



ATMA RAM SANATAN DHARMA COLLEGE

(UNIVERSITY OF DELHI)

Program Report

Name of the Program: Webinar on Self Purification Ability of Ecosystems

Date of the Program: 14-08-2020

No. of Participants: 25

Organized by: Department of Botany and Zoology, ARSD College

Collaborating Agency: IQAC, ARSD College

Speaker: Dr. Veena Batra Kushwaha

A webinar was organised by the Department of Botany and Zoology on August 14, 2020 in online mode on the Google Meet platform for undergraduate students. Prof. Veena Batra Kushwaha, Professor, Gorakhpur University, delivered a lecture on the self-purification ability of ecosystems. She talked about the removal of pollutants from a body of water without any artificial controls, which means self-purification, or natural purification. She shared the mechanisms of self-purification of different types of water bodies by physical processes, chemical processes, and biological processes. She discussed the self-purification processes in river water too. Self-purification capacity is represented mainly by two processes: the deoxygenating and aeration of river water. The DO deficit model predicts changes in oxygen deficit as a function of BOD, reaeration process, and stream condition. The deoxygenating and oxygenating processes occur simultaneously in the river. This talk aimed to make students understand the self-purification of ecosystems, especially aquatic ecosystems.

Poster

**ATMA RAM SANATAN DHARMA COLLEGE**
(UNIVERSITY OF DELHI)
Accredited Grade "A" by NAAC
All India 13th Rank in NIRF (MHRD)

Department of Botany and Zoology organizes a webinar on
"Self Purification Ability of Ecosystems"
Date: Aug 14th, 2020 Time : 2.00 pm


By Prof. Veena Batra Kushwaha
Prof., Department of Zoology, D.D.U. Gorakhpur University,
Gorakhpur, UP

Patron - Dr. Gyantosh Kumar Jha
(Principal)

Join webinar on : <https://meet.google.com/myz-tenm-rcm>



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Certificate





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Attendance sheet

S.No.	Participants Name	Course/Affiliation
1.	SAMARTH GANJOO	B.Sc. (H)Chemistry III Sem.
2.	SUMIT YADAV	B.Sc. (H)Chemistry III Sem.
3.	AAKASH RAJPUT	B.A. (H) Political Sc. III Sem.
4.	ANUSHKA PUNDIR	B.A. (H) Political Sc. III Sem.
5.	ZEYA AHMAD	B.A. (H) Political Sc. III Sem.
6.	SHRUTI SHARMA	B.A. (H) Political Sc. III Sem.
7.	PRIYAMVADA SINGH	B.A. (H) Political Sc. III Sem.
8.	MONU	B.Sc. (H)Mathematics III Sem.
9.	VISHAL KUMAR	B.Sc. (H)Mathematics III Sem.
10.	VIVEK	B.Sc. (H)Mathematics III Sem.
11.	SHANU MISHRA	B.Sc. (H)Mathematics III Sem.
12.	GAURAV	B.Sc. (H)Mathematics III Sem.
13.	PUNEET YADAV	B.Sc. (H) Electronics III Sem.
14.	PRADHUMAN KUMAR	B.Sc. (H) Electronics III Sem.
15.	UTKARSH SRIVASTAVA	B.Sc. (H)Mathematics III Sem.
16.	Pragyansh Tiwaril	B.Sc. (H)Mathematics III Sem.
17.	SACHALANG TRIPURA	B.Sc. (H)Mathematics III Sem.
18.	Vivek Semwal	B.Sc. (H)Chemistry III Sem.
19.	Laxman Singh	B.Sc. (H)Chemistry III Sem.
20.	Rahul Garg	B.Sc. (H)Chemistry III Sem.
21.	Dr. Nisha Jha	Assistant Professor Electronics
22.	Puneet	Assistant Professor Electronics
23.	Devendra Joshi	B.Sc.Prog
24.	Jay Narayan Singh	B.Sc.Prog
25.	Riya Gupta	B.Sc.Prog