Dr. Vinayak Anand Kamat

Lecturer in Physics

With 2 years and 6 months of lecturing experience. Looking for more career opprtunities in this field.

Personal Info

Email:
kamatvinu4@gmail.com

Contact:
+91 9483791732, +91 7411106564

Adress:
Shree Nidhi, Jogmath Road, Honnavar

Skills

- Research ●●●●●
- Lecturing ●●●●●
- Interaction ●●●●●

Languages

- English ●●●●●
- Hindi ●●●●●
- Kannada ●●●●●
- Konkani ●●●●●

Work Experience

Guest Faculty 2018-2020
Mangalore University

I worked in Medical Physics Division of this Institution for 2 years. Trained for about 30 students.

Guest Lecturer 2014
Government First Grade Degree College, Honnavar

I worked in this Institution for about 6 months. Trained for more than 100 students.

Education

Ph. D. in Physics 2021
Mangalore University , India

Successfully Completed Research and submitted thesis entitled with "Studies on Composite Materials for Ionizing Radiation Shielding" to Mangalore University .

M. Sc. in Physics 2014
Mangalore University , India

Completed 2 years of study with First Class.

B. Sc. in Physics, Chemistry, Mathematics 2012
SDM College, Honnavar, Karnatak University, India

Completed 3 years of study with Distinction.

Certificates

2017	Best Oral Presentation Award in National Conference on Radiation Physics, Bangalore University, Bangalore.
2016	Certificate in Specialised training on Dry rubber and latex compounding, Rubber Training Institute, Rubber Board, Kottayam.

Declaration

I here-by declare that all the above mentioined informtion is true to the best of my Knowledge.

Place: Honnavar
Date:

Papers Presented in National and International Conference/Seminars/Symposiums:

1. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Optimization of PbO/Fe_3O_4/EPDM Flexible Composites for Gamma Shielding Applications. International Conference on Physics of Materials & Nanotechnology, Mangalore University, Mangalagangothri, India, from 19th to 21th September 2019.

2. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Preparation and Characterization of Hematite and Lead Oxide based Flexible EPDM Composites for Shielding Gamma Rays. **63th DAE Solid State Physics Symposium**, Guru Jambheshwar University of Science & Technology, Hisar, India, from 18th to 22th December, 2018.

3. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Evaluation of Gamma Shielding Parameters of PbO-Hematite (Fe_2O_3) Filled EPDM composites. National Seminar on Applications of Radioisotopes and Radiation in Industry, Healthcare and Agriculture, St. Aloysius College (Autonomous) and National Association for Applications of Radioisotopes and Radiation in Industry (NAARRI), Mangalore, India, from 10th to 11th September 2018.

4. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Studies on Effect of Magnetite (Fe_3O_4) on Shielding Properties of Natural Rubber Composites for 662 keV Gamma Ray. International Conference on Recent Advances in Materials Science and Biophysics, Mangalore University, Mangalagangothri, India, from 23th to 25th January 2018**.**

5. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Studies on Effect of PbO-Magnetite (Fe_3O_4) on Shielding Properties of EPDM Composites for 662 keV Gamma Rays. National Conference on Radiation Physics, Bangalore University, Bangalore, India, from 23th to 24th November 2017.

6. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Studies on Effect of PbO-Magnetite (Fe_3O_4) on Shielding Properties of EPDM Composites for 123 keV Gamma Rays. National Conference on Recent Trends in Applied Science and Technology, Alliance College of Engineering and Design, Bangalore, India, from 26th to 27th October 2017.

7. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa. Studies on Effect of PbO-Hematite (Fe_2O_3) on Shielding Properties of EPDM Composites for 662 keV Gamma Rays. National Conference on Reaching the Unreached through Science and Technology: Recent Advance in Physical, Chemical, Mathematical and Biological Science for Energy, Health and Environment, Mangalore University, Mangalagangothri, India, from 8th to 9th September 2017.

8. K. Sharmila, **Vinayak Anand Kamat,** K.Swaroop and H.M. Somashekarappa. Thermoluminescence Properties of TiO_2 Nanoparticles Synthesized using Co-Precipitation

Method, International Conference on Advanced Materials, Nirmalagiri College, Kannur, India, from 12th to 14th June 2019.

