



Kanoria  
PG Mahila  
Mahavidyalaya  
Jaipur

## 19. National Workshop on "Stereochemistry and Spectroscopy Application (SSA)"

Date: 22-04-2019 to 24-04-2019

### 1. Brochure:

<p style="text-align: center;">National Workshop On Stereochemistry and Spectroscopy Applications (SSA – 2019)</p> <p style="text-align: center;"><b>REGISTRATION FORM</b></p> <p>Name (Block Letters) : .....</p> <p>Designation : .....</p> <p>Organization : .....</p> <p>Address : ..... ..... ..... .....</p> <p>Contact No. : .....</p> <p>E-mail : .....</p> <p style="text-align: right;">Signature</p> <p><small>*Provision of lunch is only for faculty members</small></p>	<p style="text-align: center;"><b>Chief Patron</b> Dr. Rashmi Chaturvedi Director Kanoria PG Mahila Mahavidyalaya, Jaipur (Raj.)</p> <p style="text-align: center;"><b>Patron</b> Dr. Seema Agarwal Principal Kanoria PG Mahila Mahavidyalaya, Jaipur (Raj.)</p> <p style="text-align: center;"><b>Convener</b> Dr. KumudTanwar (Associate Professor &amp; PG Head) Kanoria PG Mahila Mahavidyalaya, Jaipur (Raj.)</p> <p style="text-align: center;"><b>Organizing Secretary</b> Dr. Deeptima Shukla (Dean, Academics) Kanoria PG Mahila Mahavidyalaya, Jaipur (Raj.)</p> <p style="text-align: center;"><b>Organizing Committee</b> Dr. Usha Bhatia, Head, Dept. of Physics, KMM Dr. Sarla Sharma, Dean, Students Affairs, KMM Dr. Ratna Saxena, Head, Dept. of Zoology, KMM Dr. Arti Mishra, Department of Chemistry, KMM Dr. Swati Singh, Department of Chemistry, KMM</p> <p style="text-align: center;"><b>Members</b></p> <table border="0"><tr><td>Dr. Neeru Razdan</td><td>Ms. Medha Babel</td></tr><tr><td>Dr. Nidhi Gupta</td><td>Dr. Sachi Sharma</td></tr><tr><td>Ms. Rukhsar Khan</td><td>Dr. Madhuri Modi</td></tr><tr><td>Ms. Nisha Saini</td><td>Dr. Jyoti Sharma</td></tr><tr><td>Dr. Nidhi Agnihotri</td><td>Dr. Hemlata Sharma</td></tr><tr><td>Ms. Priyanka Jangid</td><td>Ms. Rachana Bansal</td></tr></table> <p style="text-align: center;"><i>Seema</i> PRINCIPAL KANORIA PG MAHILA MAHAVIDYALAYA JAIPUR</p>	Dr. Neeru Razdan	Ms. Medha Babel	Dr. Nidhi Gupta	Dr. Sachi Sharma	Ms. Rukhsar Khan	Dr. Madhuri Modi	Ms. Nisha Saini	Dr. Jyoti Sharma	Dr. Nidhi Agnihotri	Dr. Hemlata Sharma	Ms. Priyanka Jangid	Ms. Rachana Bansal	<p style="text-align: center;">National Workshop On Stereochemistry and Spectroscopy Applications (SSA – 2019)</p> <p style="text-align: center;">April 22 – 24, 2019</p> <p style="text-align: center;"></p> <p style="text-align: center;"></p> <p style="text-align: center;"></p> <p style="text-align: center;">Organized by: Department of Chemistry Kanoria P. G. Mahila Mahavidyalaya, Jaipur (Rajasthan)</p> <p style="text-align: center;">Venue: Kanoria P. G. Mahila Mahavidyalaya, Jaipur</p>
Dr. Neeru Razdan	Ms. Medha Babel													
Dr. Nidhi Gupta	Dr. Sachi Sharma													
Ms. Rukhsar Khan	Dr. Madhuri Modi													
Ms. Nisha Saini	Dr. Jyoti Sharma													
Dr. Nidhi Agnihotri	Dr. Hemlata Sharma													
Ms. Priyanka Jangid	Ms. Rachana Bansal													



