

**Report on – Unravelling the Magic of the Curved Arrow and
Formal Charge- Fundamentals for Writing Reaction
Mechanisms Held on – 24.05.2021**

Date of Event	24.05.2021
Name and Type of Event	Unravelling the Magic of the Curved Arrow and Formal Charge-Fundamentals for Writing Reaction Mechanisms Non-academic/Academic
Conducted by	School of Pharmacy
No. Of Participant	57

On 24th May 2021 SCHOOL OF PHARMACY ORGANIZED Workshop Cum webinar under the WEBINAR SERIES 2021 with Professor Dr. Krishna Priya Mohanraj, Principal of Bombay College of Pharmacy with the topic Unravelling the Magic of the Curved Arrow and Formal Charge-Fundamentals for Writing Reaction Mechanisms. Session started at 10:20 AM and continued for 3 hrs. Indeed it was a beneficial session for the students and participants. Dr. Krishna Priya Mohanraj has about 30 years of experience in several academic positions at reputed institutes from various agencies like Department of Science and Technology, Department of Biotechnology, AYUSH, All India Council of Technical Education, University Grants Commission, University of Mumbai, AmrutMody Research Fund and from several industries based in India and abroad. She has received Research funding of more than INR 7 crores. She has 26 Publications in highly impact factor journals to her credit. Dr. Mohanraj has collaborative research projects with Rusan Pharma, Wockhardt, Marico, Nicholas Piramal, CIPLA, USV, Torrent Research Center, QBD labs, Department of Pharmacology, Seth GS Medical College and KEM Hospital, VES college of Pharmacy, Department of Clinical Pharmacology, Topiwala Medical College and BYL Nair Hospital. She also has one Technology Transfer to her credit. The session was inaugurated by Honourable VC of ARKA JAIN University Dr. S.S. Razi and Honourable Registrar of ARKA JAIN University Mr. Jasbir Singh Dhanjal. Dignitaries from different institutions (students from Sri Jayadev College of Pharmaceutical Sciences, Bhubaneswar, Odisha; Professor Erwin faller and his students from Sanpedro College of Pharmacy, Philippines and Professor Vandana Patravale madam from ICT Mumbai) have joined the session. Miss Khusboo Raj, Asst. Professor, School of Pharmacy had given the vote of thanks and Miss Yogita Kumari, Asst. Professor, School of Pharmacy had hosted the event.



SCHOOL OF PHARMACY ORGANIZES
WEBINAR SERIES 2021

AN ONLINE WORKSHOP CUM WEBINAR

**Unravelling the Magic of the
Curved Arrow & Formal
Charge - Fundamentals
for Writing Reaction
Mechanisms**

Date : 24th May 2021
Venue: Google Meet

STAY SAFE STAY HEALTHY

JGi ARKA JAIN University
Jharkhand (Jamshedpur)

Speaker
PROF. DR. KRISHNAPRIYA MOHANRAJ
Principal - In Charge
BOMBAY COLLEGE OF PHARMACY
Kalina, Santacruz (E), Mumbai, India

www.arkajainuniversity.ac.in

Mandatory Format for all academic – non academic Event

1	Type of the Event	Academic/Non -academic Event
1	Name of the Event	Unravelling the Magic of the Curved Arrow and Formal Charge- Fundamentals for Writing Reaction Mechanisms
2	Date of Event	24 th May 2021
3	Date of Announcement	5 th May 2021
4	Detail of the Event	Unravelling the Magic of the Curved Arrow and Formal Charge- Fundamentals for Writing Reaction Mechanisms SCHOOL OF PHARMACY ORGANIZED WEBINAR SERIES 2021 on 24 th May 2021 at 10:20 AM and continued for 3 hrs. Professor Dr.Krishna PriyaMohanraj,Principal of Bombay College of Pharmacy had conducted the workshopwith the topic Unravelling the Magic of the Curved Arrow and Formal Charge- Fundamentals for Writing Reaction Mechanisms on googlemeet. https://meet.google.com/bap-jfai-dvz
5	Event Lead	Dr.JyotirmayaSahoo
6	Event Co-coordinator (Staff)	Miss Khushboo Raj
7	Event Co-coordinator (Student)	AbhishekRanjan
9	Budget Sheet of the Event	NA
10	Attach Photograph	Attached
11	Attach Press Release (if any)	
12	Result of the event (If event is result based)	57active participants.
13	Copies of MOM(if any)	Attached
14	Number of participants	57

Signature (before the event)

Authorized Signature	Signature Event Lead	Signature Event Co-ordinators	Signature Event Co-ordinators- Student	Signature Admin In-Charge	Signature – Academic Co-Co-ordinator

Signature (After the event)

Authorized Signature	Signature Event Lead	Signature Event Co-ordinators	Signature Event Co-ordinators- Student	Signature Admin In-Charge	Signature – Academic Co-Co-ordinator

