

4. H.O. Tekin, L. R. P. Kassab, Shams A.M. Issa, M.M. Martins, L. Bontempo, Guilherme Rodrigues da Silva Mattos. Newly developed BGO glasses: Synthesis, optical and nuclear radiation shielding properties. *Ceramics International*. 46 (2020) 11861-11873. <https://doi.org/10.1016/j.ceramint.2020.01.221>
5. M.R. Kacal, H. Polat, M. Oltulu, F. Akman, O. Agar & H.O. Tekin. Gamma shielding and compressive strength analyses of polyester composites reinforced with zinc: an experiment, theoretical, and simulation based study. *Applied Physics A* 126, 205 (2020). <https://doi.org/10.1007/s00339-020-3382-2>
6. Umit Kara, Shams A.M. Issa, G. Susoy, M. Rashad, E. Kavaz, N. Yildiz Yorgun, H.O. Tekin. Synergistic effect of serpentine mineral on Li₂B₄O₇ glasses: optical, structural and nuclear radiation shielding properties. *Applied Physics A* 126, 208 (2020). <https://doi.org/10.1007/s00339-020-3397-8>
7. M. Rashad, H.O. Tekin, Hesham M.H. Zakaly, Mariia Pyshkina, Shams A.M. Issa, G. Susoy. Physical and nuclear shielding properties of newly synthesized magnesium oxide and zinc oxide nanoparticles. *Nuclear Engineering and Technology*. Available online 24 February 2020. <https://doi.org/10.1016/j.net.2020.02.013>
8. M.S. Al-Buriahi, Halil Arslan, H.O. Tekin, V.P. Singh, Baris Tonguc. MoO₃-TeO₂ glass system for gamma ray shielding applications. *Mater. Res. Express* 7 (2020) 025202. <https://doi.org/10.1088/2053-1591/ab6db4>
9. E. Kavaz, F.I. El-Agawany, H.O. Tekin, U. Perisanoglu, Y.S. Rammah. Nuclear radiation shielding using barium borosilicate glass ceramics. *Journal of Physics and Chemistry of Solids*. 142 (2020) 109437. <https://doi.org/10.1016/j.jpics.2020.109437>
10. Mohamed M. Abuzaid, G. Susoy, Shams A.M. Issa, W. Elshami, O. Kilicoglu, H.O. Tekin. Relationship between melting-conditions and gamma shielding performance of fluoro-sulphosphate (FPS) glass systems: A comparative investigation. *Ceramics International*. 46 (2020) 15255-15269. <https://doi.org/10.1016/j.ceramint.2020.03.065>
11. Umit Kara, E. Kavaz, Shams A.M. Issa, M. Rashad, G. Susoy, A.M.A. Mostafa, N. Yildiz Yorgun, H.O. Tekin. Optical, structural and nuclear radiation shielding properties of Li₂B₄O₇ glasses: effect of boron mineral additive. *Applied Physics A*. 126, 261 (2020). <https://doi.org/10.1007/s00339-020-3446-3>

