



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

**Sri Venkateswara College**

(University of Delhi)

NAAC Grade A+

# Sri Venkateswara College

(University of Delhi)

## **EVENT REPORT**

<b>NAME OF THE EVENT:</b> Urban Ecology: Behavioural Adaptation of Animals in Cities			
<b>DATE</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/ SOCIETY</b>	<b>COORDINATOR's NAME</b>
24 March 2026	Department of Biological Sciences	CHRYsalis (Biological Sciences Society)	Prof. Om Prakash
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor; online/offline/hybrid</b>
11:30 AM	Zoom	59	Online
<b>FINANCIAL SUPPORT/ASSISTANCE (if any):</b>	Nil		


## BRIEF INFORMATION ABOUT THE ACTIVITY

<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	Urban Ecology: Behavioural Adaptation of Animals in Cities
<b>OBJECTIVES</b>	<ul style="list-style-type: none"> <li>• The webinar on Urban Ecology and Biodiversity was organized by Sri Venkateswara College.</li> <li>• The session was conducted by Dr. Ravi Jambhekar, a biodiversity researcher.</li> <li>• He shared his journey from early bird observation to professional research.</li> <li>• The importance of habitat type in determining species distribution was highlighted.</li> <li>• A study on bird diversity in Bangalore lakes was discussed using eBird data.</li> <li>• Larger lakes were found to support higher species richness.</li> <li>• Urbanization negatively impacts biodiversity due to pollution and habitat loss.</li> <li>• Resident bird species are increasing, while migratory species are declining.</li> <li>• Birds show negative responses to high temperatures in urban areas.</li> <li>• Butterfly behavior changes with temperature and rainfall conditions.</li> </ul>
<b>METHODOLOGY</b>	<ul style="list-style-type: none"> <li>• Data was collected from the eBird platform.</li> <li>• Study period covered 2014 to 2019.</li> <li>• A total of 42 lakes in Bangalore were selected for analysis.</li> <li>• Around 3,487 bird observation lists were examined.</li> <li>• Approximately 263 bird species were recorded and analyzed.</li> <li>• Key variables considered included lake area, distance from city center, and connectivity between lakes.</li> <li>• Species richness was calculated based on recorded observations.</li> <li>• Urbanization level was estimated using distance from the city center.</li> <li>• Connectivity between lakes was assessed to check its effect on bird movement.</li> <li>• Population trends were analyzed using frequency and consistency of bird sightings over time.</li> </ul>

<b>OUTCOMES</b>	<ul style="list-style-type: none"><li>• The webinar enhanced students' understanding of urban ecology and the factors influencing biodiversity in cities.</li><li>• It provided insight into how habitat characteristics such as size, fragmentation, and urbanization affect species distribution and behavior.</li><li>• Students gained knowledge about practical research methods, including the use of citizen science platforms like eBird for large-scale ecological data analysis.</li><li>• The session highlighted key research findings, such as larger habitats supporting greater biodiversity and urban areas negatively impacting species richness.</li><li>• It brought awareness to the contrasting population trends, where resident species are adapting and increasing, while migratory species are declining.</li><li>• The webinar helped students understand the impact of environmental factors like temperature, pollution, and availability of green cover on wildlife.</li><li>• It encouraged critical thinking by presenting real-world ecological problems and unexpected findings, such as some species not preferring green cover.</li><li>• Students were motivated to participate in biodiversity observation, fieldwork, and research-based learning.</li><li>• The session provided guidance on building skills required for a career in ecology, including observation, data collection, and internships.</li><li>• Overall, the event successfully inspired awareness and responsibility toward biodiversity conservation in urban environments.</li></ul>
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**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

1 Notice & Letters ✓	2 Number of Participants & Name of Participants ✓	3 Video clip	4 Photos ✓	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites ✓	9 Event report Attested by Event Coordinator & IQAC Coordinator ✓	10 Any other document

<b>Departmental file no:</b> SVC/BioSci/2025-26/March2026/02
<b>IQAC File No:</b> SVC/IQAC/BioSci/2025-2026/March2026/02
<b>Criterion No:</b> III, V, VII
<b>NAME OF EVENT-IN-CHARGE &amp; SIGNATURE:</b>  Prof. Om Prakash

Note: Please fill in your own details in places with red font

For Reference

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

## ACTIVITY REPORT

The webinar on Urban Ecology and Biodiversity Research was conducted on 24 March 2026 at Sri Venkateswara College, University of Delhi. The session was delivered by Dr. Ravi Jambhekar, a researcher in biodiversity and urban ecology, who shared his research work and experiences in studying birds and butterflies in urban environments.

