



MTTF

MathTech Thinking Foundation

A Ministry of Corporate Affairs, Government of INDIA Approved NGO

MATLAB Tutorial Series 2023

Fundamentals of computing with MATLAB,
Numerical Methods, Optimization Techniques,
Statistical Analysis, Data Analytics, ML, DL, Data
Science, Bioinformatics, Quantum Computing,
Image processing, Mathematical Modelling

Scan QR Codes



Whatsapp Group



Registration Form



Website Page

Schedule

Every Sunday throughout the Year 2023

at 7:00 PM to 9:00 PM (IST)

Starts on 8th January 2023

organized by

MathTech Thinking Foundation, INDIA



www.mttf.in



contactus@mttf.in



+91-896-829-4003

CIN: U80902PB2020NPL051562

ISO: 9001:2015



MTTF

MathTech Thinking Foundation

A Ministry of Corporate Affairs, Government of INDIA Approved NGO

CERTIFICATE

OF PARTICIPATION

This is to certify that

Upasana Rani

has participated in the 'MATLAB Tutorial Series 2023' workshop organized by MathTech Thinking Foundation, FZK, Punjab, India. The series comprised 16 lectures held every Sunday, with a total duration of 32 hours spanning from January to August 2023.

Date: 30 December 2023

DR. GURMEJ SINGH SANDHU
GENERAL SECRETARY



DR. MEHAR CHAND
FOUNDER & PRESIDENT

Report about MATLAB Tutorial Series 2023

MATLAB Tutorial Series 2023 was organized by MathTech Thinking Foundation, India from January 8th 2023 to Aug 2023 on every Sunday. It was a very informative, knowledgeable and upto date training session. In this workshop a detailed information was provided about use of MATLAB software in computing, numerical methods, optimization techniques, statistical analysis, data analysis, data science, bio-informatics and mathematical modelling.

In this series it was told that Matlab is used in every facet of Computational Mathematics. It is used in dealing with Matirx and Array, 2D and 3D plotting and graphics, linear algebra, algebraic equations, statistics, data analysis, curve fitting. This workshop provided hands on training and was quite beneficial for beginners.



**Centre for Professional Development in Higher Education
(UGC-MMTTC), University of Delhi**

In Collaboration With
University Grants Commission

&

IKS (Division of Ministry of Education, Government of India)

Is Organizing

a Six-Day Short Term Face to Face Training Programme

Indian Knowledge Systems (IKS)

16th October - 21st October 2023



**Centre for Professional Development in
Higher Education (UGC-MMTTC), University of Delhi**

In Collaboration With
University Grants Commission

&
**IKS (Division of Ministry of Education,
Government of India)**

Cordially Invites You On

Inaugural Session

a Six-Day Short Term Face to Face Training Programme

Indian Knowledge Systems (IKS)

Date - 16th October 2023, 09.45 AM

Venue - CPDHE, Auditorium, University of Delhi



Prof. Kapil Kapoor
Padma Bhushan Awardee

**Eminent Scholar of
Linguistics & Literature**



**Dr. Uma Shankar
Pachauri**

**Vice-President
Bhartiya Shikshan Mandal**



Prof. Ganti S. Murthy
**National Coordinator
Indian Knowledge
Systems (IKS)**

Coordinator's



Prof. Geeta Singh
**Director
CPDHE (UGC-MMTTC)
University of Delhi**

Sh. Anurag Deshpande

FTP Coordinator
IKS Division of MoE
Govt. of India

Sh. S. Sriram

FTP Coordinator
IKS Division of MoE
Govt. of India

Prof. Sachin Vashistha

Department of Mathematics
Hindu College
University of Delhi

Feel free to Contact

Email -

office@cpdhe.du.ac.in

Mob. No. -

9818427882

8010070197

Dr. Saurabh Ji

Deputy Proctor
University Of Delhi

Dr. Sharda Gautam

Department of Sanskrit
Daulat Ram College
University of Delhi

Dr. Nityanand Agasti

Department of Chemistry
Deen Dayal Upadhyay College
University of Delhi



ज्ञान-विज्ञान विभुक्तये

डॉ. मंथा श्रीनिवासु
संयुक्त सचिव

Dr. Mantha Srinivasu
Joint Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : कार्यालय Off : 011-23231814
e-mail : mantha@ugc.gov.in

UGC/IKS-STP(MMTC)/135320/

02nd January, 2024

Dear Madam/Sir

As envisaged in NEP-2020, UGC in coordination with IKS Division of Ministry of Education is working for promotion of 'Indian Knowledge Systems' which is the valuable repository of wisdom, traditions, and heritage that are essential for our cultural and educational identity. In this concern, UGC has already conducted 'Six-days Short-Term Face-to-Face Training Programme in IKS' in various MMTCs/HRDCs i.e. RTM Nagpur University, Nagpur (31st July-5th August, 2023), University of Madras, Chennai (21st-26th August, 2023), Banaras Hindu University, Varanasi (28th August-2nd September, 2023), University of Kashmir, Srinagar (11th-16th September, 2023), Gauhati University, Guwahati (9th-14th October, 2023) and University of Delhi, Delhi (16th-21st October, 2023) for more than 1000 faculty of HEIs across the country.

UGC appreciates your keen interest and active participation in Six-days Short-Term Face-to-Face Training Programme in IKS and further to the above initiative, it is decided to provide 'Masters' Training in IKS' to selected group of 250 participants. The selection of participants will be made through the examination which is scheduled on 6th January, 2024 (Saturday) at 11:00 a.m. through online mode (google form), and which is based on the syllabi in which the training was imparted by the experts in face-to-face mode.