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Jaipur**

**About the Institution**

Kanoria PG Mahila Mahavidyalaya was established in 1965 by Late Bhagirath Kanoria in aesthetic environs at Jawahar Lal Nehru Marg as the first institution of higher education for women through grant-in-aid from the Government of Rajasthan. Sprawling lush green lawns adorned with ornamental trees beautify the campus and make it conducive to learning. A well maintained botanical garden, nursery and the abounding greenery also protect the biodiversity of the area. Infrastructure facilities and amenities in the college add the effective and efficient conduct of all educational programs. The college offers degree programs at the undergraduate and post graduate level in Arts, Commerce and Science. This college has earned a prestigious reputation of harnessing a progressive outlook towards education by introducing new courses at UG and PG level, from time-to-time, skill enhancement and career oriented courses. About 6500 students enroll every year in 27 subjects in Science, Arts and Commerce streams for Bachelor's program and 15 Master's programs.

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**Theme of the Workshop**

The national workshop on "Stereochimistry and Spectroscopy Applications" (SSA-2019) is focused at the postgraduate students, research scholars, and teaching faculty, to enrich their knowledge on advancements taking place in the arena of various spectroscopic, IR spectroscopic, NMR spectroscopic, Fourier spectroscopic, its applications and structure determination techniques. Eminent specialists on each one of these techniques will share their knowledge and experience. All are cordially invited to participate and derive the benefit.

**Course Content**

- Stereochimistry
- Spectroscopy

**Registration Fee**

- Research Scholar and Students : Rs. 500/-
- Faculty : Rs. 1200/-

**Resource Persons :**

- Prof. P.S. Kalsi
- Dr. Neelima Gupta
- Dr. Satpal Badsara

**Contact Persons/Mail ID**

- Dr. Kumud Tanwar (+91-8005942288 / 7790913717)  
tanwar\_kumud@yahoo.co.in
- Dr. Arti Mishra (+91-9460117824)

**Advisory Committee**

Prof. P.S. Kalsi, UGC Resource Person  
Prof. A.K. Tyagi, FRSC, Head, Solid State Chemistry Section, Chemistry Division, Bhabha Atomic Research Center (BARC), Mumbai  
Prof. Anshu Dandia, Former Head, Department of Chemistry, University of Rajasthan, Jaipur  
Dr. Ashok Kumar Kakodria, S.G.G., Government College, Banswara  
Dr. Anil K. Bhatnagar, Govt. College, Kaladera, Jaipur  
Dr. D. V. Prabhu, General Secretary, ACT  
Dr. M.R.R. Prasad, Scientist (Retired), Indian Space Research Organization (ISRO), Dept. of Space, Govt. of India  
Prof. M.P. Dhobhal, Department of Chemistry, UOR, Jaipur  
Dr. Mahesh Sharma, Dept. of Chemistry, UOR, Jaipur  
Dr. Neelima Gupta, Dept. of Chemistry, UOR, Jaipur  
Dr. Nighal Fahal, Dept. of Chemistry, UOR, Jaipur  
Prof. P.S. Verma, Former Head, Dept. of Chemistry, UOR, Jaipur  
Prof. R.K. Bansal, Dept. of Chemistry, IIS University, Jaipur  
Prof. R. T. Fardasani, Central University of Rajasthan, Ajmer  
Dr. S.C. Baghel, Dept. of Chemistry, KMM, Jaipur  
Dr. Satpal Singh Badsara, Dept. of Chemistry, UOR, Jaipur  
Prof. V. C. Bhatti, Former Head, Dept. of Physics, MNIT Jaipur  
Dr. V. C. Joshi, Dept. of Chemistry, UOR, Jaipur

**National Workshop  
On  
Stereochimistry and Spectroscopy  
Applications (SSA – 2019)  
April 22 – 24, 2019**

**SCHEDULE**

<b>22<sup>nd</sup> April, 2019</b>	
10:30 – 11:00 am	: Registration
11:00 – 11:15 am	: Inaugural Session
11:15 – 12:15 pm	: Technical Session I "General Spectroscopy"
12:15 – 12:30	: Tea Break
12:30 – 01:30 pm	: Technical Session II "Language of Stereo Chemistry"
01:30 – 2:30 pm	: Technical Session III "Stereo Chemistry"
<b>23<sup>rd</sup> April, 2019</b>	
09:30 – 11:30 am	: Technical Session IV "IR Spectroscopy"
11:30 – 11:45 am	: Tea Break
11:45 – 01:45 pm	: Technical Session V "Application of IR Spectroscopy"
01:45 – 02:15 pm	: Lunch*
02:15 – 03:15 pm	: Problem Session
<b>24<sup>th</sup> April, 2019</b>	
09:30 – 11:30 am	: Technical Session VI "NMR Spectroscopy"
11:30 – 11:45 am	: Tea Break
11:45 – 01:45 pm	: Technical Session VII "Application of NMR Spectroscopy"
01:45 – 02:15 pm	: Lunch*
02:15 – 03:15 pm	: Valedictory Function

