

**JSS College for Women (Autonomous)**  
**Saraswathipuram, Mysuru-09**  
**Individual Profile**

Sl.No	Particulars	Details						
Personal Information								
1	Name	Dr. K. M. NAGARAJU						
	Designation	Assistant Professor						
2	Department	PHYSICS						
3	Education Qualifications	M.Sc.,B.Ed, M.Phil., Ph.D						
		Course	Subject	University	Year	Grade	%	
		Ph.D. with Course work	Physics (Nuclear Physics) Title of the thesis: Studies on Uranium, Radium and Radon, in Natural Soil and Water of Chamaraja Nagar district, india”	University of Mysore, Mysuru, Karnataka	April 2016	Awarded	62.0	
						First Class in Course work exam		
M.Sc.	Physics (Specialization : Nuclear Physics)	University of Mysore, Mysuru Karnataka	April/ May 2002	First Class	64.6			
B.Ed.	Physics and Mathematics Methods	KSO University, Mysuru, Karnataka	Nov/ Dec 2005	First Class with Distinction	73.3			
		M.Phil	Physics	Vinayaka Missions University, Salem	2008-09	Second Class	58.0	
4	EmailAddress	drnagarajukm@gmail.com						
5	Total Experience	19 years						
Research and Development								
6	List of Publications	1. Studies on <sup>226</sup> Ra, <sup>222</sup> Rn and <sup>210</sup> Po in drinking water of Chamarajanagar District, Karnataka State, India B. S. K. Lavanya1, S. N. Namitha, K.M.Nagaraju, K.S. Pruthvi Rani, M.S. Chandrashekara. Journals in Proceedings of 23rd National Symposium on Radiation Physics (23rd NSRP), ISBN 978-81-952150-1-0.						

		<ol style="list-style-type: none"> <li>2. Studies on <sup>226</sup>Ra and <sup>222</sup>Rn concentration in drinking water of Chamarajanagar region, Karnataka State, India. <b>K. M.Nagaraju</b>, B. C. Shivakumara, 2023(In press).</li> <li>3. A Survey of Radium concentration in Bore well water Samples of Chamarajanagar District, Karnataka State, India. <b>K. M. Nagaraju</b>, M. S. Chandrashekara. 2023(In press).</li> <li>4. Studies on radium concentration in Natural water of Chamarajanagar District, Karnataka state, India. M. S. Chandrashekara, <b>K. M.Nagaraju</b>, K. S. Pruthvi Rani, P. Vipin Kumar. <u>International Journal of Emerging Technology and Advanced Engineering</u>. ISSN2250-2459. ISO 9001:2008 certified journal. 8(1), 299-302, 2018.</li> <li>5. Analysis of Uranium, Radium-226 and Radon-222 concentration in natural water and rocks of Mandya region, Karnatka, India.B. C. Shivakumara, <b>K. M. Nagaraju</b>. Published by Research, Publication Development Centre, Bharathi College, Bharathinagara-571422, India. <u>International Research Journal of Applied Sciences</u> (IRJAS), ISSN 2348-9022. 4(2), 30-35, 2017.</li> <li>6. Analysis of Radium concentrations in Ground water samples of Chamarajanagar region, South Karnatka, India. <b>K. M. Nagaraju</b>, M. S. Chandrashekara, B. C. Shivakumara. Published by Research, Publication Development Centre, Bharathi College, Bharathinagara-571422, India. <u>International Research Journal of Applied Sciences</u> (IRJAS), ISSN 2348-9022. 4(2), 14-20, 2017.</li> <li>7. Analysis of Radon concentrations in Borewell water samples Chamarajanagar region, Karnatka, India. <b>K. M. Nagaraju</b>, M. S. Chandrashekara, B. C. Shivakumara. Published by Research, Publication Development Centre, Bharathi College, Bharathinagara-571422, India. <u>International Research Journal of Applied Sciences</u> (IRJAS), ISSN 2348-9022. 4(2), 36-43, 2017.</li> <li>8. Studies on gross alpha activity in ground water samples of Mandya district, Karnataka state, India. M. S. Chandrashekara, K. S. Pruthvi Rani, P. Vipin Kumar, and <b>K. M.Nagaraju</b>. <u>Annals of Natural Sciences</u>, <u>UGC Approved International Journal</u>. E-ISSN2455-667X. 3(3), 76-80, 2017.</li> <li>9. Mapping of Radium concentration in natural water in and around Chamarajanagar District, Karnataka, South India. M. S. Chandrashekara, <b>K. M. Nagaraju</b>, K S Pruthvirani. A. Kempaiah, M. P. Pramanya and B. S. Prathibha.<u>Proceedings of National Conference on Radiation Physics (NCRP)</u>. Organized by Department of Physics, Bangalore University, Bengaluru in Collaboration with AMD Bengaluru. Environmental Radioactivity Measurements, 104-107, 2017.</li> <li>10. Studies on radon concentration in ground water</li> </ol>
