RESUME

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PERSONAL DETAILS

Name **:** Dr. Rajashekara K M

Father's Name : Mahadevappa

Mother's Name **:** Mallamma

Sex **:** Male

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ADDRESS FOR COMMUNICATION

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EDUCATIONAL QUALIFICATIONS

Degree/Examination	Board/ University	Year of Passing
Ph D	Mangalore University	2008
M.Sc. (Nuclear Physics)	Kuvempu University	2002
B.Sc. (Physics, Mathematics, Electronics)	Kuvempu University	2000

Teaching Experience: **: 15 Years**

Area of Research **:** Environmental Radioactivity, Nuclear Physics, Material Science.

Research Experience **: 5 Years** as **JRF and SRF** in the Department of Atomic Energy sponsored Research Project in the Department of Physics Mangalore University, Mangalagangotri -574 199.

PROFESSIONAL MEMBERSHIP

- Life member for Indian Society for Radiation Physics
- Life member for Indian Association of Radiation Protection

AWARDS AND FELLOWSHIPS

Best Paper Presentation Award in the 5th International Conference on Radiation Biology, Banaras Hindu University, Varanashi, India, November 20-22, 2006.

PROJECTS

1. Government of Karnataka, **Vision Group on Science and Technology**, Department of Information Technology, Biotechnology and Science & Technology under the scheme **"SEED MONEY TO YOUNG SCIENTIST FOR RESEARCH (SMYSR)"** , the project title "To Study the Synthesis and characteristics of nanocomposites and conducting materials" amount of Rs **4 lakhs**

2. Co-investigator for the project sponsored by **DST –SERB** titled "Synthesis and Characterization of NanoHexaFerrites". Amount of **Rs. 26** lakhs.

3. Dr. Rajashekara K M Supervisor for student project of two members team of students, **TRIP** sponsored by Government of Karnataka, Vision Group on Science and Technology, Department of Information Technology, Biotechnology and Science & Technology title "Automotive source for running four wheeler by Magnetic Force" for the year 2014-15 amount of **Rs.30,000.**

4. Seminar grant sanctioned to organize two day NATIONAL SEMINAR ON RESEARCH ASPIRANTS OF NANOMATERIALS AND ITS APPLICATIONS from the **All India Council for Technical Education (AICTE), New Delhi as a Co-ordinator**. Amount of **Rs.1.80 Lakhs**

LIST OF PUBLICATIONS

Journals

1. **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.

2. Karunakara N, **Rajashekara K M** and Siddappa K. Indoor and outdoor radon levels and their diurnal variations in the environs of southwest coast of India. *International Congress Series (UK),* Vol.1276, *341-343,* 2005.

3. 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.

4. **Rajashekara K M**, Narayana Y, Karunakara N and Siddappa K. Distribution of Po-210 in riverine environs of coastal Karnataka, *Environmental Geochemistry (India)*, Vol.8, No. 1 & 2, 321-323, 2005.

5. Sridhar K R, Rajeev Bhat, **Rajashekara K M** and Narayana Y. ^{210}Po bioaccumulation in coastal sand dune wild legumes- *Canavilia spp.* of southwest coast of India. *Journal of Environmental Monitoring*. 7, 856-860, 2005.

6. **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 (3), 2007.

7. 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(2-3), 98-106, 2007.

8. **Rajashekara K M**, Narayana Y and Siddappa K. Effective doseowing dissolved ^{222}Rn in potable water of coastal Karnataka of southwest coast of India, *International Journal of Low Radiation(Switzerland)*, Vol.4 No.3, 200-208, 2007.

9. Narayana Y, **Rajashekara K M** and Siddappa K. Activity of ^{226}Ra, ^{232}Th and ^{40}K inriverine environs and evaluation of radiological hazards, *International Journal of Low Radiation(Switzerland),* Vol.4, No.3, 209-216, 2007.

10. **Rajashekara K M**, Narayana Y, GaneshSanjeev and Siddappa K. Uranium concentration in ground water and river water of coastal Karnataka. *Journal of Radiation Preotection and Environment (India)* Vol.30, No. 1-4), 2007.

11. **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 (Netherland),*Vol. 277, No.2, 379–388, 2008.

