TEACHER'S ACTIVITY BEPORT 2016 - 2021

FACULTY:	DEPARTMENT/ COMMITTEE	IQAC ACTIVITY No:
Science	Environmental Sciences	SVC 2017-18 EVS RS 12

NAME OF THE ACTIVITY:				
DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME	
20 March 2018	Science	Environmental Science	Dr. Robin Suyesh	
TIME: Evening (35	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor	
Days)				
	New Delhi	4	Outdoor	
SUPPORT/ASSISTANCE:	Environmental Science, Sri Venkateswara College			
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BRIEF INFORMATION ABOUT THE ACTIVITY (**CRITERION NO. -**):

TOPIC/SUBJECT OF	To understand developmental abnormalities in amphibians
THE ACTIVITY	
OBJECTIVES	Amphibian Abnormality Survey (June 2016 – March 2018)
METHODOLOGY	Field visit to outskirts of Delhi NCR near Aravali Biodiversity Park (45 Days)
OUTCOMES	Delhi NCR is a polluted city and urban biodiversity is constantly under stress because of it.
	This study records the first report of developmental abnormality in amphibians from New Delhi.

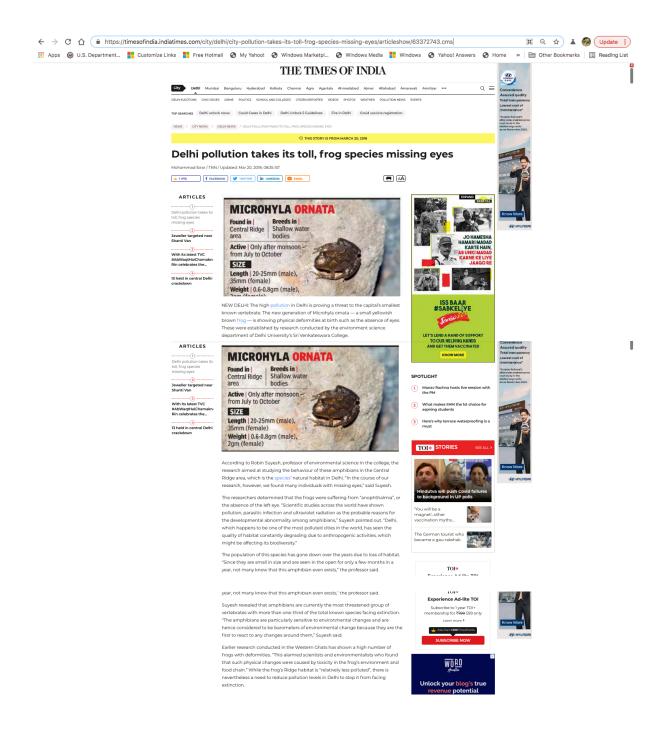
PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters	Student list of participation	Activity report	Photos	Feedback form
Feedback analysis	News clip with details	Certificate	Any other	

Link for media

 $\frac{https://timesofindia.indiatimes.com/city/delhi/city-pollution-takes-its-toll-frog-species-missing-eyes/articleshow/63372743.cms$

Attached Below



IQAC Document No:	Criterion No:	Metric No:
Departmental file no	IQAC file No;	

NAME OF HEAD/ COMMITTEE	IQAC COORDINATOR (SEAL & SIGNATURE)
INCHARGE & SIGNATURE	
	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE

Criterion I	Criterion I Curricular Aspects (planning & Implementation)		Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation		Criterion VI	Governance
Criterion III	Research, Innovations & Extension		Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure			

Student team for the Eco Club activity: (2019- 2020)

