



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, A.P.



*Catering to the Educational Needs of Gifted Rural Youth of Andhra Pradesh
(Established by the Govt. of Andhra Pradesh and recognized as per Section 2(f) of UGC Act, 1956)*

Rajiv Knowledge Valley, YSR District, Pincode-516330, A.P. , India

International webinar series on "Synthesis and Characterization of Nanomaterials and their Novel applications" during 17th to 19th August 2020 organized by Department of Physics, R.K.Valley Campus, RGUKT-AP

Resource Persons



Talk- 1 by **Dr. K. Ramachandra Rao**,
Associate Professor, HOD of Dept. of Physics & Research Director,
Government College (A), Rajamahendravaram, A.P, India



Talk -2 & Talk-5 by **Prof. G. Bhagavannarayana**,
EX-Scientist, CSIR-NPL, New Delhi, India
Ex-Director, IIIT-RK.Valley, RGUKT-AP, India



Talk- 3 by **Dr. Bablu Mukharjee**,
MANA Research Fellow,
National Institute for Materials Science, Japan



Talk- 4 by **Dr. V Divakar Botcha**
Research Scientist, Shenzhen University,
Hong Kong-China



Talk 6 by **Dr. Chandrasekhar Murapaka**,
Assistant Professor, Dept. of MSME,
IIT Hyderabad, India



Talk- 7 by **Dr. Ravi Kumar Pujala**,
Assistant Professor, Dept. of Physics, IISER,Tirupathi, India



Talk -8- by **Dr. G.Swathi**,
Assistant Professor, Centre for Nano Technology and Research, VIT Vellore, India

About the Webinar: Nanomaterials are replacing the conventional bulk materials due to their tunable properties for novel applications when the size is in nano scale realm i.e. with at least one dimension from 1 to 100 nm. To inspire young researchers and to pursue innovative research in the area of nano scale science and technology, the conference caters various topics of frontier academics and research including Synthesis of Nanomaterials by various techniques, their characterization and novel applications for health and energy security and industrial growth.

About the institute: R.K.Valley, Idupulapaya, Vempalli Mandal, YSR Kadapa Dt., AP was founded as one of the four branches of RGUKT-AP, a State University by an act of the Legislature by AP Government. The campus, popularly known as Rajiv Knowledge Valley is a wide spread beautiful place in an area of 354.73 acres, surrounded by Seshachal mountain range.

RGUKT started with a commitment to provide high quality technological education to the top 1% meritorious students from rural and low income background through innovative pedagogy of modern computer assisted, student centric methodologies and the traditional teaching in a world class ambience.

Department of Physics, R.K.Valley campus, RGUKT-AP is cordially inviting you to participate for three Days international webinar series on *"Synthesis and Characterization of Nanomaterials and their Novel applications"* during 17th to 19th August 2020 .

Programme Schedule:

Day-1- 17-08-2020

9:30AM-10:00AM- Inaugural session

10:00AM-11:30AM- Talk-1: **Luminescent nano materials and their applications**

11:30AM-01:00 PM- Talk-2: **An Overview on synthesis of Nano-Particles, Films and Structures**

Day-2- 18-08-2020

09:30AM-10:15AM- Talk-3: **Semiconducting Nanostructures: Synthesis & Fabricating Devices for Optoelectronic Applications**

10:15AM-11:15AM- Talk-4: **Synthesis of nanostructures and its optoelectronic applications**

11:25AM-01:00 PM- Talk-5: **Characterization of Nano- Crystallites, Thin Films and Thin Film Structures.**

Day-3- 19-08-2020

10:00 AM-11:00AM- Talk-6: **Spintronics for memory, logic, microwave and biomedical applications**

11:00 AM-12:00 PM- Talk-7: **Sculpting Silica Colloids at Nanoscale and their Applications**

12:00 PM-01:00 PM- Talk-8: **Primary-Colour Emitting Photon Energy Storage Nano phosphors for Developing High Contrast Latent Fingerprints**

01:00PM-01:30PM -Valedictory session

Eligible criteria for the Participants

Research Scholars, Academicians, PG Students, Researchers and UG students of MME, RGUKT-AP

General Information to participants

- Registration is free.
- Eligible participants are request to fill the registration form --<https://forms.gle/19DbhnbaV61hMhsZ8>
- Meeting link will be intimated to the registered e-mail and whatsapp group.
- We accommodate only 250 participants, hence kindly complete the registration as early as possible on or before 6:00AM, 15th August 2020
- E-Certificate will be provided only to those who register, attend all the sessions, and submit the feedback form.

Chief patron

Prof. K.C. Reddy

Hon'ble Chancellor, RGUKT –AP

Organizers

Mr. M Bhaskaraiah, Assistant Professor , Department of physics, R.K.Valley

Dr. E. Bhawani, Mentor, Department of physics, R.K.Valley

Dr.Balgovind Tiwari, Assistant Professor, Department of physics, R.K.Valley

Dr.G Karthick Kumar Reddy, Assistant Professor, Department of physics , R.K.Valley

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Administrative Officer, RGUKT-R.K.Valley

Convenor

Dr. G Ramesh

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