The selected faculty has to undergo the 'Masters' Training in IKS' for Six-days at the venue and dates which will be intimated in due course of time. The participants who successfully completed the Masters' training will get the golden opportunity to train other fellow faculty members of HEIs in Six-days Short-Term Face-to-Face Training Programme in IKS to be organized throughout Bharat during April, 2024 to March, 2025.

Hence, those who wish to participate to undertake the Masters' training may kindly fill their details as prescribed in the following google form on or before 5 p.m. on 04th January 2024, and kindly make it convenient to attend the examination as scheduled, without fail.

Google Form Link : <https://forms.gle/FtZ88yxJkwpY84Be7>


(Dr. Mantha Srinivasu)
Joint Secretary (IKS)

To

All participants who attended Six-days Short-Term Face-to-Face Training Programme in IKS' in various MMTCs/HRDCs (sent through e-mail)



Centre for Professional Development in Higher Education (UGC-MMTTC)
University of Delhi, Delhi
in Collaboration with
University Grants Commission
&
IKS Division of Ministry of Education, Government of India

Certificate

This is to certify that **Satpal Singh**

..... **S.D. College, Barnala, Punjabi University, Patiala, Punjab**

..... *Successfully completed the Six Day Short Term Face to Face Training Programme on*

..... **"Indian Knowledge Systems (IKS)"**

..... *from* **October 16, 2023** *to* **October 21, 2023** *at* CPDHE, University of Delhi.

शारदा
Course Coordinator

S.S. N. MATHY
National Coordinator (IKS)

[Signature]
Director (CPDHE)

Vikas Gupta
Registrar

Report on
Six-Day Short Term Face-to-Face Training Course
on
“Indian Knowledge System (IKS)”

Date: 16th October - 21st October 2023

In order to facilitate a seamless integration of Indian Traditional knowledge with modern subjects, UGC came up with the guidelines for training of faculty on Indian knowledge system. In this regard, the UGC in collaboration with the IKS Division of Ministry of Education planned to organize six-day short term face to face training programme for 1000 teachers at six HRDCs during July-October, 2023. The training program was conceptualized to train only 1000 teachers of HEIs on IKS in five phases. In this line, A Six Day Short Term Face to Face Faculty Training Program (FTP) on Indian Knowledge Systems jointly organised by UGC and IKS Division Ministry of Education, Govt of India at Centre for Professional Development in Higher Education (CPDHE), Delhi University for around 200 teachers (hailing from various colleges and universities of Delhi, Haryana, Punjab, Rajasthan and Uttarakhand) from 16th October - 21st October 2023. The STTP on IKS seeks to utilize Indian knowledge and empower teachers to teach the foundational IKS courses as per the UG/PG guidelines of the UGC for the academic year 2023-2024 for making it easier to connect the dots between the past and the present. The programme reminds us the *shloka* from the Rigveda— “भद्रायां सुमतौ यतेम (ऋग्वेद ६.१.१०)” with a positive note— “Let us strive for the wisdom that leads to the welfare of all.” All the days of the STTP were full of knowledge and the sessions were very informative for all. It was indeed a great learning and knowledge exchange opportunity. I am grateful to MOE, CPDHE, IKS division of Govt. of India for their endeavours.



Prof. Satpal Singh

Assistant Professor

Department of English



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



भारतीयज्ञानपरम्परायां स्रोतशिक्षकप्रशिक्षणकार्यक्रमः

Master Trainers' Faculty Training Program on IKS

Organised by : Indian Knowledge Systems Division
Ministry of Education, Govt. of India, New Delhi

In collaboration with
University Grants Commission (UGC), New Delhi

Venue: **CENTRAL SANSKRIT UNIVERSITY, Bhopal**

26th February – 2nd March 2024



ज्ञान-विक्रान विमुक्तये

डॉ. मंथा श्रीनिवासु
संयुक्त सचिव

Dr. Mantha Srinivasu
Joint Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission

(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : कार्यालय Off : 011-23231814
e-mail : mantha@ugc.gov.in

UGC/IKS-MTP/135320

01st February, 2024

Dear Madam/Sir,

Congratulations on your selection for 6-days Face-to-Face Masters' Training Programme in IKS.

The venue and date of training programme are as below:

Venue: Central Sanskrit University
Bhopal Campus,
Sanskrit Marg, Baghsewaniya,
Bhopal, Madhya Pradesh – 462 043

Date of Training : 26th February to 02nd March, 2024.

(Note : No change in Venue or Date will be entertained)

In this concern, you are requested to confirm your participation in the above mentioned training programme, by submitting the 'No Objection Certificate' from the authorities of your HEI (University / College) and also a letter of permission in the prescribed format (on the letter head of the head of the institution), attached herewith, to attend the training programme as a Master Trainer to train the fellow faculty members, at the venue and as per schedule, around the year, whenever directed by the UGC.

You have to confirm your participation in the 6-days Face-to-Face Masters' Training Programme in IKS at the venue and schedule mentioned above, latest by 10th February, 2024. AC 3-Tier Rail fare only (TA) will be admissible to attend the programme. You are directed to arrange the tickets at the earliest, after submitting the relevant documents.

The link to confirm the participation with relevant document(s) is :

<https://forms.gle/cEAt7dJTnKQaHZ876>

Thank you for your interest in promoting and propogating '*Bharatiya Jnana Parampara*'.

(Dr. Mantha Srinivasu)



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



Master Trainers' Faculty Training Program on Indian Knowledge Systems (IKS)

प्रमाणपत्र/Certificate

S.No: 2024250081

This is to certify that

Mr. Satpal Singh

Śrī/Śrīmatī/Suśrī

from **S. D. College Barnala, Punjabi University Patiala**

has successfully completed the Master Trainers' Faculty Training Program on Indian Knowledge Systems (IKS) organised by Indian Knowledge Systems (IKS) Division of Ministry of Education, Govt. of India, New Delhi in collaboration with University Grants Commission (UGC), New Delhi at Central Sanskrit University, Bhopal from 26th Feb. 2024 to 2nd Mar. 2024.

