# SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER



## **DEPARTMENT OF CHEMISTRY**

2021-22

## 1. National Webinar on "Spectroscopic Techniques: A Tool for Structure Elucidation" (STTSE-2021)

Name of the Activity – National Webinar on "Spectroscopic Techniques: A Tool for Structure Elucidation" (STTSE-2021)

**Date of activity**- 21<sup>st</sup> - 22<sup>nd</sup> October, 2021

**Number of Participants** – 1033

**Venue**–Online through Zoom platform

#### Resource Person -

S.No.	Name	Designation and Affiliation	Contact No.	Contribution in event as
1.	Dr. G.	President, Chromatographic	9820093260	Keynote
	Ramakrishnan	Society of India, Mumbai		Speaker
		Area, India		
2.	Prof. Ram T.	Senior Professor, Central	9414320581	Invited Speaker
	Pardasani	University of Rajasthan,		
		India		
3.	Dr. Rakesh K.	Assistant Professor, The	9228499273	Invited Speaker
	Sharma	Maharaja Sayajirao		
		University of Baroda,		
		Vadodara, Gujarat		
4.	Dr. Rajendra K.	Assistant Professor, Regional	9414278789	Invited Speaker
	Sharma	Institute of Education, Ajmer		

#### **Objective of the Activity**

The National Webinar was organised with the aim to introduce the recent advancements in the field of various spectroscopic techniques to the participants which will be helpful in inculcating better understanding of the various spectroscopic techniques as these techniques hold prime importance in research and development wings of various types of industries.

**Learning Outcome-** Through this National Webinar, better understanding about various spectroscopic techniques was developed in the participants. The Webinar also provided a platform to increase awareness regarding recent advances in various spectroscopic techniques.

## NATIONAL WEBINAR

On

"Spectroscopic Techniques: A Tool for Structure Elucidation"

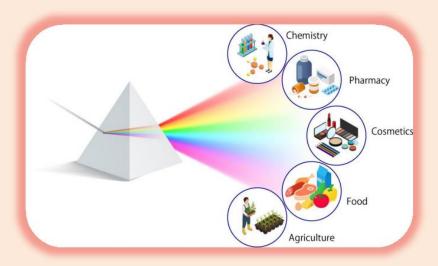


(STTSE-2021)

October 21st-22nd, 2021

Organized by

Department of Chemistry Sophia Girls' College (Autonomous), Ajmer



#### About the National Webinar

"Spectroscopy Acts as an Eye to a Scientist"

Spectroscopy holds prime importance in every area of Science and Technology; from Research and Analysis to being fundamental to every industry may be chemical, petrochemical, mining, food and many more to space exploration. It is a Molecule's Fingerprint, unique to every molecule. It acts as a tool for studying the structure of atoms and molecules, for finding the chemical composition of unknown constituents, for determining the concentration of certain compounds in air and soil samples, in biomedical sciences, in astronomy to name a few. This webinar will enrich the knowledge about the various spectroscopic techniques, their applications and advancements.

#### **Our Esteemed Speakers**



Dr. G. Ramakrishnan
President
Chromatographic Society of India
Mumbai Area, India



Prof. Ram T. Pardasani
Senior Professor
Department of Chemistry
Central University of Rajasthan, India



Dr. Rakesh K. Sharma

Assistant Professor

Department of Applied Chemistry

The Maharaja Sayajirao University of Baroda,

Vadodara, India



Dr. Rajendra K. Sharma
Assistant Professor
Department of Chemistry
Regional Institute of Education, Ajmer, India

#### Organizing Committee

#### **Patron**

#### Dr. Sr. Pearl

Principal
Sophia Girls' College (Autonomous), Ajmer, India

#### Convener

#### Dr. Taruna Sethi

Associate Professor & Head
Department of Chemistry
Sophia Girls' College (Autonomous), Ajmer, India

#### **Organizing Secretary**

#### Dr. Suneeta Rao

Assistant Professor
Department of Chemistry
Sophia Girls' College (Autonomous), Ajmer, India

#### **Members of Organizing Committee**

Ms. Laveena Gulabchandani
Ms. Divya A. Thomas
Dr. Tanveer A. Khan
Department of Chemistry
Sophia Girls' College (Autonomous), Ajmer, India

#### Link for Registration: <a href="https://forms.gle/3CGjoVXtELgYgeFC7">https://forms.gle/3CGjoVXtELgYgeFC7</a>

✓ "No Registration Fee"
 ✓ "E-Certificates will be provided to those who attend both the days of the Webinar"
 ✓ Meeting will be conducted via zoom platform
 ✓ Time: 11:30 am Onwards

