



Dr. SANDEEP DONGRE

Lecturer In physics

CONTACT

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First Cross, Rajaji Nagar
Birur-577116, Kadur (TQ),
Chikkamagaluru (D),
Karnataka, India.

SKILLS

Origin software,
Gamma Ray Spectrometer,
Programmable Radon Counting Detector,
Micro-R-Survey Meter,
Radon Bubbler (Emanometry method),
Spark Counter,
Automatic Weather Monitoring System (AW.M.S)
Tally 9.0 VAT enabled

Languages Known

+

Kannada

Marathi

English

Hindi

EDUCATION

2014 Bachelor of Science (B.Sc.)

- ❖ I have passed the Degree examination in First class with Distinction. Total aggregate marks out of 3200 I have secured 2517 marks. i.e. 78.65%

2016 Master in Physics (M.Sc.) with Nuclear Physics Specialization

- ❖ I have passed Master in Physics with Grade A and with C.G.P.A: 6.62.
- ❖ I have done project work in the field of Nuclear Physics entitled on "A Study on Gamma Ray Attenuation Co-efficient of Some Building Materials." under the guidance of Dr. Sannappa. J and secured grade points 9.10 out of 10.

2019 Bachelor of Education (B.Ed.)

- ❖ PHYSICAL & HEALTH EDUCATION, and SOCIALLY USEFUL PRODUCTIVE WORK.
- ❖ I have done my INTERNSHIP-I & INTERNSHIP-II successfully and I passed the course with Distinction i.e. 83.9%

2024 Doctor of Philosophy in Physics

In December-2024 Ph.D., Degree was awarded by Kuvempu University on topic entitled

- ❖ "A comprehensive study on effects of environmental parameters on radon exhalation rate in soil, building materials, and its concentration in the environment of Shankaraghatta."

WORK EXPERIENCE

MT-EDUCARE, Mahesh Pre-University College LECTURER

JULY-2016 TO MAY-2017

- Mahesh College; It was my very first encounter with the teaching field in life. Obvious its great experience too, there I got unforgettable, healthy and beautiful academic experience with the faculty as well as children during teaching-learning Process.
- I have setup the General Physics Laboratory there in college and it was a fascinating and most beautiful experience of my life. Mahesh College has provided a good platform to Flourish in both Curricular and Co-curricular activities.

KUVEMPU UNIVERSITY

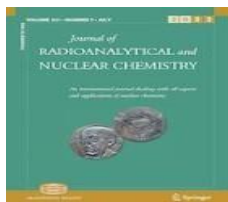
RESEARCH SCHOLAR & LECTURER,

APRIL-2019 TO TILL DATE

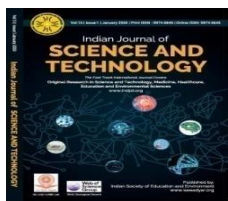
- As a carrier aspirant Research Filed not only offered in-depth and keen knowledge but apart from this, it make me to think out of the box for solutions to a particular research problem, meanwhile it endeavors me to develop new skills, strategies, work precision and authentication of the data with a systematic investigation of the study to meet the facts, and to reach new conclusions. No other field can provide me this much of exploration; rather than simply studying for a degree.
- The biggest assets we can give to society and future generation is factual knowledge with bit of reliability, morality in it. With this firm purpose of my life, I joined as a Lecturer in physics and there I used to teach Specialization subject Nuclear Physics along with Classical Mechanics and used to conduct General Physics Electronics and Nuclear specialization practical labs.
- During these academic years, I have guided the projects for M.Sc., Students.

Research Publications

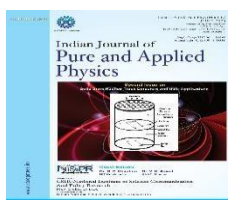
Research Publications in Referred National and International Journals:



Sandeep Dongre, Sunil Kumar, S Suresh, DR Rangaswamy, J Sannappa. "Assessment of natural radiation levels in the forest ecosystem of Shankaraghatta Shivamogga District, India." *Journal of Radioanalytical and Nuclear Chemistry* (2022): 1-23. <https://doi.org/10.1007/s10967-022-08354-6>



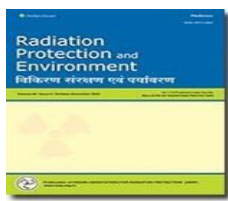
Sandeep Dongre, Sunil Kumar, S Suresh, J Sannappa Estimation of Inhalation and Ingestion dose due to radon concentration in drinking water samples of Shankaraghatta forest environment, Karnataka, India. " *Indian Journal of Science and Technology*(2023), Vol.16, Issue: 5, <https://doi.org/10.17485/IJST/v16i5.2321>



