



A REPORT ON A TWO DAY WORKSHOP ON COMMUNICATING BIOLOGY RESEARCH



Shalini T, Amith S J, KSC Nag, 2023. A Report on A Two Day Workshop on Communicating Biology Research. CUBEC_Report_1



Centre for Researcher Training and Administration (CRTA)

Center for Urban Ecology, Bio-Diversity, Evolution and Climate
Change (CUBEC)

TWO DAY WORKSHOP ON "COMMUNICATING BIOLOGY RESEARCH"



KARTHIK RAMASWAMY, PHD.

BENGALURU BIOLOGIST, SCIENCE COMMUNICATOR AND EDUCATOR (IISC.)



NARMADA KHARE, PHD, BENGALURU SCIENCE TEACHER, WRITER, EDITOR, COMMUNICATOR (IISC.)

TOPIC AND DISCUSSION

Pre workshop preparation : note attached

Day 1 - - A short writing activity using their literature survey.

Day 2 -Review of Essays written by participants 3rd & 10th June 2023

9.30 a.m. - 5 p.m.

School of Sciences, 1s Cross, J C Road

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- To train the research scholars to write in a clear, concise, and coherent manner while communicating their research work in conferences, journals, and thesis formats.
- To give an overview of the important aspects of Planning and organizing a research paper
- To identify the common mistakes that should be avoided in grammar and formatting.

Guest Speakers



KARTHIK
RAMASWAMY, Ph.D.,
BENGALURU
BIOLOGIST, SCIENCE
COMMUNICATOR
AND
EDUCATOR (IISc.)

Karthik Ramaswamy was a biologist in his former life, specializing in animal behavior and evolutionary biology. He got his undergraduate degree from St Joseph's College in Bangalore and his Master's from Pondicherry University.

After a stint as a Project Assistant at the Centre for Ecological Sciences, Indian Institute of Science (IISc), Bangalore, where he studied social behavior in ants, he obtained in Ph.D. from the University of Missouri-Columbia in the US, where he investigated the role of vibrational communication in mediating sociality in a group of insects called treehoppers.

He then taught at Augustana College, a liberal arts and science college, in the US. He moved back to IISc where he has working as a science communicator and educator.

Guest Speakers



NARMADA KHARE,
Ph.D.,
BENGALURU
SCIENCE TEACHER,
WRITER,
EDITOR,
COMMUNICATOR
(IISc.)

Narmada Khare Over more than three decades looked at biology from several angles. Completed Bachelor's and master's degrees from Pune University.

Learnt genetic techniques using the fruit fly Drosophila melanogaster at the Tata Institute of Fundamental Research. Ph.D. at Lund University in Sweden, using the same organism to understand how organs develop. Was at Stanford University, studying how asymmetry inside cells can result in tissue-wide asymmetry when she developed a liking for teaching biology.

She spent five years at the Indian Institute of Science, teaching biology to undergraduates. Nowadays, she writes stories about and around scientific research and helps researchers effectively communicate their science.

People Behind the Event:

Organizing Committee:



Dr. Srikanta Swamy
Director

Centre for Researcher Training & Administration (CRTA)

JAIN (Deemed-to-be-University)



Dr. Mythili P. Rao Deputy Director

Centre for Researcher Training & Administration (CRTA) JAIN (Deemed-to-be-University)



Dr. Chetan Nag K S Deputy Director & Associate Professor

Centre for Urban Ecology,
Biodiversity, Evolution, and Climate
Change (CUBEC)
JAIN (Deemed-to-be-University)

Teaching Faculties Present:



Dr. Ramachandra Rao G **Associate Professor**

Centre for Urban ecology, Biodiversity, Evolution & Climate change (CUBEC) JAIN (Deemed-to-be-University)



Dr. Asha Rajiv Director **IQAC & School of Sciences Professor - Physics**

School Of Sciences JAIN (Deemed-to-be-University)

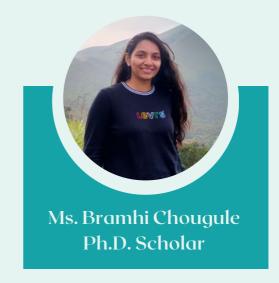


Dr. Apurva Kumar R Joshi **Assistant Professor** Microbiology

School Of Sciences JAIN (Deemed-to-be-University)

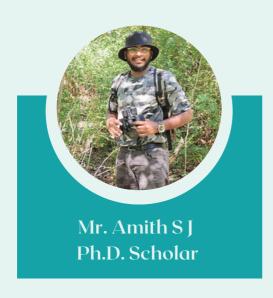
Volunteering Committee:















A two-day workshop on "COMMUNICATING BIOLOGY RESEARCH" was organized by the Centre for Researcher Training and Administration (CRTA) & Centre for Urban Ecology, Bio-Diversity, Evolution, and Climate Change (CUBEC) on the 3rd and 10th of June 2023 at School of Sciences and CMS Business School JAIN Deemed-To-Be University, J C Road campus, and J.P. Nagar campus, Bengaluru.

