Mostafa Mostafa

PhD

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Google scholar: https://scholar.google.ru/citations?user=S9XsFWYAAAJ&hl=ru
Researchgate: https://www.researchgate.net/profile/Mostafa_Yuness2
Mendeley: https://www.mendeley.com/profiles/mostafa-mostafa6/
Scopus: https://www.scopus.com/authid/detail.uri?authorId=56865806200

Junior researcher and PhD student in experimental physics department Ural Federal University Ekaterinburg – Russia.
PhD title (Primary standard source of radon concentration)
18 scientific conferences around the world.
17 international publication in pre- review journals.

Research interests

Radiation Dosimetry-Detectors-Aerosols-Environmental Radioactivity-Particle Size-Radiation Measurements-Radon-Radon Daughters-Background Radiation-SRIM

SKILLS

- English language (TOEFL)
- Russian language
- ICDL
- Radiation protection programming
- Information technology
- Research
- Creative
- Hard work
- Communication skills
- Teamwork
- Public speaking

WORK EXPERIENCE

Researcher
Ural Federal University, institute of physics and technology, department of experimental physics
10/2014 – Present

Yekaterinburg, Russia

Achievements/Tasks

- Create a new system for radon and radon progeny concentration primary standard source for first time in Russia and
- Publishing some new results in a high quality journals

Contact:
Vladimir Ivanov
v.ivanov@urfu.ru
Assistant Lecturer

Minia University, faculty of science, Physics department
03/2010 – Present

Minia, Egypt

Achievements/Tasks

- Teaching experimental lab in physics for B.SC students in deferent fields (properties of matter, electricity, optics, heat, magnetism, electronics and radiation)
- Member of the quality assurance teamwork in the faculty of science Minia University

Contact:
all faculty staff
sci@mu.edu.eg

Demostrator
Minia university, faculty of science, Physics department
12/2005 – 03/2010
Achievements/Tasks
Msc degree in field of environmental radiation
Contact:
All staff
sci@mu.edu.eg

CONFERENCES

1. Seventh International Conference on Radiation in Various Fields of Research (**RAD 7 2019** Conference), which will be held at the Hunguest Hotel Sun Resort, Herceg Novi, Montenegro, in the period from June 10 to June 14, 2019.
2. The International Conference «High-tech and Innovations in Research and Manufacturing **(HIRM-2019) »** will be held at *AeroSpace school, IT Lab*, Krasnoyarsk, Russia on May 6, 2019
3. Sixth International Young Researchers' Conference Physics. Technologies. Innovation. dedicated to the 70th anniversary of the Institute of Physics and Technology **PTI-2019** May 20-24, 2019 Yekaterinburg Физика. Технологии. Инновации (**ФТИ-2019**) VI Международная молодежная научная конференция, посвященная 70-летнему юбилею ФТИ.
4. **«International School and Conference "Saint-Petersburg OPEN 2019"** on Optoelectronics, Photonics, Engineering and Nanostructures» (международная школа-конференция по оптоэлектронике, фотонике, инженерии и наноструктурам»).
5. 10th International Aerosol Conference (**IAC 2018**) to be held September 2-7, **2018** at the **America's Center in St**. **Louis, Missouri, USA**.
6. Sixth International Conference on Radiation and Applications in Various Fields of Research (**RAD 2018**) in **Ohrid, Macedonia** 18rd to 22th of Jun.
7. sixth International Youth Scientific Conference Innovations. Physics. Technologies. **IPT-2018** May 17-21, 2018, **Ekaterinburg, Russia**.
8. IV International Youth Scientific Conference Innovations. Physics. Technologies. **IPT-2017** May 15-19, 2017, **Ekaterinburg, Russia**.
9. Конференция «Биосферная совместимость атомной энергетики» **Екатеринбург, 2017.**
10. The 8th Conference on Protection against Radon at Home and at Work (**8th Radon conference**) and the 13th International Workshop on the Geological Aspects of Radon Risk Mapping (**GARRM 13th**), September 12-16, 2016, **Prague, Czech Republic.**
11. Fourth International Conference on Radiation and Applications in Various Fields of Research (**RAD 2016**) in **Niš, Serbia**, from 23rd to 27th of May.
12. III International Youth Scientific Conference Innovations. Physics. Technologies. **IPT-2016** May 16-20, 2016, **Ekaterinburg, Russia**.
13. The 2nd International Conference "**Radon in the Environment 2015**", May 23-27, 2015. **Kraków, Polond.**

