

Reports of Activities conducted during the academic year 2021-22

National Webinar Report

Date: 9th July 2021

Topic: Spectral Analysis

Organized by: Dept of Chemistry-PG

Conveners: P.Shравanthi & M.Sangeetha Lawrence

Guest Speaker: Dr.A.Swaroop Rani

Asst. Prof, Dept of Chemistry, Osmania University College for women, Koti, Hyd



The brochure is for a national webinar organized by the Department of Chemistry (PG) & IQAC at Keshav Memorial Institute of Commerce and Sciences (KMES), Narayanaguda, Hyderabad. The webinar is on the topic of Spectral Analysis, scheduled for July 9, 2021, at 11:00 AM. The guest speaker is Dr. A. Swaroopa Rani, an Assistant Professor in the Department of Chemistry at Osmania University College of Women (OUCW), Koti, Hyderabad. The brochure lists the Principal (Prof. K. Someswara Rao) and Director (Prof. J. Nageswara Rao) of KMES, as well as the conveners (P. Shrawanthi and M. Sangeetha Lawrence) and co-ordinators (V. Anjaneyulu, N. Krishna Prasad, S. Pranitha, and G. Sindhuri). A registration link is provided: <https://meet.google.com/cec-qnxu-sgr>. A note at the bottom states that a certificate will be provided for participants.

KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES
(Affiliated to Osmania University) Narayanaguda, Hyderabad, 500029.

Department of Chemistry (PG) & IQAC
is organizing a National Webinar on

SPECTRAL ANALYSIS
Date: 09-07-2021 Time: 11:00 am

Guest Speaker
Dr. A. Swaroopa Rani
Asst. Prof, Dept of Chemistry
Osmania University College of Women (OUCW)
Koti, Hyderabad.

Click here to join the Webinar on 09/07/2021
<https://meet.google.com/cec-qnxu-sgr>

Dr. Annadanam Subramanyam
Secretary, KMES

Prof. K. Someswara Rao Principal
Prof. J. Nageswara Rao Director, KMES

DEPARTMENT OF CHEMISTRY (PG)

Conveners
P.Shrawanthi
M.Sangeetha Lawrence

Co-ordinators
V.Anjaneyulu
N.Krishna Prasad
S.Pranitha
G.Sindhuri

Certificate will be provided for the participants.

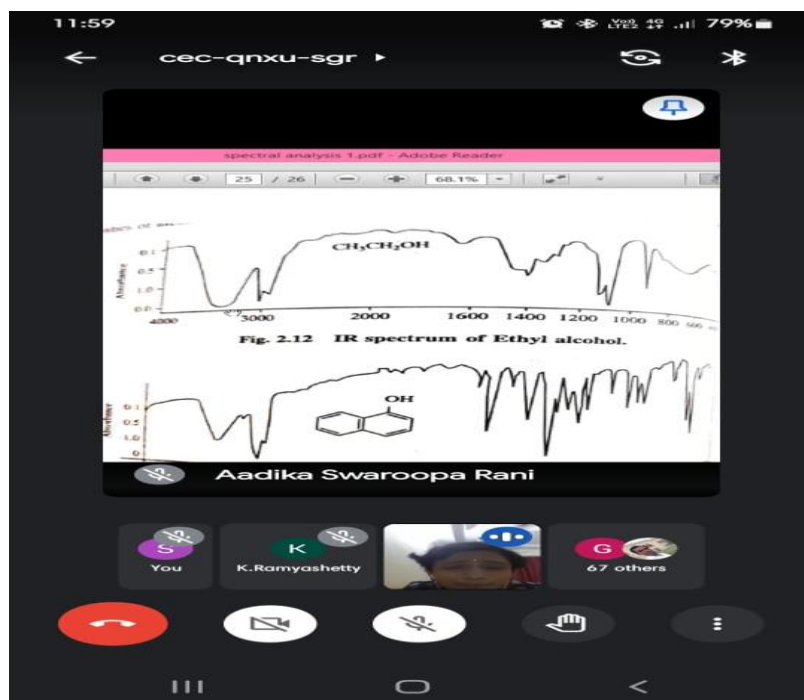
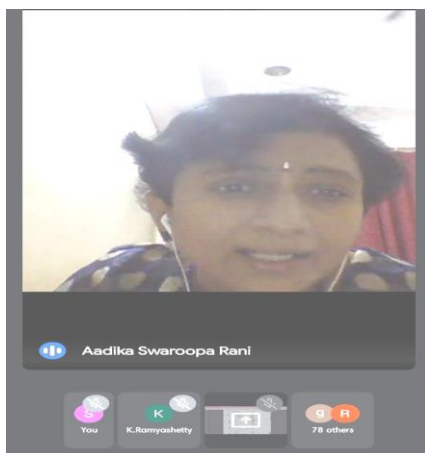
Brochure for National Webinar



