POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS SECTOR-11 CHANDIGARH

Jigyasa- Science Society
(Session: 2022-2023)

INDEX

S.No.	Activities	Date
1.	**HANDS ON TRAINING**	3rd September 2022
2.	**WORLD SCIENCE DAY**	10th November 2022
3.	**TALK ON INVENTION ,INNOVATION AND RESEARCH IN CHEMISTRTY**	20th January 2023
4	**NATIONAL SCIENCE DAY**	25th February 2023
5	**NATIONAL SCIENCE SEMINAR**	22th March 2023
6	**ONE DAY SCIENCE WORKSHOP**	24th March 2023
7.	**TALK BY ALUMNA**	27th March 2023

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 membersThe program consisted of an in depth explanation about the software to operate the instrument and it's various applications.

Training Under Process

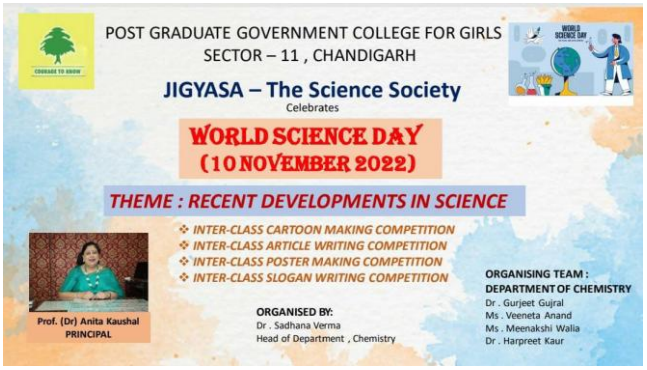
Report on World Science Day

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 ofour 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 tableof prize winners -

Prize	Article	Poster	Slogan
1st Prize	Tanya Shrivastava (Bsc-1med.)	Karina (Bsc-1 non med) (Code-A2)	Pranshu (Bsc-1 non med) (Code-B1)
2nd Prize	Anshika (Bsc-3 non med)	Vaishali (Bsc-3 non med) (Code-A8)	Tanjinder Kaur (Bsc-2 non med) (Code-B5)
3rd 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)



Banner of Function

Glimpse of Activities

Report of Talk On Invention ,Innovation and Research In Chemistrty

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

Report

on

National Science Day

(25.02.2023)

Organized by

Jigyasa-The Science Society

Sponsored By

Department of Science and Technology and Renewable Energy, Chandigarh Administration

On

"National Science Day"

25.02.2023

SUBMITTED TO
Department of Science and Technology and Renewable Energy, Chandigarh Administration

FROM
The Principal
Post Graduate Government College for Girls
Sector 11, Chandigarh

HIGHLIGHTS OF THE FUNCTION

DATE: 25.02.2023

VENUE: P.G.G.C.G. Sector 11, Chandigarh

TIME: 9.00 a.m. to 3:00 pm

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

DETAILS OF THE FUNCTION

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 National Science day on 25th February 2023 on the theme "Global Science for Global Well Being".

India celebrates National Science Day (NSD) on 28th February to commemorate the discovery of the 'Raman Effect', by One of the greatest physicists of the 20th Century and Bharat Ratna CV Raman. He is remembered as the first person of colour and the first Asian to receive a Nobel Prize for his groundbreaking discovery called the "Raman Effect".

The Event was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration.The registration for the various intercollege competitions started at 9.00 am. About 100 students from 11 Colleges of the tricity registered for the various competitions.

Registration of the Participants for Various Inter College Competitions

INTER COLLEGE POWER POINT PRESENTATION COMPETITION
VENUE: Library

Around 10 teams participated in Inter college PowerPoint Presentation on the theme "Global Science for Global Well Being". The competition aims to inculcate and boost the corporate communication, develop public speaking and encourage self-learning amongst students. Student very well presented the India's emerging global role and rising visibility in the international arena**.** They also focused on outcome-oriented Global Collaboration that intends to address the present-day Global Challenges.

Judges for inter college poster making competition were:

1. Dr. Gopika Bhardwaj, Associate Professor, Department of Home science, PGGCG 11, Chandigarh
2. Dr.Preet Kamal, Assistant Professor, Department of Computer Appication, PGGCG 11, Chandigarh

