

WEBINAR REPORT

NATIONAL WEBINAR ON "HUMAN DISEASES: A MATHEMATICAL APPROACH"

(June 14-15, 2020)

Organized by

**Faculty of Mathematics & Statistical Sciences
Institute of Natural science and Humanities
Shri Ramswroop University, Deva Road, Barabanki-225003**

Time: 11:00 AM-12:00 PM

Invited Speakers:

Dr. Nishat (Senior Geologist, Geological Survey of India, Chandigarh)

Dr. Naveen Gautam (Assistant Professor, Department of Urology and Renal Transplantation, SGPGIMS, Lucknow)

Organizers:

Prof. (Dr.) B. M. Dixit, Chairman (Director INSH),

Prof. (Dr.) V. N. Pathak, Vice-Chairman (Dean FOMSS),

Dr. Dilip Kumar Jaiswal (Convener),

Dr. Kulbhushan Singh (Organizing Secretary),

Dr. Anurag Agnihotri (Secretary)

Hosted by: Dr. Vimlesh & Mr. Pankaj Tripathi (Technical Assistant)

A two day National Webinar was organized with the theme of Human Diseases: A Mathematical Approach. More than 250 delegates from different states of India participated in this Webinar. Participants were students, research scholars, faculty members, Principals, Directors and Scientist from different Universities (Central/ State), Institutes and Colleges.

On 14th June 2020, first day of Webinar, hosted by Mr. Pankaj Tripathi with his warm welcome and then inaugural session was started with the speech of Convener of the National Webinar, Dr. Dilip Kumar Jaiswal, Assoc. Prof. (FOMSS). He introduced the theme of Webinar

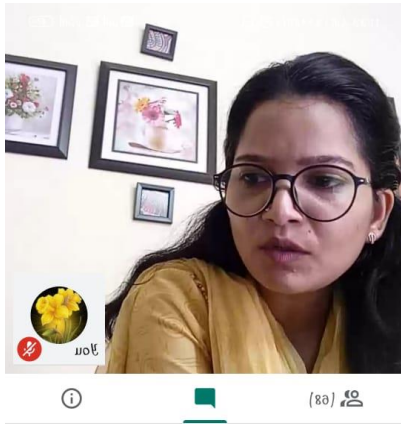
and presented the outline of two days program. Our source of energy and motivation, respected Director Prof. (Dr.) B. M. Dixit welcomed all resource persons and participants of the Webinar with his precious words. After that Dean FOMSS, Prof. (Dr.) V.N. Pathak enlighten on two days Webinar programme. Prof. Pathak told about the Webinar and welcomed to our guest and all participants.

Dr. Nishat was the first day speaker of the Webinar. Introduction of Dr. Nishat was given by Dr. Dilip Kumar Jaiswal. Dr. Nishat did her Ph. D. from Lucknow University, Lucknow. Presently she is Senior Geologist in a Geological Survey of India, Chandigarh. Topic of her talk was Transmission of Human infection with SARS-CoV2 its causes, Symptoms and measures: An Overview. Dr. Nishat told about the structure of corona virus, its genetic material and outer covering. The lecture was not only limited to the structure and spread of corona virus but it also covered various aspects of lockdown regarding causes and its effects. She also presented the positive and negative effects of COVID on the environment. She told that the air and water quality is improved in the time of COVID-19. She also shows various graphs regarding of pandemic situations of India. (For detail the PDF of presentation is provided).

Dr. Naveen Gautam was the speaker of second day of Webinar. His topic was Development of Drosophila based model for the assessment of xenobiotic mediated renal tubular toxicity. Introduction of Dr. Naveen Gautam was given by Dr. Dilip Kumar Jaiswal. Dr. Gautam did his Ph. D. from of BHU Varanasi and presently he is working as Assistant Professor, Department of Urology and Renal Transplantation, SGPGIMS, Lucknow. He discussed Xenobiotic mediated renal toxicity which is one of the major health concerns to the human population. New chemicals with nephrotoxic potential are continuously being added to the list of existing nephrotoxicants. Dr. Naveen said, to predict the nephrotoxicity of these new chemicals, reliable and cost-effective alternative animal models are required. It is a prerequisite for the identification and assessment of these compounds as potential nephrotoxicants to prevent renal toxicity in the exposed population. He shows his research and experiments about these with various graphs and discussions. (For detail the PDF of presentation is provided).

Dr. Kulbhushan Singh on first day and Dr. Anurag Agnihotri on second day announced the Q/A session invited from participants to ask their queries related to the talk. Then after Q/A session, Prof. Dixit, Prof. Pathak and Dr. Dilip Kumar Jaiswal expressed their gratitude and deep thanks towards Dr. Nishat and Dr. Naveen Gautam and all the participants and gave special thanks to Mr. Pankaj Tripathi for his throughout technical assistance in this whole event. Also Prof. Dixit expressed his willingness to have some more talks and Webinar in coming future and

invited Dr. Nishat and Dr. Naveen Gautam to be the speakers in these coming Webinars and to be apart of our forthcoming university Webinars. Finally Dr. Dilip Kumar Jaiswal gave thanks to each and every person those were directly or indirectly involved in completion of the Webinar.



**Dr. Nishat, Senior Geologist
GSI, Chandigarh**



**Dr. Naveen Gautam, Asst. Professor
Department of Urology and Renal
Transplantation, SGPGIMS, Lucknow**