Biosciences

- 1. Abdus Samad
- 2. Abhishek Singh
- 3. Jyotsna Karan

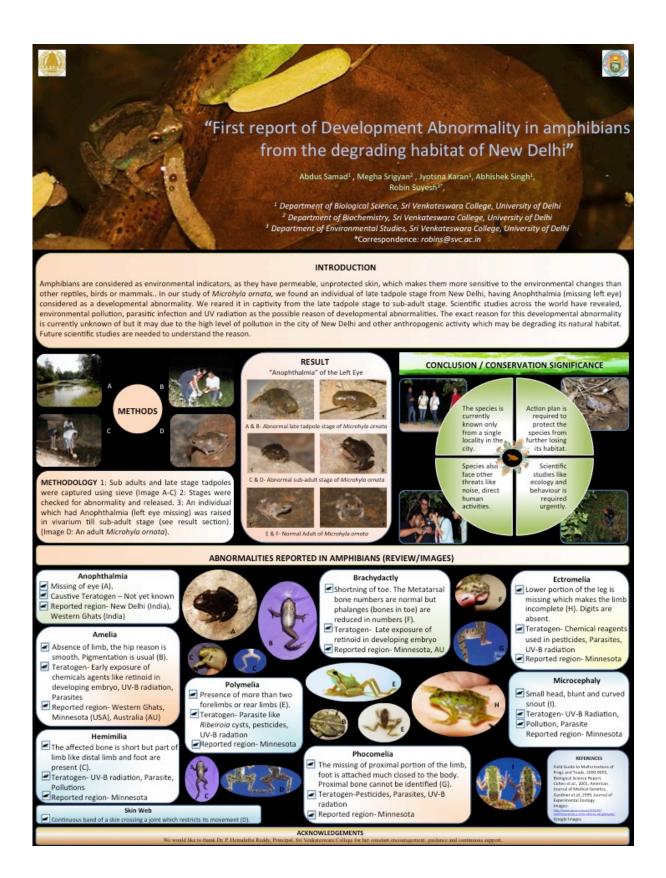
Biochemistry

1. Megha Srigyan

About the finding:

Amphibians are currently the most threatened group of vertebrates with more that one-third of the total known species facing extinction. Amphibians are also particularly sensitive to environmental changes and are hence considered as environmental indicators. In this study, we report the first finding of developmental abnormality in amphibians from the city of New Delhi. The species under study is *Microhyla ornata,,* which also happens to be the smallest known land vertebrate from the city of New Delhi. The individual had "anophthalmia" (absence) of the left eye and the animal was reared in captivity from the late tadpole stage to sub adult stage (image below). Scientific studies across the world have shown pollution, parasitic infection and UV radiation as the probable reason for the developmental abnormality among amphibians. New Delhi, the capital city of India, also happens to be one of the most polluted cities in the world and the quality of habitat is constantly degrading due to various anthropogenic activities, which might be affecting its biodiversity. Possible reasons for the developmental abnormality are currently unknown and further scientific studies are required to understand the exact reason for this abnormality and the extent to which it is found.







SRI VENKATESWARA COLLEGE (University of Delhi)

Internal Quality Assurance Cell

Chairperson

Prof C. Sheela Reddy Principal Sri Venkateswara College

IQAC Coordinator Dr. N. Latha Department of Biochemistry

External Members Prof Debi P Sarkar Department of Biochemistry University of Delhi South Campus

Prof Alo Nag University of Delhi South Campus

Dr. Gitanjali Yadav NIPGR, Delhi

Internal Members
Dr. Meenakshi Bharat
Department of English

Dr. Lalitha Josyula Department of Electronics

Dr. Namita Pandey Department of Political Science

Dr. A. K. Chaudhary Department of Physics

Dr. K.C. Singh Department of Physics

Dr. Swarn Singh Department of Mathematics

Dr. Neeraj Sahay Department of History

Dr. Vartika Mathur Department of Zoology

Dr. Shruti Mathur Department of Commerce

Dr. Padma Priyadarshini Department of Sociology

Dr. Nimisha Sinha Department of Biochemistry

Shri D. Venkat Ramana A.O(1/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

IQAC Coordinator Sri Venkateswara College

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