Scan & Verify

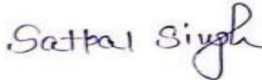


This certificate is electronically generated and hence does not require a signature.



Report on
6-Days' Face-to-Face Masters' Training Programme
in
“Indian Knowledge System (IKS)”
Date: 26th February to 02 March 2024

To facilitate the seamless amalgamation of Indian traditional knowledge with contemporary information system, the UGC, in collaboration with the IKS Division of the Ministry of Education, conducted a six-day face-to-face Master Training Faculty Training Programme (MTFTP) for more than 100 teachers hailing from various colleges and universities chosen through rigorous filtering process. The UGC-IKS Masters' training program, held at Central Sanskrit University, Bhopal Campus, Sanskrit Marg, Bagsewaniya, Bhopal, (Madhya Pradesh) from Feb 26th to March 2nd 2024. The much-anticipated Master Trainers' Faculty Training Program on Indian Knowledge System (IKS) commenced amidst an august gathering of esteemed academicians, seasoned subject experts, and visionary leaders from various universities, UGC, and the Ministry of Education converged for the inaugural ceremony. With intellectual fervor in the air, the event promised to be a receptacle of ideas, fostering dialogues, and thus delving into the rich tapestry of Indian Knowledge System. MTFTP on IKS was meticulously structured to equip the selected faculty members of Indian universities with essential knowledge and skills related to Indian Knowledge System. I got this opportunity to be among the distinguished cohort of 150 participants for the second phase of Master Training on IKS. Under the guidance of revered scholars and practitioners, we delved deep into the timeless teachings of our ancestors. As we journeyed through the IKS texts and diverse disciplines they cover, I couldn't help but marvel at the profound insights passed down to us by the ancient Rishis. I extend my sincere appreciation to the Government of India, Ministry of Education, IKS division, for orchestrating this transformative event. Gratitude also to the distinguished resource persons who generously shared their knowledge, enriching us with their insights and perspectives. It was great experience interacting with resource persons and participants from diverse fields of study. A heartfelt gratitude to Prof. Ramakant Pandey, Campus Director, Bhopal, whose warm hospitality embodied the ethos of "Atithi Devo Bhava." His mentorship truly enhanced our learning experience.



Prof. Satpal Singh
Assistant Professor
Department of English

14th NATIONAL CONFERENCE

on

Chemistry For The Sustainable Future (CSF- 2024)

February 22-23, 2024



(Established Under Punjab Act No. 35 of 1961)

DEPARTMENT OF CHEMISTRY

Punjabi University, Patiala - 147 002 (Punjab)

UGC: SAP (DRS - II) Assisted Department

INVITATION

The organizing committee cordially invite you and your colleagues to participate in the deliberations of the 14th National Conference on "Chemistry For Sustainable Future" (CSF- 2024) to be held during February 22-23, 2024, at the Department of Chemistry, Punjabi University, Patiala.

INSTITUTION

The Punjabi University, accredited as 'A+ grade' by NAAC, located in the erstwhile princely city of Patiala, in the southeast of Punjab, was established on April 30, 1962. After the Hebrew University of Israel, this is the only university named after a language. In addition to its primary objective of developing and promoting the Punjabi language and culture, the University fulfils the educational and social requirements of the people of Punjab and nearby states. Keeping pace with the developments in the educational field worldwide, the university has evolved as a multi-faceted and multi-faculty educational institution with over eighty-five Teaching and Research Departments.

The Department of Chemistry is one of the first three Departments which started functioning with the inception of Punjabi University in 1963. Initially, the Department started functioning with courses specializing in Organic, Inorganic and Physical Chemistry. In the later stages, Analytical and Biochemistry specializations were also introduced. In 1974, M.Sc. in Forensic Science was also added to the list of courses run by the Department. The Biochemistry specialization and Forensic Science section have now developed into full-fledged and independent Departments of Biotechnology and Forensic Science, respectively. The Ministry of Environment, Government of India, has recognized the Department of Chemistry as the centre for pollution control and environmental analysis. Currently, the Department offers **Multi Disciplinary Five Years (B.Sc.-M.Sc.) Integrated Programme in Physical & Chemical Sciences (Chemistry Major) and M.Sc. (Honors) Chemistry-2 Years with Specialization in Organic, Inorganic & Physical Chemistry**. The Department has been awarded SAP DRS-II (2014-2019) and FIST (2009-2014) assistance by UGC, New Delhi and DST, New Delhi, respectively. The Department has well-established instrumentation labs equipped with GC-MS, CHNS Analyzer, UV-Visible, UV-Visible Spectro Fluorimeter, FTIR, TGA-DTA, HPLC and Flash Chromatography systems. Apart from teaching assignments the faculty of the Department is engaged in many Government and Industry sponsored major research projects.

PATIALA

Patiala, the princely city of Punjab, is a resplendent tapestry of Rajput, Mughal, and Punjabi culture, seamlessly blending modernity with tradition. Founded by Baba Ala Singh approximately two centuries ago, Patiala is renowned as the "City of Gardens." It boasts a thriving educational landscape, encompassing institutions like TIET, Rajiv Gandhi National university of Law, Government Medical College, Jagat Guru Nanak Dev Open State University, The Maharaja Bhupinder Singh Punjab Sports University, State College of Education, Physical College of Education, Vikram College of Commerce and a multitude of Science and Arts Colleges. Additionally, Patiala is home to the National Institute of Sports and a treasure trove of historical and religious landmarks, including Baradari Gardens, Kali Mata Mandir, and Gurudwara Shri Dukhniwaran Sahib. Situated approximately 250 kilometers from Delhi, 50 kilometers from Ambala Cantt, and 70 kilometers from Chandigarh, Patiala

enjoys excellent connectivity by road and rail to all parts of India. With temperatures ranging from 15° to 20° Celsius in February, participants are advised to pack warm clothing.