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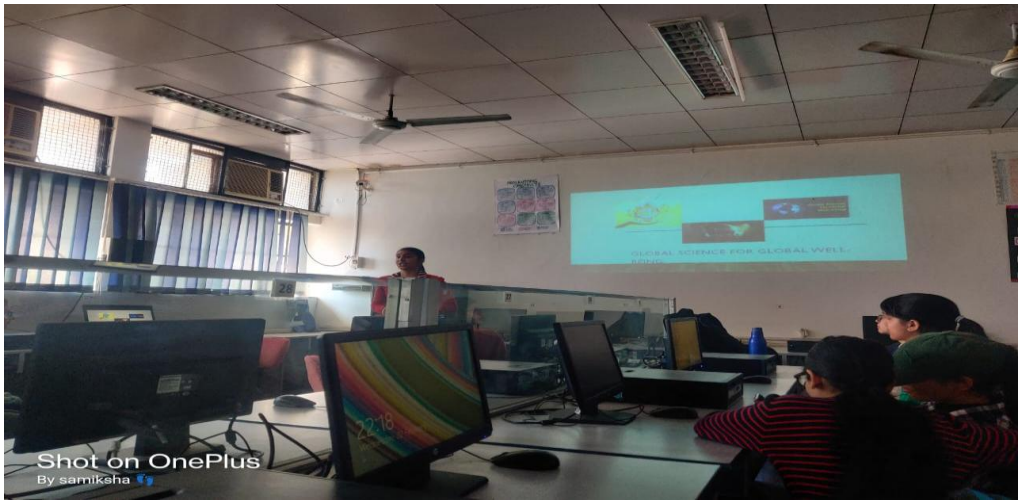


Participants of Power Point Presentation

INTER COLLEG RANGOLI MAKING COMPETITION
VENUE: Zoology Corridors

Around 10 teams participated in Inter College Rangoli Making Competitions 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.

Judges for inter college poster making competition were:

1. Dr. Dakshyani , Associate Professor, Department of Home Science, PGGCG 11, Chandigarh
2. Ms. Jaspreet Vasu, Associate Professor, Department of English, PGGCG 11, Chandigarh

Participants of Rangoli making Competition

INTER COLLEGE POSTER MAKING COMPETITION

Venue: College Library

Around 40 students participated in Inter college Poster Making Competitions Students enthusiastically participated in the events The objective behind organisation of poster making competition is to bring out the creative expression of students and to gauge their knowledge and awareness of various trends in Sciences

Judges for inter college poster making competition were:

1. Dr. Guneeta Chadha, Professor, Department of Fine arts, PGGCG 11, Chandigarh
2. Dr.Tanuja Pathak, Associate Professor, Department of English, PGGCG 11, Chandigarh

Participants of Poster making Competitions

INTER COLLEGE LOGO DESIGNING COMPETITION

Venue: College Library

Around 10 students participated in the logo designing competition .Various innovative logos have been designed by the students which tend to be memorable, eye-catching, and conveyed a clear message to their audience.

Judges for inter college poster making competition were:

3. Dr. Guneeta Chadha, Professor, Department of Fine arts, PGGCG 11, Chandigarh
4. Dr.Tanuja Pathak, Associate Professor, Department of English, PGGCG 11, Chandigarh

Participants of Inter College Logo Designing Competitions

Principal Ma'am viewing prize winning Posters and Logo

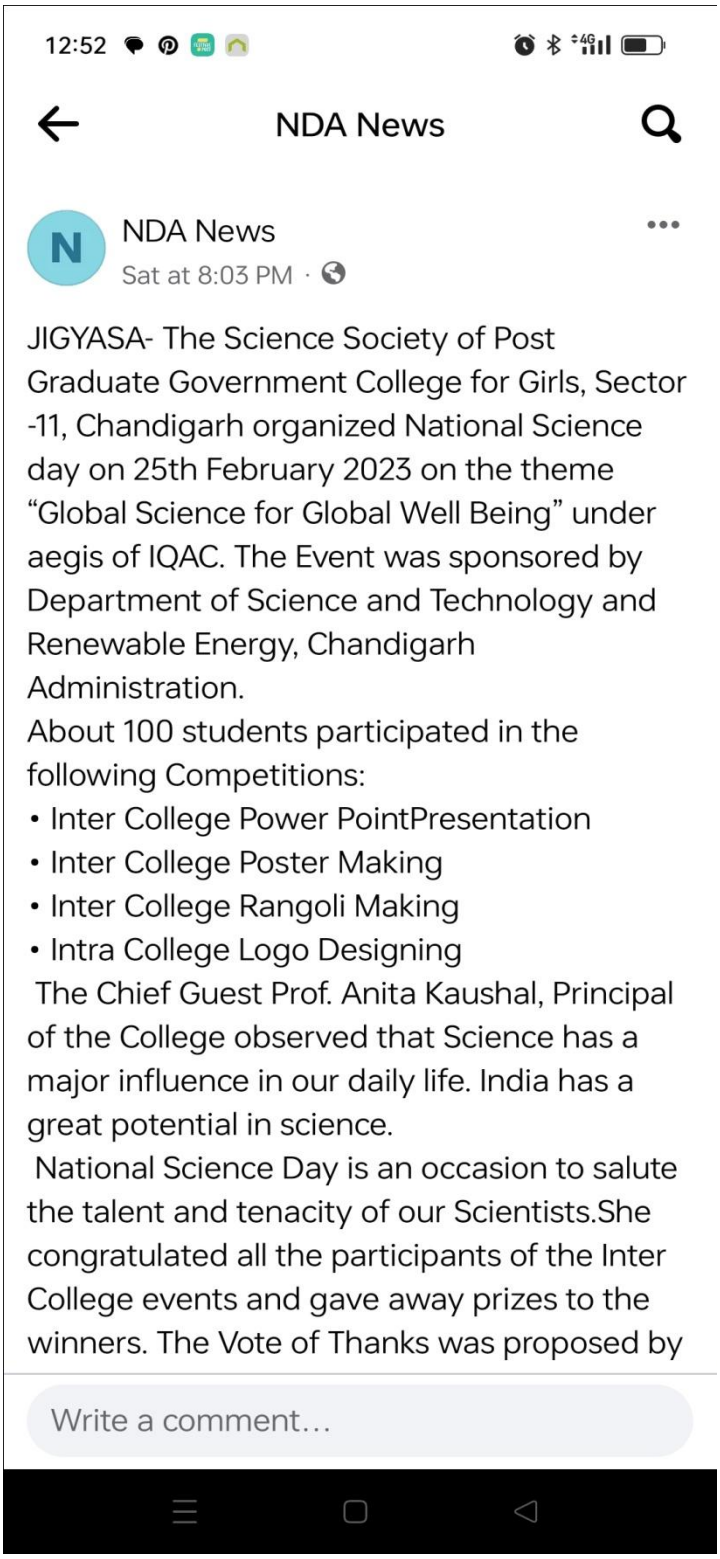
Honorable Principal Ma'am with Prize Winners

