



# R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: [www.rjcollege.edu.in](http://www.rjcollege.edu.in)

Email: [rjcollege@rjcollege.edu.in](mailto:rjcollege@rjcollege.edu.in)

Tel No: +91 22 25151763

Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

## NOTICE

The Department of Zoology invites all the UG students from all faculties to participate in the slide show competition 'Pollution Pointers' organized on 2<sup>nd</sup> December 2020 to commemorate National Pollution Control Day.

There is no registration fee.

The students have to prepare 3 slides. One slide should include their name, roll no, class and division, stream, college name, email and mobile number

Students can choose any one Topic of presentation:

1. Water Pollution
2. Air Pollution

Slides should be mailed at [rjzoologyzone@gmail.com](mailto:rjzoologyzone@gmail.com)

Last date for submission: 29<sup>th</sup> November 2020

All the participants will receive e certificate.

5 best entries will get chance to present on 2<sup>nd</sup> December

Head, Department of Zoology



The PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013


2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./CD/18-19/440 - 08.06.2018)

## Intercollegiate Competition: Pollution Pointers 2020-21

**R.Jhunjhunwala College, Ghatkopar (W) Mumbai-86.**  
**Department of Zoology-DBT STAR COLLEGE ACTIVITY**  
**Inter-departmental Slideshow Event....**

### "POLLUTION POINTERS"

Department of Zoology invites UG students from all faculties of R.J College to participate in the slideshow event "Pollution Pointers" to be held on the 2<sup>nd</sup> December 2020. This day being observed as **The National Pollution Control Day** we urge our students to participate in this event to propagate awareness on environmental pollution in India.

All your queries answered here 

**Who can participate?**  
 F.Y., S.Y & T.Y current year students from Arts, Commerce & Science of R.J. College.

**Is there a registration or participation fee?**  
 No. It is free of any charges and no prior registration required.

**What to do?**  
 Prepare 3 slides in PowerPoint (Microsoft Office Powerpoint)



**Slide One**

- ✓ Full name of the student
- ✓ Class, Div, Roll no.
- ✓ Email ID
- ✓ Name of the college: R.jhunjhunwala College, Ghatkopar(W)
- ✓ Topic of presentation: **Air pollution/Water pollution (choose one).**


**Slide two**

- ✓ **Introduction** A small write up on any one of the pollution (given above) in any city or town in India. Comment on the sources and levels of pollution in that **specific** city or town. Word limit up to 100 words.
- ✓ **Data:** Present a table with information of pollution levels over a particular period (e.g 2010 to 2020).


**Slide three:**

- ✓ Represent the data in the form of Bar graph,  Line graphs, Histogram or Pie diagram 

**Where to send?**

- ✓ Mail the ppt to [Rjzoologyzone@gmail.com](mailto:Rjzoologyzone@gmail.com) 

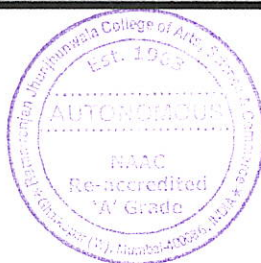
**When is the LAST DATE to mail the ppt?**

- ✓ 29<sup>th</sup> November 2020 

**Other info:**

- ✓ E-certificate will be issued to all the participants
- ✓ The **best 5 entries** will get an opportunity to speak on 2<sup>nd</sup> December 2020.
- ✓ For further enquires contact us at: [Rjzoologyzone@gmail.com](mailto:Rjzoologyzone@gmail.com)

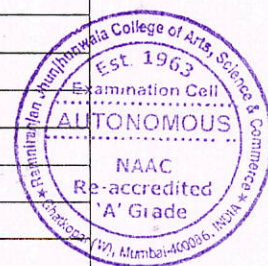
*Sesai*  
 MOD of Zoology



*I/c* PRINCIPAL  
 RAMNIRANJAN JHUNJHUNWALA COLLEGE  
 OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
 Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA.

**DEPARTMENT OF ZOOLOGY**  
**DBT STAR COLLEGE ACTIVITY**  
**LIST OF PARTICIPANTS FOR "POLLUTION POINTERS"- SLIDE SHOW COMPETITION.**