ABOUT THE CONFERENCE

This is the 14th National Conference organized by the Department of Chemistry, Punjabi University, Patiala. This esteemed gathering aims to ignite the minds of young scientists and scholars, empowering them to contribute to the development of sustainable chemical practices, which aligns with India's commitment to a greener future under **National mission for Green India (GIM)**. This conference will provide a scientific forum where chemist can exchange their ideas. Through in-depth discussions and collaborative efforts, the conference will explore the new frontiers of chemistry, with a focus on

- Sustainable synthesis and reaction pathways.
- Solution thermodynamics, Electrochemistry and Chemical Kinetics.
- Advanced materials for renewable energy applications.
- Strategies for monitoring and mitigating environmental pollution.
- Computational and medicinal research.
- Organic, Heterocyclic and Inorganic Synthesis.
- Theoretical and combinatorial Chemistry.

At the heart of the conference lies the exploration of sustainable synthesis techniques, unraveling innovative reaction pathways and catalytic strategies that minimize environmental impact. Participants will gain insights into the development of advanced materials tailored for renewable energy applications, paving the way for a cleaner and more sustainable energy future. The conference will culminate in a keynote address delivered by **Prof. Imran Ali, Department of Chemistry, Jamia Millia Islamia, New Delhi**, followed by plenary and invited talks by renowned experts. The sessions for poster and oral presentations are scheduled to offer a platform for young researchers to present their innovative work. Ample opportunities for networking and informal discussions will further enrich the learning experience.

Join us at this pivotal event, where the future of chemistry will be shaped by the collective brilliance of our scientific community. Together, we will embark on a journey towards a sustainable future, where chemistry plays a pivotal role in safeguarding our planet and ensuring the well-being of generations to come.

CALL FOR PAPERS

The participants are requested to submit the Abstract (s) (maximum 250 words) of their paper(s) typed in MS Word, Times New Roman font, 12 point with single spacing on A4 size with 3 cm right and 5 cm left, 1.5 cm top and bottom margins through e-mail to **Dr Poonam Patyar** (Convener, Technical Programme Committee) on csf2024pup@gmail.com as an attachment in MS Word format with above-said specifications. The name of the presenting author of the poster/oral should be bold and underlined. The poster size should be 1 meter x 1 meter in dimension. The abstract will be published in the Abstract Book after receiving the registration fee. The three best posters will be awarded prizes.

Dr. Poonam Patyar
Convener - Technical Programme Committee
CSF-2024

E-mail: csf2024pup@gmail.com
Mobile: +91-8283832999

CONTACT PERSONS

**Professor (Dr.) Mohamad Yusuf
Convener, CSF-2024**
Mobile: +91-8968659078
e-mail: yusuf_sah04@yahoo.co.in

**Professor (Dr.) Ashok Kumar Malik
Coordinator, CSF-2024**
Mobile: +91-9815551332
e-mail: malik_chem@yahoo.co.uk

**Professor (Dr.) Baljit Singh
Co-Coordinator, CSF-2024**
Mobile: +91-9814107914
e-mail: baljit_chemz@yahoo.co.in

**Dr. Jatinder Singh Aulakh
Organizing Secretary, CSF-2024**
Mobile: +91-9878074759
e-mail: chemiaulakh@gmail.com

REGISTRATION FEE

Academia:	Rs. 2,500/-
* Research Students:	Rs. 2,000/-
Industry:	Rs. 4,000/-
M.Sc. Students:	Rs. 1000/-
Accompanying person:	Rs. 5,00/-

The registration fee is to be sent by a QR code/Demand Draft drawn in favour of the Organizing Secretary, **CSF-2024** and payable at Patiala. Spot registration for participation only (not for oral/poster presentation) will also be available to all those interested.

Accommodation and Travel

Participants will be provided accommodation at the University campus on a first come, first served basis only for the days of the Conference. All correspondence regarding accommodation and travel must be addressed well in advance to **Dr Rajiv Mall** (Convener-Accommodation & Travel Committee: e-mail: rajivmall@pbi.ac.in, Mobile: 91-9780622150).

IMPORTANT DATES AND DEADLINES

Receipt of Abstracts:	January 15, 2024
**Information about acceptance of Abstract(s):	February 15, 2024
Registration form along with a request for accommodation	February 17, 2024

*Students should submit proof of the studentship through a valid Identity Card and the Registration form.

**Abstract (s) will be published in the Abstract Book only after receiving the registration fee.

NATIONAL ADVISORY COMMITTEE

Prof. (Dr.) Arvind, Patron

Dr. N. Kalaiselvi
Dr. S. Chanrasekhar

Prof. (Dr.) M. Jagadesh Kumar
Prof. (Dr.) Jaspal Singh Sandhu
Prof. (Dr.) Siva Umopathy
Prof. (Dr.) E.D. Jemmis

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Dr. J. S. Sandhu

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Prof. (Dr.) Satnam Singh

Prof. (Dr.) Harish K. Chopra

Prof. (Dr.) Ashok K. Malik

Prof. (Dr.) Baljit Singh

Prof. (Dr.) Mohamad Yusuf

Vice Chancellor, Punjabi University,
Patiala

Director General, CSIR, New Delhi
Secretary, DST, Govt. of India, New
Delhi

Chairman, UGC, New Delhi
Vice Chancellor, GNDU, Amritsar
IISC, Bangalore
Department of Inorganic and Physical
Chemistry, IISc, Bengaluru
Emeritus Professor, PU, Chandigarh
PU, Chandigarh
Punjabi University, Patiala (Former
INSA Scientist)

