

Professor Midrag Krmar
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Professor Krmar holds full Professorship at Physics Department at Novi Sad University since 2012. At the same Department he spends last thirty years, starting from Assistant position. In the capacity of visiting researcher he spends more than two years at JINR Dubna, Russia and three years at California State University Dominguez Hills, Los Angeles. Professor Krmar actively participated at a number of projects, as a researcher or principal investigator, mostly at the national level in Serbia, IPA and COST projects. Two times he was awarded by NIH grant in United States and JINR grants. Several years Professor Krmar was national coordinator for JINR – Serbia collaboration.

He has about 90 publications in international journals and about 800 citations. Field of research of Professor Krmar is relatively broad and basically includes gamma spectroscopy in nuclear structure examination, environmental radioactivity, medical physics, cosmic radiation, low-background detection systems, photon and neutron induced nuclear reactions, etc.

List of some recent publications:

1. M. Krmar, Y. Teterev, A.G. Belov, S. Mitrofanov: The quality of megavoltage photon beams measured by the ratio of photoactivation and neutron capture yields, *Nuclear Inst. and Methods in Physics Research*, A 901, 133–139, (2018)
2. M. Krmar, D. Radnović, J. Hansman, M. Mesaroš, C. Betsou, T. Jakšić, P. Vasić: Spatial distribution of ^7Be and ^{137}Cs measured with the use of biomonitors, *Journal of Radioanalytical and Nuclear Chemistry* 318, 1845–1854, (2018)
3. A.A. Toth, L.D. Dragović, N.V. Ignjatov, M. Krmar: Photon dose at the maze entrance door: The comparison of flattening filter and flattening filter free working modes, *Physica Medica* 49, 1-4, (2018)
4. B. Andelić, D. Knežević, N. Jovančević, M. Krmar, J. Petrović, A. Toth, Ž. Medić, J. Hansman: Presence of neutrons in the low-level background environment estimated by the analysis of the 595.8 keV gamma peak, *Nuclear Inst. and Methods in Physics Research* A852, 80–84, (2017)

5. M. Krmar, D. Radnovic, J. Hansman, P. Repic: Influence of broadleaf forest vegetation on atmospheric deposition of airborne radionuclides, *Journal of Environmental Radioactivity* 177, 32-36,(2017)
6. Á.Á. Tóth, B. Petrovic, N. Jovancevic, M. Krmar, L. Rutonjski, O. Cudic: The evaluation of the neutron dose equivalent in the two-bend maze, *Physica Medica* 36, 119–125, (2017)
7. D. C. Vu, A. M. Sukhovej, L. V. Mitsyna, Sh. Zeinalov, N. Jovancevic, D. Knezevic, M. Krmar, and A. Dragic: Representation of Radiative Strength Functions within a Practical Model of Cascade Gamma Decay, *Physics of Atomic Nuclei* 80, No. 2, 237–250, (2017)
8. M.Krmar, D.T.Mihailović, I.Arsenić, D.Radnović, I.Pap: Beryllium-7 and ^{210}Pb atmospheric deposition measured in moss and dependence on cumulative precipitation *Science of the Total Environment* 541, 941–948, (2016)
9. D. Knežević, N. Jovančević, M. Krmar, J. Petrović: Modeling of neutron spectrum in the gamma spectroscopy measurements with Ge-detectors, *Nuclear Instr. and Methods in Physics Research A* 833 (2016) 23–26
10. S. Raksawong, M. Krmar, T. Bhongsuwan: Measurement of ^7Be inventory in the outer Songkhla lagoon,Thailand, *J Radioanal Nucl Chem* 310, 33–44, (2016)
11. D. Mihailovic, M. Krmar, G. Mimic, E. Nikolic-Djoric, B. Smetanova, K. Holy, J. Zelinka, J. Omelka: A complexity analysis of Rn-222 concentration variation: A case study for Domica cave, Slovakia for the period June 2010-June 2011, *Radiation Physics and Chemistry* 106, 88-94, (2015)
12. M. Krmar, M. Velojic, J. Hansman, R. Ponjarac, A. Mihailovic, N. Todorovic, M. Vucinic – Vasic, R. Savic: Wind erosion on Deliblato (the largest European continental sandy terrain) studied using $^{210}\text{Pb}_{\text{ex}}$ and ^{137}Cs measurements, *Journal of radioanalytical and nuclear chemistry* 303, 2511–2515, (2015)
13. D.T. Mihailovic, V. Udovičić, M. Krmar, I. Arsenić: A complexity measure based method for studying the dependence of ^{222}Rn concentration time series on indoor air temperature and humidity, *Applied Radiation and Isotopes* 84 (2014) 27–32
14. S. Ilić, J. Hansman, N. Jovančević, M. Krmar, Specific gamma-ray dose constant for ^{252}Cf sealed with produced fission fragments, *Physics Procedia* 59, 78 – 82, (2014)
15. M. Krmar, D. Radnović, J. Hansman, Correlation of unsupported ^{210}Pb activity in soil and moss , *Journal of Environmental Radioactivity* 129, 23 – 26, (2014)