocaesium and radiostrontium diffusion in unsaturated soils*

**Nick Barber, UK**

*Assessment of the impact of radioactive disposals and discharges from the United Kingdom low level waste repository on the ecosystem*

**Catherine Barnett, UK**

*Radionuclide activity concentrations in two species of reptiles from the Chernobyl exclusion zone*

**Adnan Beganovic, Bosnia and Herzegovina**

*Dose to thyroid gland in mammography*

**Christian Bernhardsson, Sweden**

*Variations in the  $^{137}\text{Cs}$  concentration in surface coastal water at the Swedish west coast during 40 years as indicated by *Fucus**

**Justin Brown, Norway**

*Transfer of Radiocaesium to Berry Species: Overview of Data from Ukraine, Sweden, Germany, Poland, Russia, the Czech Republic and Finland*

**David Bytwerk, USA**

*Cl-36 Transfer to Ryegrass and Consequences for Environmental Modeling*

**Philippe Ciffroy, France**

*Probabilistic distribution coefficients ( $K_d$ s) in freshwater for radioisotopes of Ag, Am, Co, Cs, I, Mn, Sr and Pu – Implications for uncertainty of models simulating the transport of radionuclides in rivers*

**Sandra Damatto, Brazil**

*Distribution of radionuclides from U and Th series, trace elements and rare earths in bottom sediment samples from São Paulo state coast*

**Mark Dowdall, Norway**

*Rank Order Kriging Applied to the Interpolation of Skewed Radiological Dose and Contamination Data at a Nuclear Legacy Site*

**Snezana Dragovic, Serbia**

*Ants and terrestrial vegetation of Zlatibor mountain (Serbia) as biomonitors of radionuclides from global fallout*

**Snezana Dragovic, Serbia**

*Use of multivariate analysis in radioecological and environmental radioactivity studies – advantages and limitations*

**Yuri Dubasov, Russian Federation**

*Xenon and Krypton-85 Radionuclides Monitoring in the Northwest Region of Russia*

**Inger Margrethe Eikermann, Norway**

*Radiocesium uptake and transfer coefficients in reindeer and lichens in sub-arctic Finnmark*

**Mats Eriksson, IAEA**

*Spatial distribution of anthropogenic radionuclides in the Canadian Arctic*

**Bruno Fiévet, France**

*Potential radiological impact of radionuclide discharges from the nuclear industry on the Pacific Oyster, *Crassostrea Gigas**

**Michel Fontugne, France**

*C-14 fluxes across the water/atmosphere interface in Eutrophic river during radioactive liquid releases from nuclear power plants*

**Zdenko Franic, Croatia**

*Long-term investigations of  $^{137}\text{Cs}$  in some mushroom species in North Croatia*

**Sergey Gaschak, Ukraine**

*Radioactive contamination of terrestrial ecosystems around Chernobyl NPP's cooling pond prior to drawdown*

**Runhild Gjelsvik, Norway**

*Radioactivity levels and transfer of  $^{137}\text{Cs}$  for different mushroom species in Norway during the period 1986-2007*

**Espen Govasmark, Norway**

*The use of  $^{75}\text{Se}$  prior to the selection of grains for solid state speciation of bioactive selenium compounds*

**Thomas Guillaume, Switzerland**

*Transfer factors and bio-accumulation of  $^{90}\text{Sr}$  and  $^{137}\text{Cs}$  in different plant species of a natural alpine ecosystem (Val Piora, Ticino, Switzerland)*

**Rodolfo Gurriaran, France**

*In situ Gamma Spectrometry developments*

**Rodolfo Gurriaran, France**

*Anti-Compton gamma spectrometry for environmental samples*

**Mats Hansson, Sweden**

*Detection and quantification of lung and abdominal content of  $^{60}\text{Co}$  by means of gamma camera imaging and handheld gamma detectors*

**Francisco Hernandez, Spain**

*Transference of radiotracers to Gilthead bream fish in a controlled accident scenario*

**Chih-An Huh, Taiwan**

*Monitoring marine environmental radioactivity near nuclear facilities in Taiwan*