On the first day 3rd June 2023, the workshop was conducted at the School of Sciences JAIN Deemed-to-be University, J C Road Campus, Bengaluru. A total of 20 participants pursuing Ph.D. in life science field were allowed. The first half of the day was all about the inauguration ceremony. The quest speaker Dr. Karthik Ramaswamy and Dr. Narmada Khare along with the CRTA Director Dr. Srikanta Swamv. Deputy Director CUBEC Dr. Chetan Nag KS, HOD Life Sciences Department Dr. Asha Rajiv, Associate Professor CUBEC Dr. G R Rao, and other faculties were welcomed at the event. The program got underway at 10:00 am with a presentation by Dr. Chetan Nag KS on the goals of CUBEC, the necessity for the workshop, the importance of animals and the ecosystem, as well as the challenges they face, and the need to find solutions. At the end of the presentation, Dr. Chetan Nag KS, Dr. Srikanta Swamy, and Dr. Asha Rajiv honored the quest speakers. Followed by the honoring ceremony the CRTA Director Dr. Srikanta Swamy was invited to say a few words and motivate the participants. Dr. Srikanta Swamy laid down the importance of Research and encouraged the students to participate in such workshops which will help them communicate their Research better. Subsequently, Dr. Chetan Nag KS briefed the participants on the schedule of the day.

Dr. Karthik Ramaswamy took three sessions altogether in which he started his first session with an introduction round where he introduced himself to the participants and vice versa. The CRTA Director Dr. Srikanta Swamy, Dr. Chetan Nag KS, and Dr. G R Rao were also present. Dr. Karthik Ramaswamy's sessions focused mostly on the importance of writing, why writing well is required, the values of writing, the difference between good and bad writing, how to write in the form of a story, the elements of story writing, the "ABT" framework and how to be a productive writer. He discussed the above-mentioned by providing numerous writing samples and offering students the chance to write and read their work. He also spoke about the narrative and structure of writing including the clarity, flow, and conciseness of writing. He answered the doubts raised by the participants by giving apt examples. He also gave participants an assignment to bring in the next session on June 10, 2023.

At 5:00 pm, the day's workshop came to an end. After the workshop, Dr. Chetan Nag KS addressed the participants and struck up a conversation with them, asking them to reflect on the event and allowing them to ask any final questions or voice any unanswered concerns.

On the second day 9th June 2023, the workshop was conducted at the CMS Business School JAIN Deemed-to-be University, J.P. Nagar Campus, Bengaluru. The guest speaker Dr. Karthik Ramaswamy and Dr. Narmada Khare along with the CRTA Deputy Director Dr. Mythili Rao, Deputy Director CUBEC Dr. Chetan Nag KS, and Associate Professor CUBEC Dr. G R Rao were present. The First one and a half hours were taken by Dr. Karthik Ramaswamy. The participants submitted their assignment to Dr. Karthik Ramaswamy which was assigned in the last session on the 3rd of June 2023. Then Dr. Karthik Ramaswamy distributed the sheet having rubrics for writing the article assignment. He took the assignments and distributed them to the participants randomly and asked them to peer review them without being biased as this exercise would help individuals to grow in a better way in terms of writing skills.

On the second day, Dr. Narmada Khare took overall four sessions in which she stressed "What is writing?", the origin of the word "Science" and "Scientist". She talked about famous scientists like Francis Bacon, The Royal Society of London, various journals including the first journal "Philosophical Transactions" and the need of writing a research paper or an article. Later she discussed the format of the research writing. She mentioned what a research paper contains and in detail explained the Title, Abstract, Introduction, Material and Method, Results, Discussion, acknowledgment, and Reference sections of the research paper. She had asked the participants to get a hard copy of a research article through which she asked the participants to compare what is required and what is not required in a paper. Toward the end of the workshop, she also discussed Research Ethics, Misconduct in Research, How to Tackle the Situation in a Case of Misconduct, and the various ways of communicating science through Poster presentations, PPT presentations, and Seminar presentations. Along with a small exercise on Elevator Pitches, she also stressed on how to make a Good Poster. She also answered the gueries put in by the participants in an easy manner giving appropriate examples.