LIST OF PRIZE WINNERS

Following were the prize-winners:

Prize	Slogan Writing	Poster Making	Pot Painting Competition
First	Neha, B.A. III, Post Graduate Government College for Girls, Sector 11, Chandigarh	Satnam Singh, B.Sc. III, Government College Mohali	ArshmeetKaur, B.Com III, Guru Gobind Singh College for Women, Sector 26, Chandigarh
Second	Sapna, B.A. III, Post Graduate Government College, Sector 46, Chandigarh	Vaishali, B.Sc. III, Post Graduate Government College for Girls, Sector 11, Chandigarh	Harshita, BCA II, Post Graduate Government College for Girls, Sector 11, Chandigarh
Third	Deepali, B.A. II, Post Graduate Government College for Girls, Sector 11, Chandigarh , Chandigarh	SumanLata, B.A. III, Post Graduate Government College for Girls, Sector 11, Chandigarh	Sadhvi, B.Sc. NM II, Post Graduate Government College for Girls, Sector 11, Chandigarh
Consolation	Khushi, Post Graduate Government College Sector 11, Chandigarh	SharutiChaudhary, BCA II, Post Graduate Government College for Girls, Sector 11, Chandigarh	Hiteshna, B.Sc. CS II, Post Graduate Government College for Girls, Sector 11, Chandigarh

MEDIA COVERAGE



PUNJAB KESARI 26.02.2023

इंटर कालेज प्रतियोगिता में छात्रों ने दिखाया हुनर

चंडीगढ़, 25 फरवरी (आशीष): सैक्टर-11 स्थित पोस्ट ग्रैजुएट गवर्नमैंट कालेज फॉर गर्ल्स की जिज्ञासा सांइस सोसायटी ने आईक्यूएसी के सहयोग से गलोबल साइंस फार गलोबल वेल बीइंग थीम पर राष्ट्रीय विज्ञान दिवस का आयोजन किया गया। प्रशासन के विज्ञान और प्रौद्योगिकी और नवीकरणीय ऊर्जा विभाग द्वारा से कार्यक्रम को प्रायोजित किया गया था।

कालेजों के 100 छात्रों ने प्रतियोगिता में हिस्सा लिया। प्रिंसीपल प्रो. अनीता कौशल ने उद्घाटन समारोह में विज्ञान का दैनिक जीवन में प्रभाप और क्षेत्र में अपार संभावनाएं के बारे में जानकारी प्रदान की। इंटर कालेज प्रतियोगिता के विजेताओं को भी सम्मानित किया। जिज्ञासा की संयोजक डा.साधना वर्मा ने धन्यवाद किया।

इंटर कालेज पावर प्वाइंट में ईशिका ने पहला, अंशिका वोहरा ने दूसरा और जागृति शर्मा ने तीसरा, पोस्टर मेंकिग में सतनाम सिंह ने पहला, ओशिन ने दूसरा और प्रांशु ने तीसरा स्थान प्राप्त किया। रंगोली में ज्योतिका और स्वीटी ने पहला, विशाखा और आस्था ने दूसरा और नवनीत और हिमांशी ने तीसरा स्थान प्राप्त किया। लोगो डिजाइनिंग में सीमा ने पहला, प्रज्ञा कौशिक ने दूसरा और भानु प्रिया ने तीसरा स्थान हासिल किया।