14. II International Youth Scientific Conference Innovations. Physics. Technologies. **IPT-2015** April 20-24, 2015, **Ekaterinburg, Russia**.
15. 8th International Conference on High Levels of Natural Radiation and Radon Areas. September 1-5, 2014, **Prague, Czech Republic.**
16. I International Youth Scientific Conference Innovations. Physics. Technologies. **IPT-2014** April 20-24, 2014, **Ekaterinburg, Russia**.
17. International Conference on Basic Science and Environmental Applications, At, **Fayoum, Egypt,** Volume: April 3 – 4, 2016
18. Sixth International Conference on NANO-TECHNOLOGY IN CONSTRUCTION NTC, 2014, **Cairo, Egypt**
19. Macro-molecular Structure of Biological and Non-Biological Materials, Nov 2012**, Egypt**
20. 5th Environmental Physics Conference, Sep 2012, **Sharm El-shikh, Egypt**
21. 4th Environmental Physics Conference, Mar 2010 **Hurghada, Egypt**

PUBLICATIONS

1. HMH Zakaly, MYA Mostafa, D Deryabina, M Zhukovsky - Comparative Studies on the Potential Use of 177Lu-Based Radiopharmaceuticals for the Palliative Therapy of Bone Metastases. International Journal of Radiation Biology, 2020
2. MYA Mostafa, HNB Khalaf, M Zhukovsky Radon decay products equilibrium at different aerosol concentrations. Applied Radiation and Isotopes, 2020
3. MY Hanfi, MYA Mostafa, MV Zhukovsky Heavy metal contamination in urban surface sediments: sources, distribution, contamination control, and remediation. Environmental Monitoring and Assessment, 2020
4. H N B Khalaf, **M Y A Mostafa**, M Zhukovsky: Radioactive and non-radioactive aerosol permeability through two types of analytical filters. Journal of Physics Conference Series 11/2019; 1353:012080., DOI:10.1088/1742-6596/1353/1/012080
5. H MH Zakaly, **M Y A Mostafa**, M Zhukovsky: Internal Dosimetry assessment for monoclonal antibodies and antibody fragments labeled by Lutetium-177. Journal of Physics Conference Series 11/2019; 1353:012078., DOI:10.1088/1742-6596/1353/1/012078
6. **Mostafa Yuness Abdelfatah Mostafa**, Hyam Nazmy Bader Khalaf, M. Zhukovsky: Radon decay products equilibrium at different aerosol concentrations. Applied Radiation and Isotopes 11/2019;, DOI:10.1016/j.apradiso.2019.108981
7. Hyam Nazmy Bader Khalaf, **Mostafa Yuness**, M. Zhukovsky: A combined system for radioactive aerosol size distribution measurements of radon decay products. Radiation Physics and Chemistry 07/2019;, DOI:10.1016/j.radphyschem.2019.108402
8. Hesham Mahmoud Hamed Zakaly, **Mostafa Yuness Abdelfatah Mostafa**, Michael Zhukovsky: Dosimetry Assessment of Injected 89Zr-Labeled Monoclonal Antibodies in Humans. Radiation Research 03/2019; 191(5)., DOI:10.1667/RR15321.1
9. Mostafa Yuness, Atef El-Taher: Radon Standard Source in Different Countries with Different Principals. DOI:10.18576/jrna

