



SEMINAR



Dr Pankaj Kumar Maharaja Agrasen University, India

Date

Thursday, 23 May 2024

Time:

12h15-13h15 SAST

Venue:

- NITheCS Seminar Room University of KwaZulu-Natal Westville Campus 3rd Floor, H-Block, School of Chemistry and Physics
- Online

Refreshments will be served.

Enquiries:

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The Standard Model of the Universe, its Problems and Beyond

ABSTRACT:

In this talk, I will briefly discuss the standard model of the universe based on the general theory of relativity. Then, I will discuss the problems associated with this model. Further, I will discuss alternatives provided in the literature to avoid these problems of the standard model like dynamical dark energy candidates and modified theories of gravity. After that, I will discuss some of my recent works in modified theories of gravity which present some interesting results. These works have been carried out in Brans-Dicke and f(R, T) theory of gravity.

Dr Pankaj Kumar is an Associate Professor in the Department of Mathematics at Maharaja Agrasen University in Himachal Pradesh, India.

WHO SHOULD ATTEND?

This colloquium talk is intended to be accessible to postgraduate students. All are welcome!

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