SOPHIA COLLEGE (AUTONOMOUS), AJMER

DEPARTMENT OF CHEMISTRY

International/National Seminars/ Conferences/ Workshops

2021-22

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

Date of activity- 21st - 22nd 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. Ramakrishnan	President, Chromatographic Society of India, Mumbai Area, India	9820093260	Keynote Speaker
2.	Prof. Ram T. Pardasani	Senior Professor, Central University of Rajasthan, India	9414320581	Invited Speaker
3.	Dr. Rakesh K. Sharma	Assistant Professor, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	9228499273	Invited Speaker
4.	Dr. Rajendra K. Sharma	Assistant Professor, Regional Institute of Education, Ajmer	9414278789	Invited Speaker

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

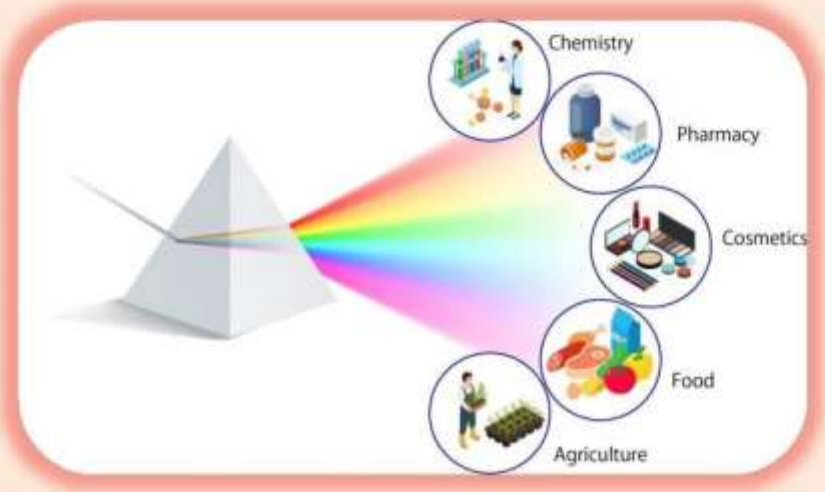
"Spectroscopic Techniques: A Tool for Structure Elucidation"

(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: https://forms.gle/3CGjoVXtELgYgeFC7