Ref. No. A.TU/R/4955/21-22

To,
Dr. (Mrs.) Krishnapriya Mohanraj,
Principal In-Charge
Professor of Pharmaceutical Analysis
Bombay College of Pharmacy
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Subject: **Invitation for Virtual Webinar Series-2021**

Respected Madam,

We are glad to introduce School of Pharmacy, ARKA JAIN University, Jamsbedpur, Jharkhand promoted by the JGI Group, Bangalore situated at Tatanagar (Jamshedpur). Since you have a vast experience in your subject area Pharmaceutical Sciences and Technology, it's our privilege to invite you on the eve of **Virtual Webinar Series-2021** to share your expertise and motivate our students who have dreamed their career in Pharmacy. As per our telephonic discussion the session will be held on 24th May 2021 at 11:30 AM-1:30 PM. We are expecting a long association with you and I hope that jointly we can do better for the growth of Pharma Profession. A line of confirmation is awaited from your end. I will share the link (Google Meet) in time.

Thank you with warm regards.



Registrar

ARKA JAIN University, Jharkhand

JGI GROUP

MINUTES OF MEETING
SCHOOL OF PHARMACY

12th May 2021

Minutes of the Meeting of the School of Pharmacy ARKA JAIN University held on 12th May 2021 Virtually at 11.30 A.M.

The Following members were present:

S. No	Name of Members
1	Dr. Jyotirmaya Sahoo
2	Miss Khushboo Raj
3	Miss Yogita Kumari
4	Miss Smriti Roy
5	Mr. Alok Kumar Moharana
6	Mr. Sumanta Sen

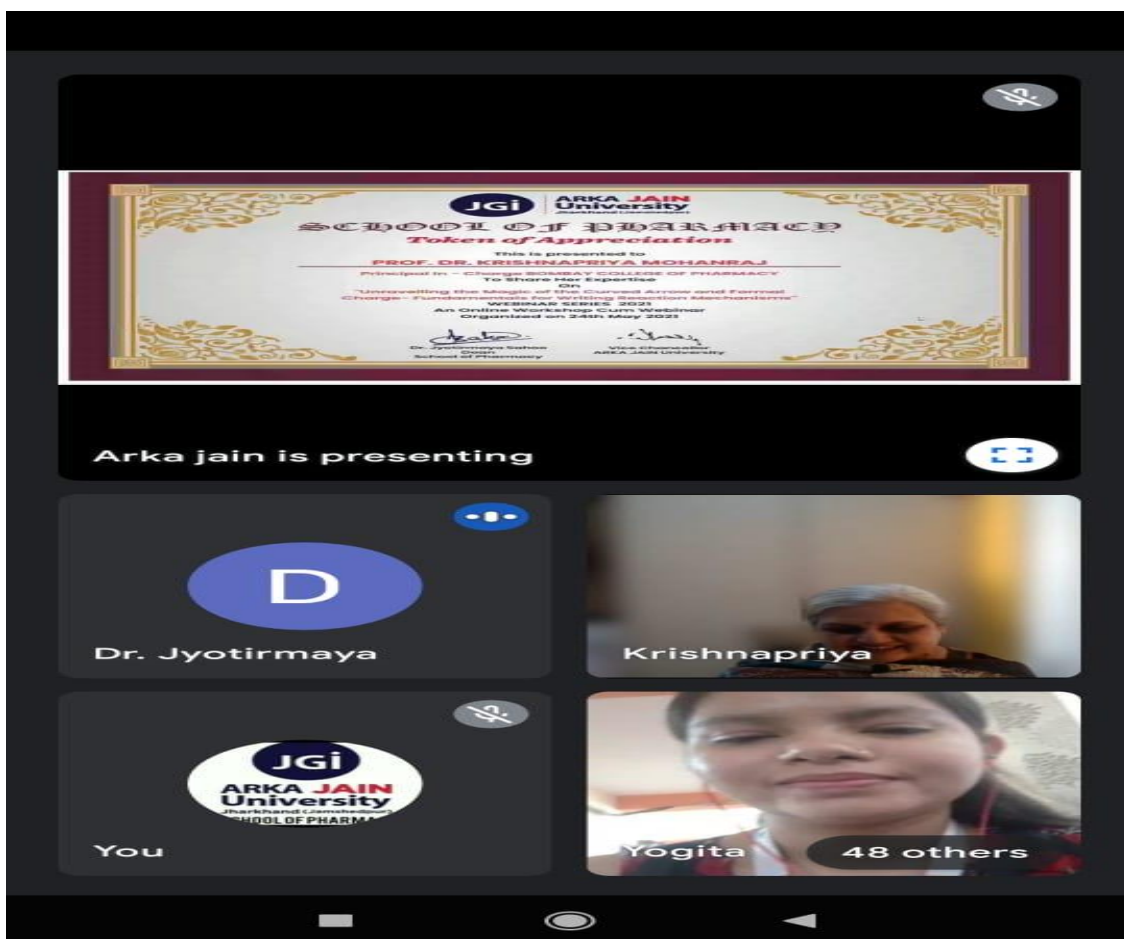
The Meeting for WEBINAR SERIES 2021 was started at 11.30 A.M. under the Chairmanship of Dr. Jyotirmaya Sahoo. Initially, Dr. Sahoo welcomed all the members and then the meeting started.

