



# KUVEMPU UNIVERSITY



## RASIMA-2K21

**“National Conference on Recent Advances in Smart and Irradiated Materials and their Applications(RASIMA)”**

(22-23 May,2021)

### About the University

Kuvempu University named after Sri. **Kuppali Venkatappa Puttappa**, pen name, **Kuvempu**, Jnanapeeta awardee and doyen of Kannada Literature is an affiliating University in Karnataka established in 1987 which has ideals of excellence and quality in Higher Education. Kuvempu University accredited by NAAC with Grade "A", and ranked 73th in NIRF given by MHRD, GoI and also ranked 45th in Shivamogga Institutions Ranking given by Scimago Lab in partnership with Scopous. It is a place that one would love to pursue academic and research. It is spread over Shivamogga and Chikkamagluru districts, Janana Sahyadri is the main campus of Kuvempu University, which is located at Shankaraghatta at a distance of 28km from Shivamogga city and 18 km from Badravathi. It is just 2km away from Bhadra Reservoir across the river "Bhadra". The entire campus area is free from pollution and covered by hills which give magnificent view to the campus.

Organized by  
**Department of Post Graduation Studies  
and Research in Physics,  
Kuvempu University,  
Shnakaraghatta-577451, Shivamogga (Dst.)**

### About the Department

The department has been established in the year 1991. The department offer specialization in Nuclear Physics and Condensed matter Physics. The department has research facility in the area of Environmental radioactivity, Radiation Physics, Irradiated polymers, Condensed matter Physics, Glasses, Theoretical Physics specially in Quantum information Science and lab is having sophisticated instruments, well equipped for research and M.Sc., studies. The department has conducted many national conferences workshops, seminars. Many passed out students of the department are continuing their research in reputed institutions in India and abroad.



WELCOME



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## About the conference

In recent years the interest has grown in the field of Smart and Radiation induced modification of materials. The present age is considered as "Smart materials era". The smart materials have revolutionized the recent field of material science and they are used in various fields. The irradiated materials enormously change their physical and chemical properties. Radiation is a very convenient tool for modification of materials and they are used in many fields. This conference focuses on recent advances in radiation induced surface modification, membranes, polymer degradation, magnetic materials, textiles, metals and insulators. In order to disseminate the knowledge generated in this fast growing field there is a need to bring the material science and radiation community on a common platform and discuss changes in their properties and use in various fields. This conference will feature invited talks, contributed papers oral and poster presentation by eminent scientists, academicians and researchers. This conference will provide a chance to academics and industry professionals as well to discuss the recent progress in this area and related applications in diverse fields of science and technology. The researchers and academicians will interact and exchange their thoughts, ideas on respective streams and to meet the changes, expectations, demands and new challenges in this field. The conference will provide a platform for young and talented students/scientists to show their talent by presenting their research works besides availing exposures to the latest trends and developments.

In view of the renewed interest in irradiated materials and their applications, the Department of PG studies and Research in Physics has planned to organize a National Conference

### Contact Number

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### Topics:

1. Radiation Induced Modification of Materials.
2. Polymers.
3. Radiation Measurements and Dosimetry
4. Radiation Effects on Magnetic Materials.
5. Phosphor Materials for Various Applications.
6. EMI Shielding of Materials.
7. Application of Radiation and Radiation Technology.
8. Environmental Radioactivity.
9. Sensors
10. Smart materials.
11. Glasses.

### Registration Fee:

- |                        |        |
|------------------------|--------|
| 1. Faculty/Scientists. | 500/-  |
| 2. Research Scholars.  | 200 /- |
| 3. Students            | 100/-  |

### Important Dates:

- |                             |            |
|-----------------------------|------------|
| 1. Submission of abstracts. | 05-05-2021 |
| 2. Acceptance of the paper. | 10-05-2021 |

### Abstract:

Abstract of the paper can be submitted (In about 250 words in MS-Word format, Times-new Roman Font, 12 pt). Online through mail to the organizing secretary. The final acceptance of the abstract/Paper-presentation/Poster-presentation will be decided by the national technical committee after peer review.

### Certificate:

Certificate will be given to the participants who have presented the paper. Hard copy of the certificate may be sent later on request.

### National Advisory committee:

1. Dr. K M Jadhav, Department of Physics, Dr. B R Ambedkar, Maratawada University, Aurangabad
2. Dr. S S Suryavamshi, Professor, Department of Electronics, Solapur University, Maharashtra.
3. Dr. A Srinivasan, Professor, of Physics, IIT, Guwahati.
4. Dr. S Asokan, Department of Instrumentation, IISc, Bangalore
5. Dr. Vishnu Prasad Bhotla, Department of Physics, IISc, Bangalore
6. Prof. N.L Singh, MSU-Baroda, Gujrat
7. Prof. R.P Chauhan, NIT, Kurukshetra.UP
8. Prof. R.G Sonkewade, Shivaji University, Kollapur. Maharashtra
9. Prof. R.C Ramola, HNB university, Gharwal. Uttarakhand
10. Prof. P. M.G Nambissan, SNIP, Kolkatta.
11. Prof. P.D Sahare, Delhi University.

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12. Dr. Rajesh Kumar, GGSIP University, Delhi.
13. Dr. B.K Sahoo, BARC, Mumbai.
14. Dr. K. Kanth, Balabgarh, Faridabad.
15. Dr. Rohit Mehra, NIT, Jalandhar, Punjab.
16. Prof. Jeevan Kumar, Krishnadevaraya University, Ananthpur, Andra Pradesh.
17. Prof. M.K Rabinal, Karnataka University, Dharwad.
18. Prof. R.F. Bajantri, Karnataka University, Dharwad.
19. Prof. Manjunatha Pattabhi, Mangalore University.
20. Prof. Y. Narayana, Mangalore University.
21. Prof. B Sannakki, Gulbarga University.
22. Prof. Shankrappa.T, Gulbarga University.
23. Prof. Jali V M, Gulbarga University.
24. Prof. T. Demappa, University of Mysore.
25. Prof. B. Eraih, Bangalore University.
26. Dr. Dharmaprakash, Mangalore University.
27. Prof. Nagabhushan H, Tumkur University.
28. Prof. J. Tipperudrappa, Krishnadevaraya University, Bellary.
29. Prof. V Ravindrachary, Magalore University, Mangalore

### Chief Patron

Prof. B P Veerabhadrappe, Vice Chancellor, KU

### Patron

Prof S. S. Patil, Registrar, KU

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Prof. H S Jayanna, KU

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Dept. of Physics

Kuvempu University

### Members KU:

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### Registration Link

<https://forms.gle/nYwmLmkijm52KB86>