12. Murty V R K, **Rajashekara K M**, Prakash V andPramod Kumar. ^{210}Po concentration in soil samples of a mining environ of Botswana. Botswana Journal of Technology (Botswana), Vol.17, No.2, 20-23, 2008.

13. Narayana Y and **Rajashekara K M**. Uranium in River Ecosystems of Coastal Karnataka. Indian Journal Radiation Protection and Environment, Vol.32(3-4), 2009

14. NarayanaYand**Rajashekara K M**. Study of ^{210}Po and ^{210}Pb in the reverine environments of coastal Karnataka. *Journal of Environmental Radioactivity (UK) 100,* 468–471, 2010.

15. **Rajashekara K M** and Narayana Y. Transport of ^{210}Po and ^{210}Pb in the Kali, Sharavathi and Netravathi river ecosystems of coastal Karnataka. *Current Science (India).* Vol. 98(12), 1633-1636, 2010.

16. Narayana Y and **Rajashekara K M**. The Importance of Physico-Chemical Parameters onthe Speciation of Natural RadionuclidsinRiverine Ecosystems. *Journal of Environmental Radioactivity (UK)*,101, 958-964, 2010.

17. **Rajashekara K M,**Narasimha A, Pramodshetty, Prakash V and Narayana Y. Effective Doses Due To Intake of Radiotoxic Radionuclides ^{226}Ra, ^{210}Poand ^{210}Pb Through Drinking Water of Coastal Karnataka.*Journal of Radioanalytical and Nuclear Chemistry (Netherland),*Vol. 290(1), 137-140, 2011.

18. P K Shetty, Y Narayana,**K M Rajashekara.** Depth profile study of natural radionuclides in the environment of coastal Kerala. *Journal of Radioanalytical and Nuclear Chemistry (Netherland),*290 (1). 159-163, 2011.

19. Vijayakumar PC, R Jeevan Kumar, **Rajashekhara KM**, Tom Cherian, Jobish Johns, Thermogravimetric and Crystallinity Studies of ER/PS Blends. *Journal of Modern Chemistry & Chemical Technology,*Vol 5 (1), 1-6, 2014.

20. Meenakshi H, ChandrasekharreddyK ,**Rajashekara K M**. Effect of Thiourea and SHMP capping agents on structural and Photoluminescence studies of ZnSnanoparticles, *International Journal of Advanced Scientific and Technical Research ,*Special issue- Issue 5 volume 5, 47, 2015.

21. Anand A[1], Jobish Johns [2], **Rajashekara KM**[3], Praveen Kumar A[4], Vijayakumar PC , Fully Interpenetrating Polymer Network from Natural Rubber and Guar Gum for the preparation of Nano-composites, *International Journal of Advanced Scientific and Technical Research* ,Special issue- Issue 5 volume 5,116, 2015.

22. Meenakshi H , Chandrashekharreddy K, Suryanagireddy P, **Rajashekara K M**. Effect of capping agents on structural and photoluminescence Properties of ZnSnanoparticles. *International Journal of Luminescence and applications* Vol.5 (4) 475-485, 2015.

23. Thontadharyadeekshith M, RojashreeS,Suraj K, Abhiram J, R Rajaramakrishna, **Rajashekara K M**., Structural and Optical Properties of Copper doped Lanthanum Strontium Borate Glasses. *International Journal in Physical and Applied Sciences*. Vol.04(7), 2017.

24. Manjunatha.B.C, **Rajashekar.K.M**, C.S.Prakash., Structural properties of Al and Cr dopedM-typeNanoHexaferrites**.** *International Journal of Advanced Research Trends in Engineering andTechnology,*Vol 5(3), Pg.455-460 Jan 2018.

25. Manjunatha B C, **Rajashekara K M**, C S Prakash.,Structural properties of substituted calcium hexagonal nano ferrites, *ISST Journal of Applied Physics,* Vol. 9 (1), 13-15, 2018.

26. **K M Rajashekara,** V. Prakashand Y. Narayana, Seasonal variation of natural radioactivity in the environs of Kali river. *Radiation Protection and Environment*, Vol 41(3),119-122,2018.