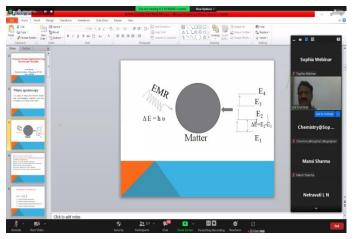
#### **Contact Details**

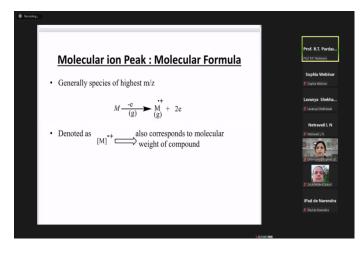
Email Id: chemistry@sophiacollegeajmer.in

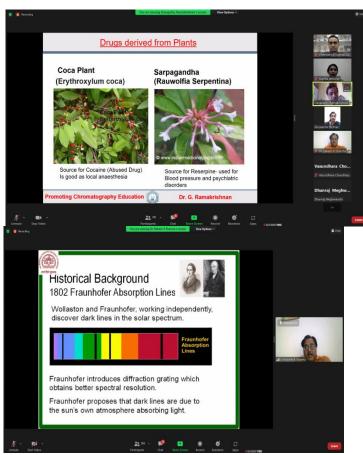
Dr. Taruna Sethi: +91-9460610654 and Dr. Suneeta Rao: +91-9413892143

#### NATIONAL WEBINAR ON "SPECTROSCOPIC TECHNIQUES-A TOOL FOR STRUCTURE ELUCIDATION " ORGANISED BY DEPARTMENT OF CHEMISTRY











#### 2. Power Point Presentation "Skopia Metria: Explore Molecules"

Name of the Activity- Power Point Presentation "Skopia Metria: Explore Molecules"

**Date of activity** – 4<sup>th</sup> December, 2021

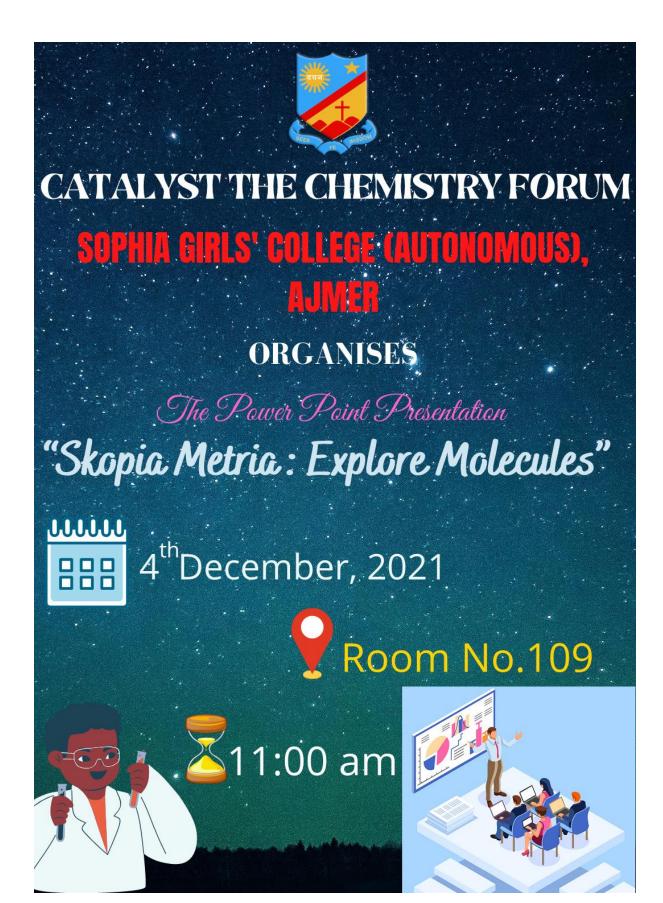
**Number of Participants** – 29 students

Venue - Room No. 109, Sophia Girls' College (Autonomous), Ajmer

#### **Objective of the Activity**

The aim of organising the Power point presentation "Skopia Metria: Explore Molecules" is to brush up the teaching skills of the PG students and to enrich their Knowledge. It will be helpful in inculcating creativity and digital knowledge to prepare an effective presentation in the students. It will augment the presentation skills and thus helps in the holistic growth of the learners.

**Learning Outcome-** The Power point presentation activity was helpful in enhancing the teaching and presentation skills of the students.







3. An Expert Talk on "Preparation Strategies for CSIR- NET Chemical Sciences"

## CATALYST THE CHEMISTRY FORUM

SOPHIA GIRLS' COLLEGE (AUTONOMOUS), **AJMER** 



**Organises** an Expert Talk

On

### "PREPARATION STRATEGIES FOR **CSIR-NET CHEMICAL SCIENCES**"

"THE BEST PREPARATION FOR TOMORROW IS DOING YOUR BEST TODAY



**✓** JANUARY 21, 2022 | 10am



Online mode via Google Meet



Dr. R.K. Sharma Assistant Professor, Department of Chemistry, Regional Institute of Education, NCERT, Ajmer

"THE SECRET OF YOUR SUCCESS IS DETERMINED BY YOUR HARD WORK AND STRONG FOCUS ON YOUR GOAL."

Name of the Department- Chemistry

Name of the Activity— An Expert Talk on "Preparation Strategies for CSIR- NET Chemical Sciences"

**Date of activity** – 21<sup>st</sup> January, 2022

**Number of Participants** – 31 students

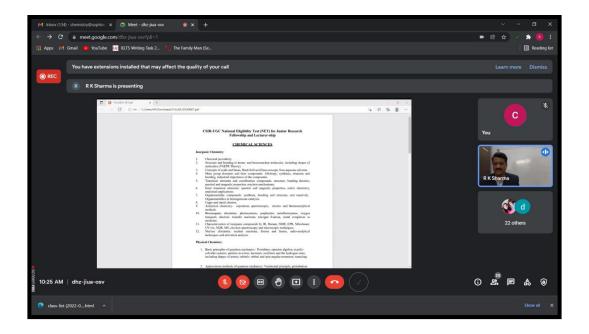
Venue-Online through Google Meet

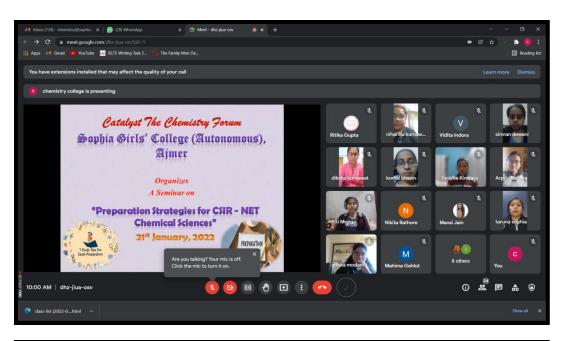
**Resource Person** – Dr. R.K. Sharma, Assistant Professor, Department of Chemistry, Regional Institute of Education, NCERT, Ajmer.

**Objective of the Activity-** The aim of the expert talk on Preparation strategies for CSIR-NET exam was to help the aspirants in making effective roadmap for methods of attempting questions and getting success in the above endeavour. The Seminar was exclusively organised for the M.Sc. Chemistry Previous and Final year Students as CSIR- NET is a significant milestone in their academic journey.

#### **Learning Outcome**

The Seminar will provide a bright opportunity for the CSIR- NET aspirants to achieve success in this prestigious national level examination.







4. "ChemWorld- The Chemistry Model Fest"

## CATALYST THE CHEMISTRY FORUM

Sophia Girls' College (Autonomous), Ajmer organises

## ChemWorld

## The Chemistry Model Fest



Date - 11 <sup>th</sup> March, 2022 Venue - Fortunatus Indoor Stadium Time - 12: 00 pm

Students have to prepare working/nonworking models on any topic related to Chemistry

The activity aims at enhancing creativity of students and will help them apply their theoretical knowledge practically

All the Participants will get an e- certificate.

Interested Students may submit their names on or before February 22 2022.

Name of the Department- Chemistry

Name of the Activity- "ChemWorld- The Chemistry Model Fest"

**Date of activity** – 11<sup>th</sup> March, 2022

Number of Participants -62

Venue-Fortunatus Indoor Stadium

#### Resource Persons -

S.No.	Name	Designation and Affiliation	Contribution in event as
1.	Dr. Alok Chaturvedi	Associate Professor, SPC Government College, Ajmer	Judge
2.	Dr. Pragya Tak	Associate Professor, SPC Government College, Ajmer	Judge
3.	Dr. Narendra Nirwan	Assistant Professor, Government Girls College, Ajmer.	Judge

#### Objective of the Activity –

The aim of the ChemWorld- The Chemistry Model Fest was to enrich the creative and innovative aptitude in the students and explore the applications of various fundamentals in practical world. Total 62 students participated in the model making competition from both undergraduate and postgraduate classes. The students displayed various types of models which were based on significant topics of chemistry syllabi such as electrochemistry, periodic Table, crystal structures, and nuclear chemistry, in an innovative and creative way which attracted the attention of the visitors. The model making competition was judged by experts from reputed institutions of Ajmer.

#### **Learning Outcome**

The Model Fest enriched the creative and innovative aptitude in the students. It provided the platform to students to showcase their practical knowledge.