9. K. Swaroop, M.J. Gaana, S.S. Shruthi, Shrinidhi, L.P. Shrikant, **A.K. Vinayak,** and H.M. Somashekarappa, Studies on Swelling Behaviour of Radiolytically Synthesised PVA/Gelatin Hydrogels, **63th DAE Solid State Physics Symposium**, Guru Jambheshwar University of Science & Technology, Hisar, India, from 18th to 22th December 2018.

10. P. V. Thulasi, Antony Joseph, Somashekarappa H. M., **Vinayak Anand Kamat**, Coherent scattering cross sections of some rare earth compounds at small angles below 10° for 662 keV gamma rays, **65th DAE BRNS Symposium on Nuclear Physics**, DAE Convention Centre, Anushaktinagar, Mumbai, India, from 1st to 5th December 2021.

List of Publications:

1. **Vinayak Anand Kamat**, K. Swaroop, K.U. Kiran, Benny George, and H.M. Somashekarappa (2019). Effects of Hematite-Lead Oxide Combination in Ethylene-Propylene-Diene Monomer on Shielding 59.54 keV Gamma Rays. *Radiat. Phys. Chem.*, 156, 50-57.
2. **Vinayak Anand Kamat**, K. Swaroop, K.U. Kiran, and H.M. Somashekarappa (2018). Studies on the Effect of PbO-Magnetite (Fe_3O_4) on Shielding Properties of EPDM Composites for 662 keV Gamma Rays. *Indian J. Pure Appl. Phys.*, 56, 639-642.
3. **Vinayak Anand Kamat,** K. Swaroop, K. U. Kiran, K. M. Eshwarappa & H. M. Somashekarappa, Studies on the effects of Fe_3O_4-PbO combinations in peroxide vulcanisation of EPDM and shielding 59.54 keV gamma rays. *Radiat. Eff. Defects Solids*, 176, 690-703.
4. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa (2019). Preparation and Characterization of Hematite and Lead Oxide based Flexible EPDM Composites for Shielding Gamma Rays. *AIP Conf. Proc.*, 2115, 030047.
5. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, andH.M. Somashekarappa (2020). Optimization of PbO/Fe_3O_4/EPDM Flexible Composites for Gamma Shielding Applications. *AIP Conf. Proc.*, 2244, 040004.
6. M. Sheela, **Vinayak Anand Kamat,** K.U. Kiran, and K.M. Eshwarappa (2019). Preparation and Characterization of Bismuth-Filled High Density Polyethylene Composites for Gamma-Ray Shielding. *Radiat. Prot. Environ.*, 42, 180-186.
7. M. Sheela, **Vinayak Anand Kamat**, and K.M. Eshwarappa (2019). Mechanical and Electrical Properties of Bismuth Filled High Density Polyethylene Composites. *Int. J. Adv. Res. Innovative Ideas Educ.*, 5, 1176-1181.
8. K. Sharmila, **Vinayak Anand Kamat,** K. Swaroop and H.M. Somashekarappa (2019). Thermoluminescence Properties of TiO_2 Nanoparticles Synthesized using Co-Precipitation Method. *AIP Conf. Proc.*, 2162, 020102.
9. K. Sharmila, **Vinayak Anand Kamat,** K. Swaroop and H.M. Somashekarappa (2020). Thermoluminescence Properties of Li doped TiO_2 Nanoparticles Synthesized using Co-Precipitation Method. *AIP Conf. Proc.*, 2244, 090003.

10. K. Swaroop, M.J. Gaana, S.S. Shruthi, Shrinidhi, L.P. Shrikant, **A.K. Vinayak,** and H.M. Somashekarappa (2019). Studies on Swelling Behaviour of Radiolytically Synthesised PVA/Gelatin Hydrogels. *AIP Conf. Proc.*, 2115, 030050.
11. **Vinayak Anand Kamat,** K. Swaroop, K.U. Kiran, and H.M. Somashekarappa (2018). Studies on Effect of Magnetite (Fe_3O_4) on Shielding Properties of Natural Rubber Composites for 662 keV Gamma Ray. *International Conference on Recent Advances in Materials Science and Biophysics (RAMSB) Conf. Proc.*,145-148, **ISBN 978-93-5291-953-6.**
12. P. V. Thulasi, Antony Joseph, Somashekarappa H. M., **Vinayak Anand Kamat** (2021). Coherent scattering cross sections of some rare earth compounds at small angles below 10° for 662 keV gamma rays, *65th DAE BRNS Symposium on Nuclear Physics Proc.*, 65 (2021), 812-813. **ISBN 818372084-6.**