10. Khalaf, H.N., **Mostafa, M.Y.A.,** Vasyanovich, M., Zhukovsky, M., 2019. Comparison of radioactive aerosol size distributions (Activity, number, mass, and surface area). Appl. Radiat. Isot. 145, 95–100. https://doi.org/10.1016/j.apradiso.2018.12.022
11. Khalaf, H.N., **Mostafa, M.Y.A.**, Zhukovsky, M., 2019b. Effect of electronic cigarette (EC) aerosols on particle size distribution in indoor air and in a radon chamber. Nukleonika 64, 31–38. https://doi.org/10.2478/nuka-2019-0004
12. Khalaf, H.N.B., **Mostafa, M.Y.A.**, Zhukovsky, M., 2019. A combined system for radioactive aerosol size distribution measurements of radon decay products. Radiat. Phys. Chem. 165, 108402. https://doi.org/10.1016/j.radphyschem.2019.108402
13. Khalaf, H.N.B., **Mostafa, M.Y.A.,** Zhukovsky, M., 2019. Radioactive aerosol permeability through Russian radiometric analytical (PF) filters. J. Radioanal. Nucl. Chem. 319, 1283–1289. https://doi.org/10.1007/s10967-019-06421-z
14. Khalaf, H.N.B., **Mostafa, M.Y.A.**, Zhukovsky, M., 2019c. Radiometric efficiency of analytical filters at different physical conditions. J. Radioanal. Nucl. Chem. https://doi.org/10.1007/s10967-018-6347-6
15. **Mostafa, M.Y.A.**, Zakaly, H.M.H., Zhukovsky, M., 2019. Assessment of exposure after injection of 99mTc-labeled intact monoclonal antibodies and their fragments into humans. Radiol. Phys. Technol. 12, 96–104. https://doi.org/10.1007/s12194-018-00496-1

