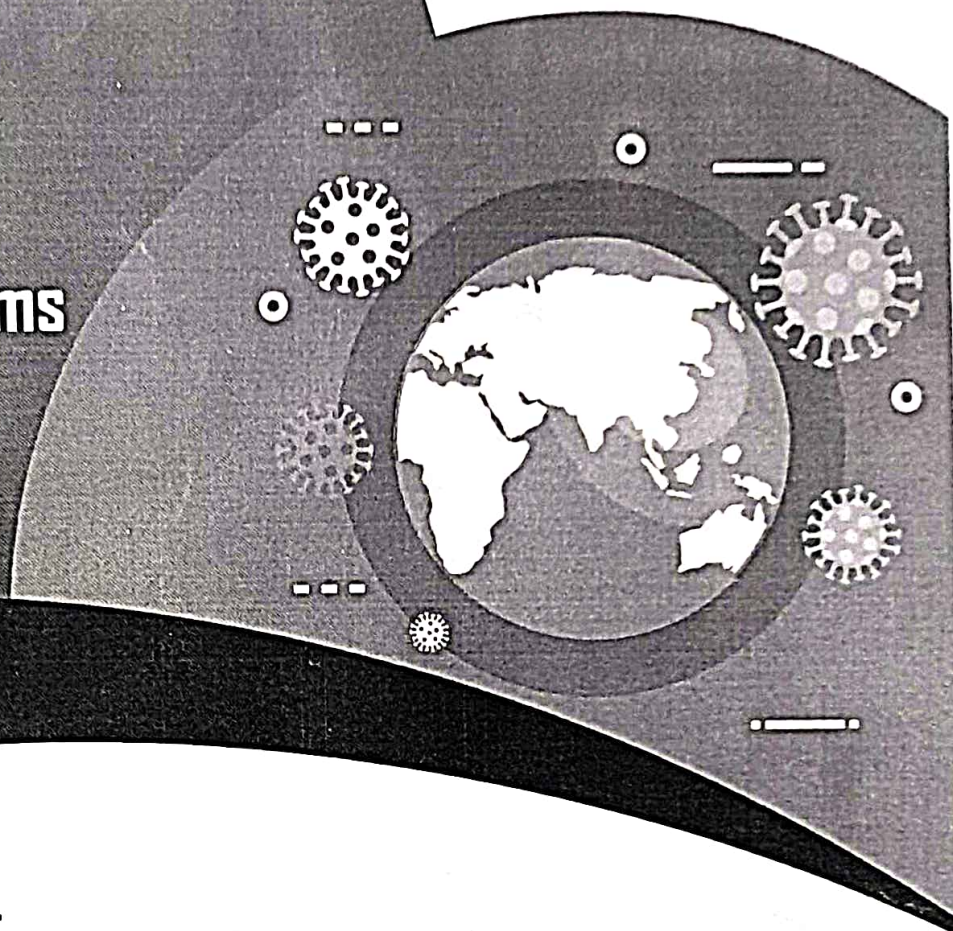


INTERNATIONAL WEBINAR 2020

Crucial Roles of Biological Rhythms in Health and Diseases

8th August, 2020
6 pm onward (IST)



Organized By:

Department of Microbiology & IQAC,
Asutosh College

In Collaboration With:

Department of Economics & IQAC,
Dhruba Chand Halder College



Dr. Sandipan Ray

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CONCEPT NOTE

Circadian clocks (or biological rhythms) have a profound impact on human health because they play a central role in coordinating daily physiological processes, including the functions of innate and adaptive immunity. The 2017 Nobel Prize in Physiology or Medicine for the discoveries of molecular mechanisms controlling the circadian rhythms clearly emphasizes the immense significance of this field in healthcare. Consequently, a comprehensive understanding of circadian physiology and body clocks has profound implications in translational healthcare research. Circadian dysfunction is associated with the increased risks of cancers, infectious diseases, diabetes, cardiovascular and metabolic disorders. Circadian clocks control the function of our immune system, virus replication, and the severity of infections. Our daily rhythms also regulate the pharmacokinetics and efficacy of several therapeutics. Consequently, a better understanding of the effects of circadian biology on SARS-CoV-2 infection would improve the clinical management of the Coronavirus disease 2019 (COVID-19).

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TECHNICAL SPECIFICATIONS

- 1) Meeting ID and other information will be sent to enrolled participants through email, 24 hours before the date.
- 2) All participants are requested to keep their audio and video mute during the talk. If anyone presents screen, he / she will be banned from the webinar.
- 3) Participants will be allowed to ask questions through chat box of Google Meet.
- 4) Organizers will not be responsible for any comments made by speakers or participants.
- 5) E- certificate will be provided at the end of the seminar. Feedback link to receive certificate through e-mail will be provided 15 minutes before the end of the seminar.


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