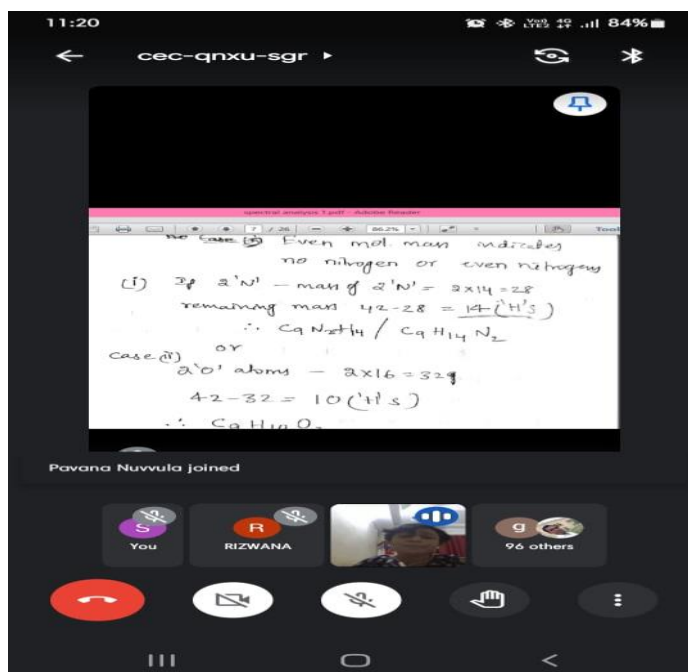
Resource Person Dr. A. Swaroopa Rani, Dept of Chemistry, OUCW



Webinar Participants



Guest Speaker explaining spectral analysis on Google Meet platform using PPT presentation



Aim:

How to determine the structure of any compound from the given spectral data

Objectives of the webinar:

Madam has explained very clearly and elaborately about the spectral analysis by giving organic compounds as examples and also provided different spectral data such as NMR(H^1 & C^{13}), IR, UV-VISIBLE, MASS DATA and explained how to determine structures to different compounds in different spectral methods by using their respective spectral data. Students also clearly understood the topic of spectral analysis and how to assign structures to different molecules. The topic was very useful to the students as it covered their practical topic and also for CSIR-NET and for their Lab interviews.

National Webinar Report

Date: 13th July 2021

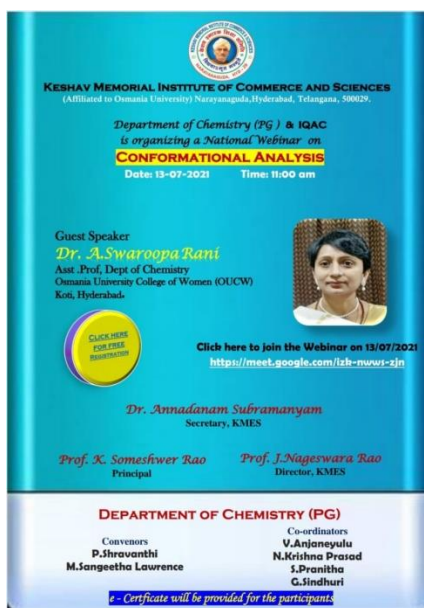
Topic: Conformational Analysis

Organized by: Dept of Chemistry-PG

Conveners: P.Shravanthi & M.Sangeetha Lawrence

Guest Speaker: Dr.A.Swaroopo Rani

Asst.Prof.Dept of Chemistry, Osmania University College for Women, Koti, Hyd



The brochure is a vertical rectangular poster with a blue background. At the top, it features the logo of Keshav Memorial Institute of Commerce and Sciences (KMES) and its name. Below this, it states the affiliation to Osmania University and the location. The main text announces a national webinar on 'CONFORMATIONAL ANALYSIS' organized by the Department of Chemistry (PG) & IQAC. The date is 13-07-2021 at 11:00 am. A guest speaker, Dr. A. Swaroopa Rani, is introduced with her title and affiliation. A small portrait of her is shown. A yellow circular button with a play icon and the text 'CLICK HERE TO JOIN THE WEBINAR' is provided. A link to the webinar is also given. The brochure lists the Secretary, Principals, and Directors of KMES, as well as the conveners and coordinators of the department. A note at the bottom states that a certificate will be provided for participants.

KESHAV MEMORIAL INSTITUTE OF COMMERCE AND SCIENCES
(Affiliated to Osmania University) Narayanaguda, Hyderabad, Telangana, 500029.

