

Name	First Name	Middle Name	Surname
	Rajeshwari	Dhanaraj	Tanakanti
Department	Physics		
Designation	Assistant Professor		
Qualification(s)	M. Sc., M. Phil., Ph. D.		
Certification(s)/Professional Courses/Exams			
Email-Id	rajeshwari.phy@gmail.com		
Mobile No(Optional):-	09972704083		

Member of: -

College Committees	Other Committees
NAAC Criterion – 7, member	
NAAC Criterion – 3, member	
Research committee - member	
Co – warden for women’s hostel	
Result analysis and Report committee	
Feedback committee	

Research Done:

M. Phil. – Natural radionuclides distribution in soil of Donimalai region, Sandur of North Karnataka, India (2008)
Ph. D. - Radioactivity measurements in the environmental samples of North Karnataka, India (2014)
Project applied under RGS/F/VGST (2021) – Elemental analysis in traditional medicinal plants of Haveri region, Karnataka (VRN/000923/20-21)

Area of Interest in Research:

1	Radiation Physics
2	Materials Science
3	Trace elemental analysis in environmental samples

Books Published:

Name of the Book	ISBN No.	Year	Edition	Publisher
NIL				

Research publications:

01	Published an article titled “Effective atomic numbers and electron density of dosimetric materials” in <i>Journal of Medical Physics</i> , a peer-reviewed journal, 34 (3), 176-179, 2009.
02	Published an article titled “Radioactivity measurement in the granites of North Karnataka, India and its radiological implications” in <i>Indian Journal of Physics</i> , a peer-reviewed journal, 84 (11), 1461-1474, 2010.
03	Published an article titled “Radioactivity levels in rocks of North Karnataka” in <i>Indian Journal of Pure and Applied Physics</i> , a peer-reviewed journal, 48, 809-812, Nov 2010.
04	Published an article titled “Natural radioactivity levels in some environmental samples of Shahapur region of North Karnataka, India” in <i>Radiation Protection and Environment</i> , a peer-reviewed journal, 34 (1), 55-59, 2011.
05	Published an article titled “Gamma spectrometric analysis of ore samples from Sandur of Bellary, Karnataka, India” in <i>J. of Radioanalytical and Nuclear Chemistry</i> , a peer-reviewed journal, 294, 191-196, 2012.
06	Published an article titled “Implication and hazard of radiation level in the building materials” in <i>Acta Geophysica</i> , a peer-reviewed journal, 61, 1046 – 1056, 2013.
07	Published an article titled “Natural radioactivity studies of Bidar soil samples using gamma spectrometry” in <i>J. 300</i> , 61-65, April 2014.
08	Published an article titled “Absorption Studies in dilute solutions of few amino acids at 662 keV gamma energy” in <i>J. of Chemical, Biological and Physical Sciences</i> , a peer-reviewed journal, 8(2), 68-74, April 2018
09	Published an article titled “Mass Attenuation Coefficient Measurements in Turmeric Samples” in <i>Indian J. Pure & applied Physics</i> , a peer-reviewed journal, 56, 643-645, 2018.
10	Article accepted for publication titled “Synthesis, Characterization and Properties of Spinel Zinc Ferrite Nanoparticles by Chemical Coprecipitation Technique” in <i>Macromolecular Symposia</i> .

Participated / Presented papers in Conference/Seminar/Symposia

01	S. B. Kagineelli, T. Rajeshwari, Sharanabasappa, B. R. Kerur, Anil S. Kumar, “Effective atomic numbers and electron density of dosimetric materials” in the International Conference on Medical Physics at BARC, Mumbai in November 2008.
02	B R Kerur, Rajeshwari T, Anilkumar S, Narayani K and Rekha A K, “Gamma Spectrometric analysis of ore samples from Sandur of Bellary, Karnataka, India” in the 4 th International symposium on Nuclear Analytical Chemistry (NAC-IV) at BARC, Mumbai in November 2010
03	Rajeshwari T, B R Kerur and Anil Kumar S, “Radiation studies in Environmental samples from Gulbarga city, Karnatiaka, India using gamma spectrometry” in the 17 th National Symposium on Solid state nuclear track detectors and their applications (SSNTD-17) at MS University of Baroda, Vadodara, Gujarat in October 2011.
04	Rajeshwari T, B R Kerur, Narayani K and Anilkumar S “Radioactivity measurements in the environmental samples from Donimalai - Sandur region of North Karnataka, India” in the 30 th IARP National conference (IARPNC-2012) at Mangalore university, Mangalore in March 2012.
05	B R Kerur, Rajeshwari T, Rajesh Siddanna and Anil Kumar S “Implication and Hazard of Radiation level in the Building Materials” 3 rd International Geo-Harzards Research Symposium (IGRS-2012) at Tehri Garhwal, Uttarakhand in June 2012
06	Manjunath A, Rajeshwari T and B R Kerur, “Quality determination of Pharmaceutical Drug through Mass attenuation coefficient – a non destructive method”, in National Symposium on Instrumentation (NSI-37) at CSIR, Chandigarh in Oct-Nov 2012.
07	B. R. Kerur, T. Rajeshwari, B. Sannakki, S. Anilkumar, K. Narayani and A K Rekha, “ 238U, 232Th and 40K concentrations in soil from Koppal, Karnataka, India, in NSRP – 18 at BARC, Mumbai in 2010.

08	Manjunath A, Rajeshwari T and B. R. Kerur, “A comparative study of mass attenuation coefficients for pharmaceutical compounds” in NSRP – 19 at Mamallapuram, Tamil Nadu, India in December 2012
09	T. Rajeshwari, S. Rajesh, Manjunath, B. R. Kerur, S. AnilKumar, Narayani Krishnan and Amar D Pant “Radiation studies in Bidar soil samples using gamma spectrometry” In the 11 th Biennial DAE-BRNS Nuclear and radiochemistry Symposium at Jabalpur, Madhya Pradesh in February 2013.
10	T Rajeshwari, K. M. Jyoti, Amulya I M, Hanumantagouda B and Girish K “Elemental analysis of Ayurvedic roots using SEM-EDS” in National Conference on Advanced Materials : Processing and Characterization at NIT, Trichy in February 2017.
11	T. Rajeshwari and Hanumantagouda, “Mass attenuation coefficient measurements in turmeric samples” in National Conference on Radiation Physics, NCRP 2017 at Bangalore University, Bengaluru in Nov 2017.
12	Rajeshwari T, Shruti R and Ashwini, “ Gamma absorption studies in sugar solutions using SCA”, in National Conference on Radiation Physics, NCRP 2017 at Bangalore University, Bengaluru in Nov 2017.
12	Rajeshwari T and Hanumantagouda B, “Synthesis and Characterisation of Manganese Ferrite Nanoparticles” in 6 th International Conference on Advances in Materials Science (online) (ICAMS – 2021) at Jath, Maharashtra in April 2021.

Acted as Resource Person/Chairman/Rapporteur : NIL

Achievement/Awards and Recognition : 1. Awarded Senior Research Fellowship from CSIR, New Delhi, 2011-2013.

Add if any.....