27. V. Prakash, **K. M. Rajashekara,** Y. Narayana., Study on effects of physicochemical parameters on natural radionuclides concentration and assessment of radiologicalparameters in the soil samples of Mangalore, Dakshina Kannada. *Radiation Protection and Environment*, Vol 41(4), 192-196, 2018.

28. V. Prakash, **K. M. Rajashekara,** Y. Narayana., Accumulation of ^{210}Po in Medicinal Plants in the Environment of Mangalore, Southwest Coast of India *Radiation Protection and Environment*, Vol. 42(3), 107-111, 2019.

29. **K M Rajashekara,** V. Prakashand Y. Narayana, The radiation dose and distribution coefficient of 210Po and 210Pb concentrations in aquatic environs of major rivers of coastal Karnataka., *Journal of Radioanalytical and Nuclear Chemistry*, Vol322, 199–204, 2019.

30. V. Prakash, V. Vineethkumar, **K. M. Rajashekhara,** Y. Narayan., Distribution and enrichment of 210Po and 210Pb in the environment of Mangalore, Southwest Coast of India., *Radiation Protection and Environment* 42 (3), Page: 102-106. 2019.

31. AR Venugopal, R Rajaramakrishna, J Abhiram, Vinayak Pattar, **KM Rajashekara**, J Kaewkhao., Sm 3+ Doped Lithium Strontium Borate Glasses for Solid State Lighting Applications (2019), *Journal Glass Physics and Chemistry*., Volume45,Issue6, Pages472-484.

32. Abhiram Jagannathana, R. Rajaramakrishna, **K.M. Rajashekara**, Jagannath Gangareddy,VinayakPattar K, VenugopalRao S, Eraiah B, JagadeeshaAngad , J. Kaewkhao, S. Kothan., Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications., *Journal of Non-Crystalline Solids* Volume 538, 2020.

33. A.R. Venugopala, , J. Kaewkhaob, Abhiram J , **Rajashekara K M** ,R. Rajaramakrishna ,N. G. Pramod , ChethanRao., Eu3+ ions doped SrO-CaO-Li2O-B2O3 glasses for optical display material application., *IOP Conf. Series: Journal of Physics: Conf.* Series 1485, 2020.

34. B C Manjunatha, **K M Rajashekara.,** Synthesis and Characterization of Nano-Hexagonal Calcium Ferrites*, Journal of Nanoscience and Technology*, Volume. 7 (2), 894–896, 2020.

35. B C Manjunatha, **K M Rajashekara.,** Properties of chromium doping on structural and magnetic behavior of calcium nano-hexaferrites., *Journal: Materials today Proceedings* Volume37, Pages363-367,2020.

36. AR Venugopal, R Rajaramakrishna, J Abhiram, VinayakPattar, **KM Rajashekara**., Effects on inter-substitution of SrO to Li_2O in borate glass systems doped with Sm^{3+} ions., *Journal: AIP Conference Proceedings*, Volume 2274, Issue1, Pages030038., 2020.

37. J Abhiram, R Thejas, R Raja Ramakrishna, Vinayak Pattar, AR Venugopal, **KM Rajashekara**., Optical and structural properties of ZnO-SrO-B_2O_3 glasses, *Journal: AIP Conference Proceedings,* Vol.2274, Pages. 030034, 2020.

38. R Umashankararaja, BC Manjunatha, **KM Rajashekara**, Synthesis and structural characterization of substituted calcium hexaferrites, *Journal:Materials Today: Proceedings*, Volume37, Pages742-744, 2021.

39. AR Venugopal, R Rajaramakrishna, **KM Rajashekara**, J Rajaguguk, NH Ayachit, S Kothan, J Kaewkhao., Dy3+ doped B2O3–Li2O–CaO–CaF2 glass for efficient white light emitting sources., *Journal of Non-Crystalline Solids*, Volume554, Pages 120604. 2021.

40. J Abhiram, R Rajaramakrishna, **KM Rajashekara**, G Jagannath, J Kaewkhao, J Rajagukguk, Comparative Study on Au-Ag composition in Lithium Zinc Calcium Fluroborate Glasses: Nonlinear Optics Perspective., *Journal of Physics: Conference Series*, Volume1819, Issue1, Pages. 012022 , 2021.