At 04:30 pm the session ended and the vote of thanks and feedback sessions started. Deputy Director CUBEC Dr. Chetan Nag KS and the Deputy Director CRTA Dr. Mythili P Rao addressed the gathering with a vote of thanks. The participants were asked to give feedback on the spot and fill out the feedback forms, the participants were also provided with a participation certificate, and a group photo was taken at the end.

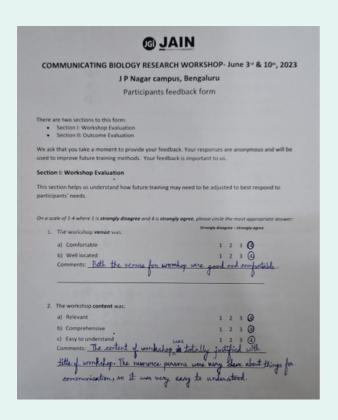
List of Attendees:

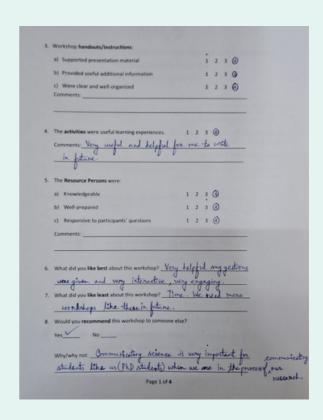
SR. NO	USN	NAME	SUBJECT
1	20PHRSC0092	Sarmistha Ojha	Zoology
2	21PHRSC062	Shilpa Venkatesh	Biotechnology
3	22PHRSC022	Devaraju	Biotechnology
4	22PHRSC026	Bramhi Suresh Chougule	Biotechnology
5	22PHRSC038	Nagtilak Suraj Dilip	Biotechnology
6	22PHRSC008	Nuhu Bako Erena	Microbiology
7	22PHRSC019	Amith S J	Zoology
8	-	Drilipta Swain	Biotechnology/Genetics
9	-	Shahina Parveen	Forensic Science
10	20PHRSC0051	Maya G	Biotechnology
11	20PHRSC0091	Magdaline Christina R	Zoology
12	-	Shalini Tudu	Zoology
13	21PHRSC034	Anusha B A	Biotechnology
14	21PHRSC031	Parimala Karthik	Biochemistry
15	19PHRSC035	Shalmali Kamat	Microbiology
16	20PHRSC0076	Razia Sultana B	Microbiology
17	20PHRSC0093	Shraddha Kumari K	Zoology
18	22PHRSC003	Ghazala Jamil	Forensic Science
19	20PHRSC001	Vishwini V	Biotechnology
20	22PHRSC001	Afreen M S	Forensic Science

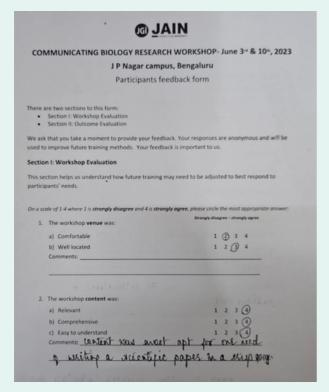
Abbreviation Of (-): Ph.D. First year Students From 2023 Batch



Feedback:







3.	Workshop handouts/instructions:					
	a) Supported presentation material			1 2	3 (1)	
	b) Provided useful additional information			1 2	1 4	
	c) Were clear and well-organized Comments:		_	1 2	3 ④	
4.	The activities were useful learning experiences. Comments:			3 4		
5.	The Resource Persons were:					
	a) Knowledgeable					
	b) Well-prepared			3 (A)		
	c) Responsive to participants' questions Comments:		2	3 (4)		
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7.	What did you like least about this workshop?	-	H			
8.	Would you recommend this workshop to someon				1300	
	Why/why not: Mary of fellow					