✓ "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

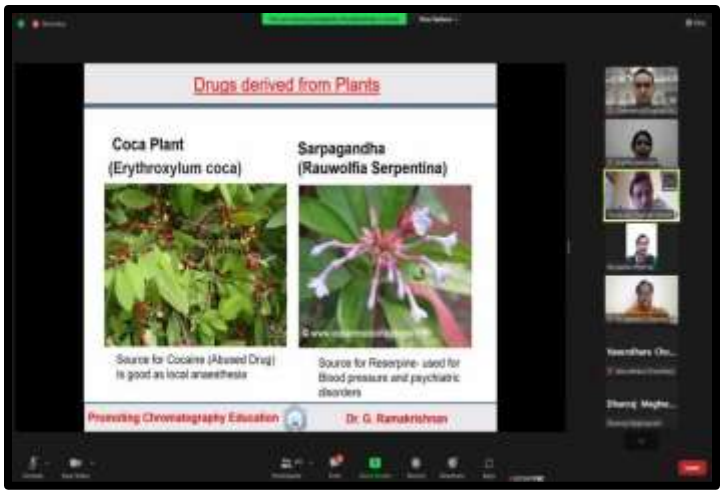
✓ Time: 11:30 am Onwards

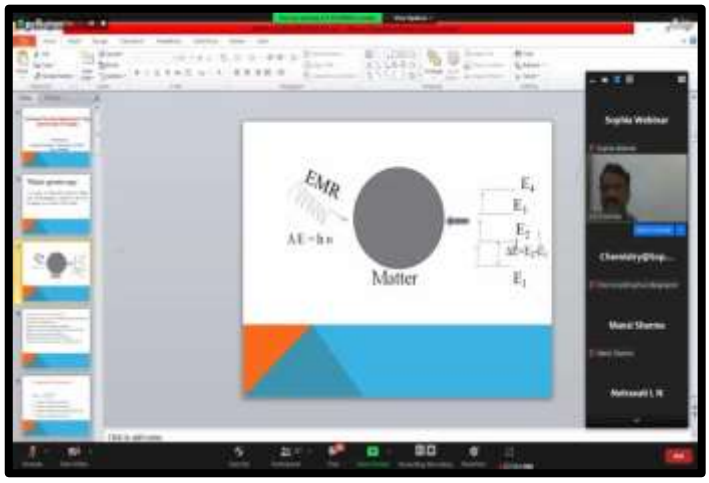
Contact Details

Email Id: chemistry@sophiacollegeajmer.in

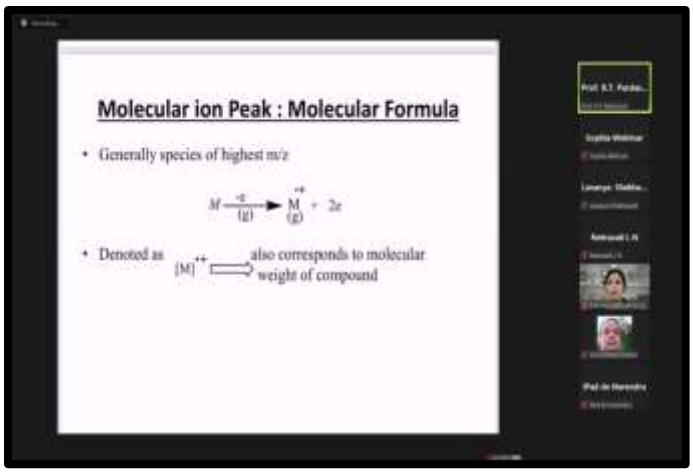
Dr. Taruna Sethi: +91-9460610654 and Dr. Suneeta Rao: +91-9413892143

NATIONAL WEBINAR ON "SPECTROSCOPIC TECHNIQUES-
A TOOL FOR STRUCTURE ELUCIDATION "
ORGANISED BY
DEPARTMENT OF CHEMISTRY
SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER (RAJ.)


Drugs derived from Plants
Coca Plant
(Erythroxylum coca)
Sarpagandha
(Rauwolfia Serpentina)
Source for Cocaine (Abused Drug)
is good as local anaesthesia
Source for Reserpine- used for
Blood pressure and psychiatric
disorders
Promoting Chromatography Education
Dr. G. Ramakrishnan


EMR
ΔE = h ν
Matter

Historical Background
1802 Fraunhofer Absorption Lines
Wollaston and Fraunhofer, working independently,
discover dark lines in the solar spectrum.
Fraunhofer Absorption Lines
Fraunhofer introduces diffraction grating which
obtains better spectral resolution.
Fraunhofer proposes that dark lines are due to
the sun's own atmosphere absorbing light.


Molecular ion Peak : Molecular Formula
Generally species of highest m/z
Denoted as
also corresponds to molecular
weight of compound

2019-20

National Workshop on "Instrumentation Techniques for Research in Chemical Sciences" (ITRCS-2019)

