

Recent publications of Gregor Zibold

Calmon, P., Thiry, Y., Zibold, G., Rantavaara, A., Fesenko, S., Orlov, O. Radionuclide transfer in forest ecosystems. International Atomic Energy Agency (IAEA) TECDOC No. 1616, IAEA, Vienna (2009) 333-380, ISBN 978-92-0-104509-6, ISSN 1011-4289.

Semizhon, T., Putyrskaya, V., Zibold, G., Klemt, E. Time-dependency of the ^{137}Cs contamination of wild boar from a region in Southern Germany in the years 1998 to 2008. *Journal of Environmental Radioactivity* 100 (2009) 988-992.

Calmon, P., Thiry, Y., Zibold, G., Rantavaara, A., Fesenko, S. Transfer parameter values in temperate forest ecosystems: A Review. *Journal of Environmental Radioactivity* 100 (2009) 757-766.

Zibold, G., Klemt, E., Konopleva, I., Konoplev, A. Influence of fertilizing on the ^{137}Cs soil-plant transfer in a spruce forest of Southern Germany. *Journal of Environmental Radioactivity* 100 (2009) 489-496.

Konopleva, I., Klemt, E., Konoplev, A., Zibold, G. Migration and Bioavailability of ^{137}Cs in Forest Soil of Southern Germany. *Journal of Environmental Radioactivity* 100 (2009) 308-314.

Fielitz, U., Klemt, E., Strebl, F., Tataruch, F., Zibold, G. Seasonality of ^{137}Cs in roe deer from Austria and Germany. *Journal of Environmental Radioactivity* 100 (2009) 241-249.

Zibold, G. & Klemt, E. (2007). Bioavailability of ^{137}Cs in Prealpine Forests and Lakes. First Int. Conf. Rational Methods for the Selection and Use of Agrochemical Measures: Risk Modelling, Monitoring and Management METAGRO, Cluj-Napoca, Romania, 14.-16.06.2007 Proceedings, pp. 84-98. Editura Academic Press Cluj-Napoca 2007, ISBN 978-973-744-082-2. (Invited)

Pröhl, G., Ehlken, S., Fiedler, I., Kirchner, G., Klemt, E. & Zibold, G. (2006) Ecological half-lives of ^{90}Sr and ^{137}Cs in terrestrial and aquatic ecosystems. *Journal of Environmental Radioactivity* **91**, pp. 41 – 72.

Zibold, G., Klemt, E., Putyrskaya, V., 2005. Seasonality of the radiocaesium contamination of roe deer from southern Germany in the years 1987 to 2005, in: Strand, P., Borretzen, P., Jolle, T. (Eds.), Proceedings from the 2nd International Conference on Radioactivity in the Environment, Nice, France, pp. 345 – 348, ISBN 82-90362-21-8.

Klemt, E., Putyrskaya, V., Semizhon, T., Güner, I., Zibold, G., 2005. Datenerhebung zur Radiocäsium-Kontamination im Jahr 2005, Abschlußbericht zum Forschungsvorhaben Nr. 9008714/32 im Auftrag des MUF-BW.

Zibold, G. & Klemt, E. Ecological half-times of ^{137}Cs and ^{90}Sr in forest and freshwater ecosystems. Proceedings of ECORAD Conference 2004, Aix, France. J.C Barescut, J.C. Gariel & J.M. Péres (Eds.). Radioprotection, Suppl. 1, **vol.40** (2005) S497-S502.

Konopleva, I., Zibold, G., Klemt, E., Putyrskaya, V. Time-dependency of the ^{137}Cs aggregated soil-plant transfer factor in a spruce forest in Germany. *Revue de Cytologie et Biologie végétales-Le Botaniste*, **28 (s.i)** (2005) 156 – 160.

Smith, J.T., Belova, N.V., Bulgakov, A.A., Comans, R.N.J., Konoplev, A.V., Kudelsky, A.V., Madruga, M.J., Voitsekhovitch, O.V., Zibold, G. The "AQUASCOPE" simplified model for predicting $^{89,90}\text{Sr}$, ^{131}I and $^{134,137}\text{Cs}$ in surface waters after a large-scale radioactive fallout. *Health Physics* **89**(6), 2005, pp. 628-644.

Zibold, G. & Klemt, E.: Residence half-lives of ^{137}Cs in European forest soils. XXXIII ESNA Conference Proc. Novi Sad, Serbia and Montenegro, 29.08. – 02.09.04 Working group 3: Soil-to-Plant-Relationships, V. Licina & G. Zibold (Eds.) ISSN 1611-9223, Weingarten 2004, pp. 6-11.

G. Pröhl, I. Fiedler, E. Klemt, G. Zibold, S. Ehlken: Erfassung ökologischer Halbwertszeiten von ^{90}Sr und ^{137}Cs in terrestrischen und aquatischen Ökosystemen. BMU – 2004-640, Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit, ISSN 1612-6386, 2004.

H. Paliachenka, E. Klemt, G. Zibold: DATING OF YENISEI SEDIMENTS USING Po-210 ALPHA-SPECTROSCOPY. *Verhandlungen der DPG VI*, **39**, 180 (2004).

Putyrskaya V., Klemt E., Zibold G. Cs-137 in sediments of Lago Maggiore: measurements and modeling. *Verhandlungen der DPG VI*, **39**, 181 (2004).

E. Klemt, H. Paliachenka, V. Putyrskaya, G. Zibold, M. Astner, St. Röllin: Radiocäsium im Lago Maggiore. In: *Umweltradioaktivität und Strahlendosen in der Schweiz 2003*. Bundesamt für Gesundheit (2004) ISBN 3-905235-44-7, B.4.4.1 – B.4.4.5.

