



Summary Report Outline

A One Day State Level Webinar on "**Health Aspects and Management of Covid-19 Pandemic**" Organized by Department of Physiology Under the guidance of IQAC, Narajole Raj College.

Date of the Webinar: 29th June, 2020.

Time of the Webinar: 10:45 A.M. – 2:00 P.M.

Department of Physiology of Narajole Raj College has organised a One Day State Level Webinar on "**Health Aspects and Management of Covid-19 Pandemic** " on 29.06.2020 at 10:45 a.m. under the guidance of IQAC, Narajole Raj College. We are feeling very blessed to host this State Level Webinar, particularly in Covid time.

1. Rationale of the Webinar:

As we, all know that the outbreak of Corona virus has disrupted the normal life all over the world; an unprecedented situation has forced us to see the world from a completely new perspective. Considering the massive health and economic burden due to COVID-19 pandemic, it is important that communities take action and follow certain necessary steps so as to prevent further transmission and support some control measures. With active support of the society, it is possible to face the challenges and threats posed by the growing pandemic COVID-19. The most important factor in preventing the spread of Corona virus is to create awareness among the citizens with the certain precautions and control measures, thus avoiding exposure to the virus. So with this objective of contributing knowledge regarding the management of COVID-19 through digital platform, this National Webinar on "**Health Aspects and Management of Covid-19 Pandemic**" has been organised by COVID-19 (Redressal) cell of Narajole Raj College with an aim to disseminate knowledge on how to mitigate the deleterious effects of COVID-19 on population health through integrated and synergistic approach of healthy living and lifestyle changes.

2. Plane of work:

At first a meeting was arranged to organize a state level Webinar on Covid-19 Pandemic. In the meeting we were planning to successful the programmes under the guidance of IQAC, Narajole Raj College. We selected the date and time for this Webinar. The date of the Webinar was 29th June 2020. We distributed the work among students and teachers. We selected Chief Patron as Dr. Anupam Parua, Convener as Dr. Parimal Dua, and Treasurer as Prof. Suman Kalyan Khanra. We selected Dr. Poulami Mukherjee as an anchor to conduct the Webinar. We also decided a topic of the Webinar. The title was “**Health Aspects and Management of Covid-19 Pandemic**”. We also decided that a good number of renowned academicians from various Institutes /Universities have graced the Webinar with their profound knowledge and fruitful presentations. Selected Guests were **Dr. Kishalay Jana, Dr. Keshab Chandra Mondal, Dr. Chandradipa Ghosh, and Dr. Goutam Paul**. The technical part of the Webinar was supported by **Prof. Barun Raut, Dr. Shreyasi Jana and Dr. Avradip Pradhan** under Technology Sub-committee. The certificate was issued by Prof. Barun Rout under Technology Sub-committee.

3. Schedule of the Webinar:

10:45 AM - 11:00 AM	Joining the Webinar through Google Meet app with the link already provided.
INAUGURAL SESSION:	
11:00 AM - 11:05 AM	Programme will start with Rabindra Sangeet Anushree Biswas Student, 6th Semester, Narajole Raj College
11:05 AM - 11:15 AM	Introductory address Dr. Anupam Parua Principal, Narajole Raj College
11:15 AM - 11:25 AM	Welcome Address Dr. Poulami Adhikary (Mukherjee) Assistant Professor, Dept. of Zoology, Narajole Raj College
TECHNICAL SESSION:	
11:25 AM - 11:50 AM	Discussion on topic “Exploring and Understanding the Covid-19 Pandemic: Epidemiology” Dr. Kishalay Jana

11:50 AM - 12:20 PM	<p>District Epidemiologist, Paschim Medinipur Discussion on topic “Pathophysiology of Covid-19” Dr. Keshab Chandra Mondal Professor & Head, Dept. of Microbiology, Vidyasagar University</p>
12:20 PM - 12:50 PM	<p>Discussion on topic “Survival Challenges with Covid-19: Infection and Immunity” Dr. Chandradipa Ghosh Professor, Dept. of Human Physiology, Vidyasagar University</p>
12:50 PM - 1:20 PM	<p>Discussion on topic “Health Impacts of Covid-19: Physiological Basis and Management through Personal Hygiene” Dr. Goutam Paul Professor & Pro Vice-Chancellor, Kalyani University</p>
INTERACTIVE SESSION:	
1:20 PM - 1:30 PM	Interaction between Participants and Resource Persons
VALEDICTORY SESSION:	
1:30 PM - 1:40 PM	<p>Presidential Address Dr. Anupam Parua Principal, Narajole Raj College</p>
1:40 PM - 1:50 PM	<p>Vote of Thanks Dr. Nilanjana Bhattacharyya Co-Ordinator, IQAC, Narajole Raj College</p>