The webinar focused on how urbanization affects biodiversity and species distribution. Dr. Jambhekar explained that habitat type, size, and level of urbanization play a major role in determining which species survive in cities. He presented his research on birds in Bangalore lakes, where he showed that larger lakes support more bird species and areas farther from the city center have higher biodiversity. He also explained how data from the eBird platform was used to study long-term trends in bird populations.

The findings revealed that many resident bird species are increasing due to better food availability and lake management, while most migratory birds are declining because of environmental changes in their breeding regions and urban pressures. The speaker also discussed how temperature and green cover affect species behavior, noting that birds generally avoid hotter areas, but not all species prefer green spaces due to their adaptation to urban food sources.

Additionally, he shared insights from his ongoing research on butterflies, where he observed changes in behavior such as increased flying during higher temperatures and more feeding after rainfall. The session also included guidance for students, encouraging them to develop observation skills, participate in fieldwork, and explore research opportunities in ecology.

Overall, the webinar was informative and helped students understand urban biodiversity, research methods, and the importance of conservation in cities.

## PERMISSION LETTER FOR ORGANIZING THE EVENT



Trinamala Tirupathi Divasasthanam  
శ్రీ వేంకటేశ్వర కళాశాల  
Sri Venkateswara College  
(University of Dalhousie)  
NAAC Grade A+

### PERMISSION FOR ORGANIZATION OF EVENTS

- NOTE: 1. Please ensure a pre booking of the venue before getting the permission letter signed.  
2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.  
3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

### EVENT DETAILS

1. Name of the Department/Society/Association: *Biological Sciences*
2. Name of the TIC and/or Convener: Prof./Dr./Mr./Ms. *Prof. Om Prakash*  
*Dr. Rajendra Pharyal*
3. Proposed Title of the Event: *Urban Ecology: Behavioural Adaptation of Animal in Cities*
4. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/Skill enhancement/others (Please specify) *Seminar*
5. Participants: Student-centric/Faculty/Other stakeholders (Please specify) *Students & Faculty*
6. Event Type: *Webinar* Offline/Online/Hybrid; Indoor/Outdoor
7. Collaborating Agency /Organization (If any):
8. Tentative List of Speakers with affiliations: *Dr. Ravi Jambhekar*  
*Assistant Professor,*  
*Judham Institute for Human Settlements*
9. Date & Time (from - to): *24th March 2026; 11:30 AM - 12:30 AM*
10. Financial Assistance/ Funding received (if any) (Please specify amount):
11. Proposed Budget (please attach details in a separate enclosure):

12. Faculty responsible for Geo Tagged Pictures ..... *Dr. Pankaj Tayal*.....
13. Faculty responsible for Event Report ..... *Dr. Preeti Khandelwal*.....
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) - *zoom webinar link*
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance)
16. Venue requirement (Seminar hall/ Ground/others) .....

*Pankaj*

TIC/Convenor

Date:

For official purpose

Comments (if any)

~~Good~~ *Criteria 3*

*For Riche Misra*  
IQAC Coordinator  
Date:


*A. Nigela*  
Principal  
Date: *18/12/26*

## LIST OF ATTENDEES

Timestamp	Email Address	Name	Contact Number	Affiliation
3/19/2026 20:53:07		Bharti kaswan		Biological sciences
3/22/2026 20:58:13		Anagha Arun Mutalik De		Sri Venkateswara College, University of Delhi
3/22/2026 22:10:36		Rui Agashe		MIT World Peace University
3/22/2026 22:26:47		Arijeet Saha		IISER TVM
3/22/2026 22:35:30		Kandimalla Shri Harshitl		Student
3/22/2026 23:32:20		Jeeya Arora		University of Delhi
3/22/2026 23:33:04		Mohammad Adeel Fahe		Hislop College Nagpur
3/22/2026 23:34:48		Srijan Das		M.Sc. 1st year student, IISER- Thiruvananthapuram
3/23/2026 6:42:31		Deepanshu Vasuja		Department of Biological Sciences, Sri Venkateswara
3/23/2026 7:26:15		Sanjhvi Jain		Sri Venkateshwara College
3/23/2026 7:52:27		Sourabh Kumar		Student
3/23/2026 8:01:58		Nikhil Sharma		Sri Venkateswara college
3/23/2026 8:04:15		Aditya Kumar		Sri Venkateshwara College, Delhi University
3/23/2026 9:58:38		Trishna		Bsc biological science
3/23/2026 10:28:14		Pranay Maitrey		Verdure Editorial team
3/23/2026 10:47:32		Atreyee		student
3/23/2026 11:05:31		Ritika		Bsc. Biological Sciences(H)Student at Sri Venkatesw
3/23/2026 11:37:26		Deeplika ray		Svc
3/23/2026 11:44:28		Aditi		Sri Venkateswara college
3/23/2026 11:44:39		Rudra kumar		Svc
3/23/2026 12:06:51		Sweedle Cerejo-Shivkar		Not applicable
3/23/2026 13:10:23		Umang Verma		Umang Verma SVC
3/23/2026 14:55:25		Sandita Sarmah		Sri Venkateswara College
3/23/2026 16:16:57		Gauri sharma		Sri venkateshwara college
3/23/2026 16:17:22		Sukrite singh		DU( Sri Venkateswara College)
3/23/2026 16:57:19		Nidhi Pandey		Biological sciences,SVC
3/23/2026 16:57:56		Ananya Satpathy		Biological sciences
3/23/2026 17:07:16		Nishanilima		1st year
3/23/2026 17:37:32		Diptileena Sahu		Svc student
3/23/2026 18:11:11		Shivam kumar		Student svc

Timestamp	Email Address	Name	Contact Number	Affiliation
3/23/2026 18:27:40		Udit Choudhary		BA Hons History
3/23/2026 18:44:27		Kanika A		kanika_svc
3/23/2026 18:45:07		Priyansa Pal		Sri Venkateswara College
3/23/2026 18:53:50		Aanika Raina		Sri Venkateswara college, DU
3/23/2026 18:56:29		Vrishti		Bsc.(H) Biological Science
3/23/2026 19:04:03		Sumit Das		Student at Sri Venkateswara College
3/23/2026 19:16:30		Fatima		Sri Venkateswara College, University of Delhi
3/23/2026 19:17:49		Sreha		Organisms show a tendency to associate with others
3/23/2026 19:17:55		Niharika		Student
3/23/2026 19:17:57		Pakhi Tyagi		SVC, DU (Biological sciences)
3/23/2026 19:20:13		Payal Thakur		Delhi University
3/23/2026 19:29:48		Priya Singh		Student
3/23/2026 19:56:48		Suvali Biswal		Sri Venkateswara College
3/23/2026 19:58:06		ADITYA NARAYAN MISH-		SVC
3/23/2026 20:07:54		Ayushi		Sri Venkateshwara College
3/23/2026 20:11:22		Shivam Saini		Svc
3/23/2026 20:14:34		Amisha poswal		Sri Venkateshwara College
3/23/2026 21:26:16		Devadevan B		Sri Venkateshwara College,Delhi University
3/23/2026 21:37:00		Shiza Elahi		SVC
3/23/2026 22:27:45		Sachi		Sri Venkateswara College
3/23/2026 23:06:15		Kobita Dass Kolli		Nature Lovers of Hyderabad
3/23/2026 23:09:26		Shankhadeep		Student, 1st year, BSc. H. Biological sciences, SVC
3/24/2026 2:59:11		Himanshu Kumar		csjm
3/24/2026 6:47:59		Deepak		svc
3/24/2026 8:21:21		Ayushi Sharma		Bsc Biological Sciences 1st year
3/24/2026 9:01:40		Lipi Chamoli		Student
3/24/2026 10:57:05		Joel correa		
3/24/2026 11:17:59		Vaijyanti		DU
3/24/2026 11:21:31		Amritaditya Negi		Student, SVC



