

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11 CHANDIGARH**

**Jigyasa- Science Society
(Session: 2022-2023)**

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Report On Hands On Training

Chemistry department of Post Graduate Government College for Girls ,sector 11, Chandigarh under the aegis of JIGYASA “ Science Society” Chandigarh organized a hands on training on conductivity bridge model 306 and 308 on **3rd September 2022** . The demonstration and training was given by Mr Anuj , Engineer from SISTRONICS . The program was attended by about 23 MSc students and various faculty members. The program consisted of an in depth explanation about the software to operate the instrument and it's various applications.



Training Under Process



POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR – 11 , CHANDIGARH



JIGYASA – The Science Society

Celebrates

**WORLD SCIENCE DAY
(10 NOVEMBER 2022)**

THEME : RECENT DEVELOPMENTS IN SCIENCE



Prof. (Dr) Anita Kaushal
PRINCIPAL

- ❖ *INTER-CLASS CARTOON MAKING COMPETITION*
- ❖ *INTER-CLASS ARTICLE WRITING COMPETITION*
- ❖ *INTER-CLASS POSTER MAKING COMPETITION*
- ❖ *INTER-CLASS SLOGAN WRITING COMPETITION*

ORGANISED BY:

Dr . Sadhana Verma
Head of Department , Chemistry

ORGANISING TEAM :

DEPARTMENT OF CHEMISTRY

Dr . Gurjeet Gujral
Ms . Veeneta Anand
Ms . Meenakshi Wallia
Dr . Harpreet Kaur

Report of World Science Day

Under the dynamic leadership of Principal, Prof. (Dr).Anita Kaushal , Chemistry Department of Post Graduate Government College Of Girls Chandigarh under the aegis of JIGYASA “ Science Society” Chandigarh celebrated World Science Day on 10th November 2022..It became a creative and informative day under the observation of our judge’s Dr.Kamaldeep Kaur for Article writing ,Dr.Anurita & Dr.Harsh for Poster making , Dr.Madhumita & Dr.Saravpreet for Slogan Writing and Dr.Anju for Cartooning. The Science undergraduate and Post graduate students enthusiastically participated in the celebration . The theme of the celebration is “**Recent Trends in Science**” to aware public on scientific inventions and innovations. It is an endeavour to highlight the contribution of our scientists in the field of Science and Technology. About 10 faculty members and around 80 students of UG ,PG and Honours classes participated in the celebrations. The various activities conducted on this occasion were Article writing, , Cartoon poster making, Slogan writing. The following is the list of table of prize winners -

Prize	Article	Poster	Slogan
1 st Prize	Tanya Shrivastava (Bsc-1med.)	Karina (Bsc-1 non med) (Code-A2)	Pranshu (Bsc-1 non med) (Code-B1)
2 nd Prize	Anshika (Bsc-3 non med)	Vaishali (Bsc-3 non med) (Code-A8)	Tanjinder Kaur (Bsc-2 non med) (Code-B5)
3 rd Prize	Muskan (Bsc-2 non med)	Muskan (Bsc-1 non med) (Code-A4)	Amiratdeep Kaur (BSC-1 med) (Code-B3)
Consolation Prize	Kirti Kochar (Msc 1)	Sakshi (Msc 2 Chemistry) (Code-A11)	Uma Sharma (Msc-2 Chemistry) (Code-B7)



Glimpse of Activities



Chandigarh chapter

Friday, January 20, 2023
12:30 pm



INVENTION & INNOVATION and RESEARCH DISCOVERY IN CHEMISTRY

Speaker



Prof. Sanjay Mandal
Department of Chemical Sciences,
Indian Institute of Science Education
and Research Mohali (IISER-Mohali)
Sector 81, Manauli PO, S.A.S Nagar,
Punjab 140306, India
sanjaymandal@iisermohali.ac.in

Guest of Honour



Prof.(Dr.) Anila Kaushal
Principal,
Post Graduate Government
College for Girls, Sector-11,
Chandigarh-140011,
India

