

## Faculty of Mathematical & Physical Sciences

The Faculty of Mathematical & Physical Sciences offers Undergraduate Programmes leading to B.Sc. (Hons) Chemistry, Physics, Mathematics and Statistics. FMPS also offers postgraduate Programmes leading to M.Sc. degree in Physics, Chemistry and Mathematics. FMPS offers Ph.D. degree in Physics, Chemistry and Mathematics.

### Department of Chemistry is Organizing a Webinar on Renewable Energy and its Landscape



**Prof. Arun Kumar,**  
National University,  
San Diego, USA

Prof. Arun Kumar has an MSEE degree from the University of Oklahoma, USA and an MBA from the University of South Florida, USA. He has an undergraduate degree in Engineering (E&C) from the University of Mysore. He is a passionate advocate of sustainability, renewable energy, and value-based interdisciplinary education. Currently, he is teaching LEED (Leadership in Energy and Environmental Design) standards, Energy Efficiency, Life Cycle Analysis, Risk Management and Strategic Energy Management courses at National University in San Diego, CA. He was the cofounder of Global Renewable Energy and Power Incorporated with a focus on training the next generation of energy workforce and development of Renewable Energy systems and Biofuels. He is an active volunteer with engineers without borders and has Installed a Solar PV system and RO water purification plant at a village near Ongole in Andhra Pradesh and has audited EWB Solar PV projects.

**Abstract:** Any physical activity in this world, whether carried out by human beings or by nature, is caused by the flow of energy in one form or another. The work output depends on the energy input. Renewable Energy Resources is a numerical and quantitative text that is a major input for the global economic importance. Renewable energy, defined as energy supplies from renewable resources including solar, tidal, ocean, biofuels, wind, hydro, and geothermal sources, is an essential component of every nation's energy strategy because of concerns for the environment and sustainability. Renewable energy has matured: it makes sense, it benefits the government, and business. Webinar will gauge the progress in the traditional Hydro, Solar, Wind along with Energy Efficiency measures, new trends such as Biofuels, Waste to Energy, Net Zero Buildings and distributed energy models. Talk will also address the interdisciplinary nature of innovation and applications.

#### Programme Coordinators:

**Dr. Jyotsna Kumar (7349543264)**

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**Date: 25<sup>th</sup> February, 2023**

**Venue: A-205, RTC, RUAS**

**Time: 10.30 am**

**Mode: Online/Offline**

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