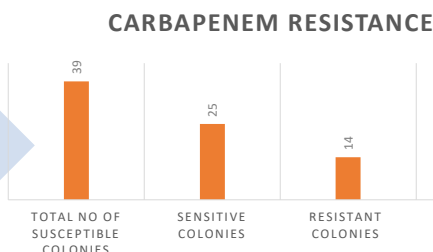
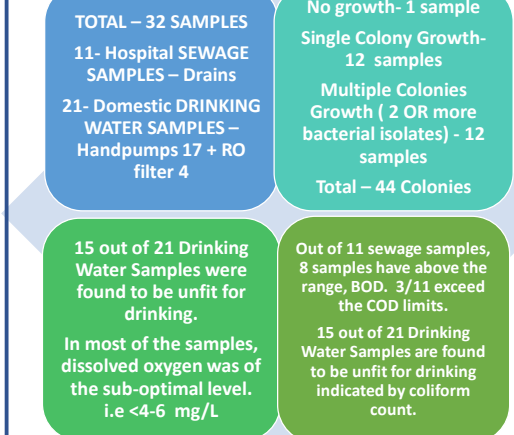
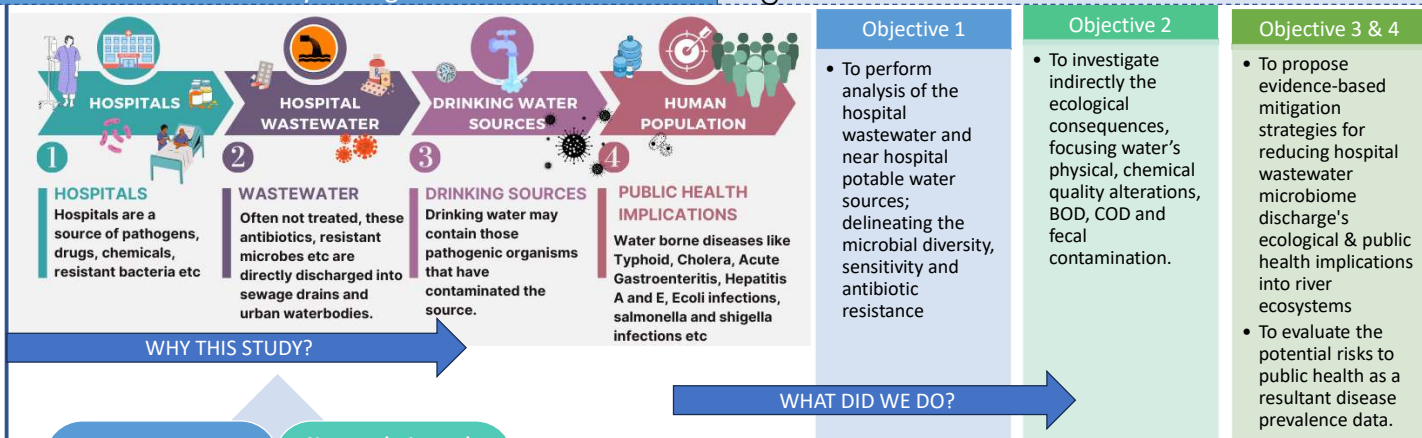


Sponsored Thesis Project Competition on "Re-imagining Urban Rivers"

Assessing the Public Health Implications of Hospital Wastewater Discharge into Urban River Ecosystems: A case study of Aligarh

AATIKA
MBBS 2018 Jawaharlal Nehru Medical College
Aligarh



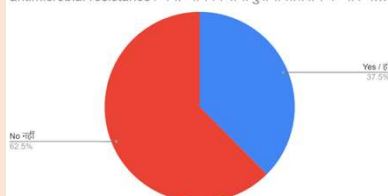
Colonies of Bacteria	No. of colonies Resistant to Carbapenem
Pseudomonas	6
Acinobacter	5
Klebsiella	3
Citrobacter	0
E coli	0
Staph Aureus	NA



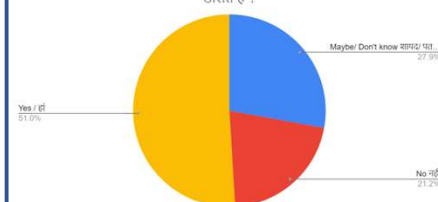
WHAT DID WE FIND OUT?

21 out of 105 respondents were unsure or didn't know that hospital wastewater can be a source of many diseases
Almost half (51/105) of the respondents were unaware of the fact that the nearby hospitals don't comply to wastewater treatment protocols and discharge their effluents into nearby waterbodies without or partial treatment.
61 out of 81 respondents who acquired water-borne diseases received antibiotics for treatment out of which over 2/3rd of them didn't know or didn't have culture and sensitivity testing indicating High Risk AMR behaviour contributing hugely to public health impact.

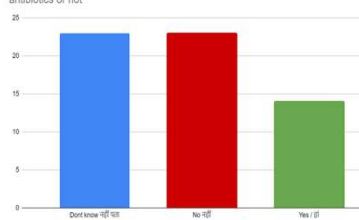
Count of 'Were you informed/ are you aware- about antimicrobial resistance / क्या आपको रोगाणुरोधी प्रतिरोध के बारे में...



Count of Do you know the nearby hospitals discharge their wastewater directly into sewers / क्या आपको पता है कि हस्पताल अपना गादो पानी नालों में डालते हैं ?



Respondents who received antibiotics were tested for culture and sensitivity for antibiotics or not



WHAT IS THE AWARENESS IN GENERAL POPULATION ?

WHAT WE CAN DO TO TACKLE THIS?