About speaker: Prof. Sanjay Mandal is currently a faculty member in the department of Chemical Sciences at IISER Mohali. He also served as the Dean Academics at IISER Mohali. As the longest serving Senate member, he continues to contribute to the academic welfare of the Institute. He is currently a member of Board of Governors at IISER Mohali. Prior to joining IISER Mohali in August 2008 as one of the first faculty members, he spent over 30 years in the USA including earning his Ph.D. in Chemistry under the guidance of legendary Professor F. Albert Cotton at Texas A&M University. His career is equally divided in academia and industry (Occidental Chemical, General Electric, Dow Corning, and Clariant) for the past three decades. His research interests span across several sub-fields of Chemistry with a special emphasis on Multifunctional Nanomaterials, Crystal Engineering, Organometallic Chemistry and X-ray Crystallography. He teaches a broad range of courses at the BS-MS and PhD level: Basic and Advanced Inorganic/Organometallic Chemistry, Bioinorganic Chemistry, Advanced Industrial Chemistry, Chemical Crystallography, and Supramolecular Chemistry. He is recognized for expertise in Catalysis, Polymer Chemistry, Fluorine Chemistry, X-ray Crystallography, and Six Sigma methodologies. He has published over 250 peer-reviewed articles and reviews in international journals, monographs, and technology reports, and has contributed to 60 US, Indian and international patents, invention disclosures, trade secrets.

Abstract: In order to provide an understanding of key discoveries in Chemistry that are essential for our survival, I will first discuss (a) the values of invention & innovation, and (b) what is research. I will then demonstrate that a logical step is always necessary for developing a process or making a product such toothpaste. I will conclude my talk with some examples from my time in industry and academia to showcase the use of basic principles in conducting research.

Organized by

The National Academy of Chemistry India (NACI), Chandigarh Chapter
in association with

Society for Research in Science and Technology in India (SRSTI)
and

Science Society and Department of Chemistry under the aegis of IAC,
MCCG-11, Chandigarh

Co-Chair: Dr. Sadhana Verma,
Convener of Science Society and
Head of Chemistry Department,
PGCG-11, Chandigarh

Report of Talk On Invention, Innovation and Research In Chemistry

Faculty and students of Chemistry Department of Post Graduate Government College for Girls ,Sector-11 , Chandigarh organized One day Seminar on "Innovation, Invention And Research in Chemistry" by a renowned speaker Prof.Dr. Sanjay Mandal,IISER Mohali on 20 January 2023.His area of researches are organometallics, polymer chemistry, X-Ray diffraction and nanomaterials.. About 50 students &6 faculty members from Chemistry department participated in the seminar.

He explains that invention is something which is new in this world which is not pre existing while innovation is an introduction of new and better solution that meets new requirement of existing market needs. He also discuss about various research area and motivated the students to have a critical thinking so as to innovate new ideas.



Lecture in progress

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS, SECTOR-11, CHANDIGARH

"JIGYASA"- The SCIENCE SOCIETY

Under the aegis of IQAC

Invites you for Inter College events on
NATIONAL SCIENCE DAY- 25th February, 2023
Theme "Global Science for Global Well being"

Events:

- Inter College Poster Making Competition
- Inter College Rangoli Making Competition
- Inter College Power Point Presentation Competition
- Inter College Logo Designing Competition

Organizing Committee

Dr. Anju Sharma (HOD, Department of Physics)
Dr. Vishal sharma (HOD, Department of Botany)
Dr. Limesh Bharti (HOD, Department of Zoology)

Reporting Time: 9.00 am

Last date for receiving entries is 23rd Feb, 2023

Sponsored By:

Department of Science and Technology and Renewable Energy, Chandigarh Administration

Dr. Sadhana Verma
Convener

Dr. Gureet Gural
Co-Convener

Prof. (Dr.) Anita Kaushal
Principal

Report of National Science Day

Various Activities were organised to celebrate National Science Day on 25-02-2023 .Around 150 students participated in these events on the Theme: “Global Science for Global Well Being”. It was conducted to promote a scientific drive and increased the scientific temper and innovation skill in the students. It was indeed a kaleidoscopic experience for the students.