41. Abhiram Jagannathan, Jagannath Gangareddy, R Rajaramakrishna, **KM Rajashekara**, S Venugopal Rao, J Kaewkhao, S Kothan, A El-Denglawey., Precursor Based Tuning of the Nonlinear Optical Properties of Au-Ag Bimetallic Nanoparticles Doped in Oxy-fluoroborate Glasses., *Journal of Non-Crystalline Solids,* Vol.561, Pages. 120766, 2021.

42. AR Venugopal, R Rajaramakrishna, **KM Rajashekara**, Vinayak Pattar, N Wongdamnern, S Kothan, J Kaewkhao., Nd3+ doped B2O3+ Li2O+ CaO+ CaF2 glass systems: Structural and optical properties., *Optical Materials* 133, 112979, 2022.

43. G. Harisha **K M Rajashekara,** C Devaraja, G V Jagadeesha Gowda Influence Of Sio2 On Structural And Morphological Properties Of Cobalt And Tin Embedded Calcium Nano-ferrites., *GIS SCIENCE Journal,* 9(4):1207-1215, 2022.

44. V Sanjay, **K M Rajashekara**, Vinayak pattar, and M V Murugendrappa. Effect on electrical and dielectric properties of Tenanoparticle-doped PVA composite. *Journal of Materials Science: Materials in Electronics*., volume 33, pages17382–17394, 2022.

45. V Sanjay, **K M Rajashekara,** Jobish Johns, and Vinayak pattar. The dielectric and impedance spectroscopy of poly vinyl alcohol doped with carbon (PVA-C). *Physica B: Condensed Matter,* Volume 650, 1, 414561, 2023.

46. R UmashankaraRaja, HC Manjunatha, YS Vidya, R Munirathnam, KN Sridhar, **KM Rajashekara,** S Manjunatha., Effect of chromium substitution on the gamma and neutron

radiation shielding properties of calcium hexaferrite nanoparticles. *Applied Physics A,* Volume 129, 709, 2023.

47. G. Harisha , C. Devaraja, R. Thejas, M.V. Murugendrappa, **K.M. Rajashekara**, J. Kaewkhao, R. Rajaramakrishna., Exploration of structural and morphological characteristics of Ag2+ substituted Zn-CuFe2O4 nanoparticles by green synthesis., *Nano-Structures & Nano-Objects,* Volume 36, 101058, 2023.

48. Ramachandrappa Umashankara Raja, Yakekadakalu S Vidya, Holaly Chandrashekara Shastry Manjunatha, Rajachari Munirathnam, Lakshmaiah Seenappa, Krishnachari Nagarthnamma Sridhar, **Koppa M Rajashekara,** Shivanna Manjunatha., Synthesis and characterization of calcium–iron–chromium nanocomposites for electromagnetic radiation shielding application., *Radiation Protection Dosimetry,* Volume 199, Issue 20, Pages 2428–2437, 2023.

49. Vinayak Pattar, **KoppaMahadevappa Rajashekara**, Chinnappareddy Devaraja , Jakrapong Ka ewkhao, DaryaPavlovna Surzhikova, Rajaramakrishna Rajanavaneethakrishna., Investigation of structural, physical and optical properties of sodium boro-tellurite glasses doped with iron oxide., *Ceramics International,* Volume 50, Issue 17, Part B, Pg 30434-30444., 2024.

50. R. Umashankara Raja, H. C. Manjunatha, Y. S. Vidya, R. Munirathnam, **K. M. Rajashekara**, S. Manjunatha, M. Priyanka, and E. Krishnakanth., The structural, magnetic and electrical properties of zinc-doped orthorhombic calcium ferrite nanoparticles: Memory device and high-frequency applications, https://doi.org/10.1142/S0217979225500419., 2024.

51. Gavisiddaiah Harisha, Ramakrishnaiah Thejas, B Venkatagiriyappa Padmini, Chinnappa Reddy Devaraja, Malalkere Veerappa Murugendrappa, **Koppa Mahadevappa Rajashekara**., Structural, morphological, magnetic, and dielectric properties of copper-substituted CuXZn(1-X)Fe2O4 nanoparticles: Green synthesis., Journal of Metals, Materials and Minerals, 34(3), 1955, 2024.