**Michael L. Ilin, Canada**

*New regulatory Benchmark on Uranium soil toxicity in Canada*

**Oleg P. Ivanov, Russian Federation**

*Instruments and Methods for Precise Field Measurements of Soil Radiocontamination*

**Oleg P. Ivanov, Russian Federation**

*Remote Monitoring of Radiological Conditions during Rehabilitation Works at Kurchatov Institute Site with Gamma Locator System*

**Yury A. Ivanov, Ukraine**

*Exclusion Zone of Chernobyl NPP - Analysis of Unsolved Radioecological Problems at the Late Phase of the Accident*

**Hyo-Joon Jeong, South Korea**

*Artificial neural networks approach to predict gamma dose rates*

**Peter Jovanovic, Slovenia**

*Specific activity of  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  in milk in Republic of Slovenia after the Chernobyl accident*

**Alexandr Kaglyan, Ukraine**

*Strontium-90 in fish from the lakes of the Chernobyl exclusion zone*

**Dong-Kwon Keum, South Korea**

*A dynamic compartment model for predicting the  $^{14}\text{C}$  radioactivity in an agricultural plant following an exposure to  $^{14}\text{CO}_2$  gas*

**Ashraf E. M. Khater, Egypt**

*Spatial Distribution and Environmental Behavior of Atmospheric Fallout  $^{210}\text{Pb}$  and  $^{137}\text{Cs}$  in Qarun Lake Sediments*

**Elena Korobova, Russian Federation**

*Peculiarities of spatial structure of  $^{137}\text{Cs}$  contamination field in landscape toposequence: regularities in geo-field structure*

**Milko Križman, Slovenia**

*Study on radon dispersion modes from the U-mine disposal sites at Žirovski Vrh (Slovenia)*

**Natalia Kuzmenkova, Russian Federation**

*Accumulation and migration of  $^{137}\text{Cs}$  in the tundra landscapes (North-West of Kola Peninsula)*

**Elena Kvasnikova, Russian Federation**

*Significance/negligibility of dissipation of contamination with time*

**Wanno Lee, South Korea**

*The practical estimation of the depth for embedded Gamma sources in soil from in-situ Gamma-ray spectrometry*

**Frank Levy, France**

*A tool for interpretation of whole body monitoring results in a long-term contaminated environment: the CORPORE application*

**I. Levy-Palomo, IAEA**

*Temporal and spatial distribution of some anthropogenic radionuclides in the Barents Sea*

**Irene Lopes, Portugal**

*Measurements of Strontium-90 in Portuguese Milk Samples Using Liquid Scintillation Counting Technique*

**Merja Lusa, Finland**

*$^{137}\text{Cs}$ ,  $^{239,240}\text{Pu}$  and  $^{241}\text{Am}$  in bottom sediments and surface water of Lake Päijänne, Finland*

**Julia Makluyk, Ukraine**

*Dose rates to small mammals in the Chernobyl zone 19 years after the accident*

**Gordana Marovic, Republic of Croatia**

*Mosses as bioindicators of radioactive contamination*

**Dmitry G. Matishov, Russian Federation**

*Reconstruction of  $^{137}\text{Cs}$  dynamics in water, bottom sediments of the Sea of Azov with use of mathematical modelling*

**Dmitry G. Matishov, Russian Federation**

*Artificial radionuclides in elements of coastal ecosystems of the Kola Peninsula*

**G.G. Matishov, Russian Federation**

*Artificial radionuclides in the tissues of the Barents Sea commercial fish species*

**Paul McDonald, UK**

*Sea to Land Transfer of Radionuclides in Cumbria and North Wales: Updating of previous investigations*

**Mikhail Melgunov, Russian Federation**

*"Hot" and active particles in alluvial soils and sediments of the Yenisei river: radioisotope composition variations*

**Tatiana Melnikova, Russian Federation**

*Character and conditions of formation of secondary contamination of irradiation foodstuffs*

**Inna Molchanova, Russian Federation**

*Peculiarities of the technogenical radionuclides transfer from soils into plants in the radioactive contaminated areas*