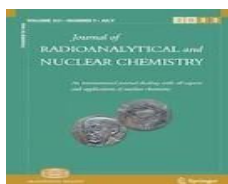
Sandeep Dongre, Madhura.R, Sunilkumar, Sannappa J. "The Study on Effect of Meteorological Parameter and Influence of Forest on Atmospheric Radon Concentration in the Shankaraghatta Forest Environment." *Indian Journal of Pure & Applied Physics (IJPAP)* 62.1 (2024): 58-64. DOI: [10.56042/ijpap.v62i1.2599](https://doi.org/10.56042/ijpap.v62i1.2599).



Suresh S, Rangaswamy D R, Srinivasa E, **Sandeep Dongre**, Sannappa J Jادیappa"Assessment of natural radioactivity levels and potential radiological risks of commonly used building materials in Uttara Kannada District, Karnataka, India." *Radiation Protection Dosimetry* 199.20 (2023): 2531-2536. <https://doi.org/10.1093/rpd/ncad212>



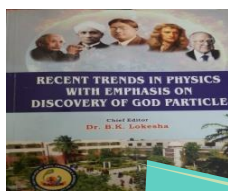
R Madhura, **Sandeep Dongre**, BP Sunil, J Gopal, J Sannappa"Measurement of natural ambient gamma radiation levels and estimation of population dose in tobacco-growing places of Karnataka state." *Radiation Protection and Environment* 46.4 (2023): 150-157. DOI: [10.4103/rpe.rpe_47_23](https://doi.org/10.4103/rpe.rpe_47_23)



Suresh, S., D. R. Rangaswamy, J. Sannappa, **Sandeep Dongre**, E. Srinivasa, and S. Rajesh. "Estimation of natural radioactivity and assessment of radiation hazard indices in soil samples of Uttara Kannada district, Karnataka, India." *Journal of Radioanalytical and Nuclear Chemistry* 331, no. 4 (2022): 1869-1879. <https://doi.org/10.1007/s10967-021-08145-5>



Nagabhushana S R, **Sandeep Dongre**, Sannappa J. "Estimation of ambient gamma radiation levels in working places in industrial areas of Tumkur city" *Journal of Kavikulguru Kalidas Sanskrit University, Ramtek*. Vol. IX- Issue II(July-2022):ISSN-2277-7067



Suresh S, Dr.Srinivasa E, **Sandeep Dongre**, Dr. Sannappa J. "Estimation of Inhalation and ingestion dose from radon concentration in drinking water from Yallapur and Sirsi taluks of Uttara Kannada district, Karnataka, India. " . Vol.1(2021): ISBN No:978-93-88956-41-3

Research Papers Presented in International / National Conferences, Seminars

- **Oral presentation** on ‘‘Effects of meteorological parameters on Radon exhalation rate from soil, building materials and its comparison with different techniques-A review’’ in Third National conference on Radiation Awareness and Detection in Natural Environment organized by Department of Physics, Govt.P.G College New Tehri, Tehri Garhwal and Department of Physics, H.N.B Garhwal University Campus Badshahi Thaul, Tehri Garhwal [Uttarakhand].
- **Poster presentation** on ‘‘Estimation of Inhalation and Ingestion dose from Radon concentration in drinking water from Yallapur and Sirsi Taluks of Uttara Kannada districts Karnataka, India’’. In Recent Trends in Physics with Emphasis on Discovery of God particle at International Level Seminar held at BGS Auditorium, SAC College, Nagamangala.
- **Oral presentation** on ‘‘Comparative study of Radon exhalation rate from various building materials by different experimental techniques’’ in the SSNTDs-21 held during 29-31 January 2021.
- **Poster presentation on** ‘‘Overview of Radon Exhalation Rate in Soil, its concentration in air, effects of various parameters and anomalies of different method’’ in SSNTDs-22, Department of Physics, NIT Kurukshetra.

Workshops and seminars attended:

- National Conference on Recent Advances in Physics for Interdisciplinary Development(RAPID-2K21)during 29-30th september,2021
- Advanced Radiation Detector and Instrumentations in Nuclear and Particle Physics RAPID2021 Workshop(Online) from 25-29 October 2021 organized by Department of Physics, University of Jammu.
- One-day National Seminar on Post Modern Physics-New Vistas, organized by Department of Post Graduate Studies and Research in Physics, Kuvempu University on March 28,2024