Department of Chemistry, IIT, Ropar
Department of Chemistry, IIT, New
Delhi

Head, Department of Chemistry,
GNDU, Amritsar
Head, Department of Chemistry, PAU,
Ludhiana

Chief- Scientist, CSIR-CSMCRI,
Bhavnagar

Chairperson, Department of
Chemistry, GJUS&T, Hisar
Chairperson, Department of
Chemistry, KU, Kurukshetra

Chairperson, Department of
Chemistry, MDU, Rohtak
Chairperson, Department of
Chemistry, PU, Chandigarh

Head, School of Chemistry &
Biochemistry, TIET, Patiala
Department of Chemistry, SLIET,
Longowal

Department of Chemistry, Punjabi
University, Patiala

Department of Chemistry, Punjabi
University, Patiala

Head, Punjabi University, Patiala

LIST OF SPEAKERS

Prof. (Dr.) Imran Ali	Keynote Speaker	Jamia Milia Islamia, New Delhi.
Prof.(Dr.) Arvind	Plenary Talk	VC, Punjabi University, Patiala.
Prof. (Dr.) Adarsh Pal Vig	Invited Talk	Director, PPCB, Patiala, Punjab.
Prof. (Dr.) Parsad V. Bharatam	Invited Talk	NIPER, Mohali, Punjab.
Prof. (Dr.) Devinder Kumar	Invited Talk	GJUS&T, Hisar.
Prof. (Dr.) Sanjay Mandal	Invited Talk	IISER, Mohali
Prof. (Dr.) Narinder Singh	Invited Talk	IIT Ropar
Prof. (Dr.) Baljit Singh	Invited Talk	Himachal Pradesh University, Shimla
Prof. (Dr.) Vandana Bhalla	Invited Talk	Guru Nanak Dev University, Amritsar.
Prof. (Dr.) Kamaldeep Paul	Invited Talk	Thapar University, Patiala
Dr. Aakash Deep	Invited Talk	Principal Scientist, CSIO, Chandigarh

ORGANIZING COMMITTEE

Prof. (Dr.) Mohamad Yusuf
Prof. (Dr.) Ashok K. Malik
Prof. (Dr.) Baljit Singh
Dr. Jatinder Singh Aulakh
Dr. Manisha Bansal
Dr. Harpreet Kaur
Dr. Poonam Patyar

Head & Convener
Coordinator
Co-Coordinator
Organizing Secretary
Convener, Cultural Committee
Treasurer
Convener, Technical Programme Committee

Registration Form 14th National Conference on Chemistry for the Sustainable Future

CSF-2024
Department of Chemistry, Punjabi University, Patiala
February 22-23, 2024

Name of the

Participant: _____

Designation: _____ Sex: Male/Female _____

Institute: _____

Mailing Address: _____

Mobile: _____ Fax _____

E-mail: _____

Type of Presentation: _____ Poster/Oral _____

Title of the Research Paper: _____

Registration Fee: _____ Amount: Rs. _____

Draft No./ Transaction ID _____ Dated _____

Name and age of the Accompanying Person:

Name _____ Age _____

1. _____

2. _____

Is Accommodation Required? _____ Yes/No _____

Period: From _____ To _____

Date: _____ Signature _____

The registration form may please be sent to:

Dr. Jatinder Singh Aulakh
(Organizing Secretary, CSF- 2024)
Department of Chemistry
Punjabi University, Patiala – 147002 (Punjab)
Mobile: 91-9878074759
e-mail: csf2024pup@gmail.com

14th National Conference on Chemistry for the Sustainable Future

(CSF-2024)

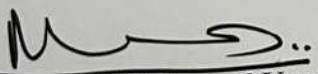
March 06-07, 2024

Department of Chemistry, Punjabi University, Patiala

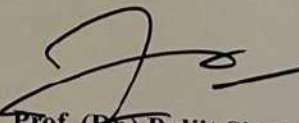


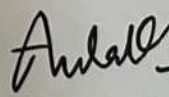
CERTIFICATE

This is to certify that Prof. /Dr. /Mr. /Ms Kulbhushan Rana (Associate Prof.) of Dept. of Chemistry
SD College, Barnala has participated / presented a poster / given an oral
presentation/delivered an invited lecture / chaired a technical session entitled Synthesis of
anti-cancer activities in the 14th National
Conference on Chemistry for the Sustainable Future (CSF-2024), organized by the Department of Chemistry, Punjabi
University, Patiala on March 06-07, 2024.


Prof. (Dr.) Mohamad Yusuf
Convener


Prof. (Dr.) Ashok K. Malik
Coordinator


Prof. (Dr.) Baljit Singh
Co-Coordinator


Dr. J.S. Aulakh
Organizing Secretary

REPORT

14th National Conference on “Chemistry for Sustainable Future” was organised by Department of Chemistry Punjabi University Patiala. The aim of the conference was to ignite the minds of young scientist and scholars empowering them to contribute to the development of sustainable chemical practises which align with India’s commitment to a greener future under National Mission for green India. This conference covered many topics like sustainable synthesis, thermodynamics, electrochemistry, chemical kinetics, medicinal research, heterocyclic chemistry, and combinatorial chemistry. The exploration of sustainable synthesis techniques, unravelling innovative reactions pathways and catalytic strategies that minimise in environmental impact were discussed. Participant gained insight into the development of advanced materials, tailored for renewable energy applications paving the way for a cleaner and more sustainable energy future. The sessions of poster and oral presentation was scheduled to offer a platform for young researchers to present their innovative work. Ample opportunities for networking and informal discussions further enriched the learning experience.