**Isabel Moreira, Brazil**

*Po-210 in Shellfish *Mytella falcata* from a Tropical Estuary*

**Taizo Nakamori, Japan**

*Effects of acute gamma irradiation on soil invertebrates in laboratory tests*

**Alexander Nikitin, Russian Federation**

*The Joint Russian-Norwegian Project on Monitoring "Investigation of marine environment radioactive contamination of the Barents Sea". Results received by participants during the year 2006*

**Alla Oudalova, Russian Federation**

*Bioindication-based estimates as an integral part of the environment quality assessment*

**S.A. Paskevych, Ukraine**

*Radiation significance of meadows phytocenosis in Chernobyl exlution zone*

**Brigitte Pecequilo, Brazil**

*IPEN environmental monitoring programme: Assessment of 10 years of surveillance*

**Yuri Putyatin, Belarus**

*Threshold parameters of soil cation composition to minimize  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  uptake by plants*

**Svetlana V. Pyatkova, Russian Federation**

*Toxicity assessment of natural water from Obninsk radioactive waste repository*

**Fouzia S. Rehmani, India**

*The use of hydroxamate type siderophore in chelation therapy of mineral toxicity from the soil caused by environmental hazards*

**Fouzia S. Rehmani, India**

*To study the effect of environmental hazzards on metal ions concentration in Eucalyptus plant*

**José Ródenas, Spain**

*Application of the Monte Carlo method to the analysis of the influence of the detector shielding on background radiation in environmental radioactivity measurements*

**Blanco Rodriguez, Spain**

*Enhancing the transfer of  $^{238}\text{U}$  and  $^{226}\text{Ra}$  from soils to *Brassica juncea* L.*

**Päivi Roivainen, Finland**

*Soil-to-plant transfer of uranium and its distribution between plant parts in boreal forest*

**Susanna Salminen, Finland**

*Concentrations of  $^{238}\text{Pu}$ ,  $^{239+240}\text{Pu}$ ,  $^{241}\text{Am}$ ,  $^{90}\text{Sr}$  and  $^{137}\text{Cs}$  in surface air at Sodankylä (Finnish Lapland) in 1963*

**Adir Janete Godoy Santos, Brazil**

*Natural radionuclide from soil in a landfill area investigation*

**Andrian Seleznev, Russian Federation**

*Investigation of puddle sediments as traps of  $^{137}\text{Cs}$  in urban landscape*

**Boris Shmelkov, Russian Federation**

*Numerical estimation of distribution scales  $^{137}\text{Cs}$  in the Kara Sea at a possible runoff from the river Ob*

**Lindis Skipperud, Norway**

*Measuring Pu Isotope Ratios with Mass Spectrometry*

**Dina Solatie, Finland**

*$^{90}\text{Sr}$  and  $^{137}\text{Cs}$  in deposition, grass and milk in Northern Finland*

**Karolina Stark, Sweden**

*Wetland Ecosystems in a Site Description for a Nuclear Fuel Repository*

**Oleg Stepanets, Russian Federation**

*Geoecological investigations of artificial radionuclides in the aquatic system of the Ob River and Kara Sea*

**Kyung-Suk Suh, South Korea**

*Investigation of dispersion characteristics by using radioisotope for a river environment*

**Håvard Thørring, Norway**

*Characterisation of background dose rates for marine environments*

**Hirofumi Tsukada, Japan**

*Prediction of soil-to-plant transfer of  $^{90}\text{Sr}$  by means of concentration ratio of  $^{90}\text{Sr}/\text{Ca}$  in exchangeable fraction*

**Liliya N. Ulyanenko, Russian Federation**

*$^{137}\text{Cs}$  and heavy metals accumulation by crops and modifying effects of biologically active substances on the root uptake of radioactive and non-radioactive contaminants*

**Sergey Vakulovsky, Russian Federation**

*Metadata on the radioactive contamination of the environmental media on the territory of Russia and USSR*

**Virve Vetikko, Finland**

*Guidance for sampling in forests for radionuclide analysis*

**Michael Zuykov, Russian Federation**

*Detection of radionuclides in the shell of the freshwater molluscs*

**Irina Zvonova, Russian Federation**

*Ecological half-life of I-131 in milk after dry and wet radionuclide deposition due to the Chernobyl accident*

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