सैक्टर-11 स्थित पी.जी.जी.सी.जी. में आयोजित इंटर कालेज प्रतियोगिता में छात्राएं रंगोली बनाते हुए। राणा

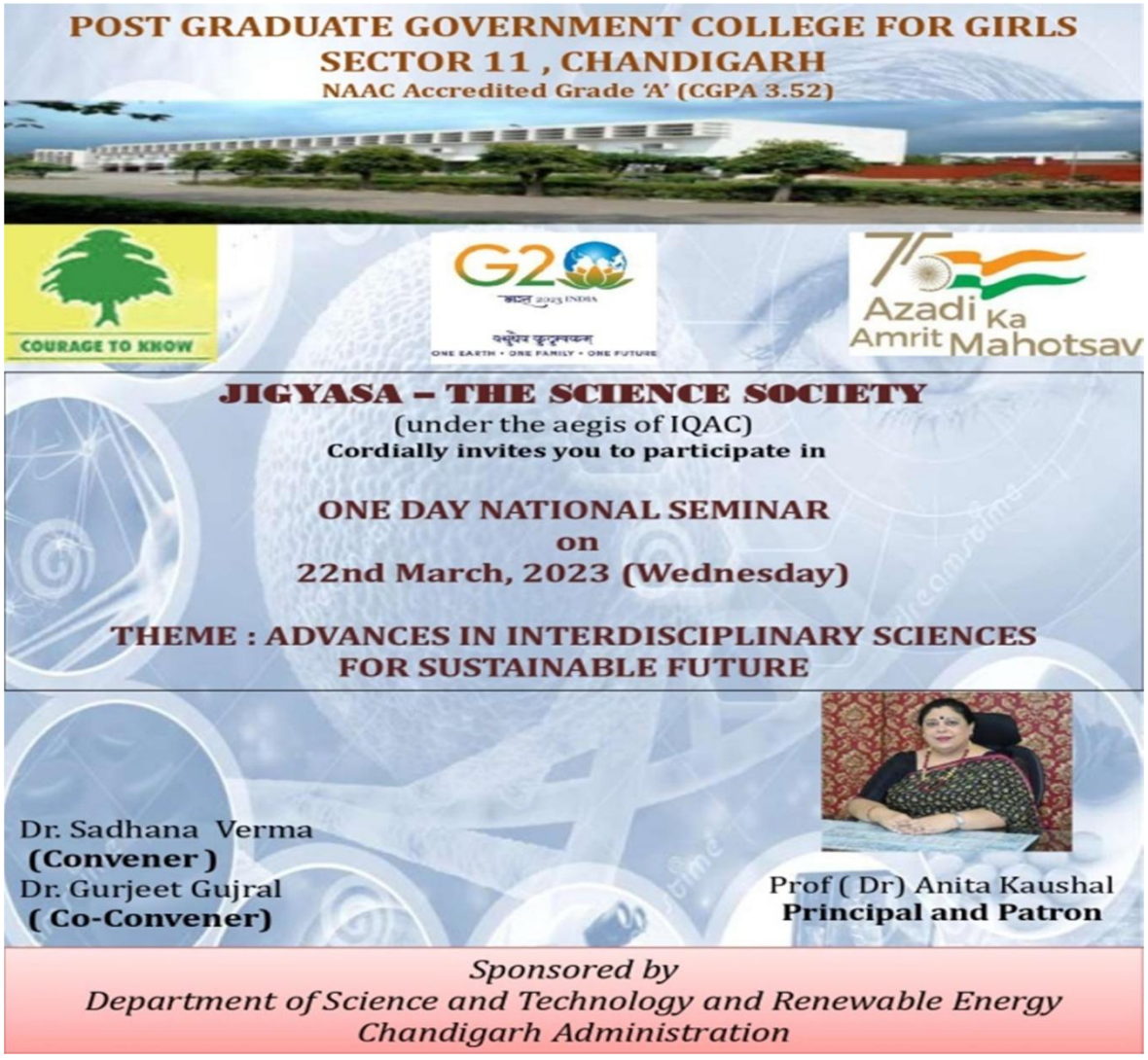
POST GRADUATE GOVT. COLLEGE FOR GIRLS, SEC-11,CHANDIGARH

Report on

One Day National Seminar on

"ADVANCES IN INTERDISCIPLINARY SCIENCES FOR SUSTAINABLE FUTURE"

DATE: 22nd March, 2023



ORGANIZING COMMITTEE

Patron	Prof (Dr) Anita Kaushal, Principal
Convener	Dr. Sadhana Verma
Co-Convener	Dr. Gurjeet Gujral
Organizing Committee	Dr. Anju Sharma
	Dr. Vishal Sharma
	Dr. Umesh Bharti
	Dr.Anurita Sharma
Organizing Secretaries	Ms. Veneeta Anand
	Dr. Madhumita Bhattacharjee

REPORT

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 the 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. About 152 students from the tricity participated in the function.