12. Yasser B. Saddeek, Shams A.M. Issa, E.E. Altunsoy Guclu, O.Kilicoglu, G.Susoy, H.O. Tekin. Alkaline phosphate glasses and synergistic impact of germanium oxide (GeO₂) additive: Mechanical and nuclear radiation shielding behaviors. *Ceramics International* 46 (2020) 16781-16797. <https://doi.org/10.1016/j.ceramint.2020.03.254>
13. Umit Kara, Shams A.M. Issa, N. Yildiz Yorgun, O. Kilicoglu, M. Rashad, Mohamed M. Abuzaid, E. Kavaz, H.O. Tekin. Optical, structural and gamma ray shielding properties of dolomite doped lithiumborate glasses for radiation shielding applications. *Journal of Non-Crystalline Solids*. 539 (2020) 120049 <https://doi.org/10.1016/j.jnoncrysol.2020.120049>
14. Shams A.M. Issa, Atif Mossad Ali, G. Susoy, H.O. Tekin, Yasser B. Saddeek, Reda Elsaman, H.H. Smailly, H. Algarni. Mechanical, physical and gamma ray shielding properties of xPbO-(50-x) MoO₃-50V₂O₅ (25 ≤ x ≤ 45 mol %) glass system. *Ceramics International*. 46 (2020) 20251-20263. <https://doi.org/10.1016/j.ceramint.2020.05.107>
15. E.E. Altunsoy, H.O. Tekin, A. Mesbahi, I. Akkurt. MCNPX Simulation for Radiation Dose Absorption of Anatomical Regions and Some Organs. *Acta Physica Polonica A* 137 (2020) 4. doi: 10.12693/APhysPolA.137.561
16. E. Kavaz, H.O. Tekin, G. Kilic, G. Susoy. Newly developed Zinc-Tellurite glass system: An experimental investigation on impact of Ta₂O₅ on nuclear radiation shielding ability. *Journal of Non-Crystalline Solids* 544 (2020) 120169. <https://doi.org/10.1016/j.jnoncrysol.2020.120169>
17. U. Perişanoğlu, E. Kavaz, H.O. Tekin, S.R. Armoosh, N. Ekinci, M. Oltulu. Comparison of gamma and neutron shielding competences of Fe-Cu- and brass-added Portland cement pastes: an experimental and Monte Carlo study. *Applied Physics A*. 126, 470 (2020). <https://doi.org/10.1007/s00339-020-03648-6>
18. U. Kara, E. Kavaz, Shams A.M. Issa, M. Rashad, M.M. Abuzaid, R. Uslu Erdemir, H.O. Tekin. FTIR, structural and radiation attenuation properties of amalgam dental composites for medical applications. *Materials Chemistry and Physics* 253 (2020) 123261. <https://doi.org/10.1016/j.matchemphys.2020.123261>
19. H.O. Tekin, F. Akman, Shams A.M. Issa, M.R. Kacal, O. Kilicoglu, H.Polat. Two-step investigation on fabrication and characterization of iron-reinforced novel composite materials for nuclear-radiation shielding applications. *Journal of Physics and Chemistry of Solids* 146 (2020) 109604. <https://doi.org/10.1016/j.jpics.2020.109604>

20. Reda Elsaman, Shams A. M. Issa, H. O. Tekin, G. Susoy, A. A. Showahy, M. M. Elokr, T. T. Erguzel & Yasser B. Saddeek. (59.5–x) P2O5–30Na2O–10Al2O3–0.5CoO–xNd2O3 glassy system: an experimental investigation on structural and gamma-ray shielding properties. *Applied Physics A* 126, 502 (2020). <https://doi.org/10.1007/s00339-020-03697-x>
21. U. Kara, G. Susoy, Shams A. M. Issa, Wiam Elshami, N. Yildiz Yorgun, M. M. Abuzaid, E. Kavaz, H.O. Tekin. Scanning electron microscopy (SEM), energy-dispersive X-ray(EDX) spectroscopy and nuclear radiation shielding properties of $[\alpha\text{-Fe}^{3+}\text{O}(\text{OH})]$ -doped lithium borate glasses. *Applied Physics A* 126, 506 (2020). <https://doi.org/10.1007/s00339-020-03683-3>
22. Mahmoud Gaballah, Shams A M Issa, Yasser B Saddeek, Reda Elsaman, Gulfem Susoy, Türker Tekin Ergüzel, Thamer Shalih Al-Harbi and H.O. Tekin. Mechanical and nuclear radiation shielding properties of different boro-tellurite glasses: A comprehensive investigation on large Bi2O3 concentration. *Physica Scripta* 95 (2020) 085701. <https://doi.org/10.1088/1402-4896/ab9bde>
23. Wiam Elshami, Mohamed M. Abuzaid, H.O. Tekin. Effectiveness of Breast and Eye Shielding During Cervical Spine Radiography: An Experimental Study. *Risk Management and Healthcare Policy* 13 (2020) 697-704. <http://doi.org/10.2147/RMHP.S257185>
24. U. Kara, G. Susoy, Shams A.M. Issa, Wiam Elshami, N. Yildiz Yorgun, M.M. Abuzaid, E. Kavaz, H.O. Tekin. Iron (III) oxide doped lithium borate glasses: structural and charged particles/photon shielding properties. *Journal of Non-Crystalline Solids* 546 (2020) 120281. <https://doi.org/10.1016/j.jnoncrysol.2020.120281>
25. Y.S. Rammah, E. Kavaz, U. Perisanoglu, Gokhan Kilic, F.I. Ek-Agawany, H.O. Tekin. Charged particles and gamma-ray shielding features of oxyfluoride semiconducting glasses: TeO2-Ta2O5-ZnO/ZnF2. *Ceramics International* Available Online 7 June 2020. <https://doi.org/10.1016/j.ceramint.2020.06.289>
26. Y.S. Rammah, H.O. Tekin, C. Sriwunkum, I. Olarinoye, Amani Alalawi, M.S. Al-Buriahi, T. Nutaro, Baris T. Tonguc. Investigations on borate glasses within SBC-Bx system for gamma-ray shielding applications. *Nuclear Engineering and Technology* Available online 18 July 2020. <https://doi.org/10.1016/j.net.2020.06.034>

