

Part-I Departmental News

A. Any significant performance/ improvement of the department in 2020:

Prof. Sougata Ghosh published one book on Parasitology entitled “Paniker’s Textbook of Medical Parasitology”.

B. Any special event/ performance/ occurrence of the Department (if any)

1. Molecular Laboratory for detection of COVID 19 by RT PCR method was established
2. Truenat machine for detection of COVID 19 was installed in the Research Laboratory of the Department

PART – II

Academic activities

A. Number of Seminars held Number & Name of Workshops (if any): Seminars: 16

B. Number & Name of Conference organized in the department (if any): Nil

C. Number & Name of Research completed in the department: 02 (Two)

(Including the Title & persons participated)

1. Change in normal faecal flora in patients during prolonged hospital stay in a tertiary care hospital in Kolkata, Dr. Sayanee Biswas.
2. Study of Microbiological profile in patients of keratitis in a tertiary care hospital in Kolkata, Dr. Pritha Pramanick.

D. Number & Name of Research going on in the department (Including the Title & persons participated): 04 (Four)

1. A study to find correlation between SARS CoV2 viral load with clinical outcome in different risk groups Dr. Gautam Barik, Dr. Mandira Chakraborty, Dr. Somosree Ghosh.
2. Change in trend of aerobic bacterial profile isolated from blood samples of patients admitted in a tertiary care hospital in Kolkata, Dr. Jayasri Biswas

3. Study of genotypic variability of hepatitis C virus and difference in pattern of response in respect of hepatitis C virus load following direct acting antiviral agents in tertiary care hospital in Kolkata, Dr. Pranati Biswas.
4. A study on bacteriological profile and antibiogram in surgical site infection in a tertiary care hospital in Kolkata, Dr. Rituparna De.

F. Paper Published in International Journal (if any):

1. Mallika Sengupta 1, Riya Sarkar 2, Soma Sarkar 3, Sougata Ghosh 4, Parthajit Banerjee 5 and Manideepa Sengupta 6, Excellent fosfomycin and linezolid susceptibility among multidrug resistant urinary Enterococcus isolates in Eastern India, World Journal of Advanced Research and Reviews, 2020, 07(02), 331–335
2. S. Sarkar, D. Sarkar, A. Namhata, and M. Sengupta. “Arbekacin – A ray of hope to fight against MDR and XDR gram-negative bacteria in a scientific and cost-effective way in Indian scenario”. Asian Journal of Pharmaceutical and Clinical Research, Vol. 13, no. 5, Mar. 2020, pp. 121-5
3. Raja Bhattacharya¹, Sampurna Chowdhury¹, Anita Nandi², Rishav Mukherjee^{1*}, Manish Kulshrestha³, Rohini Ghosh³, Souvik Saha⁴ Pre-exposure hydroxychloroquine prophylaxis for COVID-19 in healthcare workers: a retrospective cohort. International Journal of Research in Medical Sciences.
4. Ghosh S, Chakraborty M, Samanta S, Sinha N, Saha S, Chattopadhyay A, Roy SS, Bhattacharyya M. Analysis of blood stream infections, antibiograms and clinical outcomes in haematological patients with febrile neutropenia: data from a tertiary care haematology institute in India. Ann Hematol. 2020 Nov 2.

G. Paper Published in Indexed Journal (if any):

1. Sarkar, Soma; Dutta, Shanta; Namhata, Anjum; Banerjee, Chayanika; Sengupta, Mallika; Sengupta, Manideepa. Journal of Clinical & Diagnostic Research. Oct 2020, Vol. 14 Issue 10, p22-27. 6p.

H. Paper presented in International Conference (if any): Nil

I. Paper presented in National Conference (if any): Nil

J. Paper presented in State Conference (if any): Nil

K. Name of the Book & the author written/ written a chapter of a book (if any): One book on Parasitology entitled “Paniker’s Textbook of Medical Parasitology” by Prof. Sougata Ghosh.

L. Name of the person attending any International Conference (with the name of the conference): Nil

M. Name of the person attending any National Conference (with the name of the conference): Nil

PART – III

Year-wise PG Students with names in the Department (as applicable)

Post Doctoral			Degree				Diploma			Other (Name the Course)		
NA							NA			NA		
Passed	2 nd Yr	1 st Yr	Passed	3 rd Yr	2 nd Yr	1 st Yr	Passed	2 nd Yr	1 st Yr	Passed	2 nd Yr	1 st Yr
			02	02	02	01						

PART – IV

General Departmental facilities:

- Total no. of beds in the department.
- No. of Units in the department.

PART – V

Available Clinical Material:

- **Special Clinic**

New			Old			Total	
M	F	T	M	F	T	M	F

- **IPD**

Operations			Special Investigations
Major	Minor	OPD OT	

Annual Report (Clinical Investigation Work) in
Department of Microbiology
CLINICAL MICROBIOLOGY

TEST	2020 (01-01-20 to 19-12-20)	
<u>CULTURE</u>		
Anaerobic Culture	4375	
Blood Culture	1802	
CSF, Body Fluid, Sputum, Pus, Aural Swab, Eye Swab, Throat Swab, Others	1706	
Urine Culture	2840	
Drug Sensitivity	2257	
Fungal Culture	145	
<u>SMEAR STAINING</u>		
Gram Stain	1421	
ZN Stain	343	
Direct Microscopy (Fungus)	145	
Modified ZN Stain (Cryptosporidium, Isospora, Microspora & CSF for Cryptococcus by Capsule Stain)	05	
<u>SERO-IMMUNOLOGY</u>		
HBsAg	Outdoor: 6411	Indoor: 2701
Anti- HCV	Outdoor: 6411	Indoor: 2701
Widal	299	
HIV (NACO-SRL)	EQAS: 404	
<u>IgM CAPTURE MICRO-ELISA</u>		
Dengue	IgM- 757	NS1- 894
<u>COVID-19</u>		
RT PCR	86842	
Truenat	1255	
CBNAAT	144	