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		<p>samples of Chamarajanagar district, Karnataka state, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvirani, L. Paramesh. Proceedings of National conference on Recent Trends in Physics, Mathematics and Engineering ISBN No.978-81-930115-1-5, 29-33, 2015.</p> <p>11. Estimation of radiation dose due to uranium in water to the public in Chamarajanagar district, Karnataka state, India. K. M. Nagaraju, M. S. Chandrashekara, L. Paramesh. American International Journal of Research in Science, Technology, Engineering &amp; Mathematics. Published by International Association of Scientific Innovation and Research, USA. AIJRSTEM 14-612, ISSN 2328-3491, 2328-3580. 7(2), 224-228, 2014.</p> <p>12. Natural radionuclide in soil samples and radiation dose to the population of Chamarajanagar district, Karnataka State, India. M. S. Chandrashekara, K. M. Nagaraju, L. Paramesh. International Journal of Advanced Scientific and Technical Research (IJAST). ISSN 2249-9954. 4(4), 466-474, 2014.</p> <p>13. Studies on radon radium and uranium concentrations in water samples of few locations of Chamarajanagar district, south Karnataka, India. K. M. Nagaraju, M. S. Chandrashekara, L. Paramesh. Proceedings of National Seminar on Material Science &amp; Engineering, ISBN: 978-81-929372-0-5, 36-39, 2014.</p> <p>14. Radioactivity measurements in the environment of Chamarajanagar area, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvi Rani, B. M. Rajesh, L. Paramesh. Radiation Protection and Environment (RPE). Medknow Publications, India. 36(1), 10-13, 2013.</p> <p>15. Assessment of radon exhalation rate in soil samples of few locations in Chamaraja Nagar district, Karnataka state, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvi Rani, L. Paramesh, Current Prospectives on Environmental Protection, BS Publications, India, ISBN-978-81-7800-287-3, 167-170, 2013.</p> <p>16. Measurement of gamma natural background radiation in Chamaraja Nagar district, Karnataka state, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvi Rani, L. Paramesh. Radiation Protection and Environment (RPE). Medknow Publications, India. 35(2), 73-76, 2012.</p> <p>17. Studies on Radon at Mysore City, India. M. S. Chandrashekara, B. M. Rajesh, K. M. Nagaraju and L. Paramesh. Proceedings of the International AARST Symposium, Orlando, Florida. 2, 62-70, 2011.</p>
6A	Oral/Poster Presentation made in Symposium/Conference	<p>1. Studies on <math>^{226}\text{Ra}</math>, <math>^{222}\text{Rn}</math> and <math>^{210}\text{Po}</math> in drinking water of Chamarajanagar District, Karnataka State, India B. S. K. Lavanya1, S. N. Namitha, K.M.Nagaraju, K.S. Pruthvi Rani, M.S. Chandrashekara, 23rd National Symposium on Radiation Physics(23rd NSRP) ISBN 978-81-952150-1-0. Held on January 19-21,</p>

		<p>2023.Organized by Department of Physics, at Vijnana Bhavan, Manasagangothri, University of Mysore, Mysore Karnataka.</p> <p>2. Mapping of Radium Concentration in Bore well water Samples of Chamarajanagar District, Karnataka State, India.Chandrashekara M.S., Nagaraju K.M., Pruthvi Rani K.S.,Kempaiah A., Pramanya M.P., and Prathibha B.S. Two days, <u>National Conference on “Radiation Physics”</u> held on 23<sup>rd</sup> -24<sup>th</sup> November 2017, Organized by Department of Physics, Bangalore University in collaboration with AMD, Bengaluru, Karnataka.</p> <p>3. Analysis of radium in ground water samples of Chamarajanagara district, Karnataka state, India. K. M. Nagaraju, Shivakumara B.C. <u>Proceedings of one day National seminar on recent trends in Physics</u>. Sponsored by Karnataka science and technology promotion society (KSTePS). Organized by PG Department of Physics, Bharathi College (Raccredited by NAAC with A grade (CGPA 3.38), Bharathinagara, Maddur taluk, Mandya district, Karnataka, India. Held on 26<sup>th</sup> September 2017.