52. R UmashankaraRaja, HC Manjunatha, YS Vidya, E Krishnakanth, R Munirathnam, **KM Rajashekara,** S Manjunatha., The structural, magnetic and electrical properties of chromium doped calcium ferrite nanoparticles., Chemical Physics Impact., Volume 9, 100710, 2024.

53. Abhiram Jagannathan, R Rajaramakrishna, Jagannath Gangareddy, **KM Rajashekara**, Venugopal Rao Soma, J Kaewkhao, S Kothan, Darya Pavlovna Surzhikova., Third order nonlinear optical properties of lithium zinc calcium fluoroborate glasses embedded with Au–Ag nanoparticles., Optical Materials., Volume 149, 115013, 2024.

54. R Umashankara Raja, YS Vidya, HC Manjunatha, R Munirathnam, KN Sridhar, **KM Rajashekara,** S Manjunatha, L Seenappa., Green synthesis of aluminium-substituted calcium hexaferrite nanoparticles for high-frequency applications., Journal of Physics and Chemistry of Solids., Volume 189, 111940, 2024.

55. R Umashankara Raja, R Munirathnam, YS Vidya, HC Manjunatha, KN Sridhar, **KM Rajashekara,** S Manjunatha, L Seenappa., Green synthesis of chromium substituted calcium

hexaferrite nanoparticles for high-frequency applications., International Journal of Modern Physics B., Vol. 38, No. 28, 2450381, 2024.

56. R UmashankaraRaja, YS Vidya, HC Manjunatha, M Priyanka, R Munirathnam, **KM Rajashekara,** S Manjunatha, E Krishnakanth., Effect of nickel doping on magnetic and dielectric properties of orthorhombic calcium ferrite nanoparticles., Green Energy and Resources., Volume 2, Issue 1, 100059, 2024.

Research papers presented in conference/Symposia /Seminars

1. **Rajashekara K M**, Narayana Y, Karunakara N, Vinutha P R, Pramoda Kumara Shetty and Siddappa K. Activity of ^{210}Po in the riverine environment of coastal Karnataka. In: 13th National symposium on environment, North-Eastern Hill University, Shillong, Meghalaya, India, June 5-7, 2004.

2. Pramoda Kumara Shetty, Narayana Y, Karunakara N, **Rajashekara K M** and Siddappa K. Distribution and enrichment of ^{210}Po in monazite areas of coastal Kerala. In: 13th National symposium on environment, North-Eastern Hill University, Shillong, Meghalaya, India, June 5-7, 2004.

3. Narayana Y, **Rajashekara K M** and Siddappa K. Natural radioactivity in a major river of coastal Karnataka. In: 14thNatioanl symposium on environment, Osmania University, Hyderbad, Andra Pradesh, India, June 5-7, 2005.

4. **Rajashekara K M**, Narayana Y, Karunakara N, and Siddappa K. 2005. Distribution of ^{210}Po in riverine environs of coastal Karnataka. In: 14th National symposium on environment, Osmania University, Hyderbad, Andra Pradesh, India, June 5-7, 2005.

5. Murty V R K, Karunakara N, **Rajashekara K M**, Prakash V and Nayak N G. Natural radionuclides concentration in the soils of Botswana. In: 2nd International Conference on Radioactivity in the Environment, Nice, France, October 2-6, 2005.

6. **Rajashekara K M**, Narayana Y and Siddappa K. Concentration of ^{210}Po and ^{210}Pb in major rivers of coastal Karnataka. In: National conference on Synergic solutions for sustainable development. National Institute of Technology Karnataka, Surathkal, India, December 28-30, 2005.

7. Karunakara N., **Rajashekara K M**., Somashekarappa H M and Siddappa K. Radon measurements in the south west regions of India. In: 16th National Symposium on Radiation Physics, Meenakshi College for Women, Chennai, India, January 18-20, 2006.

8. **Rajashekara K M**, Narayana Y and Siddappa K. ^{210}Po and ^{210}Pb concentrations in Netravathi river ecosystem of coastal Karnataka. In: National Conference on Emerging trends in Physics, Electronics and Engineering Sciences, JSS College, Mysore, India, September 25-26, 2006.

9. **Rajashekara K M**, Narayana Y and Siddappa K. Effective dosedue to dissolved ^{222}Rn in potable water of coastal Karnataka of southwest coast of India. In: International Conference on Low Dose Radiation effects on Human Health, Hindu Banaras University, Varanashi, India, November 20-22, 2006.

