

**A Bio-data of**  
**Dr. Chandrashekar M S**

**Address for communication:**

Dr. M S Chandrashekar  
Professor of Physics  
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**Date of Birth** : 8<sup>th</sup>, July 1977  
**Education** : M.Sc., R.B.P., Ph.D.  
**Present Position** : **Professor and Chairman**  
Department of Studies in Physics  
University of Mysore, Mysuru

**Member & Convener**, Centre for Science Education in Schools (CSES), formerly, Committee for the Development of Science in Schools (CDSS), University of Mysore.

**Area of Specialization:** **Nuclear Physics and Atmospheric Physics**

**Research Area of Interest:** **Atmospheric Electrical Conductivity, Environmental Radioactivity, Climatology and Aerosol Studies**

**Teaching Experience:** **16 years (PG) at the DoS in Physics, MGM.**

**Number of Publications:** **76**

Papers presented at Symposia/Seminars/Conferences: **97**

**Ph.D students awarded and currently working:**

	Name of the PhD student	Category	Status	Date
1.	Rajesh B.M	IIA	Awarded	17-12-2014
2.	Nagaraj K.M	IIA	Awarded	26-10-2015
3.	Prathiba	I	Awarded	14-11-2016
4.	Mohamed Hidayath	IIB	Registered	03-05-2016
5.	Vipin Kumar P.	GM	Enrolled	26-11-2019
6.	Lohitha P.	SC	Enrolled	26-11-2019
7.	Namitha S.N.	III B	Enrolled	17-3-2020
8.	Lavanya B.S.K	GM	Enrolled	18-3-2020
9.	Tasneem	FN	Enrolled	22-7-2021

**Educational Qualifications:**

<b>Degree</b>	<b>Name of the University/Institute</b>	<b>Subject/thesis title</b>	<b>Class</b>	<b>Year of passing</b>
PhD.	University of Mysore, Mysuru, India.	Study of conductivity of air in the lower layers of the atmosphere as related to Radon concentration around Mysore		29-8-2006
NET	Council for Scientific and Industrial Research (CSIR), India and University Grants Commission (UGC) of India	Eligibility for Lectureship and Awarded UGC Fellowship		2000
MSc	University of Mysore, Mysuru, India.	Physics (Special Subject: Nuclear Physics)	First	2000
BSc	University of Mysore, Mysuru, India.	Physics, Chemistry and mathematics	First	1998

**Details regarding research/teaching experience at the Department of Studies in Physics, University of Mysore, Manasagangotri, Mysuru, India.**

<b>Sl. No</b>	<b>Designation</b>	<b>Place</b>	<b>Period of Service</b>	
			<b>From</b>	<b>To</b>
1	JRF (University of Mysore)	University of Mysore, Mysuru	December 2000	October 20001
2	JRF (University Grants Commission, India)	University of Mysore, Mysuru	October 20001	Feb 2003
3	Assistant Professor	University of Mysore, Mysuru	Feb 2003	Feb2015
6	Associate Professor	University of Mysore, Mysuru	Feb 2015	Feb 2018
7	Professor	University of Mysore	Feb 2018	To date

### Details of Projects:

Sl. No.	Title of the project	Funding Agency	Amount Rs.	Date of sanction
1	Strengthening Space Science Activities in Mysore University	Indian Space Research Organization (ISRO)	22,00,000	19-09-2008 (Completed)
2	Mapping of Uranium, Radium, Radon and conventional pollutants like Nitrate, Nitrite, Sulphate, Sulphite, Fluoride, Chloride in natural water of Mysore district.	Board of Research in Nuclear Sciences (BRNS), Mumbai	46,00,000	23-03-2009 November 2012 (Completed)
3	Study of Radium and Radon concentrations in natural water of Mysore district.	University of Mysore	1,00,000	23-09-2009 (Completed)
4	Studies on Radon Exhalation Rate from Construction Materials of Chamaraja Nagar District, Karnataka State, India.	University of Mysore	75,000	12-02-2018 (Completed)
5	"Studies on atmospheric electrical parameters related to climate change at Mysuru"	Science and Engineering Research Board (SERB), DST	49,36,000	17-03-2018 (Ongoing)

### Participation in Refresher Courses / Orientation Programme / Other Trainings.

Sl. No.	Institution	Programme	Nature of Participation*	Year
1	St.Philomena's College, Mysore	Refresher course on Quantum Mechanics 17-12-2017 to 31-12-2017	Participated	2017
2	Vidya Vikas Institute of Engineering and Technology, Mysore and Indian Academy of Sciences, Bangalore.	Refresher course on experimental physics science. 11-11-2014 to 26-11-2014.	Participated as resource person for the entire period.	2014
3	Indian Academy of Sciences, Bangalore.	Refresher course on experimental physics science. 07-11-2013 to 23-11-2013	Participated	2013
4	Pondicherry University, Puducherry, India and Indian Academy of Sciences, Bangalore	Refresher Course in Experimental Physics 07-07-2008 to 21-07-2008	Participated as resource person for the entire period.	2008
5	Academic Staff College, University of Mysore	Refresher course on Material Science (Physics) 28-02-2006 to 20-03-2006	Participated	2006
6	Academic Staff College, University of Mysore	Orientation Program 01-08-2003 to 28-08-2003	Participated	2003
7	Academic Staff College, University of Mysore	Refresher Course on Physics	Delivered Lectures	2005

### **Affiliations with Professional Bodies and Societies**

1. Indian Society for Radiation Physics (ISRP), BARC, Mumbai, Executive Committee Member (2007-2012) and life Member.
2. Nuclear Track society of India (NTSI), BARC, Mumbai, Life Member.
3. Indian Aerosol Science and Technology Association (IASTA), BARC, Mumbai Life Member.
4. International Nuclear Track Society (INTS) Member.
5. Karnataka Rajya Vignana Parishath, Donor Memembr
6. BOS (P.G. Physics), Karnataka State Open University, Mysuru, Member. (2013-19)
7. BOE (P.G. Physics), Mangalore University, Konaje. (2016-17)
8. BOE (P.G. Physics), Davanagere University, Konaje. (2016-17)
9. BOS (P.G. Material Science), Tumakur University, Tumakur. (2015-18)
10. BOS Member, Physics (PG), Yuvaraja's College (Autonomous), Mysuru. (2015-18)
11. BOE Member, Physics (PG), Yuvaraja's College (Autonomous), Mysuru. (2015-18)
12. BOS Member, Physics (PG), Govt. College (Autonomous), Mandya. (2015-18)
13. BOE Member, Physics (PG), Govt. College (Autonomous), Mandya. (2015-18)
14. BOE Chairman, UoM 2016-17
15. BOE Chairman, UoM 2020-21

### **Honors and awards received :**

1. Best Poster Presentation at 15<sup>th</sup> National Symposium on SSNTDs, Gharwal University, Uttaranchal, June 21-23, 2007.
2. Selected as Executive committee member of Indian Society for Radiation Physics (2003-2007)
3. Best poster presentation award at 2<sup>nd</sup> International Conference on Po and Radioactive Pb Isotopes held at Mangalore University, February 10-13, 2013.
4. Chaired a session at the 9th International Symposium on the Natural Radiation Environment. Hirosaki University, Aomori, Japan 23-26, September 2014.
5. Award of merit for a paper presented National Conference on Recent Trends in Physics, Mathematics and Engineering. Sharada Vilas College, Mysuru, 20-21, Feb 2015.

### **Other Science Activities as a Convener of CDSS, UoM:**

- Written about 60 science articles in Andolana local news paper on science topics.
- Given Few Radio Talks at AIR, Mysuru on different science topics.
- Organized Science Interaction programs for telecasting in DD Chandana.
- Established Mobile Science Laboratory with the finds from KSTEPS.
- Conducted Science Interaction Programs to High School Students (on first Saturday of every month for about 15 years), Residential Science Programs for High School Students, Science workshops to High School Students, Orientation and Refresher Programs to High School Teacher, Mobile Science Laboratory Programs at 4 districts, DST-Inspire Internship Programs to PUC students.

## List of Publications of Dr. Chandrashekara M.S

### 2001

1. Studies on indoor radon/thoron and their progeny levels at Mysore city, Karnataka State: Sathish L.A., Sannappa J., Paramesh L., **Chandrashekara M.S.** and Venkataramaiah P., *Ind. J. Pure Appl. Phys.*, **39** (2001) 738.
2. Study of radon in water and indoor air, Sannappa J, L A Sathish, **M S Chandrashekara**, K Nagaraja K, L Paramesh and P Venkataramaiah, In, Solid State Nuclear Track Detectors. DAV College, Jalandhar (2001).

### 2002

3. Variation of atmospheric radioactivity and electrical conductivity near the earth's surface: Nagaraja K., Prasad B.S.N., Madhava M.S., **Chandrashekara M.S.** and Paramesh L., *Ind. Aer. Sci. Tech. Assn. Bull.*, **14** (2002) 217.
4. Diurnal and seasonal variations of indoor radon/thoron progeny concentrations at Mysore city: **Chandrashekara M.S.**, Sannappa J., Nagaraja K., Sathish L.A., Paramesh L. and Prasad B.S.N., *Ind. Aer. Sci. Tech. Assn. Bull.*, **14** (2002) 220.

### 2003

5. Radon and its short-lived progeny: Variations near the ground: Nagaraja K., Prasad B.S.N., Madhava M.S., **Chandrashekara M.S.**, Paramesh L., Sannappa J., Pawar S.D., Murugavel P. and Kamra A.K., *Radiation Measurements*, **36** (2003) 413.
6. Study of background radiation dose in Mysore city, Karnataka State, India: Sannappa J., **Chandrashekara M.S.**, Sathish L.A., Paramesh L. and Venkataramaiah P., *Radiation Measurements*, **37** (2003) 55.

### 2004

7. Variation of indoor radon and thoron progeny levels in different types of dwellings in Mysore city: Sannappa J., **Chandrashekara M.S.** and Paramesh L., *Ind. Aer. Sci. Tech. Assn. Bull.*, **14** (2004) 327.
8. Studies on atmospheric electrical conductivity related to radon and its progeny concentrations in the lower atmosphere at Mysore: **Chandrashekara M.S.**, Sannappa J. and Paramesh L., *Ind. Aer. Sci. Tech. Assn. Bull.*, **14** (2004) 308.

### 2005

9. Studies on variations of radon, its progeny concentrations and atmospheric electrical conductivity at Mysore: **Chandrashekara M.S.**, Sannappa J. and Paramesh L., *Ind. Aer. Sci. Tech. Assn. Bull.*, **17** (2005) 731.
10. Diurnal and seasonal variations of radioactivity and electrical conductivity near the surface for a continental location Mysore, India: Prasad B.S.N., Nagaraja K., **Chandrashekara M.S.**, Paramesh L. and Madhava M.S., *Atmos. Res.*, **76** (2005) 65.
11. Electrical conductivity of air related to ion pair production rate from radon and its progeny concentrations in dwellings of Mysore city: **Chandrashekara M.S.**, Sannappa J. and Paramesh L., *Ind. J. Pure Appl. Phys.*, **43** (2005) 679.

## 2006

12. Spatial distribution of radon and thoron concentrations indoors and their concentrations in different rooms of buildings: Sannappa J., **Chandrashekara M.S.**, Paramesh L., *Indoor and Built Environment*, **15** (2006) 283.
13. Low Level Radon - Outdoor Air: Nagaraja K., Prasad B.S.N., **Chandrashekara M.S.**, Paramesh L. and Madhava M.S., *Env. Geochem.*, **9** (2006) 41.
14. Studies on the concentrations of radon/thoron and their progeny in houses of different types of floorings in Mysore city: Sathish L.A., Sannappa J., Paramesh L., **Chandrashekara M.S.**, and Venkataramaiah P., *Env. Geochem.*, **9** (2006) 105.
15. Studies on radon in soil and its concentration in the atmosphere at Mysore: **Chandrashekara M.S.**, Sannappa J., Paramesh L. and Venkataramaiah P., *Env. Geochem.*, **9** (2006) 115.
16. Inhalation dose due to radon and its progeny at Pune: Nagaraja K., Prasad B.S.N., **Chandrashekara M.S.**, Paramesh L. and Madhava M.S., *Ind. J. Pure Appl. Phys.*, **44** (2006) 353.
17. Studies on atmospheric electrical conductivity related to radon and its progeny concentrations in the lower atmosphere at Mysore: **Chandrashekara M.S.**, Sannappa J. and Paramesh L., *Atmos. Env.*, **40** (2006) 84.

## 2007

18. Studies on radon and its progeny in and around Bangalore City, C. Ningappa, J. Sannappa, M.S Manjunatha, **M.S. Chandrashekara** and L. Paramesh. *Ind. Aer. Sci. Tech. Assn. Bull.*, Vol 18 No. 1&2 (2007) 153.
19. Studies on atmospheric electrical conductivity related radon and its progeny concentrations at two different places in Mysore (12° N, 76° E), India. N. Ragini, T.S. Shashikumar, **M.S. Chandrashekara** and L. Paramesh. *Ind. Aer. Sci. Tech. Assn. Bull.*, Vol. 18, No.1&2 (2007) 234.

## 2008

20. Concentrations of radon and its daughter products in and around Bangalore city. C. Ningappa, J. Sannappa, **M.S. Chandrashekara** and L. Paramesh, *Radiation Protection Dosimetry*, **UK**. Vol. 130, (2008) 459-465.
21. Temporal and vertical variations of atmospheric electrical conductivity related to radon and its progeny concentrations at Mysore, Ragini N, T S Shashikumar, **M S Chandrashekara**, J Sannappa and L Paramesh, *Indian Journal of Radio and Space Phys.*, Vol. 37, (2008) 264-271.
22. Study of gamma exposure rate in Mysore and Chamaraj Nagar district, Karnataka, India, K.L. Sriharsha, M. Raghavayya, N.R. Rajendra Prasad, M.S. Chandrashekara, *Iran. J. Radiat. Res.*, Vol. 6 No. 2., (2008) 59-63
23. Atmospheric electrical conductivity near the ground surface related to radioactivity and air pollution at three different locations in Mysore. Ragini N, **M S Chandrashekara**, L Paramesh, T S Shashikumar and J Sannappa *Environmental Science: An Indian Journal* Vol. 3, No.1 (2008).

24. Studies on radon in soil, its concentration in the atmosphere and gamma exposure rate around Mysore city, India. Shashikumar T S, N Ragini, **M S Chandrashekara** and L Paramesh, *Current Science, India*. Vol. 94 No.9 (2008), 1180-1185.
25. Studies on indoor radon and its progeny levels around Bangalore Rural District and Bangalore City. C. Ningappa, J. Sannappa, **M.S. Chandrashekara** and L. Paramesh *Environmental Science: An Indian Journal* Vol. 3, No.1 (2008).
26. Studies On Thoron And Its Progenies Levels Around Bangalore Rural District. C. Ningappa, J. Sannappa, **M.S. Chandrashekara** and L. Paramesh *Environmental Science: An Indian Journal* Vol. 3, No.1 (2008).

## 2009

27. Study of Atmospheric Electrical Conductivity, SO<sub>2</sub>, NO<sub>2</sub>, Aerosols SPM (>10μ) & RSPM (<10μ) in Mysore city, India, Ragini N, **M S Chandrashekara** and L Paramesh, *Toxicological & Environmental Chemistry (USA)*, Vol. 91, No. 4, 605–609 (2009).
28. Radon in soil and its concentration in the atmosphere around Mysore. Shashikumar T S, N Ragini, **M S Chandrashekara** and L Paramesh *Indian J. Phys. Springer Publications* Vol. **83** No. **8**, (2009), 1163-1169.
29. Studies on radon/thoron and their decay products in granite quarries around Bangalore city. C. Ningappa, J. Sannappa, **M S Chandrashekara** and L. Paramesh *Indian J. Phys. Vol. Springer Publications* **83** No. **8**, (2009), 1201-1207.
30. Variations of radon and thoron concentrations in different types of dwellings in Mysore city, India, T S Shashikumar, **M S Chandrashekara**, N Nagaiah and L Paramesh, *Radiation Protection Dosimetry, (UK)* Vol. 133, No. 1., (2009) 44-49.
31. Studies on <sup>226</sup>Ra, <sup>232</sup>Th and <sup>40</sup>K radionuclides in Soil and Rock samples around Mysore city. T.S. Shashikumar, M.S. Chandrashekara, L. Paramesh, In. Recent Trends in Radiation Physics Research, *Proceedings of 18<sup>th</sup> NSRP, Humanshu Publications*, New Delhi. 2009.

## 2010

32. Variations of ion pair production rate and inhalation dose due to radon and its progeny at different locations in Mysore city India, M S Chandrashekara, B M Rajesh, T S Shashikumar and L Paramesh, *Ind. Aer. Sci. Tech. Assn. Bull.*, Vol 19 (2010) 283-288.
33. Studies on variations of trace gases and particulate matters in Mysore City, India. T S Shashikumar, M S Chandrashekara, N Ragini, B M Rajesh and L Paramesh, *Ind. Aer. Sci. Tech. Assn. Bull.*, Vol 19 (2010) 579-581.
34. Influence of Charged Dust/Aerosol on the Electrical Conductivity and MST Radar Echoes in the Low Latitude Mesosphere. N.Srinivas, **M.S. Chandrashekara**, H.N. Ranganatha Rao and S.B. Appajigowda, *Ind. Aer. Sci. Tech. Assn. Bull.*, Vol 19 (2010) 112-115.

## 2011

35. Studies on Radon in soil gas and natural Radionuclides in soil, rock and ground water samples around Mysore city. Shashikumar T.S., **Chandrashekara M.S.** and Paramesh L. *International Journal of Environmental Sciences*, 1(5) (2011) 786–797.

## 2012

36. Studies on radiation dose due to radioactive elements present in ground water and soil samples around Mysore City, India **Chandrashekara M.S.**, Veda S.M. and Paramesh L. *Radiation Protection Dosimetry*, 149(3), (2012) 315–320.
37. Studies on Radon concentration in aqueous samples at Mysore City, India. B.M. Rajesh, **M.S. Chandrashekara**, L. Paramesh and P. Nagaraja *Radiation Protection and Environment*, 35(1), pp 9-13, 2012
38. Measurement of gamma natural background radiation in Chamaraja Nagar district, Karnataka state, India. KM Nagaraju, **MS Chandrashekara**, KS Pruthvi Rani, L Paramesh, *Radiation Protection and Environment*, 35(2), pp 73-76, 2012.
39. Study on natural radioactive elements in soil and rock samples around Mandya district, India. BC Shivakumara, L Paramesh, TS Shashikumar, **MS Chandrashekara**, *Radiation Protection and Environment*, 35(1):29-33, 2012.

## 2013

40. Radioactivity measurements in the environment of Chamaraja Nagar area, India. Nagaraju KM, **Chandrashekara MS**, Pruthvi Rani KS, Rajesh BM, Paramesh L. *Radiat Prot Environ*. 36:(2013)10-13.
41. Assessment of Ra-226 and Rn-222 concentration in ground and surface water in Mysore Taluk, Karnataka, India. B.M. Rajesh, **M.S. Chandrashekara**, L. Paramesh, A. Chandrashekara and P. Nagaraja, *Current Prospectives on Environmental Protection*, BS Publications, India, ISBN: 978-81-7800-287-3, (2013) 106-110.
42. Studies on variations of  $^{222}\text{Rn}/^{220}\text{Rn}$  and their decay products in few villages around Mysore city, India. T. S. Shashikumar, B. C. Shivakumar, K. S. Pruthvi Rani, **M. S. Chandrashekara** and L. Paramesh, *Current Prospectives on Environmental Protection*, BS Publications, India, ISBN-978-81-7800-287-3, (2013) 163-176.
43. 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, and L. Paramesh, *Current Prospectives on Environmental Protection*, BS Publications, India, ISBN-978-81-7800-287-3, (2013) 167 -170.
44. Effect of flux on thermoluminescence studies of SrSiO: Eu nanophosphor, BS Prathibha, **MS Chandrashekara**, H Nagabhushana, BM Nagabhushana, AIP Conference Proceedings 135(2013) 1536.

## 2014

45. Diurnal variations of  $^{218}\text{Po}$ ,  $^{214}\text{Pb}$ , and  $^{214}\text{Po}$  and their effect on atmospheric electrical conductivity in the lower atmosphere at Mysore. Pruthvi Rani K.S, Paramesh L and **Chandrashekara M. S.** *Journal of Environmental Radioactivity*. No. 138 (2014), 438-443. (Elsevier Publications, USA)
46. Studies on  $^{226}\text{Ra}$  and  $^{222}\text{Rn}$  concentration in drinking water of Mandya region, Karnataka State, India. B.C. Shivakumara, **M S Chandrashekara**, E Kavitha, L Paramesh, *Journal of radiation research and applied sciences*. Elsevier. No 7, (2014) 491-498.
47. Thermo luminescence studies on Sr<sub>2</sub>SiO<sub>4</sub> Nano Powder. Prathibha, B. S. and **Chandrashekara, M. S.** and Nagabhushana, H. and Ramesh, K. P. and Nagabhushana, B. M. *Procedia Materials Science*, 5. pp. 944-952. (2014)(Elsevier Publications USA).



48. Distribution of  $^{226}\text{Ra}$  and  $^{222}\text{Rn}$  in bore well and lake water of Mysore Taluk, Karnataka State, India, B.M. Rajesh, **M.S. Chandrashekara**, P. Nagaraja, A. Chandrashekara and L. Paramesh, International Journal of Environmental Sciences, Vol. 4, No. 4, (2014) 558-566.
49. Estimation of radiation dose due to uranium in water to the public in Chamarajanagar district, Karnataka State, India. K.M. Nagaraju, **M.S. Chandrashekara**, K. S. Pruthvi Rani and L. Paramesh. American International Journal of Research in Science, Technology, Engineering & Mathematics. ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629 7(3), June- August, 2014, pp. 224-228
50. Studies on spatial variations of radon and its progeny inside a dwelling, Mysore city, India. K. S. Pruthvi Rani, **M. S. Chandrashekara** and L. Paramesh. American International Journal of Research in Science, Technology, Engineering & Mathematics. ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629 7(3), June- August, 2014, pp. 234-237
51. Vertical profile of radon and its progeny concentrations and its effect on atmospheric electrical conductivity near the surface of the earth. K. S. Pruthvi Rani, **M. S. Chandrashekara** and L. Paramesh. International Journal of Advanced Scientific and Technical Research ISSN 2249-9954. 4 (4), 2014. pp 119-129.
52. Analysis of  $^{226}\text{Ra}$ ,  $^{232}\text{Th}$  and  $^{40}\text{K}$  in the host rock and the soil samples and assessment of radiological risks for Mandya region, India. B C Shivakumara, **M S Chandrashekara**, L Paramesh, T S Shashikumar and N Karunakara. Int J of Integrative sciences, Innovation and Technology. eISSN 2278-1145, Apr 2014. Vol 3, Iss 2, pp 18-24.
53. Study of radon concentration in ground water and its potential health hazards in granite regions of Ramanagara District of Karnataka State. ISST Journal of Applied Physics. ISSN 0976-903x. Vol.5 No, 2 (July – Dec 2014) pp 114-118.
54. Radioactivity concentration of  $^{226}\text{Ra}$ ,  $^{232}\text{Th}$  and  $^{40}\text{K}$  in soil, rock and water samples around Mysore city and its biological effects. T. S. Shashikumar, **M. S. Chandrashekara** and L. Paramesh, International Research Journal of Applied Sciences. 1, 22-25 (2014).
55. Natural Radionuclide in soil samples and radiation dose to the population of Chamarajanagar district, Karnataka State, India. **M.S.Chandrashekara**, K.M. Nagaraju, K. S. Pruthvi Rani, L.Paramesh. International Journal of Advanced Scientific and Technical Research Issue 4 volume 4, July-August 2014. pp466-474. ISSN 2249-9954.
56. Spatial distribution of radon and its short-lived decay products inside a dwelling. K S Pruthvi Rani, **M S Chandrashekara**, L Paramesh. Proceedings of the National Symposium on Materials Science and Engineering. ISBN-978-81-929372-0-5, (2014) 24-27.
57. Diurnal and vertical variations of atmospheric electrical conductivity and radioactivity near the ground surface at Mysore, India. K S Pruthvi Rani, **M S Chandrashekara**, L Paramesh. Proceedings of the National Symposium on Materials Science and Engineering. ISBN-978-81-929372-0-5, (2014) 28-21.

58. Studies on radon, radium and uranium concentrations in water samples of few locations of Chamaraja Nagar District, South Karnataka, India. K M Nagaraju, **M S Chandrashekara**, K S Pruthvi Rani, L Paramesh. Proceedings of the National Symposium on Materials Science and Engineering. ISBN-978-81-929372-0-5, (2014) 36-39.
59. Analysis of  $^{226}\text{Ra}$  and  $^{222}\text{Rn}$  concentration in natural water of Mysore District, Karnataka State, India. B.C.Shivakumara, **M.S.Chandrashekara**, L. Paramesh, T.S.Shashikumar. Proceedings of the National Symposium on Materials Science and Engineering. ISBN-978-81-929372-0-5, (2014) 40-43.

## 2015

60. Diurnal variations of Global Electric Circuit parameters at Mysuru. ( $12^\circ\text{N}$ ), India. Pruthvi Rani K.S., **Chandrashekara M.S.**, Paramesh L. Proceedings of National Conference on Recent Trends in Physics, Mathematics and Engineering. ISBN 978-81-930115-1-5. Feb 2015. pp 52-56.
61. Diurnal and seasonal variation of trace gases and particulate matters in Mysore city, India. N. Ragini, **Chandrashekara M.S.**, Paramesh L. Proceedings of National Conference on Recent Trends in Physics, Mathematics and Engineering. ISBN 978-81-930115-1-5. Feb 2015. pp 57-61.
62. Activity of Uranium and Radon-222 in ground water of Mandya region Karnataka state, India. Shivakumara B.C, **Chandrashekara M.S.**, Paramesh L. Proceedings of National Conference on Recent Trends in Physics, Mathematics and Engineering. ISBN 978-81-930115-1-5. Feb 2015. pp 67-69.
63. Studies on Radon concentration in ground water samples of Chamarajanagar District Karnataka State India. Nagarajau K.M,**Chandrashekara M.S.**, Paramesh L. Proceedings of National Conference on Recent Trends in Physics, Mathematics and Engineering. ISBN 978-81-930115-1-5. 20-21 Feb 2015. pp 29-33.
64.  $^{226}\text{Ra}$  and  $^{210}\text{Po}$  concentration in drinking water of Cauvery River basin south interior Karnataka State, India. Kavitha E., Pruthvi Rani K.S., Chandrashekara M.S., Paramesh L.Proceedings of National Conference on Recent Trends in Physics, Mathematics and Engineering. ISBN 978-81-930115-1-5. 20-21 Feb 2015. pp 20-23.
65. Effect of flux on luminescence studies of  $\text{Sr}_2\text{SiO}_4$ : Eunanophosphor: B.S. Prathibha, M.S. Chandrashekara, H. Nagabhushana, B.M. Nagabhushana. International Journal of Advanced Scientific and Technical Research 5(6), (2015), 146-156
66. Photo and thermo luminescence studies of  $\text{Sr}_2\text{SiO}_4$ :  $\text{Eu}^{3+}$  phosphor: B.S. Prathibha, M.S.Chandrashekara, B.M.Nagabhushan, H.Nagabhushan, International Journal of Innovations in Engineering and Technology (IJIET) 6 (2) (2015), 190-200

## 2016

67. Studies on Radioactive Elements in Soil Samples of Cauvery River Basin, South Interior Karnataka State, India: Kavitha, E.; Paramesh, L. and Chandrashekara, M.S., Journal of Nuclear Technology in Applied Science, 4(2), (2016), 75-81

## 2017

68. Influence Of Flux On Thermo Luminescence Properties Of Sr<sub>2</sub>SiO<sub>4</sub>: Eu<sub>0.01</sub> Nanophosphor: B.S. Prathibha, 2M.S.Chandrashekara, 3B.M. Nagabhushana, International Journal of Advance Research in Science and Engineering. 6(10), (2017), 637-642
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Aerosol Monitor



Automatic Weather Station



Radon Exhalation Studies



Radon Concentration in Water





Balloon Borne Measurements of Atmospheric Electrical Conductivity



Balloon Borne Measurements of Atmospheric Electrical Conductivity





Gerdien Condenser



Radon Counting System



Spark Counter



Etching Bath





Best poster presentation award at 2<sup>nd</sup> International Conference on Po and Radioactive Pb Isotopes held at Mangalore University, February 10-13, 2013.



Chaired a Session at the 9th International Symposium on the Natural Radiation Environment. Hirosaki University, Aomori, Japan 23-26, September 2014.



A Mobile Science Laboratory Program as a Convener of CDSS.