SR.NO.	NAME	CLASS	ROLL NO./DIV
1.	IQRA KULSUM HAFIZURREHMAN	FYBSc.	464/C
2.	NOORSABA PARVEZ KHAN	FYBCom.	468/C
3.	SURAJ TRIVEDI	FYBSc (PCZ)	353/B
4.	RUTUJA SURAJ SARODE	SYBcom.	96/A
5.	SIMRAN KAITHWAS	SYBSc.	615/C
6.	KRISHNAMONI KALITA	SYBSc.	631/C
7.	KAJAL GUPTA	SYBSc.	610/C
8.	KARISHMA INDRAJEET GUPTA	FYBSc.	455/C
9.	GUPTA ANCHAL PRADEEP	FYBSc.BIOTECH	16
10.	JAMEEL AHMED DAWKER.	FYBSc.	431/C
11.	ANMOL ASHOK KUMAR PANDEY	SYBSc.	638/C
12.	SHWETA K . Mourya	TYBcom.	120/A
13.	YADAV SANJAY SAMARJEET	FYBSc.CS	118
14.	SAPNA PRAKASH MAHARANA	FYBcom.	72/A
15.	AHAN KHAN	FYBcom.	470/C
16.	DIKSHA DINESH YADAV	FYBSc.	625/C
17.	GUDUYA PAINGAL PRASAD SHARMA	FYBcom.	319/B
18.	OM MANOJ YADAV	FYBSc.	627/C
19.	ANSH SANJAY VISHWAKARMA	SYBSc.	670/C
20.	CHAUDHARY BRIJESH KUMAR JAGGILAL	SYBSc.	604/C
21.	NIDHI PANDEY	FYBcom.	93/A
22.	SNEHA SURESH JADHAV	TYBSc.	305/A
23.	PRITI DINESH PATEL	TYBSc.	353/C
24.	VINAY KUMAR SAHANI	TYBSc.	539
25.	ZOYA SAYED ARIF	FYBA	183/A
26.	BHARGAVI NIVAS KAMBLE .	FYBcom	50/A
27.	RADHA DINESH VISHWAKARMA	FYBcom.	102/A
28.	PATEL BHAVIN NARAYAN	TYBSc	534
29.	JYOTI RAJESH GOUND	SYBSc.	708/C
30.	SHILPA RAJKAPOOR SHUKLA	F.Y.BSc	588/C
31.	SHAIKH RAFIA BEE ABDUL RAUF	FYBSc.	579/C
32.	RANI RAJESH MISHRA	TYBSc.	527/C
33.	ANJALI DINESHCHANDRA GUPTA	FYBcom.	224/B
34.	UMANG GAJANAND MISHRA	FYBSC- CS	68/A
35.	PRASAD BABAN KALE	TYBcom.	37/A
36.	SHIVAMKUMAR SUSHIL MISHRA	FYBSc.	333/B
37.	ANKITA MOHANLAL PAL	FYBSc.	336/B
38.	KHAN SEEMA IFTEKHAR	SYBSc.	628/C
39.	PRATIKSHA JAYPRAKASH RAO	FYBSc.	340/B
40.	SINGH SIMMY PAWAN	FYBSc.	80/A
41.	ROSHAN VINODKUMAR YADAV	FYBSc.	363/B
42.	UDIT PRAKASH JADHAV	SY B.COM	33/A
43.	Singh Pooja Shrikant	SYBSc.	746/C
44.	Priyanka Shivaji Gunugade	TYBSc.	505/C
45.	MRUNMAYI ABHAY NAIK	FYBSc.	532/C
46.	Khan Neha Parveen Mohammed Shamim	T.Y.B.Sc	518



*Sesari*

*Principal*  
**RAMNIRANJANI JHUNJHUNWALA COLLEGE**  
**OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)**  
 Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

## Photographs of Pollution Pointers Event

**Name :** Khan Neha Parveen  
**Class :** TYBSc Botany  
**Roll no :** 518  
**Email id :** nehakhan25122000@gmail.com  
**College :** Ramniranjan Jhunjhunwala college  
**Topic name :** Air pollution in Kanpur



### AIR POLLUTION IN KANPUR

- Kanpur, the industrial hub of Uttar Pradesh, in the past few years or so, has broken barriers when it comes to the Air Quality Index (AQI), with even the world taking note. The World Health Organisation (WHO), in May 2018, declared Kanpur as world's most polluted city.
- Conditions such as falling mercury, reduced wind speed along with rising humidity index like that in Kanpur, give rise to a situation where pollutants such as sulphur dioxide and nitrogen dioxide get locked in breathing air, making it severely unhealthy for human consumption.
- It is well known that air pollution causes respiratory and cardiovascular diseases. Economic development, urbanization, energy consumption, transportation, and rapid population growth are major driving forces of air pollution in the large cities like Kanpur.

**CONCENTRATION OF PM 2.5 ACROSS KANPUR FROM 2015 TO 2019** (in micrograms per cubic meters)

YEAR	PM 2.5 CONCENTRATION IN MICROGRAMS
2015	430
2016	421
2017	394
2018	234
2019	222



Concentration of PM 2.5 across Kanpur from 2015 to 2019

---

**Name :** Azhan Khan  
**Class :** F.Y.B.COM  
**Div :** C  
**Roll No :** 470  
**Email id :** Khanahani1608@gmail.com  
**Name of College :** Ramniranjan Jhunjhunwala College Ghatkopar (W)  
**Topic :** Water Pollution

- Don't make the water sick, stop pollution spots.
- Remove the trash, let the water splash.
- Save water, and it will save you.
- Walk and drink, save water to drink.
- Let's find the solution and stop this water pollution.