Date of activity- 6th-7th September, 2019

Number of Participants – 167

Venue – Conference Hall, Sophia Girls' College (Autonomous), Ajmer

Resource Persons –

S.No.	Name	Designation and Affiliation	Contact No.	Contribution in event as
1.	Dr. M. R. R. Prasad	Scientist/Engineer SF (Retired), Indian Space Research Organization, Dept. of Space, Govt. of India	9553546600	Chief Guest and Keynote speaker
2.	Dr. Rakesh K. Sharma	Assistant Professor, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	9228499273	Invited Speaker
3.	Dr. Joydeep Bhattacharjee	Principal, Government College of Arts, Science and Commerce, Quepem, Goa	9579671708	Invited Speaker
4.	Dr. Ashok K. Kakodia	Assistant Professor, Department of Chemisry, S. G. G. Govt. College Banswara	9462877572	Invited Speaker and Convener
5.	Dr. Kumud Tanwar	Associate Professor, Kanoria PG Mahila Mahavidyalya, Jaipur (Rajasthan)	8005942288	Invited Speaker
6.	Dr. Alok Chaturvedi	Associate Professor, SPC Government College, Ajmer	8764001157	Invited Speaker
7.	Prof. Ashok K. Sharma	Professor and Chairman, Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonepat), Haryana.	9416337633	Invited Speaker

8.	Dr. G. Ramakrishnan	President, Chromatographic Society of India Mumbai Area, India	9820093260	Invited Speaker
9.	Dr. B. Sreedhar	Senior Principal Scientist Analytical Chemistry Division, Indian Institute of Chemical Technology, (CSIR), Hyderabad.	9849725213	Invited Speaker
10	Dr. Pratibha Singh	Assistant Professor JSSATE, Noida, UP	9582895090	Invited Speaker
11	Dr. J. R. Nagora	Joint Director HRD, College Education Commissionerate, Shiksha Sankul, Jaipur	9413524753	Chief Guest of the Valedictory Session

Objective of the Activity

"Science walks forward on 2 feet, namely theory and experiment….but the continuous progress". Aim of the workshop was to enrich the knowledge about advancements taking place in various instrumentation techniques. This workshop helped them to understand more deeply about the different instruments and their techniques in the field of research especially in chemical sciences. As we know that different fields of research require different type of instruments, therefore to know their operation more extensively this workshop will be very useful for different research students.

Learning Outcome- Through this workshop all the participants were able to enhance their knowledge about advancements and various aspects of different instrumentation techniques.

Registration Form

National Workshop

On

Instrumentation Techniques for Research in Chemical Sciences (ITRCS-2019)

September 6-7, 2019

Sophia Girls' College (Autonomous), Ajmer

Name: _____

Designation: _____

Organization/Institute: _____

_____

Mobile No.: _____

e – Mail Id: _____

Accommodation required: Yes/No

Registration Fee: Rs. _____

Mode of payment: Cash/Online

Date _____

Place _____ (SIGNATURE)

