



हंसराज कॉलेज
— दिल्ली विश्वविद्यालय —

HANSRAJ COLLEGE
University Of Delhi
NAAC Grade A+ with CGPA 3.62

2021-2022

Name of Society : Chemical Society-Rasayanatva

Name of the Event : Webinar on “Path towards progress: Now and Beyond”

Date of the Event : 22.01.2022

Resource person: Dr. B. S. Balaji

On 22nd January, 2022 in collaboration with IQAC, a webinar was organized, by the Department of Chemistry, Hansraj College from 11:00 am onwards, through the online platform Google meet. Dr. Manoj Kumar (webinar convenor) and Dr. Satish Chand (Convenor, Chemical Society) along with Dr. Sonu Kumar (coordinator) organised the webinar. The webinar began with the opening remarks of Dr. Satish Chand, Associate Professor, Hansraj College. In this webinar, Dr. B. S. Balaji was the resource person.

The speaker of the session Dr. B.S. Balaji is an Associate Professor in School of Biotechnology, Jawaharlal Nehru University, New Delhi. His research field and current interests include-Homogeneous and heterogeneous catalysis, solid phase peptide chemistry, gene targeting using radio pharmaceuticals, nano particles and Transesterification, diazo reactions, carbene reactions, oxidative addition reactions. He offered his valuable insights on Path towards progress: Now and Beyond in this webinar. He discussed how to find opportunities and plan accordingly, in order to chase one's dreams. He discussed the value of effective work and prioritisation of extra-curricular activities along with efficiency of work. He introduced the concept of CLARE and how one can Create connections between different topics, learn about them, while Asking questions, Recollect and Refer to different books in order to get maximum information in an effective way. He briefed about the current education and its career beyond. He acquainted the students about the opportunities, activities and work in the field of chemistry. Furthermore, he guided the students about plans to execute on the path. The webinar concluded with an intriguing discussion and questionnaire session and everyone gathered valuable information. In the end, Dr. Sonu Kumar delivered the vote of thanks to the speaker.

Feedback of the session were secured in the feedback form.

Chemical Society: Rasayanatva [2021-22]



FEEDBACK ANALYSIS

TOTAL NO. OF PARTICIPANTS: 219

FEEDBACK OBTAINED: 219

FEEDBACK RESPONSE OBSERVATIONS

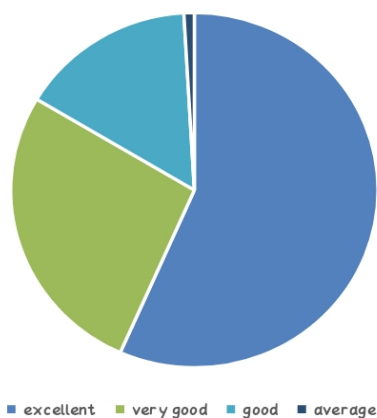
- 55% of the participants found the session to be useful.
- 57% of the attendees rated the webinar as excellent.
- 95% of the participants appreciated the knowledge of the presenter in "Path towards progress: Now and Beyond " as excellent.
- 69% of the participants found the session interesting, informative and engaging and also liked the simplicity of explanation along with the way of presentation.

FEEDBACK DATA

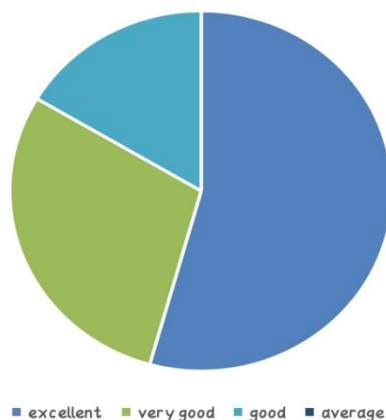
Webinar	Excellent	Very good	Good	Average
Usefulness	119	64	36	--
Lecture effectiveness	124	59	34	2
Knowledge of presenter	208	7	4	--
Overall presentation	151	45	23	--