Department of Chemistry (PG) & IQAC
is organizing a National Webinar on
CONFORMATIONAL ANALYSIS
Date: 13-07-2021 Times: 11:00 am

Guest Speaker
Dr. A.Swaroopo Rani
Asst. Prof, Dept of Chemistry
Osmania University College of Women (OUCW)
Koti, Hyderabad.

Click here to join the Webinar on 13/07/2021
<http://meet.google.com/izh-muvut-zjn>

Dr. Amadanam Subramanyam
Secretary, KMES

Prof. K. Someswar Rao *Prof. J.Nageswara Rao*
Principal Director, KMES

DEPARTMENT OF CHEMISTRY (PG)
Conveners
P.Shravanthi
M.Sangeetha Lawrence

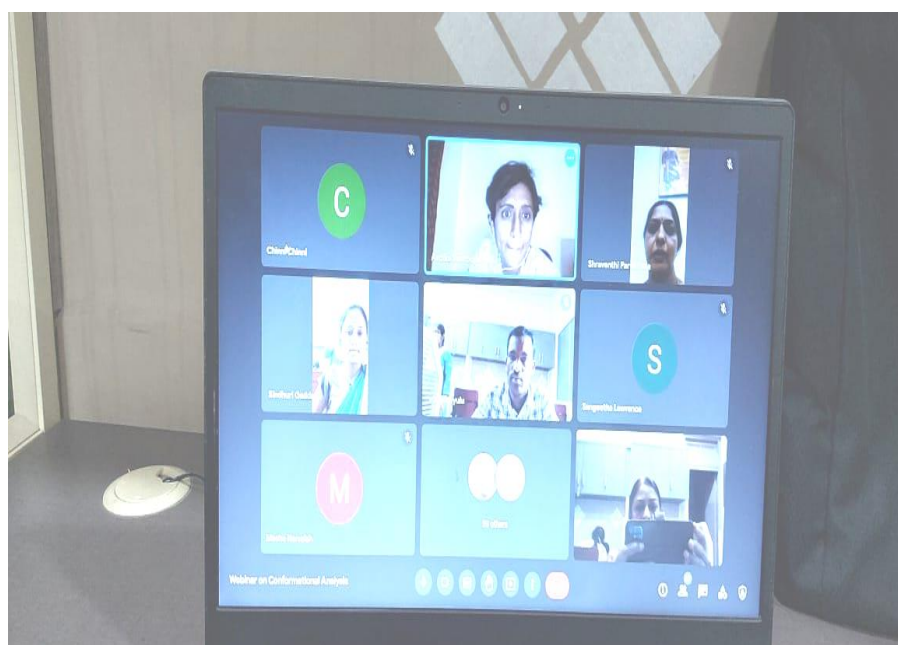
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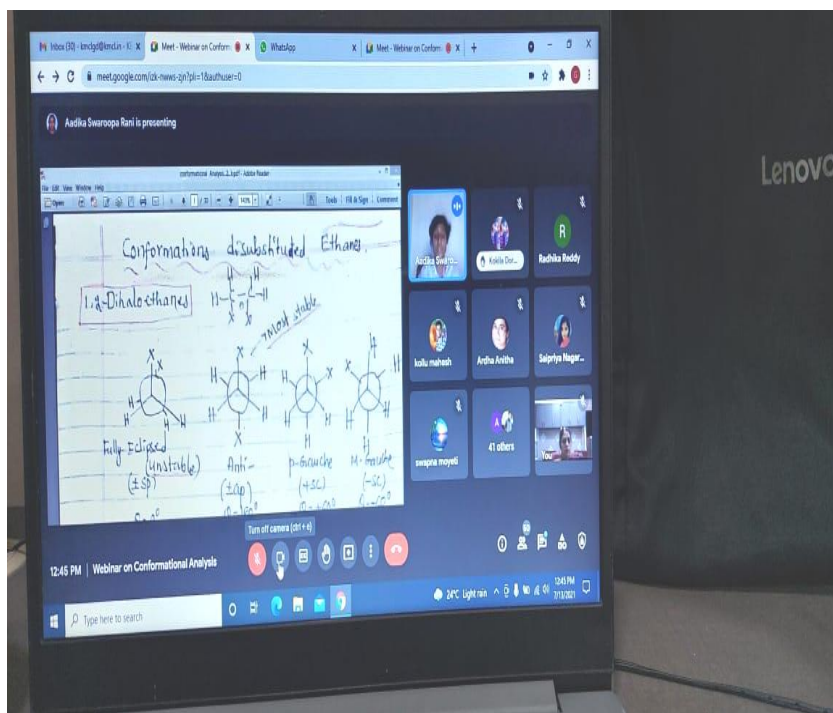
Brochure for National Webinar



Resource Person Dr. A. Swaroopa Rani, Dept of Chemistry, OUCW



Webinar Participants



Guest Speaker explaining Conformational analysis on Google Meet platform using PPT slide sharing

Aim:

To Determine Conformational structures of different organic molecules

Objectives of the webinar:

Madam has explained very clearly and elaborately about the Conformational analysis by taking different organic compounds as examples and explained types of conformational isomers and relative stability of conformers which is important in predicting product selectivity, mechanism and reaction rates.