Online payment may be made through college website Sophia.college

National Advisory Committee

- **Dr. M. Y. S. Prasad**, Satish Dhawan Space Centre, Sriharikota; and Vignan University, Guntur, Andhra Pradesh.
- **Prof. K. J. Rao**, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru.
- **Prof. N. S. Gajbhiye** Gorakhpur University; Dr. H. S. Gour University, Sagar.
- **Prof. R. S. Mali**, North Maharashtra University, Jalgaon.
- **Dr. M. R. R. Prasad**, ISRO, Dept. of Space, Govt. of India, Secunderabad.
- **Prof. (Dr.) Pawan K. Dhar** JNU, Delhi.
- **Dr. (Mrs.) Rita S. Majumdar**, Sharada University, New Greater Noida UP.
- **Dr. A. K. Tyagi**, Bhabha Atomic Research Centre, Mumbai MH.
- **Prof. K. Chowdoji Rao**, Sri Krishnadevaraya University, Anantapur, AP.
- **Dr. B. Sreedhar**, IICT, Hyderabad, Telangana.
- **Dr. Alok Chaturvedi**, SPC Govt. College, Ajmer
- **Prof. Suresh Mathew**, Mahatma Gandhi University, Kottayam, Kerala.
- **Prof. P. S. Verma**, UOR Jaipur, Rajasthan
- **Prof. Arun Arya**, MS University, Baroda, Gujarat
- **Prof. Rita Mehra**, MDSU, Ajmer.
- **Dr. M.C. Sharma**, UOR, Jaipur
- **Dr. Asha Jain**, UOR, Jaipur
- **Dr. Suresh Kumar Pandey**, University of Jammu, J&K
- **Dr. Umesh Nath Tripathi**, University of Gorakhpur, UP
- **Dr. S. C. Tripathi**, GLA University, Mathura
- **Dr. Shiv Lal**, Principal, GEC Banswara
- **Dr. Neelima Gupta**, University of Rajasthan, Jaipur
- **Dr. Atul K. Bhatnagar**, Govt. College Kaladera Jaipur
- **Dr. Dharmendra Singh**, Govt. College Uniara, Tonk
- **Dr. R. K. Menaria**, Former Dean, GGTU, Banswara
- **Dr. N. Bhojak**, Govt. Dungar College, Bikaner
- **Dr. Ajay Sharma**, Govt. College, Sirohi
- **Dr. B.K. Sharma**, S.G.G. Govt. College, Banswara
- **Dr. Rani Maheshwari**, SBRM Govt. College, Nagaur
- **Dr. Binu Rani**, IIMT, Greater Noida UP
- **Dr. Kumud Tanwar**, KMM ,Jaipur
- **Dr. Hiren Dosi**, Ratanmani Education Campus, Becharaji Guj.
- **Dr. Meenu**, MNIT, Jaipur
- **Dr. Jagdev Singh** , JECRC University, Jaipur
- **Dr. Devendra Kumar** , UOR, Jaipur
- **Dr. Upma Singh** , GBU, Greater Noida UP
- **Dr. Hardik Pathak** , JECRC University, Jaipur
- **Dr. Manish Kumar**, Narain College, Shikohabad, UP
- **Dr. R. K. Verma** ,Narain College, Shikohabad, UP
- **Dr. Pratibha Singh**, JSSATE, Noida, UP

National Workshop

On

"Instrumentation Techniques for Research in Chemical Sciences"

(ITRCS-2019)

September 6-7, 2019

Organized by:

Department of Chemistry

Sophia Girls' College, Ajmer

(Autonomous)

Sponsored by:

Association of Chemistry Teachers

About Sophia Girls' College (Autonomous), Ajmer

Sophia Girls' College, Ajmer (Autonomous) affiliated to Maharshi Dayanand Saraswati University is an 'A' Grade Accredited Institute by NAAC (UGC). Since 1959 the College has held a high reputation in the region for imparting quality higher education through its dedicated and conscientious staff with high academic credentials and diversity of offered courses. At the Undergraduate Level, the College offers programs in B.A, B.Sc, B.Com, BBA, BCA, B.LIS, Honors in English, Economics, Commerce; and Post Graduate Programs in English, Geography, Political Science, Sociology, History, Computer Science, Chemistry and ABST.

To inculcate scholarly excellence and make globally competent citizens, the Institute offers Generic, Skill Enhancement, Career Development and Foundation Courses for students. The Institution envisions in building its reputation at par with international standards through its worldwide collaboration and linkages with Institutes of repute. It has an MHRD recognized Innovation Institution Cell, Cambridge Communicative Language, Diploma in French, IIT Mumbai , ISRO and DST Sponsored programs under its aegis. As an initiative towards Institutional, Social and Environmental Responsibility, the College has developed a 'Sustainable Environment' by developing Biogas, Water Harvesting System and as is recognized as the first fully solar electrified campus of Rajasthan. It also has a diversity of flora and fauna on the idyllic campus. As a Girls' College the Institution is in the forefront, collaborating with NGOs, Women Development Corporation and the PUCL on gender sensitization, women empowerment and women entrepreneurship.

Theme of the Workshop

Instruments are a vital part of methodology of modern science. The realization of the present day of the development and use of modern scientific accomplishment in many disciplines such as chemical, environmental, nano and material sciences has come out through the application of invention of modern scientific instruments. Technology includes instruments and techniques which involves ideas of fresh insights, new concepts and innovative approaches to scientific research in Chemical Sciences.