27. Mohamed M. Abuzaid, Wiam Elshami, A. El Serafi, T. Hussien, J.R. McConnell and H.O. Tekin. Toward National CT Diagnostic Reference Levels in the United Arab Emirates: A Multicenter Review of CT Dose Index and Dose Area Product. Radiation Protection Dosimetry (2020), pp. 1–7. doi:10.1093/rpd/ncaa100

Dr. Mohamed M Abdelfatah

Academic year 2019/2020

Publication; Scopus Journals

1. Kavaz E, Tekin HO, Agar O, Altunsoy EE, Kilicoglu O, Kamislioglu M, **Abuzaid M** et al. The Mass stopping power / projected range and nuclear shielding behaviors of barium bismuth borate glasses and influence of cerium oxide. Ceram Int. **2019 Accepted Article**
2. **Abuzaid M**, Abdelrazig A, Sulieman A, Alkhorayef M, Babikir E, Alonazi B, et al. Radiation dose to the paediatric undergoing diagnostic coronary angiography and percutaneous intervention procedures. Radiat Phys Chem. **2019, Accepted Article**
3. Elshami WE, **Abuzaid MM**, Guraya SS, David LR. Acceptability and potential impacts of innovative E-Portfolios implemented in E-Learning systems for clinical training. J Taibah Univ Med Sci. **2018** Dec 1;13(6):521–7. DOI: 10.1016/j.jtumed.2018.09.002
4. Dalah EZ, Mahdi O, Elshami W, **Abuzaid MM**, David LR, Mira OA, et al. Occupational doses to cardiologists performing fluoroscopically-guided procedures. Radiat Phys Chem. **2018**;153(August):21–6. DOI: 10.1016/j.radphyschem.2018.09.008
5. **Abuzaid MM**, Elshami W, Steelman C. Measurements of Radiation Exposure of Radiography Students During Their Clinical Training Using Thermoluminescent Dosimetry. Radiation Protection Dosimetry. **2018**; 179(3). DOI:10.1093/rpd/ncx261
6. Elshami W, **Abuzaid MM**, Mira O, Hamid MA. Variation of annual whole body occupational radiation exposure of medical workers in United Arab Emirates. European Conference of Radiology, **2018**. “Poster Presentation”. DOI:10.1594/ecr2018/C-0940.

Publication:

1. **Mohamed M abuzaid**, Wiam Elshami ZN. Radiation Dose Reduction and Cancer Risk Estimation Associated with Upper Limbs Radiographic Examination by using Optimal Projections: A Phantom Study. J Clin Diagnostic Res. **2019**;13(1):15–7. DOI:

10.7860/JCDR/2019/39686.12511

2. **Abuzaid MM**, Elshami W, Hasan H. Knowledge and Adherence to Radiation Protection among Healthcare Workers at Operation Theater. *Asian J Sci Res.* 2018;12(1):54–9. **DOI:** 10.3923/ajsr.2019.54.59
3. Ali WM, Dalah EZ, Ahmed LH, **Abuzaid MM**. Modification of ^{99m}Tc -thyroid scan protocol to decrease the radiation dose to salivary glands. *J Clin Diagnostic Res.* **2018**;12(10):TC01–4. **DOI:** 10.7860/JCDR/2018/37216.12128
4. Omer F, **Abuzaid M**, Ali M, Elfadil M. Survey of health status and congenital abnormality detection among diabetic pregnant women using ultrasound. *Int J Med Sci Public Heal.* **2018**;7(11):675. **DOI:** 10.5455/ijmsph.2018.0413817052018
5. Elshami W, **Abuzaid M**, Ateeq E, Fozan S Al, Bensahraoui N, Zira D. Prevalence of repetitive stress injuries among radiological technologists in the United Arab Emirates. *American J of Diagnostic Imaging.* **2018**;3(1):12–7. **DOI:** 10.5455/ajdi.20180114095656.
6. **Abuzaid MM**, Elshami W, David L, Noorajan Z, Abdi A. Development and design of an undergraduate radiology teaching e-portfolio for clinical practice and professional development. *American J of Diagnostic Imaging.* **2018**;3(1):7–11. **DOI:**10.5455/ajdi.20171008024201.

Dr. Wiam Elshami

Academic year 2019/2020

Publication:

1. Abuzaid, M. M., **Elshami, W.**, & Noorajan, Z. (2019). Radiation Dose Reduction and Cancer Risk Estimation Associated with Upper Limbs Radiographic Examination by using Optimal Projections: A Phantom Study. *Journal of Clinical & Diagnostic Research*, 13(1).
2. Abuzaid, M. M., **Elshami, W.**, & Hasan, H. (2019). Knowledge and Adherence to Radiation Protection among Healthcare Workers at Operation Theater. *Asian Journal of Scientific Research*, 12, 54-59.
3. **Elshami, W. E.**, Abuzaid, M. M., Guraya, S. S., & David, L. R. (2018). Acceptability and potential impacts of innovative E-Portfolios implemented in E-Learning systems for clinical training. *Journal of Taibah University Medical Sciences*.

4. Dalah, E. Z., Mahdi, O., **Elshami, W.**, Abuzaid, M. M., David, L. R., Mira, O. A., ... & Bradley, D. A. (2018). Occupational doses to cardiologists performing fluoroscopically-guided procedures. *Radiation Physics and Chemistry*, 153, 21-26.
5. Dimas, J., Ivor, N., **Elshami, W.**, & Dlama, J. (2018). Sonographic Assessment of the Fetal Thoracic Length (FTL) as a Predictor of Gestational Age (GA) in Nigerian Population. *Časopis za Journal of applied health science*, 4(2), 225-232.
6. **Elshami, W.**, & Abdalla, M. E. (2018). Peer assessment in health professions education. *Journal of Education Technology in Health Sciences*, 5(1), 8-14.

Conferences:

1. **W. Elshami**, O. Salem, N. Almajid, A. Alghareeb, O. Alnuwaiser, B. Alhomoud, (May 2019), A Snapshot of Occupational Radiation Dose in Veterinary Radiology, 3rd International Conference on Dosimetry and its Applications, ICDA-3, Portugal, Lisbon – Poster presentation
2. **W. Elshami**, M. Abuzaid, A. D. Piersson, O. Mira, M. AbdelHamid, X Zheng, A. Sulieman (May 2019), Occupational Radiation Dose and Adherence to Radiation Safety Practices in Two Hospitals of UAE: Retrospective Cross-sectional Cohort Study, , 3rd International Conference on Dosimetry and its Applications, ICDA-3, Portugal, Lisbon - Oral presentation
3. Abuzaid, M., **Elshami, W.**, Z. Noorjan (March 2019) [Brain CT with 64 and 16 slice CT scan comparison of image quality and radiation dose with standard protocols](#), ECR, 2019 - Oral presentation
4. J. Dlama, **W. Elshami**, J. Dimas, A. Moi, N. Flavious, U. Sani, O. Prince, C. Nzotta & S. Joeseeph (September 2018) [Results from Adult patients Dose Surveys For Radiography Examinations In Two Nigerian Hospitals](#), 5th African Regional Congress on International Radiation Protection Association, Tunisia
5. U. Sani, N. Flavious, A. Moi, C. Nzotta, J.Dlama, A. Yusuf, & **Elshami, W.** (September 2018) Pioneer Study on Acceptable Quality Dose(AQD) for mammography in a Nigeria Teaching Hospital, 5th African Regional Congress on International Radiation Protection Association, Tunisia