



## Mohammad Torkiha Esfahani

Assistant Professor

College: faculty of Physics

Department: Nuclear Physics

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	13

### Papers in Journals

1. Soft X-ray tomography using the optimized regularization method in Alvand Tokamak, Fusion Engineering and Design, Vol. 193, pp. 1, 2023 09 19, SCOPUS, JCR.
2. M. Torkiha, S. L. Hashemi, M. Rezvanifard, R. Shirini, A. Ramezani Moghadam. DETERMINATION OF SELENIUM CONTENT IN WHEAT OF DIFFERENT REGIONS OF KASHAN BY NEUTRON ACTIVATION ANALYSIS IN THE MINIATURE NEUTRON SOURCE REACTOR, IRANIAN JOURNAL OF RADIATION SAFETY AND MEASUREMENT, مجلد ۲، شماره ۵، شماره صفحات ۱-۶، ۲۰۱۸، ۱۱۶.
3. M. Ghadiri, M. Torkiha, O. R. Kakuee, V. Fathollahi. COMBINATION OF PARTICLE-INDUCED X-RAY EMISSION (PIXE) SPECTROMETRY AND PROTON-INDUCED GAMMA-RAY EMISSION (PIGE) SPECTROMETRY FOR ANALYSIS OF AZURE COLOR IN TILE, JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY, مجلد ۱، شماره ۷۰، شماره صفحات ۱۹-۲۴، ۲۰۱۵، ۱۱۲۴.
4. M. Torkiha, M. Lamehi, R. Racht, D. Agha, F. Razi, Aligol, Microbeam analysis of lateral inhomogeneity in depth penetration of Pd in porous silicon, Nuclear Instruments and Methods in Physics Research Section B, Vol. 8, No. 266, pp. 1507-1510, 2008.
5. M. Ghafouri, H. Sadeghi, M. Torkiha, Self-consistent description of the SHFB equations for  $^{112}\text{Sn}$ . Results in physics, <https://doi.org/10.1016/j.rinp.2017.12.076>, Vol. 1, No. 8, pp. 734-743, 2018 4 24.
6. M. Hadad, M. Torkiha, & Esfahani, Optimum point of acceleration of an electron inside the collisional plasma-filled elliptical waveguide, Journal of Plasma Physics, Vol. 2, No. 81, 2015 6 1.
7. M. Hadad, M. Torkiha, & Esfahani, Infrared wave interaction with an electron in the rectangular and circular plasma waveguide, Waves in Random and Complex Media, Vol. 1, No. 25, pp. 91-108, 2015 4 1.
8. M. Hadad, M. Torkiha, & Esfahani, Electron Acceleration Inside a Circular and Elliptical Plasma Waveguide With Metallic Rod, IEEE T PLASMA SCI, Vol. 8, No. 42, pp. 2015-2022, 2014 8 01, ISI.
9. M. Rahimi, M. Torkiha, O. R. Kakuee, V. Fathollahi, A COMPARATIVE STUDY OF DEPTH PROFILING OF OXYGEN IN NANOPOROUS ANODIC ALUMINA BY NUCLEAR REACTION ANALYSIS AND  $^{160}\text{Gd}$   $\gamma$   $^{160}\text{Gd}$  RESONANT ELASTIC SCATTERING, IRANIAN JOURNAL OF RADIATION SAFETY AND MEASUREMENT, Vol. 4, No. 1, pp. 41-46, 2013 1 1.