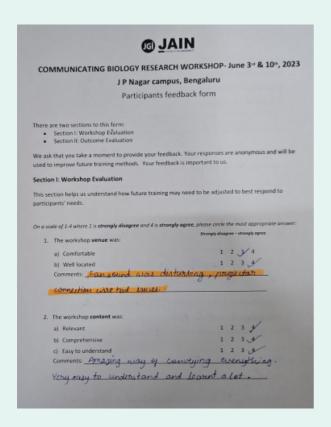
There are two sections to this form: • Section I: Workshop Evaluation	
Section II: Outcome Evaluation	
We ask that you take a moment to provide your fee	dback. Your responses are anonymous and will be
used to improve future training methods. Your fee	dback is important to us.
Section I: Workshop Evaluation	
This section helps us understand how future training	a managed to be adjusted to best respond to
This section helps us understand how future training participants' needs.	g may need to be adjusted to be a con-
participants needs.	
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b) Well located	1 2 3 (4)
Comments:	
The workshop content was:	
a) Relevant	1 2 3 (4)
b) Comprehensive	1 2 3 (1)
c) Easy to understand	1 2 3 (3)
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3. Workshop handouts/instructions:	
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b) Provided useful additional information	1 2 3 @
c) Were clear and well-organized	1 2 3 3
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b) Well-prepared	1 2 3 (4)
c) Responsive to participants' questions	1 2 3 4
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	b) Provided useful additional information 1 2 3 4
	c) Were clear and well-organized 1 2 3 t
4.	The activities were useful learning experiences. 1 2 1 4 Comments:
5.	The Resource Persons were:
	a) Knowledgeable 1 2 3 4
	b) Well-prepared 1 2 3 4
	c) Responsive to participants' questions 1 2 3 4
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8.	Would you recommend this workshop to someone else? Yes No
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Participants fee	dback form
There are two sections to this form:	
Section I: Workshop Evaluation	
Section II: Outcome Evaluation	
We ask that you take a moment to provide your feedba	ck. Your responses are anonymous and will be
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b) Well located	1 2 3 (4)
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	a) Supported presentation material	1 2 3 4
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	a) Knowledgeable	1 2 3 4
	b) Well-prepared	1 2 3 4
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	a) Supported presentation material			1	2 3 3		
	b) Provided useful additional information			1	239		
	c) Were clear and well-organized Comments:			1	2 3 8		
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5.	The Resource Persons were:						
	a) Knowledgeable	1	2	3	(4)		
	b) Well-prepared	1	2	3	(4)		
	c) Responsive to participants' questions	1	2	3	(a)		
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	CH WORKSHOP- June 3 rd & 10 ^{rs} , 20
J P Nagar cam	pus, Bengaluru
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Section II: Outcome Evaluation	
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3.	Workshop handouts/instructions:		
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	b) Provided useful additional information	1 2 3 4	
	c) Were clear and well-organized	1 2 3 4	
	Comments:		
•	The activities were useful learning experiences.		
	Comments:		
5.	The Resource Persons were:		
	a) Knowledgeable	1 2 3 4	
	b) Well-prepared	1 3 3 4	
	c) Responsive to participants' questions	1234	
	Comments:	1 2 3 4	
	Comments.		
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7.	What did you like least about this workshop?		
8.	Would you recommend this workshop to someone	else?	
8.		else?	
8.	Yes No		
8.	Yes No		
8.			al

Picture Gallery:







































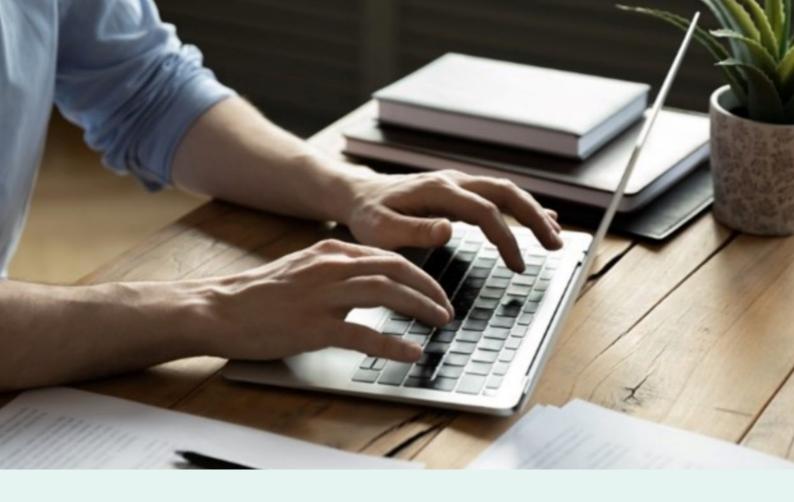


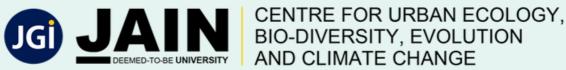




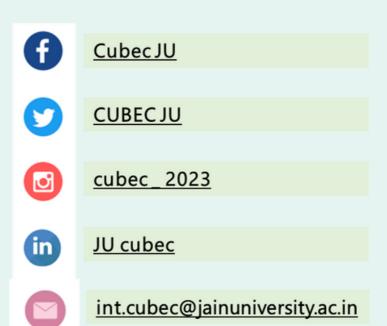








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