16. **Mostafa, M.Y.A**., Zhukovsky, M.V., 2019. ALPHA SELF-ABSORPTION EVALUATION IN RADIOMETRIC FILTER MATERIAL FOR THE NATURAL RANGE OF ALPHA ENERGY (5-9 MeV). RAD Conf. Proc. 3, 115–118. https://doi.org/10.21175/RadProc.2018.25
17. Khalaf, H.N.B., **Mostafa, M.Y.A**., Zhukovsky, M., 2018. Radiometric efficiency of analytical filters at different physical conditions. J. Radioanal. Nucl. Chem. 319, 347–355. https://doi.org/10.1007/s10967-018-6347-6
18. Zakaly, H.M.H., **Mostafa, M.Y.A**., Zhukovsky, M., 2019. Dosimetry Assessment of Injected 89Zr-Labeled Monoclonal Antibodies in Humans. Radiat. Res. https://doi.org/10.1667/rr15321.1
19. **Mostafa, M.Y.A.,** El-taher, A., 2019. Radon Standard Source in Different Countries with Different Principals 41, 35–41.
20. **Mostafa, M.,** 2018. (Online First)Annual indoor concentration of radon decay products. Med. Imaging Process Technol. 1. https://doi.org/10.24294/mipt.v1i2.758
21. **Mostafa, M.Y.A.,** Vasyanovich, M., Zhukovsky, M., 2017. A primary standard source of radon-222 based on the HPGe detector. Appl. Radiat. Isot. 120, 101–105. https://doi.org/10.1016/j.apradiso.2016.12.012
22. **Mostafa, M.Y.A.**, Vasyanovich, M., Zhukovsky, M., 2016. Prototype of a primary calibration system for measurement of radon activity concentration. Appl. Radiat. Isot. 107, 109–112. https://doi.org/10.1016/j.apradiso.2015.10.014
23. **Mostafa, Y.A.M.**, Vasyanovich, M., Zhukovsky, M., Zaitceva, N., 2015. Calibration system for radon EEC measurements. Radiat. Prot. Dosimetry 164, 587–590. https://doi.org/10.1093/rpd/ncv316
24. Nazmy, H., **Mostafa, M.Y.A**., Zhukovsky, M., 2018. Particle Size Distribution of E-Cigarette Aeroso ls in Indoor Air. J. Radiat. Nucl. Appl. An Int. J. 3, 111. https://doi.org/10.18576/jrna/030206
25. Nazmy, H., **Moustafa, M.,** Mohamed, A., Ahmed, A.-R., Yuness, M., 2014a. Size Distribution Characterization of Indoor Aerosol Particles Hyam. Int. J. Adv. Res. 2, 585–591.
26. Nazmy, H., **Moustafa, M.**, Mohamed, A., Ahmed, A.-R., Yuness, M., 2014b. Size Distribution Characterization Of Outdoor Aerosol Particles. Int. J. Sci. Technol. Res. 3.
27. Vasyanovich, M., **Mostafa, M.Y.A**., Zhukovsky, M., 2017. ULTRAFINE AEROSOL INFLUENCE ON THE SAMPLING BY CASCADE IMPACTOR. Radiat. Prot. Dosimetry 177, 49–52. https://doi.org/10.1093/rpd/ncx169
28. **Yuness, M.,** Mohamed, A., Abd El-Hady, M., Moustafa, M., Nazmy, H., 2015a. Indoor Activity of Short-Lived Radon Progeny as Critical Parameter in Dose Assessment. Solid State Phenom. 238, 151–160. https://doi.org/10.4028/www.scientific.net/SSP.238.151
29. **Yuness, M.,** Mohamed, A., AbdEl-hady, M., Moustafa, M., Nazmy, H., 2015b. Effect of indoor activity size distribution of222Rn progeny in-depth dose estimation. Appl. Radiat. Isot. 97, 34–39. https://doi.org/10.1016/j.apradiso.2014.12.002
30. **Yuness, M**., Mohamed, A., Nazmy, H., 2012a. Measurement of Bithmuth (214 Bi) in Indoor Air and Evaluation of Deposition Fraction, International Journal of Science and Research (IJSR) ISSN.
31. **Yuness, M.,** Mohamed, A., Nazmy, H., Moustafa, M., Abd El-hady, M., 2016. Indoor activity size distribution of the short-lived radon progeny. Stoch. Environ. Res. Risk Assess. 30, 167–174. https://doi.org/10.1007/s00477-015-1057-x
32. **Yuness, M.**, Mohamed, A.M., El-hady, M.L.A., Moustafa, M., 2012b. Ultrafine Fraction and Aerosol Attached Activity Size Distribution of Radon Progeny in Living Room. J. Phys. Sci. Appl. 2(7), 105–115.
33. Васянович, М.Е. ; **Мостафа, М.Ю. ;** Жуковский, М.В. ; Екидин, А.А. ; Исламов, И.А., 2017. Влияние ультрадисперсных аэрозолей ДПР радона на измерения, выполняемые при помощи каскадных импакторов. АНРИ № 2, 32–39.
34. **Мостафа Юнесс Абдельфатах Мостафа,** Михаил Владимирович Жуковский, М.Е.В., 2017. ПРОТОТИП ПЕРВИЧНОГО ЭТАЛОНА ОБЪЕМНОЙ АКТИВНОСТИ РАДОНА. АНРИ 2–15. https://doi.org/https://elibrary.ru/item.asp?id=29915215
35. Mohamed, A., Abd El-hady, M., Moustafa, M., **Yuness, M.,** 2014. Deposition pattern of inhaled radon progeny size distribution in human lung. J. Radiat. Res. Appl. Sci. 7, 333–337. https://doi.org/10.1016/j.jrras.2014.05.004
36. Mohamed, A., Ahmed, A.A., Ali, A.E., **Yuness, M.**, 2008. Attached and unattached activity size distribution of short-lived radon progeny (Pb) and evaluation of deposition fraction. J. Nucl. Radiat. Phys. 3, 101–108.