EVENTS ORGANIZED:

1. Inter College Power Point Presentation Competition
2. Inter College Poster Making Competition
3. Inter College Rangoli Making Competition
4. Intra College Logo Designing Competition



Participants of Poster making Competitions

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR 11 , CHANDIGARH**
NAAC Accredited Grade 'A' (CGPA 3.52)



JIGYASA – THE SCIENCE SOCIETY

(under the aegis of IQAC)

Cordially invites you to participate in

**ONE DAY NATIONAL SEMINAR
on
22nd March, 2023 (Wednesday)**

**THEME : ADVANCES IN INTERDISCIPLINARY SCIENCES
FOR SUSTAINABLE FUTURE**

Dr. Sadhana Verma
(Convener)
Dr. Gurjeet Gujral
(Co-Convener)



Prof (Dr) Anita Kaushal
Principal and Patron

*Sponsored by
Department of Science and Technology and Renewable Energy
Chandigarh Administration*

Report of One Day National Seminar

Under the able guidance of Principal Prof. (Dr.) Anita Kaushal, JIGYASA- The Science Society of Post Graduate Government College for Girls, Sector -11, Chandigarh under aegis of IQAC organized one day National Seminar on 22nd March, 2023 on the theme “Advances in Interdisciplinary Sciences for Sustainable Future”. The Event was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration.

The Chief Guest of the inauguration function, was Shri Davender Dalai, Chief Conservator of Forests, UT, There were two parallel technical sessions during which series of lectures were delivered by eminent speakers pertaining to their specialization in botany, chemistry, physics and zoology. In the first technical session, Dr. Rajiv Kalsi, Associate Professor and Head, Department of Zoology, M.L.N. Govt. College, Yamuna Nagar, Haryana delivered talk on “Wildlife of the Trans-Himalayas: Expeditions along with risks”. Dr. Kalsi highlighted the climatic parameters and risks involving during expeditions to areas like Ladakh of Trans-Himalayas. Followed by this, was the lecture by Dr. Promila Pathak, Professor and Chairperson, Department of Botany, Panjab University, Chandigarh. She talked about “Orchid diversity and conservation” and introduced the audience to wonderful world of orchids. In the second technical session, Dr. Vipin Bhatnagar delivered a talk on “Interplay of science and technology to convey interdisciplinary ideas”. The last talk was delivered by Dr. Arijit Kumar De on topic entitled “A multidisciplinary approach towards the energy crisis and artificial analogues for machinery for best utilization of sunlight”. Around 150 faculty members and students participated in the event

Apart from this, as many as 60 posters were presented during poster presentations by students and faculty members of various colleges of Chandigarh. The best posters were given prizes. During the valedictory function, respected Principal Ma’am Prof. (Dr.) Anita Kaushal was the Chief Guest. She appreciates the organizers for their efforts behind the success of the seminar

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR 11 , CHANDIGARH**



JIGYASA – THE SCIENCE SOCIETY

(under the aegis of IQAC)

Cordially invites you to participate in

On
24th March, 2023 (Friday)

THEME : **ONE DAY WORKSHOP** SCIENCES

Dr. Sadhana Verma

(Convener)



Prof (Dr) Anita Kaushal

Sponsored by

Report of One Day Workshop

Jigyasa- The Science Society under the aegis of IQAC organized a one day Workshop on Medicinal Plants and Instrumentation on Friday 24th March 2023 at PGGCG-11, Chandigarh. The programme was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration. About 20 faculty Members and 95 students from Science Department participated in the Workshop. A Lecture cum demonstration was given by Mr. Om Prakash, Regional Environment Coordinator, Vidya Bharti- North Region and Consultant Herbal Garden, Herbal Plants, Nursery and Environmental Activities.



Sh. Om Parkash explaining about medicinal plant