The Chief Guest of the function was Sh. Debendra Dalai, Secretary, Department of Science and Technology, Chandigarh Administration. There were 4 sessions in the National seminar covering different aspects of Sciences. Different Posters of various themes as given for the Seminar were presented by students and faculty members. Posters of the students were adjudged and were awarded with the Prizes at the valedictory function.

REGISTRATION

Venue: College Porch

Students during Registration

Students during Registration

Students during Registration

Students during Registration

INAUGURATION

Dr. Madhumita, Organising Secretary welcomed all the dignitaries (Shri. Devender Dalai; Prof. (Dr.) Anita Kaushal; Dr. Monika; Mr. Ajay Sharma and Dr. Sadhana Verma) faculty members and participants from various colleges to one day national seminar. After this, welcome address was given by respected Principal Ma'am Prof. (Dr.) Anita Kaushal.

During her speech she welcomed all on the occasion of One Day National Seminar on "ADVANCES IN INTERDISCIPLINARY SCIENCES FOR SUSTAINABLE FUTURE" being organised by JIGYASA-The Science Society of this college with the aim of bringing participants from various fields of science together. This National seminar would be the convention of Scientist from various fields of science to share their valuable knowledge leading to the sustainable development. This seminar will undoubtedly give participants the chance to broaden their knowledge through the expert opinions of renowned scientists.

It gives me immense pleasure to extend a warm and cordial welcome to our esteemed Chief Guest Mr. Debendra Dalai, IFS, Secretary (Science and Technology and Renewable Energy) to our institution. We are extremely fortunate to have a person of Mr. Dalai's Stature who is always willing to guide and support us in all matters and events related to Science and Environment activities. I am grateful to Mr. Dalai for having spared his valuable time to be a midst us on today's very important and auspicious event.

Under Sir's leadership Chandigarh is continuously adding to the greenery of the City and the city has crossed 50% of the area under forest and green cover which is remarkable achievement. He was instrumental in establishment of famous Chandigarh Bird Park behind Sukhna Lake which has brought glory to the city and to the region. He has also initiated many actions to mitigate the effect of Climate Change. Under his leadership, Chandigarh has installed 50 Mega Watt of Rooftop Solar power and aspires to achieve 75 MW by August 2023. He is instrumental in drafting the Electric Vehicle Policy for Chandigarh to reduce emission of Green Houses gases in the City.

The Chief Guest of the inauguration function, Shri Davender Dalai, Director cum Special Secretary of Environment and Director cum Secretary of Science and Technology and Renewable energy UT, Chandigarh was introduced by respected Principal Ma'am Prof. (Dr.)

Anita Kaushal. Shri Dalai during his inaugural address he emphasized the importance of the interdisciplinary approach in today's world where demand of resources is more and supply is less. He suggested that with modern technology, science can play important role to fill this gap. Apart from this, he talked about the various ways to judiciously use renewable sources. He also congratulated 150 participants including students and faculty members of the different colleges of Chandigarh and outside Chandigarh.

Principal Prof (Dr.) Naita Kaushal alongwith the Chief Guest of the Day Sh. Debendra Dalai

Dr. Madhumita, while welcoming the Guests

Floral welcome of the Chief Guest by Prof Dr. Anita Kaushal

Floral welcome of Prof Dr. Anita Kaushal, Principal by Dr. Sadhana Verma, ConvenerScience Society

View of the Audience

View of the Audience

Principal, Prof Anita Kaushal giving way the welcome address

Sh. Debendra Dalai, IFS, Secretary Science and Technology while addressing the Participants

Sh. Debendra Dalai, IFS, Secretary Science and Technology while addressing the Participants

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.

TECHNICAL SESSION I

LECTURE – I

Venue: Multimedia Room

Speaker: Dr. Rajiv Kalsi

The first talk was delivered by, Dr. Rajiv Kalsi, Associate Professor and Head, Department of Zoology, M.L.N. Govt. College, Yamuna Nagar, Haryana 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. He mentioned about the fauna of this biogeographic zone with special reference to Wallcreeper which travels all the way from Sikkim to Chandigarh in winters.

Apart from this he mentioned about the various risks involved while travelling in high mountain ranges of Trans-Himalayas and discussed about AMS, HAPE and HACE as general symptoms of problems faced by people. The lecture was followed by discussion during which participants asked questions regarding the talk.