The workshop on "Instrumentation Techniques for Research in Chemical Sciences (ITRCS-2019) focuses on postgraduate students, research scholars, and teaching faculty, to enrich their knowledge on advancements taking place in the area of various spectroscopic, thermo-analytical, chromatographic, electro analytical techniques, 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.

Eminent Speakers

Dr. M. R. R. Prasad (Scientist/Engineer – SF (Retired), ISRO, Dept. of Space, Govt. of India, Secunderabad)

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

Dr. Rakesh K. Sharma (Dept. Of Applied Chemistry, The Maharaja Sayojirao University of Baroda, Vadodara)

Dr. B. Sreedhar (Senior Principal Scientist, Indian Institute of Chemical Technology, (CSIR), Hyderabad).

Dr. Joydeep Bhattacharjee (Principal, Govt. College, Goa)

Prof. Ashok K. Sharma (Head, Centre for Research, Innovation & Development (CRID), Deenbandhu University, Murthal (Sonepat), Haryana.)

Dr. Alok Chaturvedi (Associate Professor, SPC Government College, Ajmer).

Registration Fee and Last Dates

Submission of Registration form along with Fee	**August, 20, 2019**
PG Students/Research Scholars	**Rs. 750/-**
Academicians / Scientists	**Rs. 1,000/-**
Accommodation Fee	**Rs. 1,200/-per person(For two days only)**

Registration fee may be remitted by cash at college office or Online Payment may be made through the College website- **sophia.college**

Note: Kindly bring the receipt of your online payment.

Local Organizing Committee

Patron

Dr. Sr. Pearl
Principal
Sophia Girls' College (Autonomous), Ajmer.

Convener

Dr. Taruna Sethi
Head, Department of Chemistry
Sophia Girls' College (Autonomous), Ajmer.
Contact No.:9460610654

Co-Convener

Dr. Ashok K. Kakodia
Department of Chemistry
SGG Government College, Banswara
Contact No.:9462877572

Organizing Secretary

Dr. Suneeta Rao
Contact No.:9413892143

Members of Organizing Committee

Mrs. Deepmala Singhal
Mrs. Mriganka Upadhyay
Dr. Sandhya Yogi
Mrs. Anu Bhardwaj
Sr. Swapna
Ms. Shivani Indora
Ms. Laveena Gulabchandani
Dr. Pooja Bhambhani
Ms. Harman Kaur Bhamra
Ms. Suniti Ranga

E- mail: chemistry@sophiacollegeajmer.in

NATIONAL WORKSHOP
on
Instrumentation Techniques
for Research in Chemical Sciences
(ITRCS - 2019)
6th -7th September 2019
Organized by
DEPARTMENT OF CHEMISTRY
SOPHIA GIRLS' COLLEGE,
AJMER
(AUTONOMOUS)
Sponsored by

2018-19

SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER

ACTIVITIES OF THE DEPARTMENT OF CHEMISTRY

Name of the Activity – National Conference on "Advances in Science and Technology- an Interdisciplinary Approach" (ASTIA-2018)

Date of activity – 15th -16th October, 2018

Number of Participants – 443 students

Venue – College Auditorium, Sophia Girls' College (Autonomous), Ajmer

Resource Person -

S.No	Name	Designation and Affiliation	Contact No.	Contribution in event as
1	Dr. M.R.R. Prasad	Scientist/Engineer SF (Retired), Indian Space Research Organization, Dept. of Space, Govt. of India	9553546600	Keynote Speaker
2	Prof. N.S. Gajbhiye	Former Vice Chancellor, Banaras Hindu University Varanasi	9415134267	Chief Guest of the Inaugural Session
3	Dr. Anil Jain	Principal, J.L.N. Medical College, Ajmer	8005940627	Chief Guest of the Valedictory Session
4	Dr. Ashok K. Sharma	Professor and Chairman, Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonepat), Haryana.	9416337633	Invited Speaker and Chair Person
5	Prof. (Mrs.) Rita Singh Majumdar	School of Engineering & Technology, Sharda University, Greater Noida, UP	9971168120	Invited Speaker and Chair Person