About SLIET Longowal

Sant Longowal Institute of Engineering and Technology (SLIET) is Deemed University and centrally funded technical institute of Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirements at various levels by adopting a new concept of modular system in imparting technical education with emphasis on practical training in industry.

About IIT Jammu

The Indian Institute of Technology Jammu (IIT Jammu) is a public research university located in Jammu, Jammu and Kashmir. IIT Jammu is one of the India's IIT. A sophisticated state of the art facility with several research laboratories at IIT Jammu provides world class environment for emerging and applied research.

About NIT Delhi

National Institute of Technology, Delhi is a premier public technical university located in Delhi, India. It has been declared as an Institute of National Importance by an act of Parliament of India. It is one of the 31 National Institutes of Technology in India.

About IAHT Ludhiana

Institute for Auto Parts and Hand Tools Technology is an Industrial Research, Development and Technical services providing institute. The focused area of the institute is in Auto Parts and Hand Tools manufacturing sector.

Venue of Conference

Sant Longowal Institute of Engineering and Technology, Longowal, Distt. Sangrur (Punjab)-148106.

The weather of Longowal during conference time is expected to remain pleasant.

Accommodation

For Students: Rs. 300/- (Full conference period).

For others: Rs. 300/- per day in guest house and transit accommodation respectively on sharing basis. Lady participants will be accommodated at girl's hostel with nominal charge.

Contacts:

Prof. M M Sinha, Chairman, AEMTA-2024
Department of Physics, S.L.I.E.T., Longowal,
Distt. Sangrur (Punjab) – 148106
Phone: 6239793053, 9781403550, 7256933483

Email: aemta2024@sliet.ac.in

For more details, please visit
www.aemta2024.in

ORGANIZING COMMITTEE

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Prof. Manik Kant Paswan, Director, SLIET Longowal
Prof. Manoj Singh Gaur, Director, IIT Jammu
Prof. Ajay K. Sharma, Director, NIT Delhi

Patron:

Prof. J S Dhillon, Dean (Acad), SLIET Longowal

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Dr. M. M. Sinha, Professor (Physics), SLIET Longowal

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Dr. A S Shahi, HOD (ME), SLIET Longowal
Dr. Surinder Singh, Dean (R&C), SLIET Longowal
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Dr. V. S. Pandey, Dean (FW), NIT Delhi

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Prof. Rupinder Singh, NITTTR, Chandigarh
Prof. N M Suri, PEC, Chandigarh
Prof. B L Ahuja, MLSU, Udaipur, Rajasthan



National Conference on “Advanced and Emerging Materials for Technological Applications”

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

Organized by:

**Department of Physics, Mechanical
Engineering, Electronics and Communication
Engineering**



**Sant Longowal Institute of Engineering
and Technology, Longowal (Punjab)**

(Deemed-to-be University under MoE,
Govt. of India)

in collaboration with



**I.A.H.T.
Ludhiana**



N.I.T. Delhi



I.I.T. Jammu

www.aemta2024.in

Scope of conference

The aim of the conference is to provide a platform to bring together faculty, researchers, Scientists, engineers, research scholars and industrial experts for exchanging the latest research advancements in advanced and emerging materials and their technological applications. The young scientist/engineers and research students will get a chance to put forward their research work in front of experts of their particular field. Participants will also have the opportunities to establish the research collaboration with the industry and academia through different interactive sessions with the experts. So, to provide participants a platform, the Sant Longowal Institute of Engineering and technology, Longowal in collaboration with IIT, Jammu, NIT, Delhi and IAHT, Ludhiana has taken an initiative to organize National Conference on "Advanced and Emerging Materials for Technological Applications" (AEMTA - 2024). **The conference will be conducted in HYBRID MODE (Online and Offline mode).**

Topics covered in conference

- Nanostructured materials
- Smart and Functional Materials
- Electronic and Photonic Materials
- Materials Computational Methods
- Nano Biomaterials & Biosystem
- Surface and Material Characterization
- Plasmonics
- Energy Harvesting Materials
- Biomedical Materials
- Polymeric Materials
- Superconductivity and spintronic
- Sensors and Device Fabrications
- Microelectronics, Nano-electronics
- Nanotechnology & VLSI Design
- Communication & Networking
- Additive Manufacturing
- Sustainable Materials
- Surface Engineering
- Materials processing
- Food materials, Physics & applications
 - Materials for food formulation & processing

Submission of Abstract & Paper

Papers are invited for the oral and poster presentations. Authors may submit an abstract limited to 250 words containing title, brief introduction, objectives, methodology and major findings of the paper. It should be typed in MS Word, Times New Roman 12-point font, single spacing with one inch margins on all sides. The corresponding author should be marked with asterisk (*) sign. The name of the presenting author should be underlined. The abstract must include the affiliations of all authors along with email address. Papers will be selected for presentation on the basis of review by subject expert. The presenting & registered author will receive participation certificate. Authors are required to submit their original and unpublished research work for presentation (HYBRID MODE) in the conference.

- Select papers from the conference will be published by Springer as a proceedings book volume.
- Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.
- Springer Nature does not charge any money for publication of Non-Open Access content

Only one paper per registered participant will be considered for publication, however, one can be a co-author of more than one paper.

Link for Registration/abstract/ full length paper submission:
<https://forms.gle/d7AnRc9GaHey5Gyo8>

Best Paper Award

A few paper will be considered for best paper award.