Wildlife of the Indian
Trans-Himalayas

Sikkim
Tibetan Antelope
GPS Map
Camera Lite
Post Graduate Govt. College for Girls,Sector 11-C Chandigarh
Post Graduate Govt. College for Girls, (Computer Application Department)Sector, 11C, Sector 11, Chandigarh, 160011, India
Latitude
30.7564976°
Longitude
76.7826576°
Local 12:08:09 PM
GMT 06:38:09 AM
Altitude 358 meters
Wednesday, 22.03.2023

LECTURE – II

Venue: Seminar Hall Speaker:

Dr. Promila Pathak

Dr. Promila Pathak, Professor and Chairperson, Department of Botany, Panjab University, Chandigarh delivered talk on "Orchid diversity and conservation" and introduced the audience to wonderful world of orchids. She stressed upon the economical uses, their importance, characteristics supporting long shelf life and utility in different fields such as medicines, ornaments etc. She also pointed out about high revenue generating potential of orchids in International Market. She said that orchids are highly exploited for their pharmaceutical uses (Main ingredients of Chawayanprash and aphrodisiacs) to that extent that many of genera are listed in Red Data Book under Endangered category. She also generated high internet in audience about amazing property of Orchids showing Mimicry. She showed the images of 'Punjabi Jutti' Orchid; 'Helmet Orchid'; 'flying Bird Orchid'; 'Ghost Orchid' and 'Monkey Orchid'. She also shared her experience about her international

visits on various conferences and what she learned about uses o orchids in Jewellery, Perfumes, hand bags and clothes.

POSTER SESSION

As many as 60 posters were presented during poster presentations by students and faculty members of various colleges of Chandigarh and outside Chandigarh on the following themes

THEMES OF THE POSTER PRESENTATION

1. Green Technology & Environment Sustainability
2. Waste Management
3. Interdisciplinary Innovations in Basic Sciences
4. Material Chemistry
5. Energy conservation
6. Advancement in Nanotechnology
7. Artificial Intelligence
8. Climate Change, its impact and mitigation
9. Biodiversity
10. Advanced Techniques in Biological Sciences
11. Science for society
12. Nutrition, Immunology and Health Science
13. Future of Science and technology

GUIDELINES FOR THE POSTER PRESENTATION

Posters of size 22" x 24" can be presented on any of the above theme.
Handwritten Posters will not be accepted for the Seminar.

The best posters of the students were given prizes.

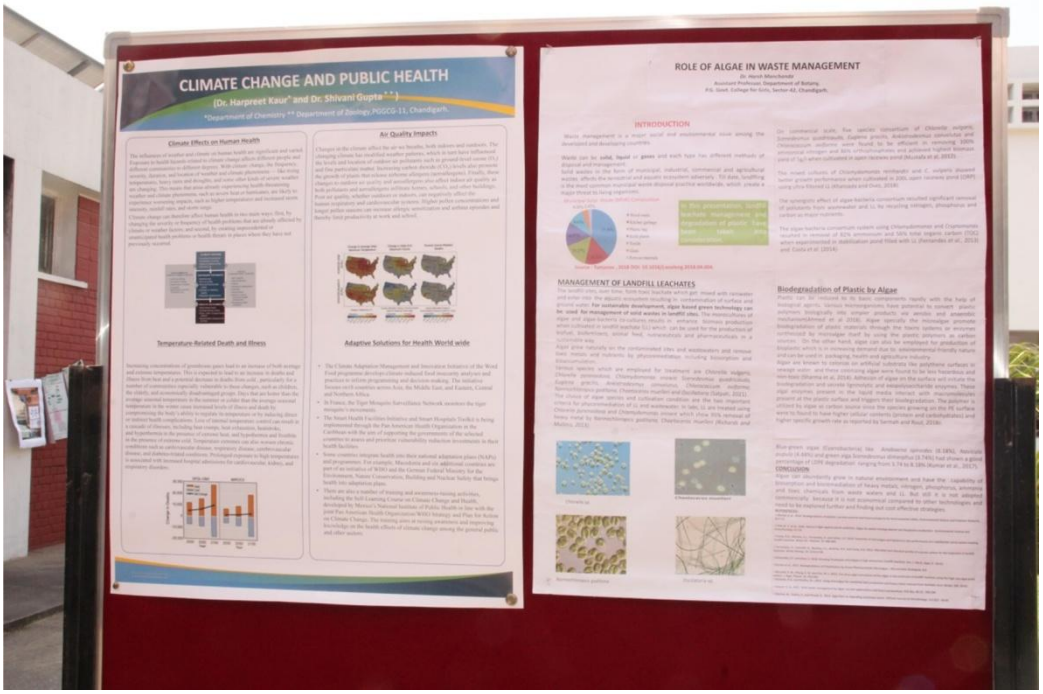
Poster Presentation by Students

Poster Presentation by Students

Poster Presentation by Faculty Members

Judgment of Posters

Judgment of Posters



TECHNICAL SESSION II

LECTURE – I

Venue: Multimedia Room

Speaker: Dr. Arijit Kumar De

The first lecture during the second technical session was delivered by Dr. Arijit Kumar De, Associate professor of Department of Chemical Sciences at IISER Mohali. His research focuses on probing and controlling ultrafast energy and charge transfer dynamics in natural and artificial light-harvesting systems using coherent nonlinear (multi-dimensional) spectroscopy. He started his lecture by explaining the difference between multi disciplinary and interdisciplinary science. He explained that how light is useful in detection of molecules with various interesting examples. He presented a 3D view of water molecules explaining how many types of vibrations are there in water molecules such as symmetric and asymmetric vibration. He also introduced students with new vision of fast rate of reaction in terms of aatosecond Attosecond (the new field of science to reveal some of the fastest processes such as the excitation of electrons in a molecule).