### WATER POLLUTION

**Water pollution** occurs when harmful substances (often chemicals or microorganisms) contaminate a stream, river, lake, ocean, aquifer, or other body of water, degrading water quality and rendering it toxic to humans or the environment.

The **World Health Organization** says that polluted water is water whose composition has been changed to the extent that it is unusable. In other words, it is basic water that cannot be drunk or used for essential purposes like agriculture, and which in the absence of disease like diarrhoea, cholera, dysentery, typhoid and gastroenteritis that kill more than 500,000 people worldwide every year.

Five water bodies in Maharashtra contain 'heavily polluted' water, and Mumbai's Mithi River is one of them, according to a water quality analysis done by the

The **MOEF** findings were compiled after monitoring water quality at 250 locations in Mumbai. Those under the 'heavily polluted' category (rivers and wells) were 81%, or 189 of these sites had 'non-polluted' water. 28 sites (10%) contained 'polluted' water, and five (2%) were

Sl. No.	Quality Classification	Class by	Area by	Remarks	Colour	Year	Percentage %
1	Good to Excellent	A	A-I	Non-Polluted	Green	2010-2019	24%
2	Moderate to Good	B	Not-Polluted	Non-Polluted	Yellow	2010-2019	24%
3	Bad	C	A-II	Polluted	Orange	2010-2019	17%
4	Very Bad	D	A-III, A-IV	Heavily Polluted	Red	2010-2019	21%
5	Not Classifiable	E			Grey	2010-2019	16%



THE DATA OF THIS TABLE IS RELATED TO MAHARASHTRA

BE STILL LIKE A MOUNTAIN AND FLOW LIKE A GREAT RIVER

SAVE THE SEA

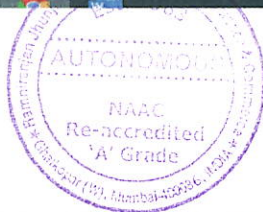
HAVE LIVED WITHOUT NOT ONE WITHOUT WATER

BE A PART OF THE SOLUTION PART OF THE POLLUTION

THE ONLY WAY TO SAVE THE WORLD IS TO TAKE A BATH SAVING WATER

SAVE WATER



*Sesai*  
 HOD of Zoology



*Hc* PRINCIPAL  
 RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS) Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

Certificate : Pollution Pointers Event


Hindi Vidya Prachar Samiti's  
Ramniranjan Jhunjhunwala College of Arts, Science & Commerce (Autonomous)  
Ghatkopar (W) Mumbai-400 086.  
Department of Zoology- DBT Star College Activity

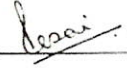


**CERTIFICATE** ...

This is to certify that  
**AHAN KHAN**

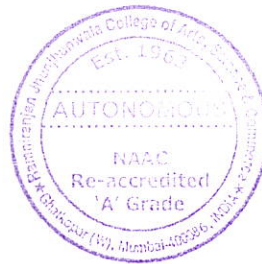
Of Class: F.Y.B.Com. Roll. no: 470 has participated and won the special appreciation in the Inter-departmental slideshow event '**Pollution Pointers**' Organised under DBT star college activity by Department of Zoology, R.J.College on the National Pollution Control day 2<sup>nd</sup> December 2020.

  
Dr. Bindu Achary  
DBT, Co-ordinator, Dept. of Zoology.

  
Dr.(Mrs). Pratibha Sardesai  
Head, Dept. of Zoology



HOD of Zoology



  
I/c PRINCIPAL  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA



# R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956


Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

## Department of Zoology

NAME OF THE EVENT: 'Pollution Pointers'-Slide show Intracollegiate event.  
TEACHER IN-CHARGE: Mrs. Sushma Singh,  
DATE: 2nd December 2020  
TIME: 5.00 pm  
NO. OF BENEFICIARIES: 46 students

**BRIEF REPORT:** A slideshow event 'Pollution Pointers' was organized by Mrs. Sushma Singh, Assistant Professor, Department of Zoology on National Pollution Control day on the 2nd of December 2020. About 46 UG students from different faculties of R.J College participated in the event to promote awareness on environmental pollution in India. They prepared and submitted PowerPoint slides on the topic of water pollution and air pollution to the dept. email.

The entries were verified and selected by judges Dr. Bindu Achary and Mrs. Sushma Singh. The selected students gave presentations on their topics on 2nd December 2020. It was attended by 63 students.

  
Head, Department of Zoology



  
Principal  
RAMNIRANJAN JHUNJHUNWALA COLLEGE  
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)