10. Narayana Y, **Rajashekara K M**andSiddappa K. Activity of ^{226}Ra, ^{232}Th and ^{40}K inriverine environs and evaluation of radiological hazards. In: International Conference on Low Dose Radiation effects on Human Health, Hindu Banaras University, Varanashi, India, November 20-22, 2006.

11. **Rajashekara K M**, Narayana Y, GaneshSanjeev and Siddappa K. Seasonal variation of natural radioactivity in the environs of Sharavathi River. In: National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.

12. Narayana Y, **Rajashekara K M**andSiddappa K. Speciation of ^{210}Po and ^{210}Pb in riverine environs. In: National Symposium on Nuclear and Radiochemistry, The Maharaja Sayajirao University of Baroda, Vadodara, India, February 14-17, 2007.

13. **Rajashekara K M**, Narayana Y, GaneshSanjeev and Siddappa K. Uranium concentration in ground water and river water of coastal Karnataka. In: Conference on Aceelarator and Low level Radiation Safety, Inter University Accelarater Centre (IUAC), New Delhi, India, April 26-27, 2007.

14. **Rajashekara K M**, Narayana Y, GaneshSanjeev and Siddappa K. Radiation dose due to dissolved Uranium in river water of major rivers of coastal Karnataka. In: National Symposium on Environment, Bharathiar University, Coimbatore, India, June 5-7, 2007.

15. **Rajashekara K M**, Narayana Y, GaneshSanjeev and Siddappa K. Age dependent doses due to intake of uranium through drinking water. In: National Symposium on Solid State Nuclear Track Detectors and Their Applications, H.N.B University, TehriGehrwal, India, June 21-23, 2007.

16. Narayana Y, **Rajashekara K M**, GaneshSanjeev and Siddappa K. Transport of ^{210}Po and ^{210}Pb in the riverine environs. In: National Symposium on Radiation Physics,Saha Institute of Nuclear Physics, Kolkata, India, November 14-16, 2007.

17. Narayana Y and **Rajashekara K M**. The importance of physico-chemical parameters on the speciation of natural radionuclids in riverine ecosystems. In: In National Symposium on Environment, Guru Jambeshwar University of Science and Technology, Hisar, Haryana, July 16-18, 2008.

18. **Rajasherkara K M**, Narayana Y, GaneshSanjeev, Balakrishna K M andSiddappa K. Estimation of age dependent doses due to intake of uranium through drinking water. In:International Conference on Radiation Biology & Translational Researchin Radiation Oncology(ICRB 2008), University of Rajasthan, Jaipur, India, November 10-12, 2008.

19. P K Shetty, Narayana Y and **Rajasherkara K M**, Vertical profiles of ^{210}Po in soils of coastal Kerala. In: International Conference on Radiation Biology & Translational Researchin Radiation Oncology(ICRB 2008), University of Rajasthan, Jaipur, India, November 10-12, 2008.

20.Narayana Y and**Rajashekara K M**. Radioactivity and hazards of riverine samples of coastal Karnataka. In: National Conference on. Accelerator and Low Level Radiation Safety, IUAC,New Delhi, India.November 18-20, 2009.

21**K. M. Rajashekar**and Y Narayana. Weathering of rocks and transport of radionuclides through rivers. In: National Symposium on Radiation Physics, Mohan LalSukhadia University, Udaipur, Rajasthan, India, November 19-21, 2009.

22**. Rajashekara K M,**Narasimha A, Pramodshetty, Prakash V and Narayana Y. Effective Doses Due To Intake of Radiotoxic Radionuclides ^{226}Ra, ^{210}Poand ^{210}Pb through Drinking Water of Coastal Karnataka. In: Second International Conference on Application of Radiotracers in Chemical, Environmental and Biological Sciences (ARCEBS-10),Saha Institute of Nuclear Science, Kolkatta, India, November 7-13, 2010.

23. **Rajashekara K M**andNarayana Y. Statistical analysis and effect of physico-chemical parameter on radionuclides in soil and sediments of Sharavathi River. In: International Symposium on Accelarator and Radiation Physics, Saha Institute of Nuclear Science, Kolkatta, India February 16-18, 2011.