</p> <p>4. Analysis of radon in ground water samples of Chamarajanagara district, Karnataka state, India. K. M. Nagaraju, Shivakumara B.C. <u>Proceedings of one day National seminar on recent trends in Physics</u>. Sponsored by Karnataka science and technology promotion society(KSTePS). Organized by PG Department of Physics, Bharathi College (Raccredited by NAAC with A grade(CGPA 3.38), Bharathinagara, Maddur taluk, Mandya district, Karnataka, India. Held on 26<sup>th</sup> September 2017.</p> <p>5. Studies on radon concentration in ground water samples of Chamarajanagar district, Karnataka state, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvirani, L. Paramesh. ISBN No.978-81-930115-1-5. <u>National Conference on Recent Trends in Physics, Mathematics and Engineering (RTPME-2015)”</u>, held at Saradavilas College (Affiliated to University of Mysore Reaccredited by NAAC with „Bgrade) K.M.Puram, Mysuru, Karnataka, India on 20-21st February 2015.</p>
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		<p>6. Studies on radium and radon concentrations in drinking water samples of Chamarajanagar district, India. M. S. Chandrashekara, K. M. Nagaraju, K. S. Pruthvirani, L. Paramesh. 9th <u>International Symposium on the Natural Radiation Environment</u> (NRE-IX). Organized by Hirosaki University, held at <u>Hirosaki, Japan</u> on 22-26 September 2014.</p> <p>7. Studies on Radium concentration and radon exhalation rate from soil and rock samples in Chamarajanagar district, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvirani, L. Paramesh. 9th <u>International Symposium on the Natural Radiation Environment</u> (NRE-IX). Organized by Hirosaki University, held at <u>Hirosaki, Japan</u> on 22-26 September 2014.</p> <p>8. Studies on radon radium and uranium concentrations in water samples of few locations of Chamarajanagar district, south Karnataka, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvirani, L. Paramesh. <u>Proceedings of National Seminar on Material Science &amp; Engineering</u> (NSME-2014), on 21-22 March 2014, held at JSS College of Arts, Commerce and Science Ooty Road, Mysuru, Karnataka.</p> <p>9. Assessment of radon exhalation rate in soil samples of few locations in Chamarajanagar district, Karnataka state, India. K. M. Nagaraju, B. M. Rajesh, M. S. Chandrashekara, L. Paramesh. 18th <u>National Symposium on Environment</u> (NSE-18), on Current Perspectives on Environmental Protection, Jointly organized by the Department of Chemical Engineering JNTUACE, Anantapur and Health, <u>Safety and Environment Group, BARC Mumbai</u>, on 11-12th March 2013, held at Anantapur, Andhrapradesh.</p> <p>10. Natural radioactivity levels in Soil and Rock Samples of some areas around Chamaraja Nagar, Karnataka, India. K. M. Nagaraju, K. S. Pruthvirani, M. S. Chandrashekara, L. Paramesh. 19th <u>National Symposium on Radiation Physics</u>. Organized by Indian Society for Radiation Physics (ISRP), Chennai held on 12-14, December 2012, at Mammalapuram, Chennai.</p>
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		<p>11. Study of Radon exhalation rate in soil and rock samples and Gamma Exposure Rate in Chamaraja Nagar district, India. K. M. Nagaraju, B. M. Rajesh, M. S. Chandrashekara, L. Paramesh. 13th International Congress of the International Radiation Protection Association, on 13-18 May 2012 held at <u>Glasgow, United Kingdom</u>.</p> <p>12. Studies on Natural Background Radiation in Chamaraja Nagara Area, India. K.M.Nagaraju, K.S.Pruthvi Rani, M. S. Chandrashekara, L. Paramesh, International Conference on Radiation Environment-Assesment, Measurement and its Impact (RADENVIRON-2012). Organized by Babasaheb Bhimrao Ambedkar University, <u>Lucknow</u>(A Central University), held on 12-14 April 2012.