6	Dr. Kumud Tanwar	Associate Professor, Kanoria PG Mahila Mahavidyalya, Jaipur (Rajasthan)	8005942288	Invited Speaker
7	Dr. S. C. Tripathi	Research Director, GLA University, Mathura	9969216108	Invited Speaker and Chair Person
8	Dr. Alok Chaturvedi	Associate Professor, SPC Government College, Ajmer	8764001157	Invited Speaker and Chair Person
9	Dr. Mona Kejriwal	Assistant Professor, R.D. & S. H. National College & S.W.A. Science College, Mumbai	9987923125	Invited Speaker
10	Dr. Rakesh K. Sharma	Assistant Professor, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	9228499273	Invited Speaker and Judge of Poster Presentation Session
11	Dr. Ashok K. Kakodia	Assistant Professor, Department of Chemistry, S. G. G. Govt. College, Banswara	9462877572	Co-Convener
12	Dr. Bharati Prakash	Associate Professor, Department of Zoology S.P.C. Govt. College, Ajmer	9414708788	Co-Chair Person
13	Dr. Reena Vyas	Associate Professor, Department of Zoology, S.P.C. Govt. College, Ajmer	9413948322	Co-Chair Person
14	Dr. Anshu Karel	Associate Professor, Department of Botany, S.P.C. Govt. College, Ajmer	9414433664	Co-Chair Person
15	Dr. Monika Kannan	Associate Professor and Head, Department of Geography, Sophia Girls' College (Autonomous), Ajmer	9829506865	Co-Chair Person
16	Dr. Anuj K. Sharma	Assistant Professor, Central University of Rajasthan, Kishangarh, Ajmer	7340662182	Co-Chair Person

Objective of the Activity

Given the multiple challenges facing the 21st century society, the question of interdisciplinary academic education system is urgent. In order to be in tune with global developments and to develop sustainable and economically viable products and processes towards meeting the aspirations of the present and future generations; following green synthetic methods of interdisciplinary nature is the need of the hour. Conceptual and real time contributions from different interdisciplinary areas of innovative scientific and technological approaches that focus towards providing practical solutions to ensure food, water and energy security have to be implemented. Thus, it is imperative and urgent need to renew our academic education system towards this approach in case we want to compete and stand out in the global community of nations. National Conference was focused on interdisciplinary topics of various fields of Science and Technology as Chemistry, Mathematical Computations, Natural Products, Coordination Chemistry, Photochemistry and various relevant topics.

Learning Outcome- Through this national conference participant gained the knowledge of new findings and approaches in the field of scientific research, which were explained by the eminent speakers during the conference.

Registration Form

National Conference
on
Advances in Science & Technology
– an Interdisciplinary Approach
(ASTIA – 2018)
October 15th & 16th, 2018
Sophia Girls' College (Autonomous), AJMER

Name: Dr./Mr./Ms._____

Designation:_____

Organization/Institute_____

_____

Mobile No.:_____ email id_____

Whether presenting paper: Yes ☐ No ☐

Oral / Poster_____

Title of the paper_____

_____

_____

Accommodation required : Yes☐ No☐

Registration Fee: Rs._____

Payment Mode : Internet banking | DD | Cash

DD/UTR Number/ NEFT Bank_____

DD/NEFT Dated_____

Date: ___/___/___

Place :_____ Signature

Payment may be made through NEFT to:
A/C Name: Principal Sophia Girls' College, Ajmer
Bank Name: Canara Bank
Branch Name: Sophia Sr. Sec. School, Ajmer
A/C No. 8469101012442
IFSC Code: CNRB0008469

Address for Correspondence

Dr. Taruna Sethi
Convener (ASTIA-2018)
Sophia Girls' College,
(Autonomous), Ajmer.
Mobile: 9460610654