24. PrakashV,**Rajashekara K M** and Narayana Y. Natural Radionuclides Concentration in Medicinal Plants and Evaluation of Transfer Factor In: 4th International Congress of Environmental Research, held at Surat, India on December 15-17, 2011.

25.**Rajashekara K M**,PrakashVandNarayana Y. Grain size distribution of ^{226}Ra, ^{232}Th and ^{40}K activity in sediments of Netravathi River. In: National Conference on Radiological protection and safety in Nuclear reactors and reactor installations. Department of Physics, Mangalore Universisity, Mangalagangotri, Mangalore, India. March 15 – 18, 2012.

26.**Rajashekara K M**, PrakashVandNarayana Y. Activity concentration of ^{210}Po and ^{210}Pb, its contribution to the radiation dose and distribution coefficient in aquatic ecosystem of major rivers of coastal Karnataka. In: 2nd International Conference on Po and Radioactive Pb Isotopes (INCO-PoPb-2013) Department of Physics, Mangalore Universisity, Mangalagangotri, Mangalore during 10-02-2013 to 13-02-2013.

27. PrakashV,**Rajashekara K M** and Narayana Y. A study on accumulation of ^{210}Po in ayurvedic medicinal plants in the environment of Mangalore, Southwest coast of India. In: 2nd International Conference on Po and Radioactive Pb Isotopes (INCO-PoPb-2013) Department of Physics, Mangalore Universisity, Mangalagangotri, Mangalore during 10-02-2013 to 13-02-2013.

28. 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.In: 2nd International Conference on Po and Radioactive Pb Isotopes (INCO-PoPb-2013) Department of Physics, Mangalore Universisity, Mangalagangotri, Mangalore during 10-13,Feb 2013.

29. Rajashekara K M, PrakashVManjunatha B C and Narayana Y. The natural radioactivity measurements in soil and Sediments by gamma ray spectrometer. IN: National workshop on Challenges in Research & Technology in the Coming Decade CRT-2013 to be held at SDMIT, Ujjire during 27- 28, September 2013.

30.Prakash V, **Rajashekara K M** and Narayana Y Enrichment Pattern and Depth Profile of Natural Radionuclides in Monazite Areas of Coastal Karnataka, India. In: National conference on 'Advances in radiation measurement systems and techniques (IARPNC-2014)' held at Bhabha Atomic Research Centre, Mumbai during 19 -21**,** March 2014.

31.**Rajashekara K M**, Invited talk on "TRANSPORTATION OF RADIONUCLIDES IN THE REVERINE ENVIRONS" In: UGC sponsored National Seminar on Facets of Nuclear and Radiation Physics (FNRP-14) at the Dept. of PG Studies & Research in Physics, Payyanur College, Kerala, during 13 -14, Feb.2014.

32. Shiva Rao, S N Shobha Devi, Sham Aan MP, **Rajashekara KM,** JobishJohns,Nano-composite Based on Natural Rubber/Polyvinyl Alcohol Fully-Interpenetrating Polymer Network.In: National Seminar On Research Aspirants Of Nanomaterials And Its Applications, SJCIT, Chickballapur, All India Council for Technical Education (AICTE)during 21st&22nd July 2015.

33. Manjunatha B C, **Rajashekar.K M,** C S Prakash., Study of structural properties of Aluminum and Chromium substituted Calcium NanoHexaferrites. In: National conference on "Trends in advanced Materials and their application" (TAMA-2017) held at Tumakur University, Tumakur on 30th November 2017.

34. Manjunatha.B.C, **Rajashekar.K.M** and C.S.Prakash., Structural behavior of M-type substituted Calcium hexaferrites at nano level. In: International conference on "Recent Advances in Materials Science and Biophysics(RAMSB)-2018" held atDepartment of Studies in Physics Mangalore University during January 23-25, 2018.

35. Manjunatha B C, **Rajashekara K M,** C S Prakash., Morphological study of transition metal ion Substituted Calcium hexagonal nano ferrites synthesized by solution combustion methodIn: NationalConference on Radiation Physics and its application in material science and medicine, Govt Collage for Women, Kolar during 6th April 2018.