PICTORIAL REPRESENTATION OF FEEDBACK ANALYSIS

lecture effectiveness



usefulness

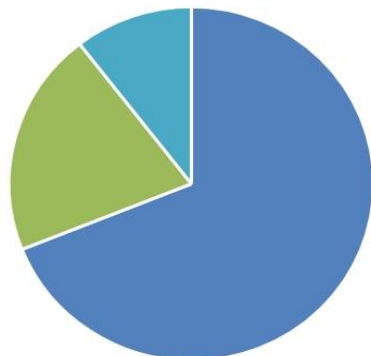




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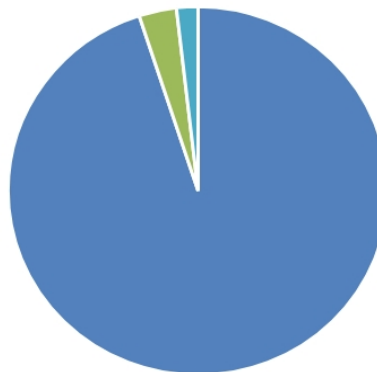
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overall presentation



■ excellent ■ very good ■ good ■ average

knowledge of presenter



■ excellent ■ very good ■ good ■ average

GLIMPSES OF THE WEBINAR

The screenshot shows a Google Meet interface during a webinar. The main content area displays a slide titled "Effective Work (what) vs Effective at Work (how)" with bullet points: "Make a check list" and "Prioritise". The slide background features a close-up of hands typing on a white keyboard. On the right side, a grid of participant avatars is visible, including MOOC in Org..., manoj kumar, satish chand, Anu Garg, SHARMILA.A 19..., Harimohan me..., Rohan Kaushal, 92 others, and You. The bottom of the screen shows the Windows taskbar with the time 11:54 AM and date 1/22/2022.

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(10) WhatsApp x Meet - csv-kmzm-kzr x +

meet.google.com/csv-kmzm-kzr

REC M MOOC in Organic Chemistry 1 is presenting

• Education (Now)

• Career (Beyond)

Teacher, IPR expert, Pharmacist, Toxicologist, Polymer chemist, QA/QC analyst, Researcher, Lab analyst

11:42 AM | csv-kmzm-kzr

Type here to search

12°C

11:42 AM 1/22/2022

(7) WhatsApp x Meet - csv-kmzm-kzr x +

meet.google.com/csv-kmzm-kzr

REC M MOOC in Organic Chemistry 1 is presenting

How to find an opportunity?

12:00 PM | csv-kmzm-kzr

Type here to search

12°C

12:00 PM 1/22/2022

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7) WhatsApp x Meet - csv-kmzm-kzr x +

meet.google.com/csv-kmzm-kzr

REC M MOOC in Organic Chemistry 1 is presenting

How to find an opportunity?

- Dream
- Have a plan of what you want to do
- Prepare a list of questions for the future

manoj kumar

97 others

You

People

All muted Add people Host controls

Search for people

In call

- S Sonuk Kumar (You) Meeting host
- B 100_Sourav Bajwan
- a aarti raut
- A Abhinav Borgohain
- Abhinav Srivastav

12:02 PM | csv-kmzm-kzr

5) WhatsApp x Meet - csv-kmzm-kzr x +

meet.google.com/csv-kmzm-kzr

REC

Harimohan meena

MOOC in Organic Chemistry 1

manoj kumar

MOOC in Organic Chemistry 1 (...)

satish chand

Anu Garg

SHARMILA.A 19UCHV128

92 others

You

12:05 PM | csv-kmzm-kzr

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REC

Harimohan meena

MOOC in Organic Chemistry 1

manoj kumar

Johari window

satish chand

Anu Garg

SHARMILA.A 19UCHV128

93 others

You

SHIVANI NIRMAL
Sir please, share the screen

csv-kmzm-kzr

REC

M MOOC in Organic Chemistry 1 is presenting

Activities

satish chand

MOOC in Org...

Shashank Sing...

hemanth kumar

Sania Midhat

manoj kumar

Harimohan me...

91 others

You

12:25 PM | csv-kmzm-kzr

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14°C

12:25 PM
1/22/2022

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Get involved in extra curricular activities

Brain Lateralization

Left Right

- Analytical thought
- Detail Oriented
- Perception
- Ordered
- Sequencing
- Rational
- Thought
- Cautious
- Planning
- Math/Science
- Logic
- Right Field Vision
- Right Side
- Motor Skills

- Intuitive Thought
- Holistic perception
- Random
- Sequencing
- Emotional
- Thought
- Non-verbal
- Adventurous
- Impulse
- Creative
- Writing/Art
- Imagination
- Left Field Vision
- Left Side
- Motor Skills

12:29 PM | csv-kmzm-kzr

Meet - csv-kmzm-kzr

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REC M MOOC in Organic Chemistry 1 is presenting