♣ **MEMBERS OF COVID-19 (REDRESSAL) CELL:**

- **Dr. Parimal Dua**
Assistant Professor & Head, Dept. of Physiology, Narajole Raj College as **Convener**
- **Dr. Dipak Shom**
Assistant Professor & Programme Officer, NSS, Narajole Raj College as **Member**
- **Dr. Nilanjana Bhattacharya**
Associate Professor & Co-Ordinator, IQAC, Narajole Raj College as **Member**
- **Dr. Ranajit Kumar Khalua**
Assistant Professor & Head, Dept. of Zoology, Narajole Raj College as **Member**
- **Prof. Nandita Bhakat**
Assistant Professor, Dept. of Botany, Narajole Raj College as **Member**





❖ **TECHNICAL SUPPORT:**

Prof. Barun Raut, Dr. Shreyasi Jana & Dr. Avradip Pradhan

Members, Technology Sub-Committee

Narajole Raj College

4. List of Speaker:

Sl. No.	Name of the Speaker	About Speakers	Picture of Speakers	Topic
1.	Dr. Kishalay Jana	District Epidemiologist, Paschim Medinipur M.Sc., Ph.D. Email ID: kjana_biomed@yahoo.com		Discussion on “Exploring and understanding the Covid-19 Pandemic: Epidemiology ”
2.	Dr. Keshab Chandra Mondal	Professor & Head, Dept. of Microbiology, Vidyasagar University M.Sc., Ph.D. Email ID: mondalkc@gmail.com		Discussion on “Pathophysiology of Covid-19”
3.	Dr. Chandradipa Ghosh	Professor, Dept. of Human Physiology, Vidyasagar University M.Sc., Ph.D. Email ID: ch_ghosh@mail.vidyasagar.ac.in		Discussion on “Survival Challenges with Covid-19: Infection and Immunity”
4.	Dr. Goutam Paul	Professor & Pro Vice-Chancellor, Kalyani University M.Sc., M.Phil., Ph.D., D.Sc., FIUPS, FABMS Email ID: goutampaul.ku@gmail.com		Discussion on “Health impacts of Covid-19: Physiological basis and management through personal hygiene”

Brief Bio of Speakers:

Speakers	Brief bio of speakers
Dr. Kishalay Jana	Dr. Kishalay Jana is a District Epidemiologist of Paschim Medinipur. His educational qualifications are M.Sc., Ph.D. He is a Zoology graduate from Midnapore College and has completed his M.Sc. and Ph.D. in Biomedical from Vidyasagar University. He has discussed on the topic “ Exploring and Understanding the Covid-19 Pandemic: Epidemiology ”.
Dr. Keshab Chandra Mondal	Dr. Keshab Chandra Mondal is a Professor & Head of the Dept. of Microbiology, Vidyasagar University. His educational qualifications are M.Sc., Ph.D. He is a Human Physiology graduate from Midnapore College and has completed his Ph.D. in Applied Microbiology from Vidyasagar University. He was awarded Chancellors Gold medal for scoring the first rank in M.Sc. examination in University in the year 1991. Since last 23 years, he is serving at the Faculty of Raja N L Khan Women’s College and Microbiology Department, Vidyasagar University in various capacities. He is a renowned academician and scientist in the area of Microbial enzymes (Amylases, Keratinase, Chitinase, Tannase, Cellulases, Xylanase, etc), gut flora, probiotics and fermented foods. His research efforts have been focused on understanding the diversity of intestinal bacteria particularly during environmental stress. The nutrient components, microbial diversity and enzymes in traditional fermented foods are also his research field. He is developing functional foods having anti-obesity and antitoxic potentialities by using probiotic bacteria and yeasts from traditional fermented foods. He is handling number of research projects sponsored by UGC, DBT, CSIR, DST, State Govt., and has published more than 140 scientific papers, 5 review papers, 13 book chapters, and one text book from CRC press. He has guided more than 100 dissertation projects, 4 M.Phil students, produced 16 Ph.D students and presently 5 Research Scholars are pursuing Ph.D under his guidance. He is the recipient of “Ramendra Sundar Sinha Memorial Award - 2012” from the Physiological Society of India (PSI), Indo-Hungarian fellowship in 2014 and Tempus Public Foundation fellowship, Hungary for the year 2015 to 16. He is a Life member of several professional bodies like Asian Federation of Biotechnology (AFB), Indian Science Congress Association (ISCA), Biotech Research Society of India (BRSI), Indian National Academy of Stress Sciences (INASS), Association of Microbiologists of India (AMI), and Physiological Society of India (PSI). He has widely travelled in Europe and many other countries and has delivered lead talks in many conferences and has organized several conferences and workshops. He is a regular reviewer for manuscripts of several reputed Indian and International journals. He has discussed on the topic “ Pathophysiology of Covid-19. ”
Dr. Chandradipa Ghosh	Dr. Chandradipa Ghosh is a Professor of the Department of Human Physiology, Vidyasagar University. Her educational qualifications are M.Sc., Ph.D. She was a NET (JRF) – CSIR Research Fellow in the Department of Microbiology, Bose Institute, Kolkata from 1994 to 1996. She has been worked in the Department of Human Physiology with Community Health, Vidyasagar University since January, 1996. She was also a Post Doctoral Research Fellow in the Department of Microbiology & Immunology, University of Texas Health Science Center at San Antonio, Texas, USA from 2003 to 2004 in NIH-funded research project. She was awarded Prof S.R. Moitra Memorial Gold Medal and Prof S.C. Mahalanabis Memorial Book Prize for obtaining First Position in Physiology in B. Sc Hons. Examination in the year 1991. She was also awarded Gold Medal for obtaining First Position in Physiology in M. Sc Examination under Calcutta University in 1993. She is the recipient of Sri Ramendra Sundar Sinha Memorial Silver Medal by Physiological Society of India in the year 2015 and Siksharatana Sammanana Award by Government of West Bengal in 2017. Her research interests include Quorum sensing regulation and other cell signaling phenomenon for environmental persistence and pathogenic properties of clinical and environmental isolates of <i>Vibrio cholerae</i> . Understanding of pathogenesis of <i>Vibrio cholerae</i> clinical and environmental isolates,