Important Deadlines

Abstract Submission:	15.01.2024
Acceptance Notification:	25.01.2024
Registration deadline:	30.01.2024
Full paper:	15.02.2024

Registration

The authors presenting the papers and others who are interested to participate in the conference must register themselves before the last date of registration. Only the registered persons will be given the certificate. The registration fee for various categories is as follows:

Sr. No.	Delegates	Paper presentation only
1	Research Scholars	Rs. 750
2	Faculty/Scientist	Rs. 1500/-
3	Industry	Rs. 2500/-

Late registration fee of Rs. 500/- extra will be charged.

Mode of payment

The payment for the registration fees can be made via Net Banking to the account below:

Bank & Branch: Central Bank of India, Longowal

Beneficiary Name: AEMTA-2024

A/C No.: 5474900039

IFSC code: CBIN0283105, Branch code: 283105

Registration Form

<https://forms.gle/d7AnRc9GaHey5Gyo8>



National Conference on "Advanced and Emerging Materials for Technological Applications"

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

www.aemta2024.in

1. Name:
2. Status of delegates: Research scholar/Faculty/Scientist
3. Field of Specialization:.....
4. Name of Organization:.....
5. Mailing Address:.....
.....
6. E-mail:.....
7. Telephone No.:.....
8. Mode of Presentation: Online/Offline
9. Type of presentation: Oral/Poster
10. Accommodation required: Yes/No
11. I wish to participate in conference only: Yes/No
12. I wish to present and publish paper: Yes/No
13. Title of the Paper:.....
.....

Payment detail (Net banking)

Net Banking Ref. No.

Amount:

Date:.....

Signature



**National Conference on
Advanced & Emerging Materials for Technological Applications
(AEMTA - 2024)**

SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

(DEEMED-TO-BE-UNIVERSITY, UNDER THE MINISTRY OF EDUCATION, GOVT. OF INDIA)

(Longowal, Dist. - Sangrur - 148106(Punjab))

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Manoj Kumar Gupta from
S. D. College, Barnala has presented a paper titled

To Study the Effect of Magnetic Dipole - - - K, L and M shell Absorption

at National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA-2024) organized by Department of Physics, Mechanical Engineering, Electronics & Communication Engineering of SLIET Longowal in collaboration with IIT Jammu, NIT Delhi and IAHT Ludhiana held during March 15-16, 2024 at Sant Longowal Institute of Engineering and Technology, Longowal.

(Dr. Anil Kumar Singla)

Organizing Secretary, AEMTA-2024

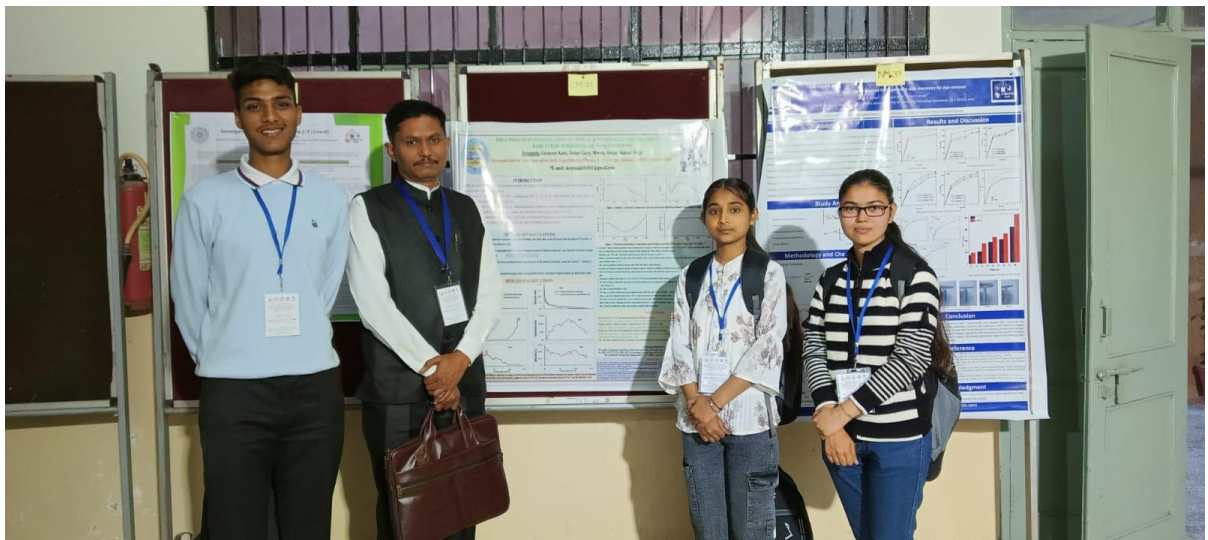
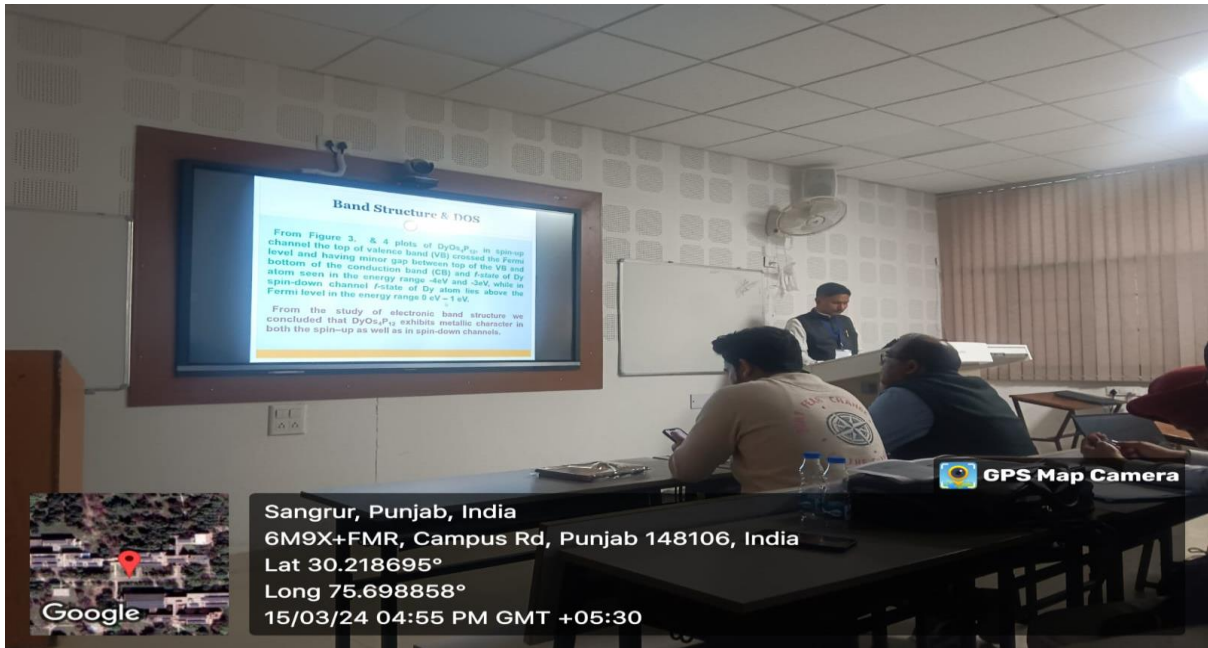
(Prof. M. M. Sinha)