</p> <p>13. Radon exhalation rate of soil in Chamaraja Nagar India. K.M.Nagaraju, K.S.Pruthvi Rani, M. S. Chandrashekara, L. Paramesh. International Conference on Radiation Environment-Assesment, Measurement and its Impact (RADENVIRON-2012). Organized by Babasaheb Bhimrao Ambedkar University, Lucknow (A Central University) held on 12-14 April 2012.</p> <p>14. Measurement of Gamma Natural Background Radiation at Chamaraja Nagar, Karnataka State, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvi Rani, L. Paramesh. National conference on Radiological protection and safety in Nuclear Reactors and Radiation Installations, on 15-17, March 2012, held at Mangalore University, Mangalore, Karnataka.</p> <p>15. Radioactivity measurements in the environment of Chamarajanagar area, India. K. M. Nagaraju, M. S. Chandrashekara, K. S. Pruthvi Rani, L. Paramesh. National conference on Radiological protection and safety in Nuclear Reactors and Radiation Installations, on 15-17, March 2012, held at Mangalore University, Mangalore, Karnataka.</p> <p>16. Radon exhalation rate from soil samples of Chamaraja Nagar district, using solid state</p>
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		<p>nuclear track detectors. K. M. Nagaraju, B. M. Rajesh, M. S. Chandrashekara, L. Paramesh. National Conference on Trust Areas in Engineering, on January 20-21, 2012, held at Global Academy of Technology, Bangalore, Karnataka.</p> <p>17. Study of Gamma Exposure Rate in Chamaraja Nagar District, India. K. M. Nagaraju, B.M.Rajesh, M. S. Chandrashekara, L. Paramesh. 17th National Symposium on Solid State Nuclear Track Detectors and Their Applications(SSNTD-17)” Organized by Department of Physics, on 17-19, October 2011, held at M.S.University of Baroda, Vadodara, Gujarath India.</p> <p>18. Radon Exhalation rate from soil and rock samples of Chamaraja Nagar District, India. K. M. Nagaraju, B. M. Rajesh, M. S. Chandrashekara, L. Paramesh. 17th National Symposium on Solid State Nuclear Track Detectors and Their Applications(SSNTD-17)” Organized by Department of Physics, on 17-19, October 2011, held at M.S.University of Baroda, Vadodara, Gujarath India.</p> <p>19. Study of Gamma Exposure Rate in Chamaraja Nagar District, India. K. M. Nagaraju, B.M.Rajesh, M. S. Chandrashekara, L Paramesh. National Symposium on Radiation Physics and Nanomaterials (NSRPN-11) on 4-5, February 2011, held at Punjab University, Patiala, Punjab India.</p>
7	Details of Conferences/ FDP /Workshop Attended	<ol style="list-style-type: none"> <li>1. One day Work Shop on “Capacity Building for Teachers” held on 19<sup>th</sup> July 2025. Organized by the IQAC(Internal Quality Assurance Cell), JSS College for Women (Autonomous), Saraswathi puram Mysuru.</li> <li>2. One day Symposium on “World Cancer Day” held on 4<sup>th</sup> February 2023. Organized by DOS in Genetics and Genomics, University of Mysore, Manasagangothri, Mysuru.</li> <li>3. Three days National symposium on radiation physics (NSRP-23). Organized by Department of Physics, held at Vijnana Bhavan, Manasagangothri, University of Mysore,Mysore Karnataka held on January 19<sup>th</sup> - 21<sup>st</sup>, 2023</li> <li>4. One Day National Seminar(Blended Mode) on Applied Condensed Matter Physics”. Organized by PG department of Physics, JSS College of Arts Commerce and Science (Autonomous), held on</li> </ol>