36. **K. M. Rajashekara,** V. Sanjay, V. Prakashand Y. Narayana,Seasonal variation of natural radionuclides in the environs of Kali river by gamma ray spectrometer, In: National conference on Radiation Physics and its application in material science and medicine, Govt Collage for Women, Kolar., 6th April 2018.

37. Prakash V, **Rajashekara K M** and Narayana Y., Accumulation of 210Po in medicinal plants in

the environment of Mangalore, Southwest coast of India. In: Second International Conference on Application of Radiotracers and Energetic Beams in Sciences (ARCEBS-18), Saha Institute of Nuclear Science, Kolkata, India, November 11-17, 2018.

38. Prakash V, Vineethkumar V, **Rajashekara K M** and Narayana Y., Distribution and enrichment of 210Po and 210Pb in the environment of Mangalore, Southwest coast of India. In: Second International Conference on Application of Radiotracers and Energetic Beams in Sciences (ARCEBS-18), Saha Institute of Nuclear Science, Kolkata, India, November 11-17, 2018.

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40. K M Rajashekara and Sanjay V., Investigation on the swelling characteristics of conducting polymer doped with nano particles. In: International Conference on Innovations and Challenges in Science and Technology, (ICICST-2019), DON BOSCO Institute of Technology., Bangalore, 23rdApril, 2019.

Workshop/ Symposium/Seminar/Conference attended

One day workshop on "X-Ray diffraction studies on clays" held at OSTC, Mangalore University, Mangalore on January 14th, 2003.

One-day seminar on "Accelerators in Physics and Medicine" held at MAHE, Manipal on February 15th, 2003.

National workshop on "Irradiation of food for quality up-gradation" held at Mangalore University, Mangalore on September 29th, 2003.

National workshop on "Nuclear data for advanced nuclear systems, nuclear databases and applications" held Mangalore University, Mangalore, November 8-11, 2006.

Seminar on "Applications of radioisotopes and radiation in industry" held at Mangalore University, Mangalore, November 29-30, 2006.

One Day International Workshop on “Mathematics and Its Applications to Engineering and Technology” held at SJC Institute of Technology, Chickballapuron 17th Aug 2009.

National Faculty Development program on "Electromagnetic’s and Applications" (ECTC-2010) held at SJC Institute of Technology, Chickballapuron June 23-25, 2010.

Two days Faculty Enablement program on “Fundamentals of effective teaching” held at SJC Institute of Technology, Chickballapuron February 18 and 25, 2012.

One day Workshop on “Research aspirants on material science and its application”held at Reva Institute of Technology on 13.10.2012

National workshop on “Advanced Material research for Device applications”held at NMAM Institute of Technology during July 25 -26, 2013.

One day workshop on “Principles of pedagogy for effective instructions dissemination” held at SJC Institute of Technology, Chickballapur on 19th July 2014.

One day workshop on ‘Faculty Development Program (FDP) On “Teaching Skills in Engineering Education Institutions” held at SJC Institute of Technology, Chickballapur on 21st January 2015.

One day workshop on “Nano materials and its characterization” held at VTURegional office, Bangalore on 14th Dec 2015.

Two days Faculty Enablement program on “Engineering Pedagogy” held at SJC Institute of Technology, Chickballapur on December 15- 16, 2016.

Three days Faculty Development Program (FDP) on “Scientific knowledge and skill conversion training program” held at SJC Institute of Technology, Chickballapur on June28- 30, 2017.

Three days workshop on “NBA-SAR filling and Preparedness for Assessment” conducted by Engineering Staff College of India(ESCI) held at SJC Institute of Technology, Chickballapur on July20- 22, 2017.

Workshop/ Symposium/Seminar/Conference organized

One-day National Seminar as a **Coordinator**on "Advanced Applications in the Engineering Physics and Technology – 2009" (AAEPT-2009) at SJC Institute of Technology, Chickballapur on 26th August 2009.

Two day National Seminar as a **Coordinator**on Research Aspirants of Nanomaterials and its Applications(NSRANA-2015)at SJC Institute of Technology, Chickballapur during 21st and 22nd July 2015 sponsored by **All India Council for Technical Education (AICTE), New Delhi.**

The above particulars furnished by me are true and correct to the best of my knowledge.

Sd/-
(Rajashekara K M)