

Faculty Profile



1. **Name:** Dr. Niranjana K M,

2. **Qualification:** M.Sc; Ph.D

Programme	Specialization	Institution/University
M.Sc Physics	Nuclear Physics	University of Mysore
Ph. D	Nuclear Physics	Karnataka University, Dharwad

3. **Designation:** Assistant Professor

4. **Experience:** 4 Years

5. **Email:** niranjana26@gmail.com

Articles in journals

Sl.No	Title	Name of Journal	Date of Publication	Volume No/Issue No/Page No
1	Measurement of K absorption edge energies of silver and tin targets using a weak beta source.	X-Ray Spectrometry	23 September 2010	39(6):359–363, 2010
2	Determination of K shell parameters of silver using high resolution HPGe detector spectrometer	Int. J. Nuclear Energy Science and Technology	2013	7(3):179–190, 2013
3	Determination of the K absorption edge energy of Ho in element and its compounds	J. Phys. B: At. Mol. Opt. Phys.	26 April 2013	46(9):095006-5, 2013

	using the bremsstrahlung technique			
4	K Shell Ionization and Vacancy Transfer Probabilities in Beta Decay	Karnatak University Journal of Science	2013	49:20–28, 2013
5	Measurement of real and imaginary form factors of silver atom using a high resolution HPGe detector	Journal of X-Ray Science and Technology	8 July 2013	21(4):557–565, 2013
6	Effect of chemical environment on K shell binding energy of Ag and Sn	Chemical Physics Letters	2 May 2014	604:33–37, 2014
7	K shell parameters of some lanthanide elements using bremsstrahlung	Radiation Physics and Chemistry	5 October 2014	107:59–64, 2015
8	Measurement of anomalous scattering factors of tin using characteristic X-ray photons	Can. J. Phys.	2 March 2015	93:1112–1116, 2015

Seminars/Conferences/Symposium/Workshops

Sl. No	Name of the Conference/Seminar/Symposium/Workshop	Type of Program	Title of the Article	Role	Venue/ place	Date
1	2nd DAE-BRNS Symposium on Atomic, Molecular and Optical Physics	National Symposium	Determination of the K Shell Photoelectric Parameters of Lanthanides	Poster Presentation	Karnatak University, Dharwad	22/02/2011 to 25/02/2011
2	Application of Radiation, Radiation Environment and Human Health - In XL Indian Social Science Congress	Indian Social Science Congress	Chemical effect on K shell binding energy of Pb using a weak beta source	Oral Presentation	University of Mysore, Mysore	19/12/2016 to 23/12/2016

Own PhD Thesis

Sl.No.	Title	Guide Name	Institution	Month Year	Status
1	Interaction of Low Energy Photons with Matter: Measurement of K shell binding energy in elements and compounds.	Dr.N.M. Badiger, Professor of Physics	Karnatak University,Dharwad	February, 2014	Awarded