Dr. Ashok K. Kakodia
Co-convener (ASTIA-2018)
SGGGC, Banswara
Mobile: 9462877572

National Advisory Committee

- Dr. M. Y. S. Prasad, Former Director, Satish Dhawan Space Centre, SRIHARIKOTA; and Vice-Chancellor, Vignan University, Guntur, Andhra Pradesh.
- Prof. K. J. Rao, Emeritus Professor & Ramanna Fellow, Solid State and Structural Chemistry Unit, I.I.S, Bengaluru.
- Prof. N. S. Gajbhiye, Emeritus Professor and Former Vice-Chancellor, BHU; Gorakhpur University; Dr. H. S. Gour University, Sagar.
- Prof. R. S. Mali, Former Vice-Chancellor, North Maharashtra University, Jalgaon.
- Dr. M. R. R. Prasad, Scientist/Engineer – SF (Retired), ISRO, Dept. of Space, Govt. of India, Secunderabad.
- Prof. (Dr.) Pawan K. Dhar, Dean, School of Biotechnology, Jawaharlal Nehru University, Delhi.
- Dr. (Mrs.) Rita S. Majumdar, Professor & Head, Dept. of Biotechnology, School of Engineering & Technology, Sharada University, New Greater Noida.
- Dr. A. K. Tyagi, Professor, HBNI; Head, Solid State Chemistry Section, Chemistry Division, BARC, Mumbai.
- Prof. K. Chowdoji Rao, UGC – BSR Faculty Fellow, Dept. of Polymer Science & Technology, Sri Krishnadevaraya University, Anantapur, AP.
- Dr. B. Sreedhar, Senior Principal Scientist, IICT, Hyderabad, Telangana.
- Prof. Suresh Mathew, Director, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala.
- Dr. P. S. Verma, (Retd. Prof.) University of Rajasthan Jaipur
- Prof. Arun Arya, Head, Dept. of Environmental Science, MS University, Baroda
- Dr. I. K. Sharma, (Retd. Prof.) University of Rajasthan Jaipur
- Prof. Rita Mehra, MDS University, Ajmer
- Prof. Ashu Rani, Kota University, Kota
- Dr. M.P. Dobhal, (Retd. Associate prof.), University of Rajasthan, Jaipur
- Dr. Mahesh . C. Sharma, University of Rajasthan, Jaipur
- Dr. Sushil Kumar Pandey, University of Jammu, J&K
- Dr. Umesh Nath Tripathi, University of Gorakhpur, UP
- Dr. Raghu Chitta, NIT, Warangal (Telangana)
- Dr. Anuj K. Sharma, Central University of Rajasthan, Ajmer
- Dr. S. C. Tripathi, GLA University, Mathura
- Dr. Shiv Lal, Principal, GEC Banswara
- Dr. Ramesh K. Menaria, FormerDean,GGTU, Banswara
- Dr. Atul K. Bhatnagar, BBD Govt. College Chimanpura, Jaipur
- Dr. N. Bhojak, Govt.Dungar College, Bikaner
- Dr. Alok Chaturvedi, SPC Govt. College, Ajmer
- Dr. B. K. Sharma, SGG Govt. College, Banswara
- Dr. Ajay Sharma, Govt. College, Sirohi
- Dr. Raaz Maheshwari, SBRM Govt. College, Nagaur
- Dr. Neelima Gupta, Coordinator CAS, UOR, Jaipur
- Dr. Kumud Tanwar, Dept. of Chemistry, KMM ,Jaipur
- Dr. Upma Singh, Gautam Budha University, Greater Noida, UP

National Conference
on
Advances in Science & Technology – an Interdisciplinary Approach

(ASTIA – 2018)

October 15th & 16th, 2018

Organized by:

Department of Chemistry

Sophia Girls' College, Ajmer (Autonomous)