NATIONAL SCIENCE DAY CELEBRATIONS

Topic: “CHEMISTRY AND SUSTAINABILITY”.

Date: 28-02-2022

Venue: S.V Hall

On the Occasion of National Science Day , Department of Chemistry P.G has Organized a seminar for both Organic & Analytical chemistry students on the topic “CHEMISTRY AND SUSTAINABILITY”.



Guest along with staff honored Koratkar Statue with Garland.



Welcoming the Guest by Harshitha (M.Sc. Analytical chemistry student)



Student presenting sapling to the Guest



Student presenting sapling to the Principal



Student presenting sapling to the Convener of Science Association Mrs. P. Shраванти



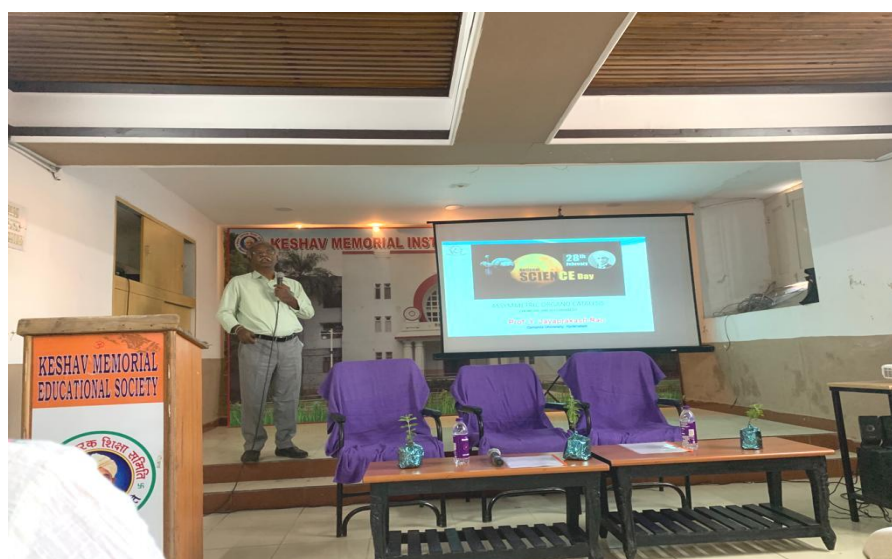
Introduction of Science Day was given by the convener



Principal of KMICS Dr. K. Someshwer Rao Addressing the Gathering



Guest introduction by Shanmukhi (M.Sc Organic chemistry student)



Seminar Presentation by Prof. Jayaprakash Rao Garu



Vote of thanks was proposed by Sharath (M.Sc Organic chemistry student)



Staff and Principal felicitated the Guest

Out Comes:

Sir has clearly explained about the topic Chemistry and Sustainability by taking various compounds as examples. Students also clearly understood Asymmetric synthesis, Organo catalysis, how different catalysts are used to increase the rate of reaction for various organic compounds synthesis. Sir has also explained about Catalysts and their impacts on the Society through Asymmetric synthesis of various compounds and how sustainability can be achieved by means of chemistry in all aspects.

Department of Chemistry-PG (Organic & Analytical Chemistry)

FIELD TRIP

Date: 12/05/2022

Place: Biological E. Ltd, Koltur, Shameerpet

No of Students participated: 56





Staff along with students





Students at Biological E. Ltd



Students along with the staff participated in the field trip

Field Trip Report

Outcomes:

The production unit staff has demonstrated how drug enoxaparin sodium can be synthesized using different reactors. They have explained that the drug can be produced in three different stages by using various chemicals and solvents and finally separation will be done by filtration, centrifugation and drying of the wet material and finally the drug is dissolved in methanol and used for final analysis by using instrumental techniques. Biological E. Ltd unit staff clearly explained and demonstrated the complete production unit and how drugs are manufactured by using various procedures to all the students. Students also had a clear understanding regarding the production which correlates to their academic knowledge of synthesis or production of drugs. The trip was very useful to all the students as it has provided a real practical experience to see a real drug preparation in big Pharma labs.