

PATRON

Prof. Raj Kumar

Hon'ble Vice Chancellor
Panjab University, Chandigarh

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THEME

The newly emergent human virus SARS-CoV-2 is resulting in rapid spread of infection and incapacitated health systems. Understanding the transmission dynamics of the infection and evaluating the effectiveness of control measures (lockdown and testing) are crucial for assessing the potential for sustained transmission to occur. A Bayesian model has been considered to observe deaths, inferring plausible upper and lower bounds (Bayesian credible intervals) of the total populations infected (attack rates), case detection probabilities and the reproduction number over time. MCMC technique has been used for analyzing the data.

The present investigation as such recommends the Government to decide the right measures to take up so as to reduce the transmission of the virus and to open partial economic activities in different districts of a state and the same idea can also be extended to containment zones with sufficient data at hand.

SPEAKER

Professor Kalyan Das, Department of Mathematics, IIT Bombay

Brief Profile: Prof. Kalyan Das has obtained his Masters and Ph.D in Statistics from University of Calcutta and Post-Doc from University of Montreal. Before joining Professor at IIT Bombay in 2017, he worked as Professor in the Department of Statistics, University of Calcutta from 1998-2017. His research interests includes Precision (Personalized) Medicine, Ordinal Regression, Joint Likelihood, Missing and Misclassified Data and Zero Inflated Data. Besides having many Awards and Honours to his credit, he was also distinguished visiting Professor at University of North Carolina, Texas A & M University, Carleton University, Ottawa, Purdue University, Indiana, and Washington University Medical School, St. Louis, USA.

WHO CAN ATTEND

Faculty and Research Scholars from different Universities / Institutions / Colleges.

REGISTRATION

Free registration can be done by 1.6.2020 (4:30 PM) at e-mail: chstats20@gmail.com

TIME 10:00 AM ONWARDS

Online Link of the seminar will be shared to Registered participants and speakers only.

ONLINE ONE-DAY NATIONAL WEBINAR

On

**COVID-19 in India – A Statistical
Study on the Dynamics of
Transmission and Control through
Non-pharmaceutical
Interventions (NPI)**

June 2, 2020



**Organized by
Department of Statistics
Panjab University, Chandigarh-160014 INDIA**

LOCAL HOST/COORDINATOR

**Dr. Manoj Kumar Tiwari
Chairperson
Department of Statistics
Panjab University, Chandigarh**