Asking questions (theory vs experiment)

- LiAlH₄ reduction (can deliver 4 hydride – theory)
- LiAlH₄ reduction (actual delivery 1 hydride – experiment)
- Acylation Reaction of carboxylic acid/phenol with anhydride or acyl halide vs acylation in the presence of base

12:34 PM | csv-kmzm-kzr



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REC M MOOC in Organic Chemistry 1 is presenting

Asking questions (theory vs experiment)

- LiAlH_4 reduction (can deliver 4 hydride— theory)
- LiAlH_4 reduction (actual delivery 1 hydride – experiment)
- Acylation Reaction of carboxylic acid/phenol with anhydride or acyl halide vs acylation in the presence of base

12:36 PM | csv-kmzm-kzr



satish chand, MOOC in Org..., Shashank Sing..., hemanth kumar, Sania Midhat, manoj kumar, Harimohan me..., Neha Gupta, Sabi Sabitha, hema kapur, 88 others, You

Type here to search

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REC M MOOC in Organic Chemistry 1 is presenting

Fixing cogwheels vs writing a mechanism



c1ccccc1C#N \rightleftharpoons c1ccccc1C(O)C#N $\xrightarrow{(i)}$ c1ccccc1C(O)C(O)C#N

Cyanohydrin

c1ccccc1C(O)C#N $\xrightarrow{(ii)}$ c1ccccc1C(O)C(O)C(O)C#N

c1ccccc1C(O)C#N $\xrightarrow{-CN}$ c1ccccc1C(O)C(O)C#N $\xrightarrow{(ii)}$ c1ccccc1C(O)C(O)C(O)C#N

<https://www.hipopox.com/en/cogs-gears-cogwheel-technical-wheel-gearwheel-work-9224>
<https://www.piqsets.com/en/public-domain-photo-jkcc>
https://en.wikipedia.org/wiki/Reaction_mechanism#/media/File:Benzoiln_condensation2.svg

12:38 PM | csv-kmzm-kzr

satish chand, MOOC in Org..., Shashank Sing..., hemanth kumar, Sania Midhat, manoj kumar, Harimohan me..., Neha Gupta, Sabi Sabitha, hema kapur, 87 others, You

Type here to search



REC M MOOC in Organic Chemistry 1 is presenting

Table or chart

Synthesis of Alcohols

From carbonyl compounds		Other than carbonyls		
No change in carbon numbers	Change in carbon numbers	No change in carbon numbers	Change in carbon numbers	
Reduction	Grignard reaction	Hydrolysis	Hydration	Grignard reaction
RCOR, RCHO	HCHO (1°)	Alkyl halide	Alkene	Alkyl halide
	RCHO (2°)		Hg(OAc) ₂ and NaBH ₄	Markovnikov addition
	RCOR', RCO ₂ R', RCOCl (3°)		Hydroboration	Anti-Markovnikov addition

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Future options (job)

- After PG
 - Research associate, Lab/technical assistant
 - Moderate salary
 - Less growth options
- After Ph.D.
 - Better starting salary
 - Chances to go abroad
 - College or university job

1:04 PM | csv-kmzm-kzr



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Careers for a Chemistry student

- Teachers (school, college, university)
- Scientists (university/industry)
 - Environmental science, forensic, toxicology, analytical
 - Pharmaceutical/medicinal chemistry, cheminformatics, biotechnology
 - Petrochemical, fertilizer, dye, paint, polymer
- Intellectual property rights lawyers (Patent expert)
- Small and medium scale industry leaders (Entrepreneurs)
- Managers, medical rep, process or R&D associate
- E-content creator/editors/publishers

1:09 PM | csv-kmzm-kzr

Participants: MOOC in Org..., RENU KUM..., anil Kumar, Shivank Saini, manoj kumar, satish chand, Sania Midhat, Harimohan me..., KIRUTHIKA.S 1..., Sabi Sabitha, 57 others, You

MOOC in Organic Chemistry 1 is presenting

What to look for

- Over ambition and little achievement
- Main product and by product
- Multi skilled, multi talented/faceted

1:18 PM | csv-kmzm-kzr

Participants: MOOC in Org..., RENU KUM..., anil Kumar, Tarun Kumar, Shashank Sing..., Janane Janane, Dk Verma, Shivank Saini, manoj kumar, satish chand, 53 others, You

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