

Curriculum vitae

Mr. Mallikarjun Hoogar

Assistant Professor

PG Dept. of Physics, JSS College

Vidyagiri, Dharwad-580 003, India

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M.Sc Physics (2014): Specialization (Nuclear and Particle Physics)
Title of M.Sc. Project : ***“Bremsstrahlung and Photon Induced Positron Annihilation Studies”***
Supervisor : **Dr. Blaise Lobo**
Karnatak Science College, Dharwad, India

➤ **Academia:**

M.Sc Physics: July-2014 (Karnatak Science College Dharwad, India) - 63.90%

B. Sc (Physics, Mathematics & Electronics): May 2012 (Kittle Science College, Dharwad) - 70.00%

➤ **Teaching Experience:**

2016 to Present Assistant Professor (PG Dept,) JSS College Vidyagiri Dharwad
2014-2016 Lecturer (PG Dept,) K S S College Gadag

➤ **Research Experience :**

As assistant Professor in PG department of Physics following projects have been carried out under my supervision,

2019 – “Investigation of Natural Radioactivity in Organic and Inorganic Fertilizers”

“Evaluation of Radiation Shielding Property of PVA reinforced by Lead Acetate”

2018 – “Investigation of Natural Radioactivity in Chemical Fertilizers”

“External Bremsstrahlung studies using Sr-Y⁹⁰ source”

2017 – “Gamma Spectroscopy of Environmental Samples”

“External Bremsstrahlung Studies in Cast Elements”

“Gamma Ray Interaction in Ferrites”

2016 – “Study of Back Scattering Using Gamma Ray Spectroscopy”

“Study of Mass Attenuation Coefficient in Soil Samples”

2015 – “Mass Attenuation Coefficient in Leaves”

“Introduction to Higgs Boson”

“Interaction of Gamma Rays in Metals”

➤ **Areas of Research Interest:**

- ✓ Investigation of radioactivity in environmental samples
- ✓ Radioactivity, dose rate calculations in NPK fertilizers
- ✓ Study of Interaction of gamma rays in metals, alloys, compounds
- ✓ Study Of gamma ray spectroscopy in different type of detectors

➤ **Key Skills:** *Extensive experience in Handling Instruments such as*

- ❖ NaI(Tl) gamma ray Spectrometer
- ❖ HPGE detector
- ❖ GM counter

Tools/Applications: Origin Pro. 8.0, ANUSPECT GRS software, Knowledge of formatting hard drives, installing Operating systems and software.

Operating Systems: Windows 98/XP, Windows 7, 8, 8.1, 10.

Conference

1. One day IUAC acquaintance program on 11 sept 2017 in Karnatak University, Dharwad.
2. Science academies three days lecture/workshop on computational methods in Physics and Chemistry on 6th Aug 2018, in Manipal MAHE.

Personal Details:

Date of Birth	: 29-01-1991
Father's Name	: Ramappa
Marital Status	: Single
Languages Known	: English, Kannada,, Hindi.
Nationality	: Indian
Caste	: Hindu hugar
Permanent Address	: S/o. Ramappa Hoogar H.N 33, Taluk: Saundatti Dist: Belagavi At/Post: Ugargol-591110

Declaration: I hereby declare that above information furnished is correct to best of my knowledge.

Mr. Mallikarjun Hoogar