



Detailed Curriculum Vitae

Name: Dr Yerol Narayana

Educational Qualification: M Sc, Ph D

Designation: Professor

Address for Correspondence: Department of Physics

Mangalore University

Mangalagangothri-574 199

E-mail:narayanay@yahoo.com

Phone:+91 9448429088

Research Area: Radiation Physics

Professional Teaching Experience: 26 Years

Research Guidance (Ph.D.):

Completed students' list

1. Promood K Shetty
2. K M Rajashekara
3. Prakash Vaman
4. Santhoosh Acharya
5. Praveen Josheph
6. Primal D Pinto
7. Naveen Bapalliga
8. Rajesh K Nairy

9. Venunathan N
10. Kaliprasad C S
11. Saritha Suvarana
12. Prakash M M
13. Jagdesh B G

Ongoing Registered Students' list:

1. Poornima U S
2. Sunil K C
3. Lokesh N
4. Kamalakar V Dawalekar
5. Chethan G
6. Sandesh Achari
7. Malleshi Kavasara
8. Preethy Augustine

Research Projects:

Completed

1. Studies on environmental radioactivity and impact assessment of Kaiga power reactors (2000-04), Rs. 48 Lakhs. Sanctioned by BRNS, DAE, Govt. of India.
2. Studies on effects of high energy electrons and bremsstrahlung radiations on biological systems using Microtron accelerator (2007-10), Rs. 12 Lakhs Sanctioned by BRNS, DAE, Govt. of India.
3. Study of radiation induced DNA damages in biological systems by comet assay using Microtron accelerator (2010-14), Rs. 20 Lakhs Sanctioned by BRNS, DAE, Govt. of India.
4. Study of dose rate effects on the induction of biological damages using electron beam accelerator (2012-15), Rs. 12 Lakhs Sanctioned by UGC, Govt. of India.
5. Evaluation of oxidative stress in human peripheral blood lymphocytes induced by energetic electrons and protons delivered at different dose rates (2015-19), Rs.18 Lakhs, Sanctioned by BRNS, DAE, Govt. of India.

Ongoing

1. Establishing research facilities at the Department of Physics, Mangalore University under FIST program (2019-23), Rs.221 Lakhs, Sanctioned by DST, Govt. of India.

Professional Collaboration:

International

1. University of Botswana, Botswana
2. British Geological Survey, UK
3. University of Stirling, UK

National

1. Bhabha Atomic Research Centre, Mumbai
2. Indira Gandhi Centre for Atomic Research, Chennai
3. Environmental Radiological Laboratory, Kaiga
4. Defence Laboratory, Jodhpur

Research Journal Publications:

International

1. Radhakrishna A P, Somashekarappa H M, Narayana Y & Siddappa K. A New Natural Background Radiation Area on the Southwest Coast of India, *Health Physics (USA)*, Vol. 65, No. 4, pp. 390-395, 1993.
2. Narayana Y, Somashekarappa H M, Radhakrishna A P, Balakrishna K M & Siddappa K. External gamma radiation dose rates in coastal Karnataka, *Journal of Radiological Protection (UK)*, Vol. 14, No. 3, pp. 257-264, 1994.
3. Narayana Y, Radhakrishna A P, Somashekarappa H M, Karunakara N, Balakrishna K M & Siddappa K. Distribution and enrichment of radionuclides in the newly discovered high background area in Ullal on the south west coast of India, *Health Physics (USA)*, Vol. 69, No. 2, pp. 178-186, 1995.
4. Narayana Y, Radhakrishna A P, Somashekarappa H M, Karunakara N, Balakrishna K M & Siddappa K. Distribution of some natural and artificial radionuclides in the environment of coastal Karnataka of south India, *Journal of Environmental Radioactivity (UK)*, Vol. 28, No. 2, pp. 113-139, 1995.
5. Narayana Y, Radhakrishna A P, Somashekarappa H M, Karunakara N, Balakrishna K M & Siddappa K. Internal exposure to the population of coastal Karnataka of south India from dietary intake, *Radiation Protection Dosimetry (UK)*, Vol. 62, No. 3, pp. 131-138, 1995.
6. Radhakrishna A P, Somashekarappa H M, Narayana Y & Siddappa K. Distribution of some natural and artificial radionuclides in Mangalore environment of south India, *Journal of Environmental Radioactivity (UK)*, Vol. 30, No. 1, pp. 31-54, 1996.
7. Somashekarappa H M, Narayana Y, Radhakrishna A P & Siddappa K. Atmospheric radon levels and its emanation rate in the environment of Kaiga, *Radiation Measurements*

(USA), Vol. 26, No. 1, pp. 35-41, 1996.

8. Somashekarappa H M, Narayana Y, Radhakrishna A P, Karunakara N, Balakrishna K M & Siddappa, K. Radioactivity in the tropical forest vegetation of Kaiga environment, *Journal of Environmental Radioactivity (UK)*, Vol. 31, No. 2, pp. 189-198, 1996.
9. Narayana Y, Somashekarappa H M, Karunakara N, Balakrishna K M, Siddappa K. Kumar S, Gopalani D & Ramaseshu P, Seasonal variation of indoor radon levels in coastal Karnataka on the south west coast of India, *Radiation Measurements(USA)*, Vol.29, No.1, pp.19-25, 1998.
10. Karunakara N, Somashekarappa H M, Narayana Y, Avadhani D N, Mahesh H M, Balakrishna K M & Siddappa K. Caesium-137 concentration in Kaiga Environment, *Radiation Physics and Chemistry, (UK)*, Vol.51, No.4-6, pp.623-624, 1998.
11. Narayana Y, Karunakara N, Avadhani D N, Mahesh H M, Somashekarappa H M and Siddappa K. Prominent artificial radionuclides in the environment of coastal Karnataka of south west coast of India, *Journal of Radiological Protection (UK)*, Vol. 20, pp 295-300, 2000.
12. Karunakara N, Avadhani D N, Mahesh H M, Somashekarappa H M, Narayana Y and Siddappa K. Distribution and enrichment of ^{210}Po in the environment of Kaiga in South India, *Journal of Environmental Radioactivity (UK)*, 51, pp, 349-362, 2000.
13. Narayana Y, Somashekarappa H M, Karunakara N, Avadhani D N, Mahesh H M and Siddappa K. Natural radioactivity in the soil samples of coastal Karnataka of south west coast of India, *Health Physics (USA)*, Vol. 80, No.1, pp. 24-33, 2001.
14. Karunakara N, Somashekarappa H M, Narayana Y, Avadhani D N, Mahesh H M and Siddappa K. ^{226}Ra , ^{232}Th and ^{40}K concentrations in soil samples of Kaiga of south west coast of India. *Health Physics (USA)* , Vol. 80, No.5, pp. 470-476, 2001.
15. Karunakara N, Avadhani D N, Mahesh H M, Somashekarappa H M, Narayana Y and Siddappa K. ^{137}Cs Concentration in Environment of Kaiga in the South West Coast of India, *Health Physics (USA)*, Vol. 81, No 2, pp. 148-155, 2001.
16. Avadhani D N, Mahesh H M, Karunakara N, Narayana Y, Somashekarappa H M and Siddappa K. Dietary intake of ^{210}Po and ^{210}Pb in the environment of Goa of South west coast of India, *Health Physics (USA)*, Vol.81, No. 4, pp 438-445, 2001.
17. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. Radon-222 concentration in Ground waters and associated health effects in the environment of coastal Karnataka and Kaiga on south west coast of India, *Health Physics (USA)*, Vol.81, No. 6, pp. 724-728, 2001.
18. Karunakara N, Somashekarappa H M, Narayana Y, Avadhani D N, Mahesh H M, and Siddappa K. ^{226}Ra , ^{40}K and ^7Be activity concentrations in plants in the environment of Kaiga, India, *Journal of Environmental Radioactivity (UK)*, Vol. 65, 255-266, 2003.
19. Narayana Y, Shetty P K and Siddappa K. Enrichment of natural radionuclides in monazite areas of coastal Kerala, *International Congress Series (UK)*, Vol.1276, 333-334, 2005.
20. Rajashekara K M, Narayana Y, Karunakara N and Siddappa K. Transportation of radionuclides from Western Ghats to Arabian sea through some major rivers of South

India, *International Congress Series* (UK), Vol.1276, 348-349, 2005.

21. Rajeev Bhat, Sridhar K R, Rajashekara K M and Narayana Y. ^{210}Po bioaccumulation in coastal sand dune wild legumes-*Canavalia* spp. of southwest coast of India, *Journal of Environmental Monitoring* (UK), Vol. 7, 856-860, 2005.
22. Shetty P K, Narayana Y and Siddappa K. Vertical profiles and enrichment pattern of natural radionuclides in monazite areas of coastal Kerala, *Journal of Environmental Radioactivity* (UK), Vol.86, 132-142, 2006.
23. Narayana Y, Shetty P K and Siddappa K. Behaviour of ^{210}Po and ^{210}Pb in high background areas of coastal Kerala on the south west coast of India, *Applied Radiation and Isotopes* (UK), Vol.64, 396-401, 2006.
24. Rajashekara, K M., Narayana, Y and Siddappa, K. ^{222}Rn concentration in ground water and river water of coastal Karnataka, *Radiation Measurements* (USA), Vol. 42, Issue 3, 472-478, 2007.
25. Narayana, Y., Rajashekara, K M and Siddappa, K. Natural radioactivity in some major rivers of coastal Karnataka on the south west coast of India, *Journal of Environmental Radioactivity* (UK), Vol. 95, Issues 2-3, 98-106, 2007.
26. Rajashekara, K M., Narayana, Y and Siddappa, K. Effective dose owing dissolved ^{222}Rn in potable water of coastal Karnataka of southwest coast of India, *Int.J. Low Radiation (Switzerland)* Vol. 4, No. 3, 209-216, 2007.
27. Narayana, Y., Rajashekara, K M and Siddappa, K. Activity of ^{226}Ra , ^{232}Th and ^{40}K in riverine environs and evaluation of radiological hazards, *Int.J. Low Radiation (Switzerland)* Vol. 4, No. 3, 200-207, 2007.
28. Shetty, P K and Narayana, Y. Radioactivity and evaluation of radiation hazard along coastal Kerala. *Int.J. Low Radiation (Switzerland)* Vol. 4, No. 3, 189-199, 2007.
29. Narayana, Y and Prakash, V Radioactivity in Ayurvedic medicinal plants. , *Int.J. Low Radiation (Switzerland)*, Vol. 4, No. 3, 184-188, 2007.
30. Prakash, V and Narayana, Y. Enrichment of ^{210}Po and ^{210}Pb in the Padubidiri environs of Karnataka. *Int. J. of Nuclear Energy Science and Technology*, Vol. 3, No. 4, 378-385, 2007.
31. Prakash V, Narayana Y and Siddappa K. Concentration of natural radionuclides in and around Padubidri on the coastal Karnataka, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 274, No. 2, 367-372, 2007.
32. Rajashekara, K M., Narayana, Y and Siddappa, K. Distribution of ^{210}Po and ^{210}Pb in riverine environs of coastal Karnataka on the south west coast of India, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 277, No. 2, 379-388, 2008.
33. Navin N. Bappalige, Brinda, Narayana Y and Upadaya V, 1-(2,4-Dichlorophenyl)-3-[4-(dimethyl-amino)phenyl]prop-2-enone, *Acta Crystallographica Section E*, Vol. 65, 01266, 2009.
34. Santhosh Acharya, Ganesh Sanjeev, Bhat, N N, Siddappa K and Narayana, Y. The effect of electron and gamma irradiation on the induction of micronuclei in Cytokinesis-blocked human blood lymphocytes. *Radiation and Environmental Biophysics*, Vol. 48, 197-203, 2009.

35. Narayana, Y and Prakash V, Enrichment and vertical profiles of ^{210}Po and ^{210}Pb in monazite areas of coastal Karnataka, *Applied Radiation and Isotopes (UK)*, Vol.68, 1137-1142, 2010.
36. Santhosh Acharya, Ganesh Sanjeev, Bhat, N N and Narayana, Y, Dose rate effect of pulsed electron beam on micronucleus frequency in human peripheral blood lymphocytes, *Arh. Hig. Rada. Toksikol.*, Vol. 61, 77-83, 2010.
37. Narayana, Y and Rajashekara, K M. Study of ^{210}Po and ^{210}Pb in the riverine environments of coastal Karnataka, *Journal of Environmental Radioactivity (UK)*, Vol. 101, No. 6, 468-471, 2010.
38. Navin N.Bappalige, Narayana Y Boja Poojary and Narayana Poojary K. Growth and characterisation of 4-Bromo 2-nitro aniline a new non-linear optical organic crystal, *International Journal of Pure and Applied Physics* (ISSN: 0973-1776), Vol. 6, No. 2, 151-156, 2010.
39. Narayana, Y and Rajashekara, K M. The importance of physico-chemical parameters on the speciation of natural radionuclides in riverine ecosystems, *Journal of Environmental Radioactivity (UK)*, Vol. 101, 958-964, 2010.
40. Shetty P K and Narayana, Y. Variation of radiation level and radionuclide enrichment in high background area, *Journal of Environmental Radioactivity (UK)*, Vol. 101, 1043-1047, 2010.
41. Narayana Y, Navin N.Bappalige and Narayana Poojary K, Growth and characterisation of 1(2,4-dichlorophenyl)-3-(4dimethyl amino-phenyl)-2-propenone: A new nonlinear optical chalcone, *International Journal of Physics and Applications* (ISSN: 0974-3103), Vol. 3, No. 1, 57-62, 2011.
42. Santhosh Acharya, Bhat, N N, Praveen Joseph, Ganesh Sanjeev, Sreedevi B and Narayana, Y, Dose rate effect on micronuclei induction in human lymphocytes exposed to single pulse and multiple pulse of electrons, *Radiation and Environmental Biophysics*, Vol. 50, 253-263, 2011.
43. Narayana Y and Venunathan N, Dependence Of ^{210}Po Activity On Organic Matter In Riverine Environs Of Coastal Kerala, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 131-135, 2011.
44. Praveen Joseph, Santhosh Acharya, Ganesh Sanjeev, N.N. Bhat, Y. Narayana, Cell Inactivation Studies On Yeast Cells Under Euoxic And Hypoxic Condition Using Electron Beam From Microtron Accelerator, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 209-214, 2011.
45. Primal D'Cunha, Sathyanarayana Bhat P and Narayana Y, A Study On ^{210}Po Activity In Soil At Different Depths Along Coastal Kerala, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 171-174, 2011.
46. Prakash V, Narayana Y, Saxena M K, Deb S B, Nagar B K and Ramakumar K L, Accumulation of Toxic Trace Elements by Medicinal Plants, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 103-107, 2011.
47. Shetty P K and Narayana Y, Depth Profile Study Of Natural Radionuclides In The Environment Of Coastal Kerala, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 159-163, 2011.

48. Rajashekara K M, Narasimha A, Shetty P K, Prakash V and Narayana Y, Effective Doses Due To Intake of Radiotoxic Radionuclides ^{226}Ra , ^{210}Po and ^{210}Pb Through Drinking Water of Coastal Karnataka, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 290, No. 1, 137-140, 2011.
49. Narayana Y and Navin N Bappalige, Umesh G and Manjunatha K B, Second and Third harmonic conversion efficiency of two new organic crystals by Nd: YAG laser – A comparative Study, *International Journal of Science Research*, Vol. 7, No.4, 298-300, 2012.
50. Narayana Y, Prakash V, Saxena M K, Deb S B, Nagar B K and Ramakumar K L, Accumulation of Trace Elements in Medicinal Plants in Mangalore Environs of coastal Karnataka, *International Journal of Science, Environment and Technology*, Vol. 2, No. 5, 963-968, 2013.
51. Navin N Bappalige and Narayana Y, Thermal and mechanical property study of 1-(2,4-dichlorophenyl)-3-(4-dimethyl amino-phenyl)-2-propene – A new non-linear optical chalcone, *International Journal of Applied Physics*, Vol. 4, No. 1, 1-4, 2014.
52. Praveen Joseph, N.N. Bhat, David Copplestone and Y. Narayana, Production of gamma induced Reactive Oxygen Species and damage of DNA molecule in HaCaT cells under Euoxic and Hypoxic condition, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 302, 983-988, 2014.
53. Praveen Joseph, Rajesha Nairy, Santhosh Acharya, Ganesh Sanjeev, Y Narayana, Chemical Dosimeters for Electron Beam Dosimetry of Microtron Accelerator, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 302, 1013-1019, 2014.
54. Primal Pinto and Narayana Yerol, Studies on the Seasonal Variation and Vertical Profiles of Natural Radionuclides in High Background Radiation Areas of Kerala on the South West Coast of India, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 302, 813-817, 2014.
55. Rajesha Nairy K, Nagesh N Bhat, Anjaria K B, Sreedevi B, Sapra B K and Narayana Yerol, Study of Gamma Radiation Induced Damages and Variation of Oxygen Enhancement Ratio with Radiation Dose using *Saccharomyces cerevisiae*, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 302, 1027-1033, 2014.
56. Santhosh Acharya, N.N Bhat, Ganesh Sanjeev and Y. Narayana, Evaluation of Micronuclei Induced by Energetic Electrons Delivered at Different Dose Rates Per Pulse, *Journal of Radioanalytical and Nuclear Chemistry*, Vol. 302, 993-997, 2014.
57. Poornima U S and Narayana Y, Studies on synthesis, optical and thermal properties of graphene oxide, *International Journal of Advanced Scientific and Technical Research*, Vol. 5, No. 5, 162-166, 2015.
58. Narayana Y, Radiation level and pattern of radioactivity distribution in high background areas of coastal Kerala, *International Journal of Pure and Applied Physics*, Vol.11, No.2, 99-103, 2015.
59. Praveen Joseph, Bhat N N Narayana Y, Studies on cell inactivation efficiency of gamma and proton radiation using MTT assay, Pearl-Multidisciplinary Journal (Pub: St. Philomena College, Puttur-ISSN: 2394-0352), Vol. 1, No.2, 61-65, 2015.
60. Rajesha K Nairy, Nagesh N Bhat, Praveen Joseph, Ganesh Sanjeev and Narayana Y, DNA

Damage and Repair Kinetics Studies Using 8 MeV Pulsed Electron Beam from Microtron Accelerator, *International journal of Radiation Research*, Vol.13, No.3, 213-220, 2015.

61. Jagadish B G and Narayana Y, Radium and radon exhalation rate in soil samples of Hassan district of south Karnataka, India, *Radiation Protection Dosimetry*, 1-5, 2016.
62. Kaliprasad C S and Narayana Y, Distribution of ^{210}Po in Hemavathi riverine environment, *Radiation Protection Dosimetry*, Vol.171, No.21-5, 2016.
63. Venunathan N, Kaliprasad C S and Narayana Y, Natural radioactivity in sediments and river bank soil of Kallada river of Kerala, south India and associated radiological risk, *Radiation Protection Dosimetry*, 1-6, 2016.
64. Narayana Y, Kaliprasad CS and Ganesh Sanjeev, Natural radionuclide levels in sediments of Cauvery riverine environment, *Radiation Protection Dosimetry*, 1-5, 2016.
65. Rajesha K Nair, Nagesh N Bhat, Ganesh Sanjeev and Narayana Yerol, Dose response study using micronucleus cytome assay: a tool for biodosimetry application, *Radiation Protection Dosimetry*, 1-9, 2016.
66. Kaliprasad C S and Narayana Y, Speciation and behavior of ^{210}Po and ^{210}Pb in the riverine ecosystem of Cauvery, a major river of south India, *Radiochemistry* (Springer), vol. 58, No. 4, 431–437, 2016.
67. Venunathan N and Narayana Y, Activity of ^{210}Po and ^{210}Pb in the riverine environs of coastal Kerala on the south west coast of India, *Journal of Radiation Research and Applied Sciences* (Elsevier), 1-8, 2016.
68. Jagadeesha B G and Narayana Y. *Radon Exhalation Rate Measurement in the Environment of Hassan District of Southern India*. *Radiochemistry* 2016, 59(1),104-108.
69. Kaliprasad, C. S., Narayana, Y., 2017. Radon concentration in water, soil and sediment of Hemavathi River environments. *Indoor and Built environment*., 27(5),587-596. 10.1177/1420326X16688522.
70. Saritha Suvarna, Ujjal Das, Sunil K C, Snehasis Mishra, Sudarshan M, Krishna Das Saha, Sanjit Dey, Anindita Chakraborty, Narayana Y, Synthesis of novel glucose capped gold nanoparticles are better candidate for theranostic, DOI:10.1371/journal.pone.0178202, PLOS ONE, 2017.
71. Suvarna S, Nair R, Sunil KC, Narayana Y (2017) Cytotoxicity Studies of Functionalized Gold Nanoparticles Using Yeast Comet Assay. *J Clin Toxicol* 7: 346.
72. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y, Byrappa K, Madan Kumar S and Suresh Kumar M R, Synthesis, Single Crystal Structure and Spectroscopic Aspects of Chalcone 2(2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dimethoxybenzaldehyde)prop-2-ene-1-one, *Chemical data collection* (Elsevier), 9–10 (2017) 208–219.
73. Prakash, M.M., Kaliprasad, C. S., Narayana, Y., 2017. Distribution of ^{210}Po in the soils of Virajpet taluk, Coorg District, Karnataka. *Journal of Radiation Research and Applied Sciences*. 10, 57-62.
74. Prakash, M.M., Kaliprasad, C. S., Narayana, Y., 2017. Study on natural radioactivity in rocks of Coorg District, Karnataka state, India. *Journal of Radiation Research and Applied Sciences*. 10, 128-134.

75. Prakash, M.M., Kaliprasad, C. S., Narayana, Y., 2017. Risk Assessment due to inhalation of radon in Coorg. *Journal of Radioanalytical and Nuclear chemistry*. December 2017, Volume 314, Issue 3, pp 2057–2067.
76. Kaliprasad, C. S., Vinutha, P.R., Narayana, Y., Natural radionuclides and radon exhalation rate in the soils of Cauvery River basin., *Air, Soil and water Research* , Vol. 10, (2017), pp.1-7. <https://doi.org/10.1177/11786221177469>.
77. Prakash, M. M., C. S. Kaliprasad, and Y. Narayana. Studies on distribution of ^{210}Pb in the illuviated soil of Virajpet taluk, Coorg district. *Journal of Radioanalytical and Nuclear Chemistry* 315, no. 2 (2017): 315-322.
78. Kaliprasad, C. S., vinutha P R., Narayana, Y., Studies on the distribution of radionuclides and clay minerals in the soils of Cauvery river environs. *Journal of Radioanalytical and nuclear chemistry*. DOI.org/10.1007/s10967-018-5825-1.
79. Kaliprasad, C. S., Narayana, Y Distribution of Natural Radionuclides and Radon Concentration in the Riverine Environs of Cauvery, South India, *Journal of Water and Health*, 16 (3), 476-486, 2018, DOI: 10.2166/wh.2018.242.
80. Jagadeesha B G, Narayan Y, Sudarshan M and Shamayita Banerjee. *Studies on uptake and retention of trace elements by medicinal plants in the environs of Hassan of South India*. *Radiation Physics and Chemistry*. (2018), 144, 317-321.
81. Jagadeesha B G and Narayana Y. Effect of grain size on radon exhalation rate in the soils of Hassan district of southern India. *Radiochemistry*. (2018), vol. 60, no. 1 or 2 (In Press).
82. Kaliprasad, C. S., and Y. Narayana. Statistical analysis for the confirmation of seasonal variation of radionuclides in different environmental matrices. *Journal of Radioanalytical and Nuclear Chemistry* 318, no. 2 (2018): 1181-1187.
83. Kaliprasad, C. S., P. R. Vinutha, and Y. Narayana. Studies on distribution of radionuclides and behavior of clay minerals in the soils of river environs. *Journal of Radioanalytical and Nuclear Chemistry* (2018): 1-9.
84. Kaliprasad, C. S., and Y. Narayana, Seasonal variation and behavior of ^{210}Pb in the soil and sediment of Hemavathi riverine environment, *MOJ Toxicology*, Volume 4 Issue 2, 2018.
85. Prakash, V and Narayana Y, Bio-indicators for impact assessment of radionuclide contamination, *Pearl*, Vol 5, Issue 1, 2019, pp. 3-10.
86. Nadira Mahamood K, Kaliprasad, C. S., Narayana Y and Prakash V. Assessment of natural radionuclide enrichment and radiation hazard from building materials in Kannur district, Kerala. *Journal of Radioanalytical and Nuclear Chemistry*, 2019. <https://doi.org/10.1007/s10967-019-06519-4>.
87. Divya P V, Kaliprasad, C. S., Narayana Y and Prakash V. Distribution of natural radionuclides and assessment of excess lifetime cancer risk along coastal areas of Varkala in Kerala, *Journal of Radioanalytical and Nuclear Chemistry*. 2019. <https://doi.org/10.1007/s10967-019-06509-6>.
88. Rajashekara K M, Prakash V and Narayana Y. The radiation dose and distribution coefficient of ^{210}Po and ^{210}Pb concentrations in aquatic environs of major rivers of coastal Karnataka. *Journal of Radioanalytical and Nuclear Chemistry*, 2019. [https://DOI 10.1007/s10967-019-06638-y](https://doi.org/10.1007/s10967-019-06638-y).

89. Preethy Augustine, Narayana Y and Nandakumar K, Enhancement of room temperature magneto-electric coupling effect in perovskite-spinel $(1-x)\text{BiFeO}_3-x\text{ZnFe}_2\text{O}_4$, 2020, nanocomposites, *Materials Today Proceedings*, <https://doi.org/10.1016/j.matpr.2020.02.948>.
90. Preethy Augustine, Narayana Y and Nandakumar K, Influence of spinel ferrites in the modification of magneto-electric coupling effect in BiFeO_3 , 2020, *Materials Today Proceedings*, <https://doi.org/10.1016/j.matpr.2020.01.031>.
91. Vinutha P R, Kaliprasad C S, Jyarama A and Narayana Y, Crystalline and optical properties of new synthesized chalcone compound (2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dichlorophenyl)prop-2-en-1-one, 2020, *Materials Today Proceedings*, <https://doi.org/10.1016/j.matpr.2020.03.156>.
92. Sunil, K. C., Suvarna, S., Nairy, R. K., Chethan, G., Mustak, M. S., & Yerol, N. (2020). Facile, cost-effective and eco-friendly synthesis of carbonyl-rich partially reduced graphene oxide using glucose as a sole precursor. *SN Applied Sciences*, 2(8), 1-8.

National

1. Rekhakutty R, Sahasrabudhe S G, Chakraborty P P, Iyengar T S, Iyer M R, Narayana Y & Siddappa K. A relative comparison of activities due to U & Th daughter products and its concentration in soils from different regions, *Bulletin of Radiation Protection (India)*, Vol. 16, No. 1 & 2, pp. 147-150, 1993.
2. Karunakara N, Radhakrishna A P, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Prominent alpha emitting radionuclides in Kaiga environ, *Indian Journal of Environmental Protection (India)*, Vol. 14, No. 4, pp. 241-245, 1994.
3. Narayana Y, Somashekarappa H M, Karunakara N, Balakrishna K M, Siddappa K, Kumar S, Gopalani D & Ramaseshu P. Indoor radon levels in coastal Karnataka on the south west coast of India, *Bulletin of Radiation Protection (India)*, Vol. 19, No. 2 & 3, pp. 12-15, 1996.
4. Karunakara N, Avadhani D N, Mahesh H M, Somashekarappa H M, Narayana Y, and Siddappa K. Radioactivity and Radiation Levels in the Environs of Kaiga, *Environmental Geochemistry (India)*, Vol.1, No.1, pp.1-4, 1998.
5. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y, and Siddappa K. U-238, Pb-210 and Po-210 concentrations in water samples of Coastal Karnataka and Kaiga environs, *Journal of Environmental Geochemistry (India)*, Vol 2, No. 2, pp. 59-62, 1998.
6. Avadhani D N, Mahesh H M, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. Polonium-210 concentration in food and diet samples of the Goa environs. *Environmental Geochemistry (India)*, Vol. 2, No. 1, pp 1-4, 1999.
7. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and

- Siddappa K. Distribution and Behaviour of ^{210}Po and ^{210}Pb in Soil samples of Goa, South West coast of India, *Journal of Radiation Protection and Environment (India)*. Vol. 24, Nos. 1&2, pp 401-405, 2001.
8. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. ^{210}Pb Concentration in Air and Water samples in the environment of coastal Karnataka and Kaiga, *Journal of Radiation Protection and Environment (India)*, Vol. 24, Nos. 1&2, pp 406-409, 2001.
 9. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Natural Radioactivity in the Environment of Goa of South-West coast of India, *Journal of Radiation Protection and Environment (India)*, Vol. 24, Nos. 1&2 (Suppl.), pp S136-S142, 2001.
 10. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. $^{210}\text{Po}/^{210}\text{Pb}$ Ratio in Air and Rain water samples in the Environment of coastal Karnataka and Kaiga, *Journal of Radiation Protection and Environment (India)*. Vol. 24, Nos. 1&2 (Suppl.) pp S71-S75, 2001.
 11. Avadhani D N, Mahesh H M, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. Natural radioactivity in beach sands of Goa of South-West coast of India, *J. Radiation Protection and Environment (India)*, Vol. 24, No. 4, 2001.
 12. Narayana Y Rajashekara K M, and Siddappa K Natural radioactivity in a major river of coastal Karnataka, *Environmental Geochemistry (India)*, Vol.8, No. 1 & 2, 186-189, 2005.
 13. Rajashekara K M, Narayana Y and Siddappa K Distribution of Po-210 in riverine environs of coastal Karnataka, *Environmental Geochemistry (India)*, Vol.8, No. 1 & 2, 321-323, 2005.
 14. Shetty P K, Narayana Y and Siddappa K. Enrichment and spatial variation of natural radionuclides in high background areas of coastal Kerala, *Environmental Geochemistry (India)*, Vol.8, No. 1 & 2, 324-329, 2005.
 15. Santhosh Acharya, Ganesh Sanjeev, N.N. Bhat, K. Siddappa and Y. Narayana. Relative biological effectiveness for the induction of micronuclei in human blood lymphocytes after in-vitro irradiation with 8 MeV electrons from Microtron, *Radiation Protection and Environment*, vol. 29, No. 1-4, 45-48, 2006.
 16. Rajashekara K M, Narayana Y, Ganesh Sanjeev and Siddappa K. Uranium concentration in ground water and river water of coastal Karnataka. *Radiation Protection and Environment*, Vol. 30, No. 1-4, 98-100, 2007.
 17. Santhosh acharya, nn bhat, praveen joseph, ganesh sanjeev, b sreedevis, and narayana y. Effects of single and multiple pulses of electrons on human blood lymphocytes, *Indian Journal of Radiation Research*, Vol. 5, No.3-4, 145, 2008.
 18. Narayana, Y and Rajashekara K M, Uranium in river ecosystems of coastal Karnataka, *Radiation Protection and Environment*, Vol. 32, No. 3-4, 27-28, 2009.
 19. Rajashekara, K M and Narayana, Y. Transport of ^{210}Po and ^{210}Pb in the river ecosystems of coastal Karnataka, *Current Science (India)*, Vol. 98, No. 12, 1633-1636, 2010.
 20. Primal D'Cunha and Narayana Y, Accumulation of ^{210}Po in environmental matrices and assessment of radiation risk, *Advanced Biotech (India)*, Vol. 10, Issue 05, 150, 2010.

21. Praveen Joseph, Bhat N N, Santra S, Thomas R G, Gupta S K and Narayana Y, Cell inactivation and DNA damage studies using proton beams from the folded tandem ion accelerator, *Advanced Biotech* (India), Vol. 10, Issue 05, 90, 2010.
22. Santhosh Acharya, Bhat, N N, Praveen Joseph, Ganesh Sanjeev, and Narayana, Y, Ultra-high dose rate effect on micronuclei induction in human blood lymphocytes – Clinical aspects, *Advanced Biotech* (India), Vol. 10, Issue 05, 112, 2010.
23. Praveen Joseph, Bhat N N and Narayana Y, Analysis of gamma induced DNA strand breaks and repair in normal HaCaT and tumour HT29 cells using comet assay, *Radiation Protection and Environment*, Vol. 34, No. 2, 89-95, 2011.
24. Praveen Joseph, Narayana Yerol, Rajesh Nairy, Ganesh Sanjeev and N N Bhat, Assessment of electron and gamma induced DNA damage in human peripheral blood by comet assay, *Radiation Protection and Environment*, Vol. 34, No. 4, 89-95, 2011.
25. Primal D'Cunha, Narayana Y, Karunakara N, Yashodhara I and Sudeep Kumar, Concentration of ^{222}Rn in drinking water along coastal Kerala and evaluation of ingestion doses, *Radiation Protection and Environment*, Vol. 34, No. 3, 197-200, 2011.
26. Primal D'Cunha and Narayana Y, A comparison study on methodologies of Gamma ray spectrometer and X-ray fluorescence, *Indian Journal of Pure and Applied Physics*, Vol. 50, 524-526, 2012.
27. Praveen Joseph, Bhat N N, Santra S, Thomas R G, Gupta S K and Narayana Y, Determination of relative biological effectiveness of 3.2 MeV proton beam from folded tandem ion accelerator, *Indian Journal of Pure and Applied Physics*, Vol. 50, 789-792, 2012.
28. Santhosh Acharya, Praveen Joseph, Bhat N N, Ganesh Sanjeev and Narayana Y, Assessment of cell damages induced by gamma rays and pulsed electron beam at different dose rates, *Indian Journal of Pure and Applied Physics*, Vol. 50, 474-477, 2012.
29. Primal D'Cunha and Narayana Y, Elevated natural radioactivity in soil samples of coastal Kerala, India, *Journal of Environmental Research and Development*, Vol. 7, No.2, 1-5, 2012.
30. Sunil K C, Rajesha K Nairy, Saritha Suvarna, M.S. Mustak, Jit Chatterjee, and Narayana Yerol, Facile hydrothermal synthesis of biocompatible $\text{Zn}_0.4\text{Co}_0.6\text{Fe}_2\text{O}_4$ nanoparticles, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 77-80.
31. Kaliprasad C S, M. M Prakash, N. Venunathan, Narayana Y, A review on application of nanoparticles in Biophysics, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 81-84.
32. Rajesha K Nairy, Praveen Joseph, Sunil K C, Saritha Suvarna, M.S. Mustak, Jit Chatterjee, Narayana Yerol, Cell inactivation and oxygen enhancement ratio studies on *saccharomyces cerevisiae* using 8 MeV pulsed electron beam, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 282-85.
33. Saritha Suvarna, Rajesh Nairy, Sunil KC and Narayana Yerol, Electron induced dna damage studies of glucose capped gold nanoparticles in human peripheral lymphocytes using alkaline comet assay, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 296-98.

34. Sunil K C, Rajesha K Nairy, Nagesh Bhat, Praveen Joseph, Saritha Suvarna, M.S. Mustak, Jit Chatterjee, Narayana Yerol, Studies on 3.2 MeV proton beam induced DNA damages in human breast cancer cells using alkaline comet assay, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 412-14.
35. Poornima U S, Narayana Y, Structural investigation of chemically synthesized grapheme nano composite, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 419-21.
36. Praveen Joseph, Rajesha Nairy, Sunil K C, Narayana Yerol, Department of Studies in Physicse rate effect of electron radiation on DNA damage induction, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 427-30.
37. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Synthesis and spectral characterization of new chalcone single crystal, *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 352-355.
38. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Nonlinear optical properties and X-ray diffraction studies on newly synthesized chalcone crystal. *Recent advances in materials science and biophysics*, volume 1, (2018), pp. 366-370.
39. Jagadeesha B G and Narayan Y. Natural radionuclide concentration in the region of Hassan District of southern India. *Radiation Protection and Environment* (In Press).
40. Kaliprasad, C. S., and Y. Narayana. "Radon exhalation rate and radon activity in soils of riverine environs of South Karnataka. *Radiation Protection and Environment* 41, no. 4 (2018): 189.
41. Prakash, V., K. M. Rajashekara, and Y. Narayana. "Study on effects of physicochemical parameters on natural radionuclides concentration and assessment of radiological parameters in the soil samples of Mangalore, Dakshina Kannada. *Radiation Protection and Environment* 41, no. 4 (2018): 192.
42. Prakash, V., K. Nadira Mahamood, and Y. Narayana. "Enrichment pattern and depth profile of natural radionuclides in monazite areas of coastal Karnataka." *Radiation Protection and Environment* 41, no. 3 (2018): 152.
43. Rajashekara, K. M., V. Prakash, and Y. Narayana. Seasonal variation of natural radioactivity in the environs of Kali River. *Radiation Protection and Environment* 41, no. 3 (2018): 119.
44. Vineethkumar, V., V. Prakash, and Y. Narayana. Assessment of radioactivity level and radiological parameters in soil samples of Akalad, Thrissur District, Kerala. *Radiation Protection and Environment* 41, no. 3 (2018): 128.
45. Jagadeesha, B. G., and Y. Narayana. Natural radionuclide concentration in Hassan district of South India. *Radiation Protection and Environment* 41, no. 1 (2018): 37.
46. Kaliprasad, C. S., and Y. Narayana. Mineralogy and physico-chemical parameters on the behavior of natural radionuclides in the riverine environs of Hemavathi, South India. *Radiation Physics and Chemistry* 151 (2018): 99-107.
47. Narayana Yerol, Sandesh Achari, Vinutha P R, Kaliprasad C S, Prafulla and Shrinidhi Kini . Radiological hazards from construction materials in the vicinity of thermal power station, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2019. www.jetir.org (ISSN-2349-5162).

48. Sunil K C, Chethan G, Saritha Suvarna, Rajesha K Nairy, Mustak M S, Jit Chatterjee, and Narayana Yerol (2019) Synthesis and Characterization of Biocompatible Zn_{0.4}Co_{0.6}Fe₂O₄ Nanoparticles. *Journal of Emerging Technologies and Innovative Research (JETIR)* May 2019, Volume 6, Issue 5.
49. Chethan G., Sunil K.C., Achari Sandesh and Narayana Y, Determination of thermal conductivity of Areca husk fiber by Lee's disc method , 2020, *Research Journal of Chemistry and Environment*, Vol. 24 (Special Issue I), (2020).

Books published:

1. Recent Advances in Materials Science and Biophysics (Edited)
2. Radioactivity in Rivers (Authored)

Papers/ poster presentations in Conferences / Seminars / Symposia:

International

1. Siddappa K, Radhakrishna A P, Somashekarappa H M, Narayana Y, Lingappa N. New patches of monazite and distribution of radionuclides in the environment of Mangalore - South India, 5th International Symposium on Radiation Physics, Dubrovnik, Yugoslavia, June 10-14, 1991.
2. Siddappa K, Narayana Y, Radhakrishna A P, Somashekarappa H M, Karunakara N & Balakrishna K M. Transportation of radionuclides from Western Ghat area to major river estuaries of coastal Karnataka-India, Sixth International Symposium on the Natural Radiation Environment, Montreal, Quebec, Canada, June 5-9, 1995.
3. International Conference on Health Physics Instrumentation and Analytical Techniques, Heriot-Watt University, Edinburgh, UK, April 24 - 26, 2001.
4. Narayana Y, Jones D G, Strutt M H and Rainey M P. Advantages of in-situ gamma ray spectrometer and core logging - a case study of radiocaesium in Dee Estuary salt marshes. Young Researchers Meeting (YR 2001), Royal Society of Chemistry, Hammersmith Hospital, London, July 11, 2001.
5. Narayana Y, Jones D G, Strutt M H and Rainey M P. Distribution and enrichment of ¹³⁷Cs in the Dee Estuary salt marsh. Conference on Environmental Radioactivity, Imperial College, London, Sept. 12-14, 2001.
6. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Distribution and behaviour of natural radionuclides in soil samples of Goa of south-west coast of India. Natural Radiation Environment VII, National Technical University of Athens, Greece, May 20-24, 2002.
7. Narayana Y, Jones D G, Strutt M H and Rainey M P. Distribution of natural radionuclides in Dee Estuary salt marshes, Natural Radiation Environment VII, National Technical University of Athens, Greece, May 20-24, 2002.

8. Karunakara N, Somashekarappa H M, , Narayana Y, Avadhani D N, Mahesh H M and Siddappa K. Radiation mapping along south west coast of India. Natural Radiation Environment VII, National Technical University of Athens, Greece, May 20-24, 2002.
9. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y, and Siddappa K. Concentration, Distribution and Transportation of ^{222}Rn and its Progenies in the Environment of coastal Karnataka of South West coast of India. Natural Radiation Environment VII, National Technical University of Athens, Greece, May 20-24, 2002.
10. Narayana Y, Jones D G, Strutt M H and Rainey M P. Advantages of large area monitoring and targeted ground measurements in evaluating caesium contamination: examples from North Wales. International Conference on Environmental Radioactivity: Migration, Measuring and Monitoring in the South Pacific, Lucas Heights, Sydney, Australia, May 13-17, 2002.
11. Karunakara N, Somashekarappa H M, , Narayana Y, Avadhani D N, Mahesh H M and Siddappa K. Cs-137 in soils of South West Coast of India. International Conference on Radioactivity in the Environment, International Conference Centre, Monaco, Sept. 1-5, 2002.
12. Karunakara N, Somashekarappa H M, , Narayana Y, Avadhani D N, Mahesh H M and Siddappa K. An indigenous system of continuous monitoring of radioactivity. International Conference on Radioactivity in the Environment, International Conference Centre, Monaco, Sept. 1-5, 2002.
13. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y, and Siddappa K. Dose due to ingestion of natural and artificial radionuclides from groundwaters of coastal Karnataka and Kaiga of south west coast of India. International Conference on Radioactivity in the Environment, International Conference Centre, Monaco, Sept. 1-5, 2002.
14. Narayana Y, Jones D G, Strutt M H and Rainey M P. Distribution of ^{137}Cs in salt marsh environment of Dee Estuary. International Conference on Radioactivity in the Environment, International Conference Centre, Monaco, Sept. 1-5, 2002.
15. Shetty P K, Narayana Y, Karunakara N, Rajashekar K M and Siddappa K. Distribution and enrichment of P0-210 in the monazite areas of coastal Kerala. Thirteenth National Symposium on Environment, North-Eastern Hill University, Shillong, June 5-7, 2004.
16. Rajashekar K M, Narayana Y, Karunakara N, Vinutha P R, Shetty P K and Siddappa K. Activity of Po-210 in the riverine environment of coastal Karnataka. Thirteenth National Symposium on Environment, North-Eastern Hill University, Shillong, June 5-7, 2004.
17. Thirteenth National Symposium on Environment, North-Eastern Hill University, Shillong, June 5-7, 2004.
18. Narayana Y, Shetty P K and Siddappa K. Enrichment of natural radionuclides in high background areas of coastal Kerala on the south west coast of India, Proc. 2nd International Conference on Radioactivity in the Environment, Nice, France October 2 - 6, 2005.

National:

1. Somashekarappa H M, Radhakrishna A P, Narayana Y, Lingappa N & Siddappa K. Ambient gamma Radiation Survey in the environment of Coastal Karnataka and Kaiga, Workshop on Ionising Radiation Measurements, Madras, Tamilnadu, India, Dec. 18-20, 1990.
2. Radhakrishna A P, Somashekarappa H M, Narayana Y, Lingappa N & Siddappa K. Concentration and daily intake of natural and artificial radionuclides in Mangalore environs, Indian Association for Radiation Protection Symposium, Tarapur, India, Feb. 14-16, 1991.
3. Siddappa K, Radhakrishna A P, Narayana Y, Somashekarappa H M, Lingappa N. Radiation level and radionuclides distribution in low monazite environment of Mangalore beach, Pro. Seventh National Conference on Particle Tracks in Solids, Jodhpur, Oct. 9-11, 1991, pp. 115-121.
4. Somashekarappa H M, Radhakrishna A P, Narayana Y, Siddappa K, Balakrishna K M & Lingappa N. Po-210 activity studies in soil, vegetables and vegetation of Kaiga region, Ninth National Symposium on Radiation Physics, Osmania University, Hyderabad, Nov. 27-29, 1991.
5. Narayana Y, Somashekarappa H M, Radhakrishna A P, Balakrishna K M, Lingappa N & Siddappa K. The distribution of radionuclides in some important places of coastal Karnataka. Proc. First National Symposium on Environment, BARC, Bombay, Feb. 3-5, 1992, pp. 89-91.
6. Karunakara N, Somashekarappa H M, Radhakrishna A P, Narayana Y, Balakrishna K M & Siddappa K. Natural alpha activity in the environment of Kaiga, National seminar on Radiation, Environment and Man, Mysore University, Mysore, India, Oct. 8-9, 1992.
7. National seminar on Radiation, Environment and Man, Mysore University, Mysore, India, Oct. 8-9, 1992.
8. Narayana Y, Balakrishna K M & Siddappa K. Gamma dose measurements in the environment of coastal Karnataka, Workshop on Nuclear Power and Environmental Radioactivity, Kuvempu University, Shimoga, India, March 20-21, 1993.
9. Radhakrishna A P, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Radioactivity studies on new monazite area near Mangalore, Proc. Tenth National Symposium on Radiation Physics, Kalpakkam & Madras, India, Aug. 17-20, 1993, pp. 321-323.
10. Tenth National Symposium on Radiation Physics, Kalpakkam & Madras, India, Aug. 17-20, 1993
11. Somashekarappa H M, Radhakrishna A P, Narayana Y, Balakrishna K M & Siddappa K. Distribution of natural radionuclides in soils of Kaiga environ, Proc. Tenth National

Symposium on Radiation Physics, Kalpakkam & Madras, India, Aug. 17-20, 1993, pp. 324-326.

12. Karunakara N, Radhakrishna A P, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Uptake of Ra-226 and Po-210 by vegetation in Kaiga environ, Proc. Tenth National Symposium on Radiation Physics, Kalpakkam & Madras, India, Aug. 17-20, 1993, pp. 330-332.
13. Karunakara N, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Depth profile studies of radionuclide activities in Kaiga, Proc. Fifth National Symposium on Environment, VECC, Calcutta, India, Feb.28 - March 1, 1996, pp. 61-64.
14. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Radiation dose due to Radon daughters in Mangalagangothri, National Seminar on Impact of Discovery of Radioactivity on Modern Society, Kuvempu University, Shimoga, India, Nov. 4 - 5, 1996.
15. Avadhani D N, Mahesh H M, Karunakara N, Somashekarappa H M, Narayana Y, Balakrishna K M & Siddappa K. Natural radiation level in the environment of Goa, National Seminar on Impact of Discovery of Radioactivity on Modern Society, Kuvempu University, Shimoga, India, Nov. 4 - 5, 1996.
16. Karunakara N, Somashekarappa H M, Narayana Y, Mahesh H M, Avadhani D N, Balakrishna K M & Siddappa K. Radium-226 and Po-210 activities in Kaiga environs, National Seminar on Impact of Discovery of Radioactivity on Modern Society, Kuvempu University, Shimoga, India, Nov. 4 - 5, 1996.
17. Somashekarappa H M, Karunakara N, Narayana Y, Mahesh H M, Avadhani D N and Siddappa K. GERMON Station at Mangalore University - A Nodal Centre, National Symposium on One Hundred years of Electron Discovery, Kuvempu University, Shimoga, Dec. 29 -30, 1997.
18. Karunakara N, Somashekarappa H M, Narayana Y, Avadhani D N, Mahesh H M, Balakrishna K M and Siddappa K. Gamma spectrometry for probing the environment, National Symposium on One Hundred years of Electron Discovery, Kuvempu University, Shimoga, Dec. 29 -30, 1997.
19. Avadhani D N, Narayana Y, Karunakara N, Somashekarappa H M, Mahesh H M and Siddappa K. Alpha counting techniques in environmental radioactivity investigations, National Symposium on One Hundred years of Electron Discovery, Kuvempu University, Shimoga, Dec. 29 -30, 1997.
20. Mahesh H M, Somashekarappa H M, Narayana Y, Karunakara N, Avadhani D N and Siddappa K. Low background high efficiency beta counting system for low level counting, National Symposium on One Hundred years of Electron Discovery, Kuvempu University, Shimoga, Dec. 29 -30, 1997.
21. Karunakara N, Narayana Y, Somashekarappa H M, Mahesh H M, Avadhani D N, Balakrishna K M & Siddappa K. Caesium-137 and Strontium-90 concentration in coastal Karnataka and Kaiga environs, National Seminar on Coastal Zone Environment

Management: an appraisal of the contemporary research and development, Mangalore University, Mangalore, India, Feb. 12 - 14, 1997.

22. Avadhani D N, Mahesh H M, Karunakara N, Narayana Y, Somashekarappa H M, Balakrishna K M and Siddappa K. Radiation level and radionuclide distribution in the environment of Goa, 12th National Symposium on Radiation Physics, Defence Laboratory, Jodhpur, Rajasthan, India, Jan. 28 - 30, 1998.
23. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y, Balakrishna K M and Siddappa K. Diurnal and seasonal variations of atmospheric radon concentration in the environs of coastal Karnataka and Kaiga, 12th National Symposium on Radiation Physics, Defence Laboratory, Jodhpur, Rajasthan, India, Jan. 28 - 30, 1998.
24. Narayana Y, Karunakara N, Somashekarappa H M, Avadhani D N, Mahesh H M, Balakrishna K M & Siddappa K. Distribution of Sr-90 and Cs-137 radionuclides in the environment of coastal Karnataka, 12th National Symposium on Radiation Physics, Defence Laboratory, Jodhpur, Rajasthan, India, Jan. 28 - 30, 1998.
25. Siddappa K, Karunakara N, Somashekarappa H M, Narayana Y, Avadhani D N and Mahesh H M, Studies on Radioactivity in Aquatic and Atmospheric environs of Coastal Karnataka, Kaiga and Goa, 7th National Symposium on Environment, Dhanbadh, Bihar, Feb 5-7, 1998.
26. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. U-238, Pb-210 and Po-210 concentrations in water samples of Coastal Karnataka and Kaiga environs, National Symposium on Environmental Geochemistry, Osmania University, Hyderabad, June 26-27, 1998.
27. Narayana Y, Karunakara N, Somashekarappa H M, Avadhani D N, Mahesh H M, & Siddappa K. Indoor radon levels in Mangalore and coastal Karnataka, 19th Annual Conference on Indian Association of Biomedical Scientists, Kasturba Medical College, Mangalore, India, Oct. 30 - Nov. 1, 1998.
28. Avadhani D N, Mahesh H M, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. Distribution and Intake of Polonium-210 in the environment of Goa, 24th Conference of Indian Association for Radiation Protection, Kakrapar, India, Jan. 20-22, 1999.
29. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. Uranium concentration in water samples in the environment of Coastal Karnataka, Kaiga and Goa, 24th Conference of Indian Association for Radiation Protection, Kakrapar, India, Jan. 20-22, 1999.
30. Narayana Y, Karunakara N, Avadhani D N, Mahesh H M, Somashekarappa H M & Siddappa K. Natural radioactivity in soil samples of coastal Karnataka, 24th Conference of Indian Association for Radiation Protection, Kakrapar, India, Jan. 20-22, 1999.
31. Mahesh H M, Avadhani D N, Karunakara N, Somashekarappa H M, Narayana Y and Siddappa K. ^{210}Po Concentration in Air and water samples in the environment of coastal Karnataka and Kaiga. 8th National Symposium on Environment (8th-NSE), Kalpakkam

and Chennai, Tamil Naud, June 22-25, 1999.

32. Avadhani D N, Mahesh H M, Karunakara N, Narayana Y, Somashekarappa H M and Siddappa K. Distribution of Uranium, Lead-210 and Polonium-210 concentration in Potable water samples of Goa environment.. 9th National Symposium on Environment (9th-NSE), Bangalore University, June 5-7, 2000.
33. Avadhani D N, Mahesh H M, Karunakara N, Narayana Y, Somashekarappa H M and Siddappa K. Distribution and intake of Lead-210 in the environment of Goa, 9th National Symposium on Environment (9th-NSE), Bangalore University, June 5-7, 2000.
34. Narayana Y, Somashekarappa H M, Karunakara N, Avadhani D N, Mahesh H M, , and Siddappa K. Distribution of Ra-226 and Ra-228 in the environment of coastal Karnataka. 9th National Symposium on Environment (9th-NSE), Bangalore University, June 5-7, 2000.
35. Mahesh H M, Avadhani D N, Karunakara N, Narayana Y, Somashekarappa H M and Siddappa K. Diurnal variation of Rn daughters, Rn, equilibrium factor and soil exhalation rate along the coastal Karnataka, Kaiga and Goa, 9th National Symposium on Environment (9th-NSE), Bangalore University, June 5-7, 2000.
36. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Concentration and distribution of polonium-210 in Air and Water samples in the environment of coastal Karnataka and Kaiga. National Symposium on prospectus and problems of environment in the new millennium Mangalore University, December 14-16, 2000.
37. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Distribution of Natural radionuclides in Potable waters of Goa environs. National Symposium on Emerging Trends in Radiation Sources and their Applications. Kuvempu University, Jnana Sahyadri, January 9-10, 2001
38. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Concentrations of ^{210}Po and ^{210}Pb in Atmosphere in the environment of coastal Karnataka and Kaiga. National Symposium on Emerging Trends in Radiation Sources and their Applications. Kuvempu University, Jnana Sahyadri, January 9-10, 2001
39. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Natural Radiation level and Radionuclides Distribution in beach sand of Goa. National Seminar on Atomic Energy, Ecology and Environment to be held at Jamal Mohammed College, Tiruchirappalli, Tamilnadu during February 8-9, 2001.
40. Karunakara N, Somashekarappa H M, Avadhani D N, Mahesh H M, Narayana Y and Siddappa K. Uptake of Radionuclides by Plants in the Environment of Kaiga of South West Coast of India, 25th International conference of IARP, Mumbai, Feb. 20-23, 2001.
41. Karunakara N, Somashekarappa H M, Avadhani D N, Mahesh H M, Narayana Y and Siddappa K., Radionuclides in plants in the environment of Kaiga in Karnataka. 10th National Symposium on Environment (10th NSE), Environmental Assessment Division, Bhabha Atomic Research Centre, Mumbai June 4-6, 2001.

42. Avadhani D N, Mahesh H M, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Distribution and intake of Radium-226 in the Environment of Goa. 14th National Symposium on Radiation Physics (14th NSRP), Gurunanak Dev University, Amrithsar, Nov. 1-3, 2001.
43. Mahesh H M, Avadhani D N, Somashekarappa H M, Karunakara N, Narayana Y and Siddappa K. Radiation Dose due to Radon-222 from Ground waters of coastal Karnataka and Kaiga. 14th National Symposium on Radiation Physics (14th NSRP), Gurunanak Dev University, Amrithsar Nov. 1-3, 2001.
44. Narayana Y, Karunakara N, Avadhani D N, Mahesh H M and Siddappa K. Distribution of Po-210 in the Environment of coastal Karnataka. 11th National Symposium on Environment (11th NSE), Rajasthan College of Agriculture, Maharana Pratap University of Agriculture & Technology, Rajasthan, June 5-7, 2002.
45. Narayana Y, Shetty P K and Siddappa K. Natural radioactivity in high background areas of coastal Kerala, National seminar on new horizons in environmental science and engineering in India, Bangalore University, Bangalore, Nov. 17-19, 2004.
46. Rajashekara K M, Narayana Y, Karunakara N and Siddappa K. Transportation and behaviour of Po-210 in riverine environs of coastal Karnataka, National seminar on new horizons in environmental science and engineering in India, Bangalore University, Bangalore, Nov. 17-19, 2004.
47. Rajashekara K M, Narayana Y and Siddappa K. Concentration of ^{210}Po and ^{210}Pb in major rivers of coastal Karnataka, National Conference on Synergic Solutions for Sustainable Development, National Institute of Technology, Suratkal, Dec. 28-30, 2005.
48. Navin N B, Narayana Y, Boja Poojary, Upadhyaya V and Narayana Poojary K. Electro-optic and nonlinear studies of some new organic compounds, National Conference on Chemical Sciences for Industry and Society, Kuvempu University, Shimoga, Jan. 6 - 8, 2006
49. Narayana Y, Prakash V and Siddappa K. Vertical profiles of ^{210}Po in monazite areas of coastal Karnataka, Proc. National Symposium on Radiation Physics (16th NSRP), Meenakshi College for Women, Chennai, Jan. 18-20, 2006.
50. Rajashekara, K M., Narayana, Y and Siddappa, K. ^{210}Po and ^{210}Pb concentrations in Netravathi river ecosystem of coastal Karnataka. Proc. National Conference on Emerging trends in Physics, Electronics and Engineering Sciences, JSS College, Mysore, India, September 25-26, 2006.
51. Narayana, Y and Prakash, V. Natural radionuclides and trace elements in monazite areas of coastal Karnataka. Proc. National Conference on Emerging trends in Physics, Electronics and Engineering Sciences, JSS College, Mysore, India, September 25-26, 2006.
52. Prakash, V and Narayana, Y. Distribution of ^{210}Po in the environment of Mangalore. Proc. National Conference on Emerging trends in Physics, Electronics and Engineering Sciences, JSS College, Mysore, India, September 25-26, 2006.

53. Santhosh Acharya, Ganesh, N.N. Bhat and Y. Narayana. Induction of micronucleus in cytokinesis-blocked human blood lymphocytes induced by 8 MeV electrons. Proc. Indian Particle Accelerator Conference (InPAC), BARC, Mumbai, November 1 – 4, 2006.
54. Prakash, Vand Narayana, Y. Measurement of alpha activity in environmental samples. Symposium on Radiation sources, Detection and Applications, Punjabi University, Patiala, India, February 05-06, 2007.
55. Rajashekara, K M., Narayana, Y., Ganesh, S and Siddappa, K. Seasonal variation of natural radioactivity in the environs of Sharavathi River. Proc. National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.
56. Narayana, Y., Rajashekara, K M and Siddappa, K. Speciation of ^{210}Po and ^{210}Pb in riverine environs. Proc. National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.
57. National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.
58. Narayana, Y and Shetty, P K. Enrichment and XRD study of black sands of high background radiation area. Proc. National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.
59. Narayana, Y and Prakash, V. Activity Ratio of ^{210}Po and ^{210}Pb in Monazite Areas of Coastal Karnataka. Proc. National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.
60. Rajashekara, K M., Narayana, Y., Ganesh Sanjeev and Siddappa, K. Radiation dose due to dissolved uranium in river water of major rivers of coastal Karnataka. Proc. Fifteenth National Symposium on Environment, Bharathiar University, Coimbatore, June 5-7, 2007.
61. Shetty P K and Narayana, Y. Radioactivity in riverine environment of coastal Kerala and evaluation of radiation hazard. Proc. Fifteenth National Symposium on Environment, Bharathiar University, Coimbatore, June 5-7, 2007.
62. Prakash V, Narayana Y Concentration of Natural Radionuclides in the Environment of Mangalore. Proceedings of the Fifteenth National Symposium on SSNTDs (SSNTD-15), Department of Physics, H.N.B. Garhwal University, Uttaranchal, June 21 - 23, 2007.
63. Prakash V, Narayana Y Trace Element Concentration in Monazite Areas of Coastal Karnataka. School on Trace Analysis (TRACE – 07), SINP, Kolkotta, October 3 - 13, 2007.
64. Narayana Y, Rajashekara K M, Ganesh Sanjeev and Siddappa K, Transport of ^{210}Po and ^{210}Pb in the riverine environs, Seventeenth National Symposium on Radiation Physics (NSRP – 17), SINP, Kolkotta, November 14 – 16, 2007.
65. Prakash V, Narayana Y Activity ratio of ^{210}Po and ^{210}Pb in the environment. Seventeenth National Symposium on Radiation Physics (NSRP – 17), SINP, Kolkotta, November 14 – 16, 2007.

- 66.Santhosh Acharya, Ganesh Sanjeev, Bhat N N, Siddappa K and Narayana Y. Dose rate effect on the micronucleus yield in human blood lymphocytes exposed to pulsed electron beam. Seventeenth National Symposium on Radiation Physics (NSRP-17), SINP, Kolkotta, November 14 – 16, 2007.
- 67.Prakash V, Narayana Y and Balakrishna K M, Bioindicators for impact assessment, Regional Workshop on Environmental Engineering, Visva Bharathi, Santhiniketan, West Bengal, January 19-20, 2008.
- 68.DAE-BRNS theme meeting Radon-2008 on Advances in the methods of assessment of exposure due to radon, thoron and their decay products, BARC, Mumbai, March 11-13, 2008. Prakash V, Deb S B, Saxena M K, Nagar B K, Ramakumar K L, Balakrishna K M and Narayana Y, Study of trace element concentration in medicinal plants by ICP-MS, Proc. International Conference on Radiation Biology and Translational Research in Radiation Oncology, University of Rajasthan, Jaipur, Nov. 10-12, 2008
- 69.Rajashekara K M, Narayana Y, Ganesh Sanjeev, Shetty P K and Balakrishna K M, Estimation of age dependent doses due to intake of uranium through drinking water, Proc. International Conference on Radiation Biology and Translational Research in Radiation Oncology, University of Rajasthan, Jaipur, Nov. 10-12, 2008.
- 70.Shetty P K, Narayana Y and Rajashekara K M, Vertical profiles of ^{210}Po in soils of costal Kerala, Proc. International Conference on Radiation Biology and Translational Research in Radiation Oncology, University of Rajasthan, Jaipur, Nov. 10-12, 2008.
- 71.Santhosh Acharya, Bhat N N, Praveen Joseph, Ganesh Sanjeev, Sreedevi B and Narayana Y, Effects of single and multiple pulses of electrons on human blood lymphocytes, Proc. International Conference on Radiation Biology and Translational Research in Radiation Oncology, University of Rajasthan, Jaipur, Nov. 10-12, 2008.
- 72.Santhosh Acharya, Praveen Joseph, Ganesh Sanjeev, Narayana Y and Bhat N N. Effects of Pulsed electron beam on cell killing. Proc. of Indian Particle Accelerator Conference (InPAC), RRCAT, Indore, Feb.10 – 13, 2009.
- 73.Navin N.Bappalige, Narayana Y, Boja.Poojary and Narayana.Poojary K, Effect of dipolar association of bromine on non-linear properties of m-nitro aniline. Proc. 38th National Seminar on Crystallography, Mysore University, Feb. 11-13, 2009.
- 74.Narayana Y, Navin N.Bappalige, Boja.Poojary and Narayana.Poojary K, Variation of SHG property and particle size fraction. Proc. National Seminar on Nanoscience and Technology, Fatima Mata National College, Kollam, March 23-25, 2009.
- 75.Narayana Y, Radioactivity in high background areas of coastal Kerala, Proc. National Conference on Accelerator and Low Level Radiation Safety, Inter University Accelerator Centre, New Delhi, November 18-20, 2009.
- 76.Rajashekara K M and Narayana Y, Radioactivity and hazards of riverine samples of coastal Karnataka, Proc. National Conference on Accelerator and Low Level Radiation Safety, Inter University Accelerator Centre, New Delhi, November 18-20, 2009.

77. Rajashekara K M and Narayana Y, Weathering of rocks and transport of radionuclides through rivers, Proc. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, 2009.
78. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, 2009.
79. Shetty P K and Narayana Y, Variation of activity of Radionuclides with depth, Proc. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, 2009.
80. Narayana Y and Prakash V, Radioactivity in soil and resultant radiation hazards Proc. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, energy electron beam on yeast cells under euoxic and hypoxic condition, Proc. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, 2009.
81. Santhosh Acharya, Praveen Joseph, Bhat N N, Ganesh Sanjeev and Narayana Y, Electron irradiation effects on survival response and gene conversion in *Saccharomyces cerivisiae* D7 cells, Proc. Eighteenth National Symposium on Radiation Physics (NSRP-18), Mohanlal Sukhadia University, Udaipur, November 19 – 21, 2009.
82. Narayana Y and Navin N. Bappalige, Effect of dipolar association of bromine on non-linear properties of m-nitro acetanilide, Proc. International Conference on Recent Trends in Materials and Characterisation, National Institute of Technology Karnataka, Surathkal, February 14-15, 2010.
83. Sathyanarayana Bhat P, Primal D'Cunha and Narayana Y, Measurement Of An Alpha Active ^{210}Po In Indian Cement Samples, Second International Conference on Application of Radiotracers in Chemical, Environmental and Biological Sciences, Saha Institute of Nuclear Physics, Kolkotta, November 7 – 13, 2010.
84. Second International Conference on Application of Radiotracers in Chemical, Environmental and Biological Sciences, Saha Institute of Nuclear Physics, Kolkotta, November 7 – 13, 2010.
85. Primal D'Cunha and Narayana Y, Assessment of Polonium Activity in Monazite Sands along High Background Areas of Coastal Kerala, 7th International Conference on High Levels of Natural Radiation and Radon Areas (7HLNRRA), Mumbai, November 24-26, 2010.
86. Praveen Joseph, Abhay Puthali, Bhat N N, Ganesh Sanjeev and Narayana Y, Assessment of Radiation Induced Cytogenetic Damages in Human Keratinocytes by Comet Assay, 7th International Conference on High Levels of Natural Radiation and Radon Areas (7HLNRRA), Mumbai, November 24-26, 2010.
87. Sathyanarayana Bhat P and Narayana Y, Modification of Radionuclide Contents in Building Materials due to Technological Activities, 7th International Conference on High Levels of Natural Radiation and Radon Areas (7HLNRRA), Mumbai, November 24-26, 2010.

88. Narayana Y and Navin N Bappalige, Electrical and non-linear optical properties of novel organic materials, 55th DAE-Solid State Physics Symposium, Manipal University, Manipal, December 26-30, 2010.
89. Praveen Joseph, Bhat N N, Santra S, Thomas R G, Gupta S K and Narayana Y, Assessment of DNA damage induced on tumor cells by Proton beam from Folded Tandem Ion accelerator, International Symposium on Accelerator and Radiation Physics, Saha Institute of Nuclear Physics, Kolkotta, February 16 – 18, 2011.
90. Rajashekara K M, Prakash V and Narayana Y, Statistical analysis and effect of physico-chemical parameters on radionuclides in soil and sediment of Sharavathi river, International Symposium on Accelerator and Radiation Physics, Saha Institute of Nuclear Physics, Kolkotta, February 16 – 18, 2011.
91. Prakash V, Rajashekara K M and Narayana Y, Identification of bioindicators for impact assessment in the environment of Mangalore, coastal Karnataka, International Symposium on Accelerator and Radiation Physics, Saha Institute of Nuclear Physics, Kolkotta, February 16 – 18, 2011.
92. Praveen Joseph, Bhat N N and Narayana Y, Damage of DNA molecules due to radiation induced reactive oxygen species, 2nd DAE-BRNS Symposium on Atomic, Molecular and Optical Physics, Karnatak University, Dharwad, February 22-25, 2011.
93. Narayana Y and Navin N Bappalige, Growth and characterisation of a new chalcone and its comparison of NLO property with related chalcone crystals, International Conference on Advanced Materials and its Applications (ICMA-2011), Kalasalingam University, Tamil Nadu, March 4-5, 2011.
94. Navin N Bappalige and Narayana Y, Study of conductivity and nonlinear optical properties of new organic material, International Conference on Advanced Materials and its Applications (ICMA-2011), Kalasalingam University, Tamil Nadu, March 4-5, 2011.
95. Narayana Y and Navin N Bappalige, Study of conductivity and non-linear optical properties in new organic crystal, National Conference on Recent Advances in Material Science (RAMS-2011), M S Ramaiah Institute of Technology, Bangalore, December 12-14, 2011.
96. Narayana Y and Navin N Bappalige, Second harmonic conversion efficiency of three new organic crystals by Nd:YAG laser – A comparative study, DAE-BRNS National Laser Symposium (NLS-20), Anna University, Chennai, January 9-12, 2012.
97. Navin N Bappalige, Narayana Y, Manjunatha K B and Umesh G, Third harmonic and structural study of 4-bromo 2-nitroaniline, a new NLO organic material, DAE-BRNS National Laser Symposium (NLS-20), Anna University, Chennai, January 9-12, 2012.
98. Rajashekara K M, Prakash V and Narayana Y, Grain size distribution of ²²⁶Ra, ²³²Th and ⁴⁰K activity in sediments of Netravathi river, 30th Indian Association for Radiation Protection Conference, Mangalore University, March 15-17, 2012.
99. Praveen Joseph, Narayana Y, Rajesha Nairy, Ganesh Sanjeev and N. N Bhat, Assessment of electron beam induced DNA damage in human peripheral blood by alkaline comet

assay: A tool for bio-dosimetry, 30th Indian Association for Radiation Protection Conference, Mangalore University, March 15-17, 2012.

100. Primal D'Cunha, Narayana Y, Karunakara N, Yashodhara I and Sudeep Kumar, Concentration of ²²²Rn in drinking water along coastal Kerala and evaluation of ingestion dose, 30th Indian Association for Radiation Protection Conference, Mangalore University, March 15-17, 2012.
101. Praveen Joseph, Bhat N N, Santra S, Thomas R G, Gupta S K and Narayana Y, Proton radiation: A tool for radiotherapy, National Seminar on Applications of Isotopes and Radiation Technology for Societal Benefits, Bangalore University, June 21-23, 2012.
102. Narayana Y and Navin N Bappalige, Umesh G and Manjunatha K B, Second and Third harmonic conversion efficiency of two new organic crystals by
a. Nd: YAG laser – A comparative Study, International Conference on Recent Advances in Material Sciences (RAMS-2012), Karnataka State Higher Education Council, Bangalore, November 6 – 8, 2012.
103. Narayana Y Praveen Joseph, Rajesha Nairy and Ganesh Sanjeev, Measurement of absorbed dose and dose distribution of electron beam from microtron accelerator, 19th National Symposium on Radiation Physics (NSRP-19), Mamallapuram, Chennai, Dec. 12-14, 2012.
104. Navin N Bappalige and Narayana Y, Dielectric and Mechanical Properties of Two New Organic NLO Crystals, National conference on condensed matter physics and applications, Manipal Institute of Technology, Manipal, Dec. 27-28, 2012.
105. Rajesha Nairy K, Narayana Y, Praveen Joseph, Ganesh Sanjeev and Nagesh N Bhat, Evaluation of 8 MeV electron beam induced DNA damage in human peripheral blood lymphocytes using alkaline comet assay and acellular comet assay, National conference on current perspectives on environmental mutagenesis and environmental health, Bhabha Atomic Research Centre, Mumbai, Jan- 28-30, 2013.
106. Narayana Y and Venunathan N, Distribution of ²¹⁰Pb in the riverine environs of Coastal Kerala, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
107. Primal D'Cunha and Narayana Y, Spatial and depth variation of ²¹⁰Po and ²¹⁰Pb in monazite sand along HBRA of coastal Kerala, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
108. Narayana Y and Primal D'Cunha, Spatial variation and vertical profiles of ²¹⁰Po and ²¹⁰Pb in monazite sands in High Background Radiation Areas of coastal Kerala, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
109. Rajashekara K M, Prakash V and Narayana Y, Activity concentration of ²¹⁰Po and ²¹⁰Pb, its contribution to the radiation dose and distribution coefficient in aquatic ecosystem of major rivers of coastal Karnataka, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.

110. Prakash V, Rajashekara K M and Narayana Y, Distribution and enrichment of ^{210}Po and ^{210}Pb in the environment of Mangalore, South west coast of India, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
111. Prakash V, Rajashekara K M and Narayana Y, A study on accumulation of ^{210}Po in Ayurvedic medicinal plants in the environment of Mangalore, South west coast of India, 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
112. Narayana Y and Navin N Bappalige, Dielectric and conductivity properties of two new organic crystals, National conference on smart materials and technologies for emerging electronics, Mangalore Institute of Technology and Engineering, Mangalore, March 8-9, 2013.
113. Narayana Y, Rajesha Nairy K, Praveen Joseph and Ganesh Sanjeev, Studies on variation of relative biological effectiveness using 8 MeV pulsed electron beam using Microtron accelerator, International Conference on Radiation Biology and Clinical Applications, K S Hegde Medical Academy, Mangalore, October 25-27, 2013.
114. Rajesha Nairy K, Anjaria K B, Nagesh N Bhat and , Narayana Y, Study of Variation of Oxygen Enhancement Ratio with Radiation dose using *Saccharomyces cerevisiae*, International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
115. Praveen Joseph, Rajesha Nairy, Ganesh Sanjeev, Y Narayana, Dosimetry for Electron Beam from Microtron Accelerator using Chemical Dosimeters, International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
116. Praveen Joseph, N.N. Bhat and Y. Narayana, Gamma Radiation Induced Reactive Oxygen Species and DNA Damages in HaCat Cells under Euoxic and Hypoxic Condition, International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
117. Primal Pinto and Y. Narayana, Seasonal variation of natural radionuclides in beach placer of Chavara, Kerala, International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
118. S Acharya, N.N Bhat, G. Sanjeev and Y. Narayana, Assessment of Multiple Micronuclei Induced by 7 MV Electrons at Various Dose Rates Per Pulse, International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
119. Rajesha K Nairy, Nagesh N Bhat, Kshiti B Anjaria, Usha Yadav, Rajesh Kumar Chaurasia, Sreedevi Balakrishnan and Narayana Y, Radiation induced cell inactivation and gene conversion studies using 3 Mev proton beams from folded tandem ion accelerator. 31st IARP National Conference on Advances in Radiation Measurement Systems and Techniques (IARPNC-14), BARC, Mumbai, March 19-21, 2014.

120. Rajesha K Nairy, Nagesh N Bhat, Kshiti B Anjaria, Usha Yadav and Narayana Yerol., Relative Biological Effectiveness studies using 3 MeV proton beam from Folded Tandem Ion Accelerator, National conference on Current trends in scientific research for engineering application (NCSEA-2014), St. Joseph Engineering College, Mangalore, Karnataka, July 17 -18, 2014.
121. Saritha Suvarna, Rajesha Nairy, Ganesh Sanjeev and Narayana Y, Protective effect of caffeine against Radiation induced cytotoxicity in yeast strains, International conference on Polymeric Biomaterials, Bioengineering & Biodiagnostics, Indian Institute of Technology, New Delhi, October 27-30, 2014.
122. Saritha Suvarna, Rajesha K Nairy, Ganesh Sanjeeva and Narayana Y., Protective effect of caffeine against radiation induced cytotoxicity and genotoxicity in yeast strains. International conference on Radiation Biology-Frontiers in Radiobiology : Immunomodulation, Countermeasures & Therapeutics (ICRB-2014), INMAS, Delhi, November 11-13, 2014.
123. Y Narayana, Rajesha K Nairy and Ganesh Sanjeev., Variation of oxygen enhancement ratio with radiation dose studies using 8 MeV electron beam. International conference on Radiation Biology-Frontiers in Radiobiology : Immunomodulation, Countermeasures & Therapeutics (ICRB-2014), INMAS, Delhi, November 11-13, 2014.
124. Rajesha K Nairy, Nagesh N Bhat, Kapil Shirsath, Utkarsha Desai, Usha Yadav, Kshiti B Anjaria, Sreedevi Balakrishnan and Narayana Yerol., Dose response study using micronucleus cytome assay - useful tool for biodosimetry application. International conference on Radiation Biology-Frontiers in Radiobiology : Immunomodulation, Countermeasures & Therapeutics (ICRB-2014), INMAS, Delhi, November 11-13, 2014.
125. Rajesha K Nairy, Nagesh N Bhat, Utkarsha Desai, Kapil Shirsath, Usha Yadav, Kshiti B Anjaria, Sreedevi Balakrishnan and Narayana Yerol., Estimation of high radiation dose during accidental exposure using calyculin- A induced premature chromosome condensation assay. International conference on Radiation Biology-Frontiers in Radiobiology : Immunomodulation, Countermeasures & Therapeutics (ICRB-2014), INMAS, Delhi, November 11-13, 2014.
126. International Intradisciplinary Conference on the Frontiers of Crystallography (IICFC-2014), Field Marshal K M Cariappa College, Madikeri, December 29-30, 2014.
127. Rajesha K Nairy, Nagesh N Bhat and Narayana Yerol., Studies on biological effects of 3 MeV proton radiations and estimation of relative biological effectiveness, National seminar on Radiation and Environment, St. Philomena college, Puttur, Karnataka, February 5-6, 2015.
128. Narayana Y, Studies on radiation level and enrichment of radionuclides along coastal Kerala, National seminar on Radiation and Environment, St. Philomena college, Puttur, Karnataka, February 5-6, 2015.
129. Kaliprasad C S and Narayana Y, Distribution of ^{210}Po in Hemavathi Riverine Environment, National seminar on Radiation and Environment, St. Philomena college, Puttur, Karnataka, February 5-6, 2015.

130. Jagadeesha B G and Narayana Y, Radium and radon exhalation rate in soil samples of Hassan district of south Karnataka, Radiation awareness and detection in natural environment (RADNET-1), HNB Garhwal University, Tehri Garhwal, Uttarakhand, June 15-17, 2015.
131. Kaliprasad C S and Narayana Y, Distribution of ^{210}Po in Hemavathi Riverine Environment, Radiation awareness and detection in natural environment (RADNET-1), HNB Garhwal University, Tehri Garhwal, Uttarakhand, June 15-17, 2015.
132. Narayana Y and Kali Prasad C S, Radon exhalation and natural radionuclides level in sediment of Cauvery riverine environment, Radiation awareness and detection in natural environment (RADNET-1), HNB Garhwal University, Tehri Garhwal, Uttarakhand, June 15-17, 2015.
133. Venunathan N, Kaliprasad C S and Narayana Y, Natural Radioactivity in sediments and river bank soil of Kallada river of Kerala, South India and associated radiological risk, Radiation awareness and detection in natural environment (RADNET-1), HNB Garhwal University, Tehri Garhwal, Uttarakhand, June 15-17, 2015.
134. Jagadeesha B G and Narayana Y, Radium and radon exhalation rate in soil samples of Hassan district of south Karnataka, Radiation awareness and detection in natural environment (RADNET-1), HNB Garhwal University, Tehri Garhwal, Uttarakhand, June 15-17, 2015.
135. Kaliprasad C S and Y Narayana, Dependence of magnetic mineralogy and physico-chemical parameters on the behavior of natural radionuclides in riverine ecosystem, International Conference on Materials Science and Ionising Radiation Safety and Awareness, Shivaji University, Kolhapur, January 28-30, 2016.
136. Prakash M M, Kali Prasad C S and Narayana Y, Study on distribution of ^{210}Po radionuclides in soils of Virajpet taluk, Coorg district, Karnataka, International Conference on Materials Science and Ionising Radiation Safety and Awareness, Shivaji University, Kolhapur, January 28-30, 2016.
137. Narayana Y and Kaliprasad, C S, Speciation and behavior of ^{210}Po and ^{210}Pb in the riverine ecosystem of Cauvery, a major river of south India, International Conference on Materials Science and Ionising Radiation Safety and Awareness, Shivaji University, Kolhapur, January 28-30, 2016.
138. Jayarama A, Navin N Bappalige, Karthikeyan M S and Narayana Y, Comparative structural Elucidation of a novel non-linear optical single crystal, International Conference on Smart Materials and Technologies for Emerging Electronics (IC-SMTEE-2016), Sahyadri College of Engineering and Management, Mangalore, February 19-20, 2016.
139. Navin N Bappalige, Narayana Poojary K and Narayana Y, Effect of dipolar association of bromine on non-linear properties of benzoic acid, International Conference on Smart Materials and Technologies for Emerging Electronics (IC-SMTEE-2016), Sahyadri College of Engineering and Management, Mangalore, February 19-20, 2016.
140. Kaliprasad C S and Y Narayana, Studies on radioactivity and risk assessment in the riverine

environs of Cauvery, International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment (IARPIC-2016), Indira Gandhi Centre for Atomic Research, Kalpakkam, February 22-25, 2016.

141. Prakash M M, Kaliprasad C S and Y Narayana, Studies on natural radioactivity in rocks of Coorg district, Karnataka state, India, International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment (IARPIC-2016), Indira Gandhi Centre for Atomic Research, Kalpakkam, February 22-25, 2016.
142. Narayana Y and Kaliprasad C S, Speciation and behavior of ^{210}Po and ^{210}Pb in the riverine ecosystem of Hemavathi, a major river of south India, International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment (IARPIC-2016), Indira Gandhi Centre for Atomic Research, Kalpakkam, February 22-25, 2016.
143. Rajesha K Nair, Nagesh N Bhat, Saritha Suvarna, Ganesh Sanjeev and Narayana Yerol, Construction of dose response calibration curves for nucleoplasmic bridges for Microtron accelerator, International Conference on Radiological Safety in Workplace, Nuclear Facilities and Environment (IARPIC-2016), Indira Gandhi Centre for Atomic Research, Kalpakkam, February 22-25, 2016.
144. Kaliprasad, C.S., Narayana, Y., Natural radionuclides and radon exhalation rate in the soils of Cauvery river basin, ICEMS-2016 organized by JNU JAIPUR, March 17-19, 2016.
145. Kaliprasad, C.S., Narayana, Y., Seasonal variation of ^{210}Pb in the soil and sediment of Hemavathi river, ICRB-2016 organized by CENR, SRM University, Nov 9-11, 2016.
146. Narayana, Y., Kaliprasad, C.S., Distribution of radionuclides in Hemavathi river basin soils and risk assessment, ICRB-2016 organized by CENR, SRM University, Nov 9-11, 2016.
147. Sunil K C, Saritha Suvarna, Rajesha Nair and Narayana Yerol, 'Cytotoxicity Studies of Superparamagnetic Nanoparticles using Alkaline Comet Assay'. International Conference on Radiation Biology (ICRB-16), 09-11 November 2016, SRM University, Chennai.
148. Saritha Suvarna, Sunil K C, Rajesha Nair and Narayana Yerol, 'Cytotoxicity Studies of Functionalized Gold Nanoparticles Using Yeast Comet Assay'. International Conference on Radiation Biology (ICRB-16), 09-11 November 2016, SRM University, Chennai.
149. Kaliprasad, C.S., Narayana, Y., Studies on the distribution of radionuclides and clay minerals in the soils of Cauvery river basin, NUCAR-2017, organized by BRNS and KIIT University, Bhubaneswar, February 6-10, 2017.
150. Narayana, Y., Kaliprasad, C.S., Assessment of radiological hazards due to radionuclides present in the sediments of Hemavathi river, NUCAR-2017, organized by BRNS and KIIT University, Bhubaneswar, February 6-10, 2017.
151. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, NLO AND OPTICAL PROPERTY OF NEW SYNTHESIZED CHALCONE COMPOUND (2E)-1-

(4'-BROMOBIPHENYL-4-YL)-3-(4-CHLOROPHENYL)PROP-2-EN-1-ONE',
National Conference on Recent Advances in Applied Sciences, AMC Engineering College,
Bangalore, April 26, 2016.

152. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, 'SHG, UV SPECTROSCOPY AND XRD STUDY OF A NEW ORGANIC CHALCONE CRYSTAL (2E)-1-(4'-BROMOBIPHENYL-4-YL)-3-(2,6-DICHLOROPHENYL)PROP-2-EN-1-ONE' *National Conference on Recent Advances in Applied Sciences*, AMC Engineering College, Bangalore, April 26, 2016.
153. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Synthesis, optical, Crystal Structure Studies and spectral Characterization of Novel crystal (2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dichlorophenyl)-3-hydroxypropan-1-one, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
154. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, synthesis and characterization of (2E)-1-(4'-bromobiphenyl-4-yl)-3-(3,4-dichlorophenyl)-3-hydroxypropan-1-one, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
155. Saritha Suvarna, Sunil K C and Narayana Y, Radiosensitization effect of novel glucose capped gold nanoparticles using gamma irradiation, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
156. Sunil K C, Saritha Suvarna, Rajesh Nairy, Mustak M S, Ganesh S and Narayana Y, An overview of application of magnetic nanoparticles in radiotherapy, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
157. Rajesha K Nairy, Nagesh N Bhat and Narayana Yerol, Variation of relative biological effectiveness with radiation dose studies using 3 MeV proton radiations, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
158. Jagadeesha B G, Narayan Y, Sudarshan M and Shamayita Banerjee, ED-XRF spectrometric technique of distribution of Trace elements in soils in the highly mineralized Areas of Hassan District of south India, *National Conference on Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
159. Prakash, M.M., Kaliprasad, C.S., Narayana, Y., Assessment of Radiological hazard indices in soils of Somwarpet taluk, Coorg District, PAIR, organised by Department of Physics, Mangalore University, April 11-13, 2017.
160. Prakash, M.M., Kaliprasad, C.S., Narayana, Y., Distribution of Natural radionuclides in the soils of Virajpet taluk, Coorg District, PAIR, organised by Department of Physics, Mangalore University, April 11-13, 2017.
161. Narayana Y and Kaliprasad C S, Seasonal variation of Radionuclides in the Riverine environs of South Karnataka, *National Conference on Particle Accelerators for*

Interdisciplinary Research, Mangalore University, April 11-13, 2017.

162. Venunathan N, Kaliprasad C S and Narayana Y, Natural radionuclides and associated dose rates in the Periyar river environment of Kerala, South India, National Conference on *Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
163. Kaliprasad C S and Narayana Y, Radon exhalation rate in soil and sediment of Hemavathi River environment, National Conference on *Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
164. Divya P V, Pranav K P, Prakash V and Narayana Y, Study on enrichment of radionuclides in coastal environment of Kerala, National Conference on *Particle Accelerators for Interdisciplinary Research*, Mangalore University, April 11-13, 2017.
165. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, Spectroscopy and xrd study of a new organic compound (2e)-1-(4'-bromobiphenyl-4-yl)-3-(3-4 dimethoxybenzaldehyde) prop-2-ene-1-one, NCST-RU 2017, Mangalore University, Sept, 8-9, 2017
166. Vinutha P R, Jayarama A, Kaliprasad C S, Narayana Y and Suresh Kumar M R, SHG, UV spectroscopy and XRD study of a new organic compound (2e)-1-(4'-bromobiphenyl-4-yl)-3-(2-methoxyphenyl) prop-2-ene-1-one, , NCST-RU 2017, Mangalore University, Sept, 8-9, 2017.
167. Sunil K. C., Saritha Suvarna, Rajesh Nairy, Jit Chatterjee, Mustak M. S., Narayana Y, 'Cytotoxicity study of glucose capped superparamagnetic zinc ferrite nanoparticles in normal cells using MTT assay'. National Conference on 'Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment' (NCSTRU-17). 08-09 September 2017, Mangalore University, Mangalagangothri.
168. Saritha Suvarna, Sunil K C, Rajesha Nairy, Jit Chatterjee, MS. Mustak and Y. Narayana, 'Cytotoxicity Study of Novel Glucose Capped Gold Nanoparticles in Normal Cells Using MTT Assay'. National Conference on 'Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment' (NCSTRU-17). 08-09 September 2017, Mangalore University, Mangalagangothri.
169. Rajesha K Nairy, Sunil K C, M.S. Mustak, Jit Chatterjee, Saritha Suvarna, Nagesh N Bhat, Usha Yadav, Kapil Shirsath, Utkarsha Desai, Rajesh Kumar chuarsia and Narayana Yerol, 'Dose Response Chromosomal Aberration Studies Using 3 Mev Proton Beam And Gamma Radiation'. National Conference on 'Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment' (NCSTRU-17). 08-09 September 2017, Mangalore University, Mangalagangothri.
170. Prakash, M.M., Kaliprasad, C.S., Narayana, Y., Seasonal variation of radon in environment of Virajpet taluk. National Conference on "Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological

Sciences for Energy, Health and Environment.” Organised by Faculty of Science and Technology, Mangalore University and The Indian Science Congress Association, Bangalore Chapter, September 8-9, 2017.

171. Prakash, M.M., Kaliprasad, C.S., Narayana, Y., Study of seasonal variation of outdoor radon in Somwarpet taluk, Coorg district. SSNTD-20. Organised by Department of Physics, Vidya Vikas College of Engineering, Mysore, October 26-28, 2017.
172. Prakash, M.M., Kaliprasad, C.S., Narayana, Y., Study of seasonal variation of indoor radon in Somwarpet taluk, Coorg district. SSNTD-20. Organised by Department of Physics, Vidya Vikas College of Engineering, Mysore, October 26-28, 2017.
173. Kaliprasad C S, Vinutha P R, Prakash M M, Venuanathan N and Y Narayana Dependence of magnetic susceptibility and clay minerals on the behavior of natural radionuclides in riverine ecosystem of South Karantaka, NSRP-21 National symposium on Radiation Physics, organised by DAE-BRNS at RRCAT, Indore, March 5-7, 2018.
174. M M Prakash, Kaliprasad C.S, Y Narayana, Distribution of ^{210}Po in soils of Madikeri taluk of Coorg district in South India. NSRP-21 National symposium on Radiation Physics organised by DAE-BRNS at RRCAT, Indore, March 5-7, 2018.
175. Divya P V, Kaliprasad C S , Prakash V and Narayana Y, Seasonal variation of Radionuclides Concentration in sand samples collected from southern Coastal Areas of Kerala, India. NSRP-21 National symposium on Radiation Physics organised by DAE-BRNS at RRCAT, Indore, March 5-7, 2018.
176. Vineet Kumar V, Kaliprasad C S, Prakash V and Narayana Y, Nadira Mahamood K, Determination of natural radionuclides in sediments samples along the coastal environment of Kerala. NSRP-21 National symposium on Radiation Physics, organised by DAE-BRNS at RRCAT, Indore, March 5-7, 2018.
177. K. M. Rajashekara, V. Sanjay, V. Prakash, Y. Narayana, Seasonal variation of natural radionuclides in the environs of Kali river by gamma ray spectrometer. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
178. Narayana Y, Radiation level and radionuclide distribution in high background areas of coastal Kerala. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
179. Vineethkumar V, Nadira Mahamood K, Divya P V, Kaliprasad C S, Narayana and Prakash V, Natural radioactivity level in soil samples in the environment of Akalad, Thrissur District, Kerala. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
180. Rajashekara K M, Sanjay V, Prakash V, and Narayana Y, Seasonal variation of natural radionuclides in the environs of Kali river by gamma ray spectrometer. National conference on Radiation Physics and its applications in material science and medicine

(NRM - 2018), Government College for Women, Kolar, April 6th, 2018.

181. Prafulla K. K., Shrinidhi Kini, Kaaliprasad C S, and Narayana Y, Gamma Dose Measurements in and around Thermal Power Station, Udupi. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
182. Prakash V, Rajashekara K M and Narayana Y, Assessment of Radiation Hazards due to Natural Radionuclides. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
183. Thejaswi K B, Sushmitha S S, Kaaliprasad C S, Narayana Y, Distribution of natural Radionuclides in soils of coorg district of Karnataka, Inida. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
184. Kaaliprasad C S and Narayana Y, Seasonal variation of radon activity in soils of riverine environs of south Karnataka. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
185. Vineeth P, Sushma K S, Kaaliprasad C S and Narayana Y, Determination of bulk etching rate of LR-115 SSNTD films. National conference on Radiation Physics and its applications in material science and medicine (NRM - 2018), Government College for Women, Kolar, April 6th, 2018.
186. Kaaliprasad C.S, Kamalakara V D and Narayana Y, Assessment of radiological risk from construction materials in Mangalore of coastal Karnataka. International conference on radiation biology (ICRB-2018), K S Hegde medical college, Kshema Campus, Mangalore, October 4-6 2018.
187. Narayana Y, Kaliprasad C S, Pavithra A, Poornima, Vinutha P and Lokesh N, Distribution of Radionuclides in Kodachadri hills of western ghat, International conference on radiation biology (ICRB-2018), K S Hegde medical college, Kshema Campus, Mangalore, October 4-6 2018.
188. Narayana Y, Kaliprasad C S, Surabhi P P , Snehalatha T H , Vinutha P R, Kamalakara V D and Sandesh Achari, Distribution of radionuclides in medicinal plants of Shimoga district of Karnataka, International conference on radiation biology (ICRB-2018), K S Hegde medical college, Kshema Campus, Mangalore, October 4-6 2018.
189. Narayana Y, Kaliprasad C S, Surabhi P P , Snehalatha T H , Vinutha P R and Malleshikavasara, Distribution of radionuclides in medicinal plants of Uttara Kannada District in Coastal Karnataka International conference on radiation biology (ICRB-2018), K S Hegde medical college, Kshema Campus, Mangalore, October 4-6 2018.
190. Chethan G, Sunil K C, Rajesha Nair, Jit Chatterjee, Mustak M and Narayana Y, Synthesis and cytotoxicity study of Manganese Ferrite superparamagnetic nanoparticles, International conference on radiation biology (ICRB-2018), K S Hegde medical college,

Kshema Campus, Mangalore, October 4-6 2018.

191. Chethan G, Sunil K C, Sandesh Achary, Malleshi Kavasara and Narayana Y, Extraction of fibers from Unripe, Ripe and Dried areca husk southern Shimoga region on the western ghats, International conference on Advanced Functional Materials for Energy, Environment and health care (AFMEEHC-2019), Vijnan Bhavan, University of Mysore, Mysore March 18-20 2019.
192. Sunil K.C., Saritha suvarna, Rajesh Nairy, Chethan G, Jit Chatterjee, Mustak M. S., Narayana Y, Cytotoxicity study of superparamagnetic iron oxide nanoparticles in normal cells using MTT Assay International conference on Advanced Functional Materials for Energy, Environment and health care (AFMEEHC-2019), Vijnan Bhavan, University of Mysore, Mysore March 18-20 2019.
193. Sunil K C, Chethan G, Saritha Suvarna, Rajesha K Nairy, Mustak M S, Jit Chatterjee, and Narayana Yerol*, Synthesis and Characterization of Biocompatible $\text{Zn}_{0.4}\text{Co}_{0.6}\text{Fe}_2\text{O}_4$ Nanoparticles. International Conference on “Sustainable Urban Development, Resource Conservation and Food Security” (SURF-2019), Bearys Knowledge Campus, Bearys Institute of Technology, Mangalore, April 26-27 2019.
194. Sandesh Achari, Narayana Yerol, Vinutha P R, Kaliprasad C S, Prafulla and Shrinidhi Kini, Radiological hazards from construction materials in the vicinity of thermal power station, International conference on Sustainable urban development, resource conservation and food security (SURF-2019), Bearys knowledge campus, Mangalore, April 26-27 2019.
195. Preethy Augustine, Narayana Y and Nandakumar K, Enhancement of room temperature magneto-electric coupling effect in perovskite-spinel $(1-x)\text{BiFeO}_3-x\text{ZnFe}_2\text{O}_4$ nanocomposites, Materials Today Proceedings, International Conference on Laser Deposition, Alvas Institute of Engineering and Technology, Moodbidri, Nov.27-29, 2019.
196. Vinutha P R, Kaliprasad C S, Jyarama A and Narayana Y, Crystalline and optical properties of new synthesized chalcone compound (2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dichlorophenyl)prop-2-en-1-one, International Conference on Laser Deposition, Alvas Institute of Engineering and Technology, Moodbidri, Nov.27-29, 2019.
197. Chethan G, Sunil K C, Sandesh Achari, and Narayana Y, Determination of thermal conductivity of areca husk fiber by lee's disc method, 3rd International Conference on renewable energy and sustainable environment (RESE 2019), Dr mahalingam college of engineering and technology, Pollachi, Dec 12-14, 2019.
198. Preethy Augustine, Narayana Y and Nandakumar K, Influence of spinel ferrites in the modification of magneto-electric coupling effect in BiFeO_3 , International Conference on Science and Technology of Advanced Materials, Mar Athanasius College, Kothamangalam, Kerala, Jan.14-16, 2020.
199. Sandesh Achari, Vinutha P R Kaliprasad C S, and Narayana Y, Distribution of natural radionuclides in soil of udupi and associated radiological hazard parameters, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020), Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.

200. Malleshi Kavasara, Kaliprasad C S, and Narayana Y, Assessment of natural radioactivity in rocky areas of davanagere district of Karnataka India, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020), Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.
201. Kamalakar V Dawalekar, Kaliprasad C S, and Narayana Y, Natural radioactivity in soil of belagavi district in karnataka, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020) , Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.
202. Lokesh N, Kamalakar V D, Kaliprasad C S, and Narayana Y ,Distribution of natural radionuclides in rocks of dakshina kannada district karnataka, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020), Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.
203. Preethy Augustine, Narayana Y and Nandakumar K, BiFeO₃-MnFe₂O₄ Nanocomposite with multiferroic properties, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020), Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.
204. Vinutha P R, Sandesh Achari , Kaliprasad C S, Prafulla ,Shrinidhi Kini and Narayana Yerol,, Evalution of radiation levels around thermal power station to assess population dose, 2nd International conference on Sustainable urban development, resource conservation and food security (SURF-2020), Bearys knowledge campus, Mangalore, Aug 6-7-8, 2020.

Invited / plenary talks delivered:

1. National Seminar on 'Radiation and Environment', St. Philomena College, Puttur, February 5-6, 2015.
2. National Conference on 'Particle Accelerators in Inter-disciplinary Research' (PAIR), Mangalore University, April 11-13, 2017.
3. National Conference 'Radiation Physics and its Applications in Material Science and Medicine' (NRM-2018), Govt. College for Women, Kolar, April 6, 2018.
4. National Symposium on 'Nuclear and Radiochemistry' (NUCAR-2019), DAE convention centre, Mumbai, January 15-19, 2019.
5. International Conference on 'Advanced Functional Materials for Energy, Environment and Health Care', University of Mysore, Mysore, March 18-20, 2019.

Impact of publications:

h-index : 20

i10 index : 35

Citation index : Over 1300

Conferences / Seminars / Workshops / Symposia organized:

1. National Seminar on 'Inter-disciplinary Research: Challenges and Opportunities', Mangalore University, Oct. 18, 2016 (Convener).
2. Science Academies' Lecture workshop on Condensed and Soft Matter Physics, Mangalore University, February, 22-24, 2017 (coordinator).
3. National Conference on 'Particle Accelerators in Inter-disciplinary Research' (PAIR), Mangalore University, April 11-13, 2017 (Conference Chair).
4. International Conference on 'Recent Advances in Materials Science and Biophysics' (RAMSB), Mangalore University, January 23-25, 2018 (Convener).

Awards / Fellowship / Recognition:

1. Commonwealth Post-Doctoral Fellowship award (2000-2001), Association of Commonwealth Universities, UK.
2. International Man of the Millennium award (1999), conferred by International Biographical Centre, UK.
3. Wington Titular Fellowship award (2014), Association of Commonwealth Universities, UK.
4. Dr A K Ganguly Felicitation Prize (2016), Indian Association for Radiation Protection, India.
5. Best Teacher Award (2017), Mangalore University, Mangalagangothri.
6. Award for Research Publication (2018), Vision Group of Science and Technology, Govt. of Karnataka.
7. Best poster award(2016),RADNET, HNBBG University, Uttarakhand.
8. Prof. B C Haldhar Best technical paper award(2017),13th DAE-BRNS, International conference on NUCAR-2017, Bhubaneswar.
9. Best poster award(2018),National conference on radiation physics and its applications in materials science and Medicine, NRM-2018, Kolar.
10. Best paper award(2020), Second International Conference on Sustainable Urban development, Resource conservation and Food security, SURF-2020, Mangalore.

Membership of Professional Bodies

1. Chairman, Dept. of Studies in Physics, Mangalore University (2016-18).
2. Chairman, BoS (PG), Mangalore University (2018 onwards).
3. Chairman, BoS (UG), Mangalore University (2018 onwards).
4. Chairman, BoE, Mangalore University (2015-16, 2018-19).
5. Member, Board of Studies, University of Mysore.
6. Member, Board of Studies, Mangalore University.
7. Member, Board of Studies, SDM College, Ujire.
8. Member, Board of Examiners, Mangalore University.
9. Member, Board of Examiners, Kuvempu University.
10. Member, Board of Examiners, Karnatak University.
11. Member, Board of Examiners, Bangalore University.
12. Member, Board of Examiners, Manipal University.
13. Member, Board of Examiners, University of Kerala.
14. Member, Board of Examiners, Kannur University.
15. Member, Board of Examiners, University of Pune.
16. Member, Board of Examiners, Nitte University.
17. Member, Board of Examiners, Gulburga University.
18. Member, Board of Examiners, University of Western Cape, South Africa.
19. Member, Board of Examiners, University of Stellenbosch, South Africa.
20. Member, Science and Technology Committee, Mangalore University.
21. Member, Department of Studies in Physics, Mangalore University.
22. Member, Departmental Council, Mangalore University.
23. Life Member, Indian Society for Radiation Physics (NSRP).
24. Life Member, Indian Association of Radiation Protection.
25. Life Member, Geochemical Society of India.
26. Life Member, Association of British Scholars (ABS), Mangalore.
27. Life Member, Mangalore university Alumni Association (MAA), Mangalore.
28. Member, Coordinating Group on Environmental Radioactivity in the UK (COGER).
29. Member, Mangalore University Teachers' Association (MUTA).
30. Executive Committee Member, MUTA (2001-02).
31. Life Member, Indian Science Congress Association, ISCA (2017 onwards).
32. Executive Committee Member, ABS (2004-05).
33. Executive Committee Member, NSRP (2009-11).
34. Executive Committee Member, MAA (2012-13).
35. Secretary, ABS (2015-16).

Any other Information:

Attendance in Orientation and Refresher courses:

1. UGC sponsored Orientation Course, Goa University, May 10 - June 6, 2000.
2. UGC sponsored Refresher course in Physics, Mangalore University, April 15 - May 8, 1998.
3. UGC sponsored Refresher course in Physics, University of Kerala, July 14 - Aug. 3, 2004 (copy of the certificate enclosed).
4. UGC sponsored Refresher course in Physics, Sambalpur University, Sept. 8 - 28, 2004 (copy of the certificate enclosed).

Workshops/Seminars organised as member of organising committee:

1. Workshop on Environmental Radioactivity, Kaiga nuclear power plant site, Kaiga, April 16-18, 1990.
2. UGC sponsored workshop on Experimental Physics, Mangalore University, Feb. 21-24, 1994.
3. DST sponsored workshop on Atmospheric Sciences, Mangalore University, Aug. 30-31, 1994.
4. Workshop on Electronic Equipment Maintenance, Mangalore University, April 20-22, 1995.
5. Workshop on Langmuir-Blodgett Films and Their Applications, Mangalore University, Aug. 29-30, 1995.
6. International conference on R&D using Electron Accelerators, Mangalore University, Sept. 28-30, 1995.
7. National Seminar on 100 years of Radioactivity, Mangalore University, Dec. 30-31, 1996.
8. Microtron Users meeting, Mangalore University, Dec. 1997.
9. National Seminar on Energy Options - Nuclear Energy, Mangalore University, Feb. 22-23, 1999.
10. 13th National Seminar on Radiation Physics, Mangalore University, Dec. 21-23, 1999.
11. Workshop on Science and Technology for Sustainable Development, Mangalore University, Dec. 27-28, 1999.
12. Workshop for Microtron Users, Mangalore University, Oct. 24-25, 2001.
13. South Zone Youth Festival, Mangalore University, Jan. 5 - 9, 2002.
14. National Workshop on irradiation of food for quality upgradation, Mangalore University, Sept. 29, 2003.

15. Microtron Users Meeting, Mangalore University, 13 June 2003.
16. National Workshop on neutron production using accelerators and applications, Mangalore University, March 27, 2004.
17. Decennial celebrations of Microtron Centre and discussion meeting on R & D using Microtron facility, Mangalore University, Feb. 16-17, 2006.
18. National Workshop on Nuclear Data for Advanced Nuclear Systems, Nuclear Databases and Applications, Mangalore University, November 08-11, 2006.
19. Fourth Annual conference, Karnataka State Science and Technology Academy, Mangalore University, January 28-29, 2012.
20. 30th Indian Association for Radiation Protection Conference, Mangalore University, March 15-17, 2012.
21. 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
22. International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-14), Saha Institute of Nuclear Physics, Kolkata, Jan. 12-18, 2014.
23. Orientation Workshop on Radiation-Its Application in Physical, Chemical and Life Sciences, Department of Physics, Mangalore University, Mangalore, June 25-25, 2015.
24. National Conference on Particle Accelerators for Interdisciplinary Research, Mangalore University, April 11-13, 2017.
25. National Conference on 'Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment' (NCSTRU-17). 08-09 September 2017, Mangalore University.

Scientific Lectures delivered in other institutions:

1. Govt. Junior College, Kurnad, Mangalore: *X-rays*.
2. Govt. College, Kasaragod: *Radiation in the Environment*
3. Chinmaya College, Kasaragod: *Application of ionising radiation in medicine*.
4. University of Kerala: *High background radiation areas*
5. Sambalpur University: *Radioactivity*.
6. Excellent PU College, Moodbidri: *Science and Scientific thinking*.
7. S V S High School, Bantwal, Karnataka: *Radiation and Environment*.
8. University of Mysore: *Radiation sources and methods of measuring radioactivity in the environment*.
9. University of Mysore: *Physical basis of radiotherapy*.

Extension Activities

1. Organised inter-collegiate Elocution, Pick and speak and Quiz competition for college students as staff secretary of Physics Association.

2. Helped to organise 'Varnotsava' as part of 'Mangalotsava' in Mangalore as Executive Committee member of Association of British Scholars, Mangalore.

Editorial Board Membership:

1. Air, Soil and Water Research, Journal published by Libertas Academica.
2. Journal of Environmental and Earth Sciences, Journal published by Science Forecast

Chairing Scientific Sessions:

1. 2nd International conference on Po Pb isotopes (INCO-PoPb-2013), Mangalore University, Mangalore, Feb. 11-13, 2013.
2. International Conference on Radiation Biology and Clinical Applications, K S Hegde Medical Academy, Mangalore, October 25-27, 2013.
3. International Intradisciplinary Conference on the Frontiers of Crystallography (IICFC-2014), Field Marshal K M Cariappa College, Madikeri, December 29-30, 2014.
4. Orientation Workshop on Radiation-Its Application in Physical, Chemical and Life Sciences, Department of Physics, Mangalore University, Mangalore, June 25-25, 2015.

Refereeing in Journals:

1. Radiation and Environmental Biophysics
2. Journal of Hazardous Materials
3. Environmental Research
4. the Science of the Total Environment
5. Environmental Monitoring and Assessment
6. Current Science
7. African Journal of Plant Science
8. International Journal of Physical Sciences
9. Environmental Science and Technology
10. Iranian Journal of Radiation Research
11. Journal of Radioanalytical and Nuclear Chemistry
12. Journal of Environmental Radioactivity
13. Journal of scientific research and reviews
14. Indian Journal of Pure and Applied Physics
15. Journal of Medicine and Medical Sciences
16. International Journal of Environmental Analytical Chemistry
17. Iranian Journal of Environmental Health Science and Engineering
18. Environmental Science and Pollution Research

19. Microchemical Journal