LECTURE – II

Venue: Seminar Hall

Speaker: Prof. Vipin Bhatnagar

The Department of Physics organized a talk on “Interplay of Science & Technology” by Prof. Vipin Bhatnagar, Professor, Department of Physics, Panjab University, Chandigarh. Prof. Vipin began the talk with Albert Einstein's famous quote : "Imagination is more important than Knowledge". He talked about the interplay between science and technology. He showcased an example of Experimental Particle Physics to convey the idea of interplay and the interdisciplinary connection among various fields and subjects. He discussed the elementary particles and their interactions. He explained the use of science and technology in particle accelerators and their connection to medical science. The applications of Particle Detectors and Accelerator Physics in Medical Science were discussed. The session ended with Albert Einstein's quote: "The important thing is to never stop questioning." The students keenly participated in the session and anxiously interacted with the speaker. The faculty of Physics Department of PGGCG-11 and of other departments also attended the event.

Compact Muon Solenoid
SUPERCONDUCTING COIL
CALORIMETERS
TRACKER
MUON CHAMBERS

VALEDICTORY

During the valedictory function, respected Principal Ma'am Prof. (Dr.) Anita Kaushal was the Chief Guest. She appreciated the organizers for their efforts behind the success of the seminar. She also congratulated the winners and gave away prizes. In the end, Vote of Thanks was given by Mrs. Veneeta Anand (Organizing Secretary). During her speech she thanked Chief Guest, speakers, faculty members and participants from different colleges of Chandigarh and outside the Chandigarh. Special thanks were given to the sponsors of the event 'Department of Science and Technology and Renewable Energy, Chandigarh Administration'. Thanks were also due to the entire non teaching faculty for their support in making the event a successful.

Following were the results:

Prize	Name
1st	Deepti and Shreiya, M.Sc. II, Zoology
2nd	Devyani Sharma, M.Sc. II, Zoology
3rd	Arushi, M.Sc. II, Botany

Prize Giving Ceremony

Prize Giving Ceremony

Prize Giving Ceremony

View of Audience

Press Note 22.03.2023

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, Shri Davender Dalai, Chief Conservator of Forests, UT, Chandigarh was introduced by respected Principal Ma'am Prof. (Dr.) Anita Kaushal. Shri Dalai during his inaugural address emphasized the importance of the interdisciplinary approach in today's world where demand of resources is more and supply is less. He suggested that with modern technology, science can play role to fill this gap. He also congratulated 150 participants including students and faculty members of the different colleges of Chandigarh.

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. He mentioned about the fauna of this biogeographic zone with special reference to Wallcreeper which travels all the way from Sikkim to Chandigarh in winters. 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. She stressed upon the economical uses, their importance, characteristics supporting long shelf life and utility in different fields such as medicines, ornaments etc.

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".

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. She also congratulated the winners and gave away prizes. In the End Vote of Thanks was given by Dr. Sadhana Verma, Convener, JIGYASA-The Science Society of the College.

Following were the results:

Prize	Name
1st	Deepti and Shreiya, M.Sc. II, Zoology
2nd	Devyani Sharma, M.Sc. II, Zoology
3rd	Arushi, M.Sc. II, Botany

Post Graduate Government College for Girls,Sector-11, Chandigarh

Report

On

ONE DAY WORKSHOP

(24.03.2023)

THEME- RECENT TRENDS IN SCIENCE

Organized by

JIGYASA- THE SCIENCE SOCIETY of PGGCG-11, Chandigarh

Submitted to

Department of Science and Technology and Renewable Energy, Chandigarh Administration

REPORT

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 and9 5 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. Compeering for the function was done by Dr. Parul Virk , Assistant Professor, Department of Environment Studies.

Dr. Parul Virk while addressing the audience

In his lecture he said that Ayurveda is an ancient therapy which has been given to us as a gift by our Rishi Munis. He spoke about various common Medicinal Plants like Kapoor Tulsi as eye MEdicine, Astevia for diabeties, Bharmi as Memory booster, Shatavari as Immunity booster for ladies, Sarpgandha as High Bp cure etc. In his talk he mainly stressed on taking Herbal plants as Medicine under supervision of an ayurvedic doctor otherwise these plants can be dangerous if taken without consultation.