E. Klemt, H. Paliachenka, V. Putyrskaya, G. Zibold: Radiocesium in Lago Maggiore. Sakharov Seminar 2004: Environmental Problems of the XXI Century. International Sakharov Environmental University, ISBN 985-6533-04-X, Minsk, (2004) 175 – 177.

V. Putyrskaya, E. Klemt, H. Paliachenka, G. Zibold: RADIOCAESIUM IN WATER AND SEDIMENTS OF LAGO MAGGIORE: MEASUREMENTS AND MODELING. In: *Advances in Nuclear and Radiochemistry*, S.M. Qaim and H.H. Coenen (Editors). *Schriften des Forschungszentrums Jülich* ISBN 3-89336-362-9 (2004), 699 – 701.

E. Klemt, H. Paliachenka, G. Zibold: Po-210 DATING OF YENISEI SEDIMENTS. In: *Advances in Nuclear and Radiochemistry*, S.M. Qaim and H.H. Coenen (Editors). *Schriften des Forschungszentrums Jülich*, ISBN 3-89336-362-9 (2004), 684 – 686.

Zeitabhängigkeit der ^{137}Cs -Kontamination in unterschiedlichen Kompartimenten halbnatürlicher Ökosysteme. (mit E. Klemt). In: *Veröffentlichungen der Strahlenschutzkommission Band 49*, BMUNR (Ed.), Aktuelle und zukünftige Aufgaben der Radioökologie, ISBN 3-437-21489-6, pp. 1-23, Urban & Fischer, München 2003.

Accumulation Of ^{137}Cs In *Elaphomyces Granulatus* Fr. And Its Transfer To Wild Boar. (with Putyrskaya V., Klemt E., Paliachenka H.) XXXIII ESNA Conference Proc. Viterbo, Italy 27.08.03- 31.08.03 Working Group 3: Soil-to-Plant-Relationships, N. Mitchell, V. Licina & G. Zibold (Eds.) ISSN 1611-9223, pp. 1-5, Weingarten, 2003.

Measurement And Modelling Of ^{137}Cs In Soil And Biomass Of A Prealpine Spruce Forest. (with Drissner J., Härle C., Klemt E., and Spasova Y.) *Proceedings of the XXXIII Annual Meeting of ESNA*, Warsaw, Poland, 10.-13.09.02 Working Group 3: Soil-to-Plant-Relationships, N. Mitchell & G. Zibold (Eds.) ISSN 1611-9223, pp. 32-37, Weingarten, 2003.

Time-Dependency Of The ^{137}Cs Contamination Of A Spruce Forest In Southern Germany. Zibold G., Klemt E., and Spasova Y. *Proceedings of the XXXI Annual Meeting of ESNA*, Chania, Greece, 9.-13. 09. 2001, Working Group 3: Soil-to-Plant-Relationships, N. Mitchell & G. Zibold (Eds.) ISSN 1611-9223, pp. 41-45, Weingarten, 2003.

Proceedings of the Annual Meeting of the European Society for new methods in agricultural Research (ESNA),

Novi Sad, Serbia and Montenegro, 29.08. – 02.09.04 Working Group 3: Soil-to-Plant-Relationships, V. Licina & G. Zibold (Eds.) ISSN 1611-9223, Weingarten 2004.

Viterbo, Italy, 27.08.03- 31.08.03 Working Group 3: Soil-to-Plant-Relationships, N. Mitchell, V. Licina & G. Zibold (Eds.) ISSN 1611-9223, Weingarten 2003.

Warsaw, Poland, 10.-13.09.02 Working Group 3: Soil-to-Plant-Relationships, N. Mitchell & G. Zibold (Eds.) ISSN 1611-9223, Weingarten, 2003.

Chania, Greece, 9.-13. 09. 2001, Working Group 3: Soil-to-Plant-Relationships, N. Mitchell & G. Zibold (Eds.) ISSN 1611-9223, Weingarten, 2003.

Time-dependency of the ^{137}Cs Activity Concentration In Freshwater Lakes, Measurement and Prediction (with Kaminski S., Klemt E. & Smith J. T.) Proceedings of the international congress on the radioecology of continental and estuarine environments, ECORAD, Aix, France, 2001. *Radioprotection-Colloques*, 37, C1-75-80 (2002).

Time-dependency of the radiocaesium contamination of roe deer: measurement and modelling (with J. Drissner, S. Kaminski, E. Klemt, R. Miller) *Journal of Environmental Radioactivity* **55** (2001) pp. 5-27.

Eintrag von Radiocaesium in Sedimente des Luganersees (mit E. Klemt, M. Burger, E. Schmid, A. Barbieri, M. Simona) Umweltradioaktivität und Strahlendosen in der Schweiz 2000, Bundesamt für Gesundheitswesen (CH), Fribourg (2001), B.4.4.1-B.4.4.4.

Normierung von Extraktionsexperimenten zur Bestimmung der Bindung von Radiocäsium an Sedimente des Luganersees (mit E. Klemt, S. Kaminski, M. Astner, M. Burger, E. Schmid) Umweltradioaktivität und Strahlendosen in der Schweiz 1999, Bundesamt für Gesundheitswesen (CH), Fribourg (2000), B.4.4.1-B.4.4.5.

Availability of caesium radionuclides for plants - classification of soil and role of mycorrhiza (with J. Drissner, E. Klemt, W. Bürmann, F. Enslin, R. Heider, and G. Schick) *Journal of Environmental Radioactivity* **41** (1998) pp.19-32.

Factors affecting the transfer of radiocaesium from soil to roe deer in forest ecosystems of southern Germany (with P. Kiefer, G. Pröhl, H. Müller, G. Lindner, and J. Drissner) *The Science of the Total Environment* **192** (1996) pp. 49-61.