## 2. List of resource person/guests:


1. Prof. P.S. Kalsi, Emeritus Scientist
2. Prof. Udai Kumar R. Yaragatti, Director, MNIT Jaipur
3. Dr. Ragini Gupta, Department of Chemistry, MNIT Jaipur
4. Prof. M.C. Sharma, University of Rajasthan
5. Dr. Neelima Gupta
6. Dr. Satpal Badsara



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### 3. Geotagged photograph of the event:



 26.88635, 75.81223

Photograph During Session



 26.88635, 75.81223

Group Photograph in the Valedictory Session

## National Workshop of Chemistry

A three day chemistry workshop had been organized from 22<sup>nd</sup> - 24<sup>th</sup> April, 2019 on "Stereochemistry & Spectroscopy Applications" in Kanoria PG Mahila Mahavidyalaya, Jaipur. This educational workshop was conducted successfully with the help & support of Dr. Rashmi Chaturvedi (Director, KMM), Dr. Seema Agarwal (Principal, KMM) and Dr. Kumud Tanwar (Head of PG Chemistry Department). This workshop was focused at the postgraduate students, research scholars & teaching faculty to enrich their knowledge on advancements taking place in the arena of IR & NMR spectroscopy, its applications and various structure determination techniques.

On 22<sup>nd</sup> April the inaugural session of this workshop had been conducted by welcoming the internationally renowned emeritus scientist Prof. P. S. Kalsi, Prof. Uday Kumar R. Yaragatti (Director of MNIT, Jaipur), Dr. Ragini Gupta (Head, Dept. of Chemistry, MNIT), Dr. Neelima Gupta (Senior Associate Prof. and Principal of Maharaja College) and Prof. M.C. Sharma (Associate Prof. and Convenor of UOR). The commencement of the workshop had been done by lamp lighting, after which flower bouquet were presented to all the chief guests. After that Prof. Uday Kumar R. Yarragatti and Prof. P.S. Kalsi enlightened and blessed the audience by their inspirational words. They encouraged the students and emphasized on the women education.

Theme of the workshop was presented by Dr. Arti Mishra, Associate Professor, Department of Chemistry, KMM, Jaipur followed by the vote of thanks by Dr. Swati Singh, Assistant Professor, Department of Chemistry, KMM, Jaipur.

The first technical session was delivered by Dr. Neelima Gupta on "NMR Spectroscopy". She explained the basic concepts of NMR and various advanced applications of NMR Spectroscopy. The second and third technical sessions were by Prof. P.S. Kalsi on "IR Spectroscopy". He explained the functional determination of a group by IR and comparison between two compounds by IR.

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The second technical session was given by Prof. P.S. Kalsi in which he pointed towards the main aspects of language of stereochemistry followed by the third technical session in which he through light on basic aspects of stereochemistry.

The next day i.e. 23<sup>rd</sup>April, lecture started with the fourth technical session by Dr. Satpal Badsara on "Application of IR Spectroscopy", in which he had showed & explained IR spectra of various compounds. The fifth & sixth technical session were on "Stereochemistry" by Prof. Kalsi, in which he tried effectively to show the stereochemistry of molecules in 3-D and cleared the various doubts of the students. On the last day of the workshop i.e. 24<sup>th</sup>April seventh & eighth technical session on "Conceptual Stereochemistry" were taken by Prof. Kalsi. He explained the basic concepts of stereochemistry and also solved the problems of the students. Then afterwards Valedictory function was organized, in which students explained their experience of this three day workshop. Dr. Kumud Tanwar gave vote of thanks to all the chief guests and showed gratitude towards Prof. P.S. Kalsi. Students and teachers had participated effectively and they shared their knowledge and experience to each other.

  
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