

Institut für Strahlenschutz

AG Risikoanalyse (ISAR)

Publikationen aus der Arbeitsgruppe im Jahr 2003:

BEITRÄGE IN INTERNATIONALEN FACHZEITSCHRIFTEN

Bernhardt, P., Friedland, W., Meckbach, R., Jacob, P., Paretzke, H.G.: **Modeling of ultrasoft X ray induced DNA damage using structured higher order DNA targets.** Int. J. Mass Spec. 223-224, 579-597 (2003)

Bernhardt, P., Paretzke, H.G.: **Calculation of electron impact ionization cross sections of DNA using the Deutsch-Märk and Binary-Encounter-Bethe formalism.** Int. J. Mass Spec. 223-224, 597-611 (2003)

Friedland, W., Jacob, P., Bernhardt, P., Paretzke, H.G., Dingfelder, M.: **Simulation of DNA Damage after Proton Irradiation.** Radiat. Res. 159, 656-662 (2003)

Göksu, H.Y.: **Telephone chip-cards as individual dosimeters.** Radiat. Meas. 37, 617-620 (2003)

Göksu, H.Y., Bailiff, I.K.*, Mikhalik, V.B.*: **New approaches to retrospective dosimetry using cementitious building materials.** Radiat. Meas. 37, 323-327 (2003)

Jacob, P., Göksu, Y., Taranenko, V., Meckbach, R., Bougrov, N.G.*, Degteva, M.O.*, Vorobiova, M.I.*: **On an evaluation of external dose values in the Techa River Dosimetry System (TRDS) 2000.** Radiat. Environ. Bioph. 42, 169-174 (2003)

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Rojas-Palma, C.*, Madsen, H.*, Gering, F.*, Puch, R.*, Turcanu, C.*, Astrup, P.*, Müller, H., Richer, K., Zheleznyak, M.*, Treebushny, D.*, Kolomeev, M.*, Kamaev, D.*, Wynn, H.*: **Data assimilation in the decision support system RODOS.** Radiat. Prot. Dosim. 104, 31-40 (2003)

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Tolstykh, E.I.*, Shishkina, E.A.*, Degteva, M.O.*, Ivanov, D.V.*, Shved, V.A.*, Bayankin, S.N.*, Anspaugh, L.R.*, Napier, B.A.*, Wieser, A., Jacob, P.: **Age dependencies of ⁹⁰Sr incorporation in dental tissues: comparative analysis and interpretation of different kinds of measurements obtained for residents on the Techa River.** Health Phys. 85, 409-419 (2003)

Valota, A., Ballarini, F.*, Friedland, W., Jacob, P., Ottolenghi, A.*, Paretzke, H.G.:

Modelling study on the protective role of OH radical scavengers and DNA higher-order structures in induction of single- and double-strand break by gamma-radiation. Int. J. Radiat. Biol. 79, 643-653 (2003)

ÜBERSICHTSARTIKEL, TAGUNGS- UND BUCHBEITRÄGE, U.Ä.

Jacob, P., Prokic, V.: **Zur Bewertung radiologischer und chemisch-toxischer Wirkungen von Umweltkontaminationen.** In: Aktuelle und zukünftige Aufgaben in der Radioökologie. Klausurtagung des Ausschusses "Radioökologie", (Hrsg.: Siehl, D. (Red.)), München: Urban & Fischer, Veröffentl. d. Strahlenschutzkommission, Bd. 49, 325-340 (2003)

GSF-BERICHTE UND BERICHTE ANDERER INSTITUTIONEN

Eged, K., Kis, Z., Voigt, G., Andersson, K.G.*, Roed, J.*, Varga, K.*: **Guidelines for planning interventions against external exposure in industrial area after a nuclear accident. Part I: A holistic approach of countermeasure application.** Neuherberg: GSF-Forschungszentrum GmbH, GSF-Bericht 1/03, 67 S. (2003)

Kis, Z., Eged, K., Voigt, G., Meckbach, R., Müller, H.: **Guidelines for planning interventions against external exposure in industrial area after a nuclear accident. Part I: Calculation of doses using Monte Carlo method.** Neuherberg: GSF-Forschungszentrum GmbH, GSF-Bericht 2/03, 33 S. (2003)

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