Chairman, AEMTA-2024

National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA 2024) on 15-16 March 2024

Dr. Manoj Kumar Gupta, Dr. Sanjay Kumar Singh and four students (Tosha Garg, Shweta, Gurpreet Kaur and Deepmala) of S.D. College Barnala participated and presented their research work in the form of oral and poster presentation modes in two days National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA 2024) on 15-16 March 2024 organized by Department of Physics, Mechanical Engineering, Electronics, and Communication Engineering at SLIET Longowal, in collaboration with IIT Jammu, NIT Delhi, and IAHT Ludhiana. Dr Manoj Kumar Gupta gave oral presentation on “To Study the Effect of Magnetic Dipole on Atomic Parameters of Diamagnetic, Paramagnetic and Ferromagnetic Compounds at their K, L and M Shell Absorption Edge” , Dr Sanjay Kumar Singh et. al. gave proal presentation on “Density Functional Theory Based Study of Structural, Elasto-Mechanical and Electronic Properties of Dy-Filled Skutterudite DyOs₄P₁₂ using Full Potential Approach, “; “Ab-initio Study of Structural and Thermodynamic Properties of Rare Earth Metal alloy YbMg: Using DFT” and “First Principles Investigations of Optical and Thermoelectric Properties of Rare Earth Intermetallic NdMg Compound” .The Registration fee, Travel fare and Accommodation charges for Faculty and students were sponsored by Department of Biotechnology, Govt. Of India through DBT Star college scheme.





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Phone: 6239793053, 9781403550, 7256933483

Email: aemta2024@sliet.ac.in
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Prof. J S Dhillon, Dean (Acad), SLIET Longowal

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Dr. Vinay Sharma, AP (Biosci. & Bioengg.) IIT Jammu
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Dr. Anuj Bansal, AP (ME), SLIET Longowal
Dr. Sarbjeet Singh, AP(ECE), SLIET Longowal
Mr. Jonny Singla, AP (ME), SLIET Longowal

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Prof. S. Aravindan, IIT Delhi
Prof. Ashvani Kumar, N.I.T, Kuruksheetra
Prof. Hari Singh, N.I.T, Kuruksheetra
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National Conference on “Advanced and Emerging Materials for Technological Applications”

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

Organized by:

**Department of Physics, Mechanical
Engineering, Electronics and Communication
Engineering**

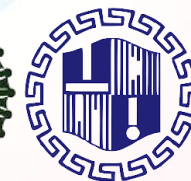


**Sant Longowal Institute of Engineering
and Technology, Longowal (Punjab)**
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in collaboration with



**I.A.H.T.
Ludhiana**



N.I.T. Delhi



I.I.T. Jammu

www.aemta2024.in

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- Energy Harvesting Materials
- Biomedical Materials
- Polymeric Materials
- Superconductivity and spintronic
- Sensors and Device Fabrications
- Microelectronics, Nano-electronics
- Nanotechnology & VLSI Design
- Communication & Networking
- Additive Manufacturing
- Sustainable Materials
- Surface Engineering
- Materials processing
- Food materials, Physics & applications
 - Materials for food formulation & processing

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- Select papers from the conference will be published by Springer as a proceedings book volume.
- Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.
- Springer Nature does not charge any money for publication of Non-Open Access content

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A/C No.: 5474900039

IFSC code: CBIN0283105, Branch code: 283105

Registration Form

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National Conference on "Advanced and Emerging Materials for Technological Applications"

(AEMTA-2024)

(HYBRID MODE)

(15-16 March, 2024)

www.aemta2024.in

1. Name:
2. Status of delegates: Research scholar/Faculty/Scientist
3. Field of Specialization:.....
4. Name of Organization:.....
5. Mailing Address:.....
.....
6. E-mail:.....
7. Telephone No.:.....
8. Mode of Presentation: Online/Offline
9. Type of presentation: Oral/Poster
10. Accommodation required: Yes/No
11. I wish to participate in conference only: Yes/No
12. I wish to present and publish paper: Yes/No
13. Title of the Paper:.....
.....

Payment detail (Net banking)

Net Banking Ref. No.

Amount:

Date:.....

Signature



National Conference on
Advanced & