

Dr. D.N. Avadhani

Designation :Associate Professor
Educational Qualification :M.Sc.,Ph.D
Experience :Teaching: 22 years
Area of Interest :Radiation Physics, Nano Materials,
Conducting Polymers
Date of Joining at RVCE :05/09/2002
Email ID :avadhanidn@rvce.edu.in

Project:
Number of Doctorate Students

Completed: 04 Guiding: 00

Publication

National Journals	National Conferences	International Journals	International Conferences	Book/Book Chapter Published	Patent Granted
09	45	25	08		

List of Publications: Journals/Conferences

National Conference/seminar/symposium

1. Jnanaeshwara D M, **Avadhani D N**, Nagabhushana H, Magnetic studies of cobalt ferrite nano powder synthesized by different techniques. National conference on Advanced Functional material (AFM-2015), ISBN: 978-93-85682-04-9.
2. Prasanna B P and **Avadhani D N**. Synthesis of semicrystalline nanogranular polyaniline for super capacitor application. Two days National Conference on "Material Science (NCMS-2015)", Sri Krishnadevaraya University, Anantapuram held during 13th- 14th November, 2015.
3. P B Devaraja, **D N Avadhani**, H Nagabhushana, S C Prashantha, H P Nagaswarupa, S C Sharma, B M Nagabhushana and H B Premkumar, Synthesis and Photoluminescence properties of Sm³⁺ doped MgO nanoparticles, National conference on Nanoscience and Nanotechnology, ISSN NO: 978-81-928203-3, October, 2013. BM SIT, Bangalore
4. Shiva Prasad N G, Nagaiah N & **Avadhani D N**. External Gamma Dose rate in and around Bangalore University. National seminar on New Horizons in Environmental Sciences and Engineering in India ,17th – 19th November 2004 at dept. of Environmental Science, Bangalore University.
5. Shiva Prasad N G, Ashok G V, Nagaiah N, **Avadhani D N** & Mahesh H M Concentrations of ²²²Rn in ground waters of Bangalore Environment . 16th National Symposium on Radiation Physics (NSRP – 16), 18th to 20th January 2006, Meenakshi College for Women in Chennai .
6. **Avadhani D N**, Mahesh H M & Siddappa K . Natural Radioactivity in Vegetation Samples of Goa Environment. National Symposium on Radiation Physics (NSRP – 16), 18th to 20th January 2006, Meenakshi College for Women in Chennai .
7. **Avadhani D N**, Mahesh H M and Siddappa K. Polonium-210 in the total environment of Goa. DAE-BRNS symposium on Nuclear and Radiochemistry, M S University of Baroda, Vadodara, Gujarat, February 14 – 17, 2007.
8. **Avadhani D N** ,Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Distribution of Cesium-137 in soil samples of Goa. 11th National Symposium on Environment (11th NSE), Udayapur, Rajasthan, June 5-7, 2002.
9. **Avadhani D N** ,Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M 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, Amritsar, Nov. 1-3, 2001.
10. **Avadhani D N**, Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K. Natural radiation level and radionuclides distribution in beach sand of Goa. National seminar on atomic energy, ecology and environment. Jamal

Mohammed college, Tiruchirappalli, Tamil Nadu, Feb. 8-9, 2001.

11. **Avadhani D N**, Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M 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, Jan. 9-10, 2001.
12. **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.
13. **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.
14. **Avadhani D N** ,Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Distribution and intake of Polonium-210 in the environment of Goa. 24th Annual conference on Indian Association of Radiological Protection (24th IARP), Kakrapar Atomic Power Station (KAPS), Kakrapar, Surath , Gujarath, Jan 20-22, 1999.
15. **Avadhani D N** ,Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Radiation level and radionuclide distribution in the environment of Goa. 12th National Symposium on Radiation Physics (12th NSRP), Defence laboratory, Jodhpur, Rajasthan, Jan. 28-30, 1998.
16. **Avadhani D N** ,Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Alpha counting techniques in environmental radioactivity investigations. National Symposium on One Hundred year of Electron Discovery (NSED-98), Kuvempu University, Shankaraghatta, Dec. 29-30, 1997.
17. **Avadhani D N**, Mahesh H M ,Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Natural radiation level in the environment of Goa. Seminar on Impact of Discovery of Radioactivity on Modern Society (IDRMS-96), Kuvempu University, Jnana Sahyadri, Shankaraghatta, Nov. 4-5, 1996.
18. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Uranium and Radium concentrations in groundwater in the environment of coastal Karnataka and Kaiga. , 11th National Symposium on Environment (11th NSE), Udayapur, Rajasthan, June 5-7, 2002.
19. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y,Somashekarappa H M and Siddappa K . Influence of soil properties on Cs-137 and Sr-90 sorption in the environment of west coast of India. 11th National Symposium on Environment (11th NSE), Udayapur, Rajasthan, June 5-7, 2002.
20. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y,Somashekarappa H M and Siddappa K . Distribution of Po-210 in the environment of coastal Karnataka,

11th National Symposium on Environment (11th NSE), Udayapur, Rajastan, June 5-7, 2002.

21. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K Distribution of Ra-226, Th-232 and K-40 in the environs of Mangalore.. 14th National Symposium on Radiation Physics (14th NSRP), Gurunanak Dev University, Amrithsar, Nov. 1-3, 2001.
22. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Radiation dose due to Rn-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.
23. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Radon and Thoron progeny concentration in tiled and concrete dwellings in the environment of Mangalore. 12th National Symposium on Solid State Nuclear Track Detector (12th SSNTD), DAV college, Jalandhar, Oct. 27-31, 2001.
24. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Determination of strength of an alpha source by an etched track detector. 12th National Symposium on Solid State Nuclear Track Detector (12th SSNTD), DAV college, Jalandhar, Oct. 27-31, 2001.
25. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . Radionuclides in plants in the environment of Kaiga in Karnataka. 10th National Symposium on Environment (10th NSE), EAD, BARC, Mumbai, June 4-6, 2001.
26. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Uranium concentration in water samples in the environment of coastal Karnataka and Kaiga. National seminar on atomic energy, ecology and environment. Jamal Mohammed college, Tiruchirappalli, Tamil Nadu, Feb. 8-9, 2001.
27. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Concentration of Pb-210 and Pb-210 in Atmosphere in the environment of costal Karnataka and Kaiga. National Symposium on Emerging trends in radiation sources and their applications. Kuvempu University, Jnana Sahyadri, Jan. 9-10, 2001.
28. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Concentration and distribution of Po-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 Univeristy, Dec. 14-16, 2000.
29. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Radon and Thoron progeny concentrations in Dwellings in the environment of Mangale. National Symposium on prospectus and problems of

environment in the new millennium. Mangalore Univeristy, Dec. 14-16, 2000.

30. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa 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.
31. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y,Somashekarappa H M and Siddappa K . Cesium-137 concentration in the environment of Kaiga. 9th National Symposium on Environment (9th NSE), Bangalore University, June 5-7, 2000.
32. 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.
33. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Polonium-210 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 Nadu, June 22-25, 1999.
34. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Uranium concentration in water samples in the environment of coastal Karnataka, Kaiga and Goa. 24th Annual conference on Indian Association of Radiological Protection (24th IARP), Kakrapara Atomic Power Station (KAPS), Kakrapara, Surath , Gujarath, Jan 20-22, 1999.
35. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y,Somashekarappa H M and Siddappa K . Natural radioactivity in soil samples of coastal Karnataka. 24th Annual conference on Indian Association of Radiological Protection (24th IARP), Kakrapara Atomic Power Station (KAPS), Kakrapara, Surath , Gujarath, Jan 20-22, 1999.
36. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K Indoor radon levels in Mangalore and coastal Karnataka.. 19th Annual Conference on Indian Association of Biomedical Scientists.KMC, Mangalore, October 30,31 and Nov. 1, 1998.
37. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y,Somashekarappa H M and Siddappa K . Studies on radioactivity in Aquatic and atmospheric environs of coastal Karnataka, Kaiga and Goa. 7th National Symposium on Environment (7th NSE), Dhanbadh, Bihar, Feb. 5-7, 1998.
38. Mahesh H M ,**Avadhani D N**, Karunakara N ,Narayana Y,Somashekarappa H M and Siddappa K . Diurnal and seasonal variations of atmospheric radon concentration in the environs of coastal Karnataka and Kaiga12th National Symposium on Radiation Physics (12th NSRP), Defence laboratory, Jodhpur, Rajastan, Jan. 28-30, 1998.

39. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . Distribution of Sr-90 and Cs-137 radionuclides in the environment of coastal Karnataka. 12th National Symposium on Radiation Physics (12th NSRP), Defence laboratory, Jodhpur, Rajasthan, Jan. 28-30, 1998.
40. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . GERMON Station at Mangalore University –A Nodal Centre. National Symposium on One Hundred year of Electron Discovery (NSED-98), Kuvempu University, Shankaraghatta, Dec. 29-30, 1997.
41. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . Gamma spectrometry for probing the environment. National Symposium on One Hundred year of Electron Discovery (NSED-98), Kuvempu University, Shankaraghatta, Dec. 29-30, 1997.
42. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Low background high efficiency beta counting system for low level counting. National Symposium on One Hundred year of Electron Discovery (NSED-98), Kuvempu University, Shankaraghatta, Dec. 29-30, 1997.
43. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . Cs-137 and Sr-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, Feb. 12-14, 1997.
44. Mahesh H M , **Avadhani D N**, Karunakara N ,Narayana Y, Somashekarappa H M and Siddappa K . Radiation dose due to Radon daughters in Mangalagangothri. Seminar on Impact of Discovery of Radioactivity on Modern Society (IDRMS-96), Kuvempu University, Jnana Sahyadri, Shankaraghatta, Nov. 4-5, 1996.
45. Karunakara N, **Avadhani D N**, Mahesh H M , Narayana Y, Somashekarappa H M and Siddappa K . Radium-226 and Po-210 activities in Kaiga environs. Seminar on Impact of Discovery of Radioactivity on Modern Society (IDRMS-96), Kuvempu University, Jnana Sahyadri, Shankaraghatta, Nov. 4-5, 1996.

NATIONAL JOURNALS

1. Y Narayana, **D N Avadhani**, PR Vinutha, N Karunakara, K Siddappa. Activity of natural radionuclides in Puttur region. Radiation Protection and Environment, 26(1-2): pp. 449-452, 2003, INDIA.
2. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekharappa H M and Siddapps K. Natural radioactivity in beach sands of Goa of South west of India. Radiation Protection and Environment. 24(4): 2001, INDIA.
3. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekharappa H M and Siddapps K. Distribution and behaviour of Po-210 and Pb-210 in soil samples of Goa, south west coast of India. Radiation Protection and Environment. 24(1 & 2):

pp. 401-404, 2001,INDIA

4. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Natural radioactivity in the environment of Goa of south west coast of India. Radiation Protection and Environment. 24(1 & 2): pp. S136-S142 2001,INDIA
5. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Polonium-210 concentration in food and diet samples of the Goa environs of southwest coast of India. Environmental Geochemistry, 2(1): pp 1-4, 1999. INDIA.
6. Mahesh H M, **Avadhani D N**, Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Lead-210 concentration in air and water samples of the environment of coastal Karnataka and Kaiga. Radiation Protection and Environment. 24(1 & 2): pp. 406-409, 2001,INDIA
7. Mahesh H M, **Avadhani D N**, Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Po-210/Pb-210 ratio in air and rain water samples I the environment of coastal Karnataka and Kaiga Radiation Protection and Environment. 24(1 & 2): pp. S71-S75, 2001,INDIA
8. Mahesh H M, **Avadhani D N**, Karunakara N, Narayana Y, Somashekharappa H M and Siddapp K. U-238, Pb-210 and Po-210 concentrations in water samples of coastal Karnataka and Kaiga environs. .Environmental Geochemistry, 1(2): pp. 59-62, 1998. INDIA.
9. Karunakara N, **Avadhani D N**, Mahesh H M, Narayana Y, Somashekharappa H M and Siddappa K Radioactivity and radiation levels in the environs of Kaiga. Environmental Geochemistry,.1(1): pp. 1-4, 1998. INDIA.

International Journal Publications

1. S Shubha, BM Rajesh, **DN Avadhani**, TK Madhura, "Innovative Approach for the Study of Tuning Circuit with Open Source Tools", ECS Transactions 107 (1), 1497, 2022.
2. B. P. Prasanna, **D. N. Avadhani**, Vinuth Raj, K. Yogesh Kumar, M. S. Raghu, "Fabrication of PANI/SnO₂ Hybrid Nanocomposites via Interfacial Polymerization for High Performance Supercapacitors Applications", Surface Engineering and Applied Electrochemistry, Issue 55(4), (2019),pp. 463–471.
3. Praveena Kumar RS, **Avadhani DN**, Jobish Johns, et al. "Elastomeric Blends of Natural Rubber and the Resin Exuded from Ailanthus malabaricum Tree". Journal of Polymer & Composites. 4(2), (2016), pp17–24.
4. B. P. Prasanna, **D. N. Avadhani**, K. Chaitra, N. Nagaraju and N. Kathyayini., Synthesis of polyaniline/MWCNTs by interfacial polymerization for superior hybrid

supercapacitance performance. Journal of Polymer Research (2018) 25: 123.

5. Praveen Kumar R S, **Avadhani D N**, Ekipoo Kalkornsurapranee, Jobish Johns. Elastomeric Blends of Natural Rubber and the resin exuded from Ailanthus malabaricum tree. Journal of polymer and composites, Vol 4, issue 2, 2016.
6. B P Prasanna, **D N Avadhani**, H B Muralidhara, K Chaitravinny rose thomasm revasiddappa and N Kathyayini. Synthesis of polyaniline/ZrO₂ nanocomposites and their performance in AC conductivity and electrochemical supercapacitance. Bulletin of Materials Science, Vol 39, issue 3, pp667-675, 2016.
7. P B Devaraja, **D N Avadhani**, H Nagabhushana, S C Prashantha, S C Sharma, B M Nagabhushana, H P Nagaswarupa and B Daruka Prasad, Luminescence properties of MgO: Fe³⁺ nanopowders for WLEDs under NUV excitation prepared via Propellant combustion route. Journal of Radiation Research and Applied Sciences, 8 (2 0 1 5) 3 6 2 -3 7 3.
8. D.M. Jnaneshwara, **D.N. Avadhani** , B. Daruka Prasad , H. Nagabhushana , B.M. Nagabhushana S.C. Sharma, S.C. Prashantha, and C. Shivakumara, Role of Cu²⁺ ions substitution in magnetic and conductivity behavior of nano-CoFe₂O₄. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 132 (2014) 256–262.
9. D.M. Jnaneshwara, **D.N. Avadhani**, B. Daruka Prasad, H. Nagabhushana, S.C. Sharma, B.M. Nagabhushana, S.C. Prashantha, K. Thyagarajan. Synthesized nickel substituted cobalt ferrite nanopowders beneficial for recording media applications CSVTU Journal of Advanced Materials Engineering. ISSN 0974-8725, Vol. 7-2014.
10. P.B. Devaraja, **D.N. Avadhani** , H. Nagabhushana , S.C. Prashantha, S.C. Sharma, B.M. Nagabhushana, H P Nagaswarupa and B. Dharuka Prasad. MgO:Dy³⁺ nanophosphor: Self ignition route, characterization and its photoluminescence properties. Materials Characterization 97 (2014) 27–36.
11. Prasanna B P, **Avadhani D N**, Muralidhara H B and Revanasiddappa. Synthesis, Characterization and Enhanced Dielectric Constant of Polyaniline-Exfoliated Graphite Flakes Composites Volume III, Issue V, May 2014 IJLTEMAS, ISSN 2278 – 2540: 2014.
12. P B Devaraja, **Avadhani D N**, Prashanth S C, H Nagabhushana, S C Sharma, B M Nagabhushana, H P Nagaswarupa and H B Premkumar. MgO:Eu³⁺ red nanophosphor: Low temperature synthesis and photoluminescence properties. Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy 121 (2014) 46-52.
13. P B Devaraja, **Avadhani D N**, Prashanth S C, H Nagabhushana, S C Sharma, B M Nagabhushana and H P Nagaswarupa. Synthesis, structural and luminescence studies of magnesium oxide nanopowder. Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy 118 (2014) 847-851.

14. D M Jnanaeshwara, **D N Avadhani**, B Daruka Prasad, B M Nagabhushana, H Nagabhushana, S C Sharma, S C Prashantha and C Shivakumara. Effect of Zinc substitution on the nanocobalt ferrite powders for nanoelectronic devices. Journals of Alloys and compounds 587 (2014) 50-58.
15. D M Jnanaeshwara, **D N Avadhani**, B Daruka Prasad, B M Nagabhushana, H Nagabhushana, S C Sharma, C Shivakumara, J L Rao, N O Gopal, Shye-Chu Ke, and R P S Chakradhar. Electron paramagnetic resonance, magnetic and electrical properties of CoFe₂O₄ nanoparticles. Journal of Magnetism and Magnetic Materials 339 (2013) 40-45.
16. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekarappa H M and Siddappa K Distribution and Behaviour of Natural Radionuclides in Soil samples of Goa of South – West coast of India. The Natural Radiation Environment VII. Elsevier's Science and Technology Rights Department, 2005. ISBN : 0-08-044137-8 page no 1131-1140.
17. Mahesh H M, **Avadhani D N**, and Siddappa K. Concentration, distribution and transportation of ²²²Rn and its Progeny Concentration in the environment of coastal Karnataka and Kaiga of south-west coast of India. The Natural Radiation Environment. Elsevier's Science and Technology Rights Department, 2005. ISBN : 0-08-044137-8 page no 542 – 553.
18. Karunakara N, **Avadhani D N**, Mahesh H M, Somashekarappa H M, Narayana Y and Siddappa K. ²²⁶Ra, ⁴⁰K and ⁷Be activity concentrations in plants in the environment of Kaiga, India. Journal of Environmental Radioactivity, 65(3): pp.255-365, 2003. UK.
19. Mahesh H M, **Avadhani D N**, Somashekharappa H M, Karunakara N, 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, 81(6): pp. 724-728, 2001, USA.
20. **Avadhani D N**, Mahesh H M, Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Dietary intake of PO-210 and Pb-210 in the environment of Goa of south west coast of India. Health Physics, 81(4): pp. 438-445, 2001, USA.
21. **Karunakara N**, Narayana Y, Avadhani D N, Mahesh H M, Somashekharappa H M and Siddappa K. Radium-226, Th-232 and K-40 concentrations in soil samples of Kaiga of south west coast of India. Health Physics, 80(5): pp. 470-476, 2001, USA.
22. Karunakara N, **Avadhani D N**, Narayana Y, Mahesh H M, Somashekharappa H M and Siddappa K. Cesium-137 concentration in environment of Kaiga in the south west of India. Health Physics, 81(2): pp. 148-155, 2001, USA.
23. Narayana Y, **Avadhani D N**, Karunakara N, Mahesh H M, Somashekharappa H M and Siddappa K. Distribution of natural radionuclides in soil samples of coastal Karnataka of south west of India. Health physics, 80 (1): pp. 24-33, 2001, USA.

24. Narayana Y, **Avadhani D N**, Karunakara N, Mahesh H M, Somashekharappa H M and Siddappa K. Prominent artificial radionuclides in the environment of coastal Karnataka of south west of India. Journal of Radiological Proteciton, 20 : pp. 295-300, 2000. UK.
25. Karunakara N, **Avadhani D N**, Mahesh H M, Narayana Y, Somashekharappa H M and Siddappa K. Distribution and enrichment of Po-210 in the environment of Kaiga in south India. J. Environmental Radioactivity, 51: pp. 349-362, 2000.UK.
26. Karunakara N, **Avadhani D N**, Mahesh H M, Narayana Y, Somashekharappa H M and Siddappa K. Cesium-137 Concentration in Kaiga Environment, Radiation Physics and Chemistry, 51(4-6): pp. 623-624, 1998, UK.

International Conference/seminar/symposium

1. **DN Avadhani**, BM Rajesh, S Shubha, MK Sudha Kamth"Critical Thinking in Model Based Simulation of Simple Harmonic Oscillator Using Scilab: Xcos", Critical Thinking for Gen Z - Multidisciplinary Approach 1, 156-163, 2021. Excel India Publishers; <https://anyflip.com/lemlo/uclp/>
2. Prasanna B P and **Avadhani D N**, Synthesis of polyaniline tin oxide nanocomposites via interfacial polymerization for supercapacitors. International conference on smart engineering material, December 20-22, 2016. R V College of Engineering, Bengaluru.
3. Prasanna B P, **Avadhani D N**, Chaitra , Vinny Rose Thomas, N Kathyayini, α -Fe₂O₃/Polyaniline Nanocomposite As An Efficient Hybrid Supercapacitor, International conference on recent advances in materials and chemical sciences, ICRAMCS-2015, December 14-15, 2015, Department of Chemistry,Gandhigram rural institute, Gandhigram, Dindigul, Tamilnadu.
4. Prasanna B, **Avadhani D N**, Muralidhara H and Benaka Prasad S, Synthesis and characterization of polyaniline / Tin oxide nano composites, First International Conference on Large area and flexible microelectronics, R V College of Engineering, Bengaluru, December 18-20, 2014.
5. P B Devaraja, **D N Avadhani**, H Nagabhushana, S C Sharma, S C Prashantha, RamachandraNaik, H P Nagaswaroopu, KS Anantharaju, Red emissive MgO:Sm³nano phosphor prepared via facile combustion route for display applications. (ICNM2014), Mahatma Gandhi University, Kottayam, Kerala, 19-21 December, 2014.
6. Distribution and behaviour of Rn-222 and its progenies in the environment of Goa of south-west coast of India. x.21st International conference on Nuclear tracks in Solids. (21st SSNTD), New Delhi, India, Oct. 21-25, 2002.
7. **Avadhani D N**, Mahesh H M., Karunakara N, Narayana Y, Somashekharappa H M and Siddappa K. Distribution and Intake of natural radionuclides in the environment of Goa of south west coast of India. International conference on Radioactivity in the

environment, Monaco, France, Feb. 1-5, 2002.

8. Karunakara N , **Avadhani D N**, Mahesh H M., Narayana Y, Somashekharappa H M and Siddappa K. Uptake of radionuclides by plants in the environment of Kaiga of south west coast of India. 25th International conference on IARP, Mumbai, Feb. 20-23, 2001.
9. Karunakara N , **Avadhani D N**, Mahesh, H M ,Narayana Y, Somashekharappa H M and Siddappa K. Caesium-137 concentration in the environment of Kaiga. 7th International Symposium on Radiation Physics (7th ISRP), Jaipur, Rajasthan, Feb. 24-28, 1997.