

Dr. Niranjana K M

Designation :Assistant Professor
Qualification :M.Sc., Ph.D
Experience :Teaching- 08 years
Research: 05 Years
Area of Interest :Nuclear Physics, Computational Physics
Date of joining :20/10/2022
Email ID :niranjana^{km}@rvce.edu.in

Project:

Number of Doctorate Students

Completed: 01 Guiding: 01

Publication

National Journals	National Conferences	International Journals	International Conferences	Book/Book Chapter Published	Patent Granted
	02	10		01	

List of Publications:

1. Tushar, Niranjana K M, Saravanan C. "Design and Development of automatic lab data analyzer and evaluator", IARJSET, 10(8), 2023.
2. K. M. Niranjana, G. B. Hiremath, N. H. Ayachit & N. M. Badiger. "Effect of crystal structure on K shell binding energy of lead, mercury and tungsten using bremsstrahlung radiation", SPECTROSCOPY LETTERS, 2023.
3. K. M. Niranjana, N. M. Badiger, Daisy Joseph, and S. Kailas. "Measurement of K absorption edge energies of silver and tin targets using a weak beta source." X-Ray Spectrometry, 39(6):359–363, 2010.
4. K. M. Niranjana, Krishnananda, N. M. Badiger, Daisy Joseph, and S. Kailas. "Determination of K shell parameters of silver using high resolution HPGe detector spectrometer." Int. J. Nuclear Energy Science and Technology, 7(3):179–190, 2013.
5. K. M. Niranjana and N. M. Badiger. "Determination of the K absorption edge energy of Ho in element and its compounds using the bremsstrahlung technique." Journal of Physics B: Atomic, Molecular and Optical Physics, 46(9):095006-5, 2013.
6. K. M. Niranjana and N. M. Badiger. "K shell ionization and vacancy transfer probabilities in beta decay." Karnatak University Journal of Science, 49:20–28, 2013.
7. Krishnananda, K. M. Niranjana and N. M. Badiger. "Measurement of real and imaginary form-factors of silver atom using a high resolution HPGe detector." Journal of X-Ray Science and Technology, 21(4):557–565, 2013.
8. K. M. Niranjana, Krishnananda and N. M. Badiger. "Effect of chemical environment on K shell binding energy of Ag and Sn." Chemical Physics Letters, 604:33–37, 2014.
9. K. M. Niranjana and N. M. Badiger. "K shell parameters of some lanthanide elements using bremsstrahlung." Radiation Physics and Chemistry, 107:59–64, 2015.
10. Krishnananda, Santosh Mirji, S. Ramesh Babu, K. M. Niranjana and N. M. Badiger. "Measurement of anomalous scattering factors of tin using characteristic X-ray photons." Canadian Journal of Physics, 93:1112–1116, 2015.

Papers Presented in Conferences:

1. Chemical effect on K shell binding energy of Pb using a weak beta source, Conference: Application of Radiation, Radiation Environment and Human Health - In XL Indian Social Science Congress, Organising Institute: Department of Studies in Physics, University of Mysore, Mysore, from 19/12/2016 to 23/12/2016.
2. Determination of the K Shell Photoelectric Parameters of Lanthanides, Conference: 2nd DAE-BRNS Symposium on Atomic, Molecular and Optical Physics, Organising

Institute: Department of Physics, Karnatak University, Dharwad, from 22/02/2011 to 25/02/2011.