		<p>December 17, 2020.</p> <ol style="list-style-type: none"> <li>5. "Recent Trends in Science" a three days Webinar on online Webinar Platform. Organized by St.Joseph's Firstgrade College, Jayalakshmi puram, Mysore. held from June 20th to 23rd June, 2020</li> <li>6. One day National seminar on recent trends in Physics. Organized by PG Department of Physics. Bharathi College (Reaccredited by NAAC with A grade(CGPA 3.38), Bharathinagara, Maddur taluk, Mandya district, Karnataka, India. Held on 26<sup>th</sup> September 2017.</li> <li>7. One day workshop on "Nuclear Energy and the Environment" Organized by Department of Engineering Physics, HKBK College of Engineering, in association with Karnataka Science and Technology Academy, Government of Karnataka. Held on 21<sup>st</sup> September 2015 at HKBK College of Engineering Bengaluru, Karnataka, India.</li> <li>8. Attended the "Five days Training programme for Physics Lecturers, organized by Department of Pre-University Education, Karnataka held on 26-30<sup>th</sup> September 2014 at JSS Sriketra, Suttur, Mysuru district, Karnataka state India.</li> <li>9. UGC sponsored Two days National Seminar on "Material Science &amp; Engineering (NSME-2014)", held on 21-22nd March 2014, held at JSS College of Arts, Commerce and Science Ooty Road, Mysuru, Karnataka.</li> <li>10. Technical Seminar on "Radioactivity-Natural and Manmade" organized by Indian Nuclear Society, Mysuru and Vidya Vikas Institute of Engineering &amp; Technology at VVET Campus, Mysuru, Karnataka held on 15th March 2014.</li> <li>11. One-day Workshop on "Computational Materials Science" Organized by DOS in Physics University of Mysore, Manasagangotri Mysuru -570 006, Karnataka held on 24th January 2014.</li> <li>12. Two days workshop on "Science Refresher Course for High school teachers". Organized by Committee for the Development of Science in Schools, University of Mysore, Mysuru on 27-28<sup>th</sup> March 2013.</li> <li>13. Workshop on "Current Perspectives on Environmental Protection", Jointly organized by the Department of Chemical Engineering JNTUACE, Anantapur and Health, Safety and Environment Group, BARC Mumbai, held at Anantapur, Andhrapradesh on 11-12th March 2013.</li> <li>14. Three days Workshop on "Theoretical Physics Lectures", jointly organized by Indian Academy of Sciences (Bangalore), Indian National Science Academy (New Delhi) and The National Academy of Sciences, India (Allahabad) in collaboration with DOS in Physics, University of Mysore, at DOS in Physics, Manasagangotri Mysuru, Karnataka. Held during 8th -10th November 2012.</li> <li>15. One-day Technical Seminar on "Nuclear Energy-Environment and Safety" (NEEDS-2012), Jointly</li> </ol>
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		<p>organized by Indian Nuclear Society and DOS in Physics, University of Mysore, at DOS in Physics, Manasagangothri, Mysuru, Karnataka. Held on 3rd March 2012.</p> <p>16. UGC sponsored one day State level Seminar on “Bigbang and Particle Physics-Cosmic connection”. Jointly organized by University Grant Commission and JSS College for Women (Accredited by NAAC with B grade) Chamarajanagar, Karnataka State, India. Held on 31<sup>st</sup> March 2010.</p> <p>17. One day work shop on “The Revised Syllabus (2008) of Under-Graduate Course in Physics”. Organized by Sharadavilas College (Affiliated to University of Mysore), Mysore, Karnataka state, India. Held on 29<sup>th</sup> January 2009.</p>
8	Details of Training Programs attended	<p>1. One day Work Shop on “Capacity Building for Teachers” held on 19<sup>th</sup> July 2025. Organized by the IQAC (Internal Quality Assurance Cell), JSS College for Women (Autonomous), Saraswathi puram Mysuru.</p> <p>2. Attended the “Five days Training programme for Physics Lecturers, organized by Department of Pre-University Education, Karnataka held on 26-30<sup>th</sup> September 2014 at JSS Srikshetra, Suttur, Mysuru district, Karnataka state India.</p> <p>3. One day work shop on “The Revised Syllabus (2008) of Under-Graduate Course in Physics”. Organized by Sharadavilas College (Affiliated to University of Mysore), Mysore, Karnataka state, India. Held on 29<sup>th</sup> January 2009.</p> <p>4.</p>
9	Research and Development projects submitted	-----
10	Research and Development projects Awarded	-----
11	Research Interests	Area of interest: Nuclear Physics
12	Other Achievements (If Any)	