He Spoke about various common medicinal plants like use of Kasni can cure kidney failure, herb Arjun can help cardiac patients, Ashwagandha can treat insomnia, Akarakara can strengthen teeth while bakul can treat gum ailments. Amaltas can be used for Athma, Leprosy, Fever, heart diseases, Neem can be used for hypersensitivity, Nirgundi leaf root and seeds are useful for Intestinla Worms, skin diseases, muscle and joint pain, Aloe Vera can be used as laxative, Skin burns and for curing Ulcers. He also laid stressed that several side effects of allopathic drugs have compelled patients to seek alternative medicine.

Sh Om Parkash said the ayurvedic system laid emphasis on treating the diseased first and then the disease, While other systems of medicine had side effects. The holistic approach of the

ayurvedic system had ensured certain positive effects , he added. Lecture proved to be an eye popping for the audience.

In the end Vote of thanks was given by Mr. Jaspal Singh, Assistant Professor in the Department of Punjabi. He said that we learnt a lot about herbal plants which we can use daily to improve our life. He also thanked Department of Science and Technology and Renewable Energy, Chandigarh Administration for sponsoring this workshop

WORKSHOP ON MEDICINAL PLANTS BY SH. OM PARKASH

Sh. Om Parkash, Resource Person while interacting with the audience

Sh. Om Parkash, Resource Person while interacting with the audience

Sh. Om Parkash explaining about medicinal plant

View of Audience

Sh. Om parkash explaining about the properties of a rare plant, *Sarpgandha*

Mr. Jaspal Sing, Assistant Professor in the Department of Punjabi while giving Voteof thanks to Mr. Om Parkash

Another Workshop was conducted on “Instrumentation “on 24.03.23 by Mr. Anuj from Samarth Scientifics. He explained the working and handling of various instruments like U.V spectrophotometer, Conductivity meter, Flame Photometer and Digital Melting point, and pH meter etc. It was indeed an informative session for students as well as faculty..He explained the working of every instrument in a very detailed manner. He gave instructions to calibrate the instrument ,to prepare the solutions and to generate graph in a methodical manner. Some of the utilities of various instruments are asfollows:

1. **UV Spectrophotometer**:- Concentration Measurements, Conformational Studies of Proteins ,Monitoring Reaction Kinetics.

2. pH Meter: -An electronic pH meter is used to obtain more accurate pH measurements pH meters are widely used in Food & beverage ,Pharmaceutical., Conductometricration

3.Digital Melting Point-A melting point apparatus is a convenient, safe, fast and easy to use digital product that determines the melting point of a substance without the need for a mercury thermometer.

The workshop was attended by students of MSc I and M.Sc II as well as teachers of chemistry department . Overall it was an highly effective and informative workshop It is an informative session for every students and gained a lot of knowledge and skill development as well .

Workshop in Progress

In the End Vote of thanks was proposed by Dr. Sadhana Verma, Convener of the JIGYASA Society.

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR 11 , CHANDIGARH

NAAC Accredited Grade 'A' (CGPA 3.52)

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(under the aegis of IQAC)

cordially invites you to

CAREER PROSPECTS IN CHEMISTRY

By

Ms. ABHIVYAKTI CHAUHAN

27th March, 2023 (MONDAY)

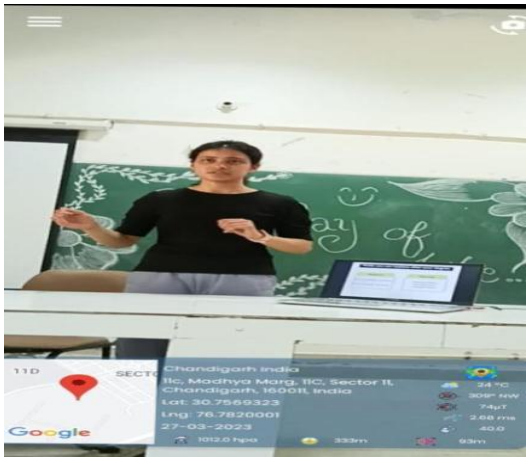
11.00 a.m.

Report of Alumna Talk

On 27th March 2023, an interactive session was organized by Chemistry Department, Post Graduate Government College for Girls, Sector -11, Chandigarh in collaboration with Nostalgia on **Career Prospectus in Chemistry**. Ms. Abhivyakti Chauhan was the key speaker of the day . She is alumna of the college and presently she is a research scholar in Department of Chemistry in Panjab University.

She interacted with the Postgraduate classes of chemistry and enlightened them with various career opportunities in subject. In this session, she gave us the information regarding the research course in India and abroad. She also apprised students about the teaching opportunities after post graduation in chemistry. She also gave the information about government jobs and various technical posts in industries.

It was indeed an enlightening session for students and will help to choose the right career path in future.



Talk in Progress