## EVENT FLYER


 **CHRYSLIS**  
Biological Sciences Society  
Sri Venkateswara College, University of Delhi

*presents*

# URBAN ECOLOGY: BEHAVIOURAL ADAPTATION OF ANIMAL IN CITIES

Webinar with  
**Dr. Ravi Jambhekar**  
Indian Institute for Human Settlements

 11:30 AM  
 24 March 2026



**REGISTER NOW**

For more information- Bharti : +91 79841 16985 Jeeya : +91 98978 03123

<b>Coordinator</b> Prof Om Prakash	<b>Patron</b> Prof. Vajala Ravi Principal	<b>Convenors</b> Dr. Pamil Tayal Dr. Preeti Khandelwal Dr. Sidhartha Taritla
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# PHOTOS

Bharti Kaswan | Dr Richa Misra | Ravi Jambekar | Deepanshu Vasuja | Pranay Maitrey

You are viewing Ravi Jambekar's screen | REC | View Options

## Effect of green cover and heat stress on bird species in Bengaluru.

(a)  $\beta_1$  (NDVI Cover)

(b)  $\beta_2$  (Temperature)

Species: Coppersmith Blackbird, White-cheeked Blackbird, Jungle Myna, Common Myna, Ashy Prinia, Common Tailorbird, Barn Owl, Spotted Owlet, Black Kite, Black-winged Kite, Alexander's Parakeet, Asian Kite, Black Drongo, Chinese Tit, Indian Nightjar, Indian White-eye, Oriental Magpie-Robin, Red-whiskered Bulbul, Rock Pigeon

Sensitivity: Negative (blue), No effect (grey), Positive (green)

Species	$\beta_1$ (NDVI Cover)	$\beta_2$ (Temperature)
Coppersmith Blackbird	Positive	Negative
White-cheeked Blackbird	No effect	Negative
Jungle Myna	No effect	Negative
Common Myna	Negative	Negative
Ashy Prinia	No effect	Negative
Common Tailorbird	No effect	Negative
Barn Owl	Negative	Negative
Spotted Owlet	No effect	Negative
Black Kite	Negative	Negative
Black-winged Kite	Positive	Negative
Alexander's Parakeet	Negative	Negative
Asian Kite	Negative	Negative
Black Drongo	Positive	Negative
Chinese Tit	No effect	Negative
Indian Nightjar	Positive	Negative
Indian White-eye	No effect	Negative
Oriental Magpie-Robin	No effect	Negative
Red-whiskered Bulbul	No effect	Negative
Rock Pigeon	No effect	Negative

Ravi Jambekar | Deepanshu Vasuja | Pranay Maitrey | Atreyee | Dr Richa Misra



Tirumala Tirupati Devasthanams

श्री वेंकटेश्वर कलाशाला

**Sri Venkateswara College**

(University of Delhi)

NAAC Grade A+

## समापन प्रमाणपत्र

## COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि श्री वेंकटेश्वर कॉलेज के जैविक विज्ञान (बायोलॉजिकल साइंसेज) विभाग द्वारा "अर्बन इकोलॉजी: बिहेवियरल अडैप्टेशन ऑफ एनिमल्स इन सिटीज़" विषय पर एक वेबिनार का सफलतापूर्वक आयोजन एवं संचालन किया गया, जिसमें डॉ. रवि जंभेकर ने वक्ता के रूप में अपने विचार प्रस्तुत किए। यह वेबिनार दिनांक 24 मार्च 2026 को प्रातः 11:30 बजे से ऑनलाइन माध्यम में आयोजित किया गया। इस आयोजन की रिपोर्ट अभिलेख हेतु आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ (IQAC) में विधिवत प्रस्तुत कर दी गई है।

This is to certify that the Department of Biological Sciences, Sri Venkateswara College, successfully organized and conducted a webinar on Urban Ecology: Behavioural Adaptation of Animals in Cities delivered by Dr. Ravi Jambhekar on 24 March 2026 from 11:30 AM onwards in online mode. The event report has been duly submitted to the Internal Quality Assurance Cell (IQAC) for record.

**Prof. Om Prakash**  
Event-in-Charge

**Prof. Vartika Mathur**  
IQAC Coordinator

**Prof. Vajjala Ravi**  
Principal