SPONSORED BY

Association of Chemistry Teachers

Dr. Taruna Sethi
Convener
ASTIA-2018
SGC(A), Ajmer
(M)9460610654

Dr. Ashok K. Kakodia
Co- Convener
ASTIA-2018
SGGGC, Banswara
(M)9462877572

email: astia2018sophia@gmail.com

About Sophia Girls' College (Autonomous), Ajmer

Sophia Girls' College (Autonomous), Ajmer functions under the management of the Mission Sisters of Ajmer, a Sisterhood of Indian Women, dedicated to God and this enables them to impart a liberal and enlightened education in the upliftment of humanity.

The Sophia Institution was founded in 1919 as a small Primary School to educate girls from conservative families of the time. Gradually, it grew to a Middle-level and subsequently to a High-school; and in 1942 it was raised to Intermediate–level. Sophia College attained Degree Status in the year 1959 with the aim of imparting higher education to the women community. Today, it has attained an Autonomous Institution status, permanently affiliated to Maharshi Dayanand Saraswati University, Ajmer. The faculties at UG level include – Arts, Science, Commerce, Management (BBA), Computer Applications (BCA), Honors in English and Economics; and at PG level in English, Computer Science, Geography, Political Science, Sociology, Chemistry and Commerce. Skill Enhancement and Career Development Courses and various outreach programs have been introduced by the college in every academic session. The lush green college campus spread over an area of 9.9 acres, has beautiful gardens, sports facilities, hostels, academic and administrative blocks and is located at the strategic entrance to Ajmer on Jaipur Road.

Theme of the Conference

Given the multiple challenges facing the 21st century society, the question of interdisciplinary academic education system is urgent. In order to be in tune with global developments and to develop sustainable and economically viable products and processes towards meeting the aspirations of the present and future generations; following green synthetic methods of interdisciplinary nature is the need of the hour. Conceptual and real time contributions from different interdisciplinary areas of innovative scientific and technological approaches that focus towards providing practical solutions to ensure food, water and energy security have to be implemented. Thus, it is imperative and an urgent need to renew our academic education system towards this approach in case we want to compete and stand out in the global community of nations.

The Sub Thimes for the Conference are :

- Graphene, Graphene Oxide, and Functionalized Graphenes – New Synthetic Methods and applications.
- Nano Sheets of Boron - New synthetic Methods and applications.
- Carbon Nano-forms–New Synthetic Methods & Applications.
- Semiconductors
- Super capacitors.
- Conducting Polymers.
- Nano - Energy Storage Devices.
- Polymer Batteries.
- Li – ion Batteries.
- Bio-polymers and Advanced Polymers.
- Nano-catalysts.
- Advanced Materials for Space & Atomic Energy applications.
- Characterization Techniques for Nanomaterials – Actual Case Studies
- Photochemistry and Organometallic Chemistry
- Plant and animal science
- Phytochemistry and Biological activity
- Green Chemistry
- Biochemistry
- Chemical Kinetics
- Computational Chemistry
- Electrochemistry, Electrodics and Corrosion
- Heterocyclic, Pharmaceutical and Industrial Chemistry
- Applied Physics
- Environmental Toxicology and Bioremediation
- Mathematical Modeling
- Synthetic Organic Chemistry

Format of Abstract

- A4-Size paper with Left Margin of 1.5" and all other three sides of 1" margin.
- Paper titles in bold, Times New Roman font, word format, Double line spacing, Font Size – 14.
- Authors, Affiliations, Complete addresses of indvidual authors along with E-mail Id and mobile phone numbers in Times New Roman Font, Font Size – 11, double line spacing.
- Text – Single column, double line spacing, Times New Roman– Font, Font size – 12
- Abstract should be submitted to astia2018sophia@gmail.com

Last Dates:-

Submission of Registration form along with Fee	:	September 30, 2018
Submission of abstracts	:	September 30, 2018
Date of acceptance	:	September 30, 2018

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