Dr. Sahoo announced that On 24th May 2021 SCHOOL OF PHARMACY will organize a workshop Cum webinar under the WEBINAR SERIES 2021 by Professor Dr. Krishna Priya Mohanraj, Principal of Bombay College of Pharmacy with the topic Unravelling the Magic of the Curved Arrow and Formal Charge- Fundamentals for Writing Reaction Mechanisms

Hon. Vice Chancellor and Registrar will inaugurate the session virtually and will be invited by the Dean of School of Pharmacy. Miss Yogita Kumari, Asst. Prof. will host the event. The invitation link will be circulated through mail. Participants will be provided with E-certificates. Feedback form will be filled and submitted to Miss Khushboo Raj, Asst. Professor, event Coordinator by the participants for documentation.

Meeting ended with the vote of thanks to all the present members.

Dr. Jyotirmaya Sahoo



Token of Appreciation Presented To Dr.KrishnapriyaMohanraj

During Workshop Dr.KrishnapriyaExpalinedAbout Curved Arrows

Curved Arrow

Curved arrow Fish hook arrow

Movement of a pair of electrons Movement of a single electron

Curved Arrow –

- Start from electron/s – non bonding or bonding.
- If arrow ends on an atom, the electron/s is/are shifted to that atom- becoming non bonding electron
- If curved arrow ends between two atoms, a covalent bond is formed between the two atoms

Krishnapriya Mohanraj

Prachi
58 others

The screenshot shows a Zoom meeting interface. The main window displays a PowerPoint slide with four chemical structures of ammonia, labeled I, II, III, and IV. Structure I is a standard Lewis structure with a lone pair on nitrogen. Structure II has a lone pair above nitrogen. Structure III has a lone pair to the left of nitrogen. Structure IV has a lone pair to the right of nitrogen. A red '-3' is written below structure I. The participant list on the right includes 'You', 'Dr. Jyotir...', a video thumbnail of a woman, and '77 others'. The name 'Krishnapriya Mohanraj' is visible at the bottom of the slide.

Inbetween the Session Dr.Krishnapriya Asked Questions to Workout

The screenshot shows a Zoom meeting interface with a whiteboard. The word 'Formula' is written at the top. Below it are four chemical structures of ammonia, labeled I, II, III, and IV, with handwritten calculations for formal charges. Structure I has a lone pair on nitrogen and a '-3' written below it. Structure II has a lone pair above nitrogen and '+1 ✓' written below it. Structure III has a lone pair to the left of nitrogen and '-1 ✓' and '+1' written below it. Structure IV has a lone pair to the right of nitrogen and '+1 ✓' and '+2' written below it. A circled '0' with '+1' above it and a checkmark is written at the bottom left. The participant list on the right includes 'You', a video thumbnail of a woman, 'Antra', and '75 others'.

Student Antra Singh B. Pharm 1st Year 2020 Batch Student Answered The Question



EVENT FEEDBACK

e-feedback Form		
Workshop Cum Webinar On" " Unravelling the Magic of the Curved Arrow and Formal Charge- Fundamentals for Writing Reaction Mechanisms" on 24 th May 2021		
1. What is your level of satisfaction for this workshop cum webinar?	a) Not satisfied	0%
	b) Little satisfied	0%
	c) Satisfied	17.1%
	d) Very satisfied	82.9%
2. Which elements of the workshop cum webinar did you like the most?	<ul style="list-style-type: none"> • ALL • It was very interactive • Ma'am has a represented her topic very nicely and at a high level of understanding • The basis tools which ma'am told like use of arrows and basic formula of formal charge • The sort of active interaction ma'am initiated with the students 	
3. What, if anything, did you dislike about this workshop cum webinar?	<ul style="list-style-type: none"> • NA • Everything was perfectly done, there was nothing lacked . • No, It was a wonderful workshop and I have been benefitted alot . • No overall webinar are good 	
4. Would you like to participate if such kind of events will organize in the future by us? *	a) Yes	100%
	b) No	0%
	c) Not Sure	0%
5. Did the event meet your expectations?	a) Yes	100%
	b) No	0%
6. Do you think today's workshop will help you to solve the basic reaction mechanism of organic chemistry?	a) Yes	97.6%
	b) No	0%
	c) Not sure	2.4%
7. Do you have any other comments/suggestions that would help us make future events better?	<ul style="list-style-type: none"> • No • Nothing • NA • An amazing experience, hope for more in near future. • No suggestions • It was already an excellent workshop. 	