	<p>Pathogenesis and survival fitness of hospital associated and community associated <i>Staphylococcus aureus</i>, Microbial diversity, bioremediation. Lifestyle, obesity and risk of coronary artery disease in different age groups and occupational activities. He has authored of many research articles/books related to Quorum sensing regulation and other cell signaling phenomenon for environmental persistence and pathogenic properties of clinical and environmental isolates of <i>Vibrio cholera</i>. She has attended many invited Lectures, Conferences, Seminars and Workshops. She is a Life Member of Indian Science Congress Association (ISCA), Physiological Society of India (PSI) and Biotechnology Research Society of India (BRSI). She has completed a number of research project works sponsored by UGC, ICMR, DST etc. and has 29 research papers published in National and International Journals and 3 Books. She has produced 6 Ph.D. students and presently 6 Research Scholars are pursuing Ph.D under her guidance. Her topic of discussion has “Survival Challenges with Covid-19: Infection and Immunity.”</p>
<p>Dr. Goutam Paul</p>	<p>Dr. Goutam Paul is a Professor & Former Head of the Dept. of Physiology, University of Kalyani & Former Dean of Science, University of Kalyani. His current position is Pro Vice-Chancellor of Kalyani University. His educational qualifications are M.Sc., M.Phil., Ph.D., D.Sc., FIUPS, FABMS. He is a Gold Medallist from University of Calcutta for scoring the first class first rank in M.Sc. in the year 1988. He has completed his M.Phil in Environmental Science from University of Calcutta in the year 1989, Ph.D. in Physiology from University of Calcutta in the year 1999 and D.Sc. in Physiology from Kalyani University in the year 2016. He is the recipient of International Union of Physiological Sciences Fellowship, 1997; Young Investigator Award, 2001; ‘MABMS’ title in the year 2007 and ‘FABMS’ title in the year 2008 for his scientific contribution in the biomedical field by the Indian Association of Biomedical Scientists.</p> <p>He is also the recipient of Dr. M. S. Krishnamoorthy Award for the year 2010 for his research paper in the field of Environmental Toxicology and Pharmacology; Ramendra Sundar Sinha Gold Medal of Physiological Society of India for his contribution in the field of physiology in 2011; Mahasweta Devi Smriti Award in 2017 for his outstanding contribution for popularizing the science and Raj Kristo Dutt Memorial Award 2017-18 of Indian Science Congress Association 2018 for his outstanding contribution in the field of science and technology in country. He has 29 years of Teaching experience; 29 years of Research Experience and 20 Years of experience as Research Guide. He has lot of experiences in Administrative and Academic Governance.</p> <p>His area of specialisations are Molecular, Cellular and Systemic Neurophysiology; Electrophysiology; Molecular Neurotoxicology; Environmental Physiology including toxicology and microbiology; and Climate Change Science. His areas of research are Molecular Neurotoxicology; Gastrointestinal Toxicology; Reproductive Toxicology; and Cardiovascular Toxicology; Environmental Microbiology; Livestock and Horticultural Ecology.</p> <p>His contribution to the promotion of Physiology is immense. He has attended many International and National Conferences. He is the Founder General Secretary of Society for Environmental Physiology of India, Life Member of Indian Science Congress Association (ISCA), Physiological Society of India (PSI) and Indian Association of Biomedical Scientists (IABS). He is the Editor-in-Chief of the Journal of Environmental Physiology published by the Department of Physiology, University of Kalyani and reviewer of the Journal Environmental Toxicology and Pharmacology, Fundamental and Clinical Pharmacology, International Journal of Pharma and Bio Sciences, International Journal of Food Properties, Food and Chemical Toxicology etc. He is the Mentor and Principal Investigator of many major research projects sponsored by UGC, DST etc. He has guided almost 130 dissertation projects, 2 M.Phil students, 5 Post Doctoral Research fellows, produced 17 Ph.D students and presently 7 Research Scholars are pursuing Ph.D under his guidance. He has 177 publications in both National and International Journals, 119 Research Papers, 9 Books, 5 Monographs, 14 GenBank</p>

	Submission and 30 Articles in Newspapers (At Editorial Columns). He has discussed on the topic “ Health Impacts of Covid-19: Physiological Basis and Management through Personal Hygiene ”.
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5. Themes Addressed:

- ✚ Dr. Kishalay Jana has discussed on the topic “Exploring and Understanding the Covid-19 Pandemic: Epidemiology”.
- ✚ Dr. Keshab Chandra Mondal has discussed on the topic “Pathophysiology of Covid-19.”
- ✚ Dr. Chandradipa Ghosh has discussed on the topic “Survival Challenges with Covid-19: Infection and Immunity.”
- ✚ Dr. Goutam Paul has discussed on the topic “Health Impacts of Covid-19: Physiological Basis and Management through Personal Hygiene”.

6. Outcomes of the Webinar:

- 1) All the participants got the idea about the present situation of COVID-19 pandemic and our health status and its consequences.
- 2) The discussion revealed about Corona Virus and suggesting about diet to safe from this virus.
- 3) The discussion also showing our immune system and also showing how our immunity affected by different microbes.
- 4) The discussion also explored the policies that promote high-quality health services in this current situation.
- 5) The discussion considered the health and hygiene in Covid-19 Pandemic situation.
- 6) All the participants follow certain necessary steps so as to prevent further transmission of virus and support some control measures in future.
- 7) The discussion proposed the several approaches to improving health systems to face Covid-19 Pandemic situation.
- 8) All the young students and teachers made themselves thoroughly updated on the topic and gained knowledge regarding the management of COVID-19 and follow in future.

7. Students’ feedback:

Students’ feedback: The response of the participants was very positive. The students spontaneously interacted with the resource persons during the interactive sessions. All the

students gained huge knowledge on the topics. In brief, the Webinar was enabled to fulfill the academic thirst and philosophical aspects of the participants.

8. No of Participants:

Total number of participants was 200. Faculty members of our college and students of our college have participated in this State Level Webinar.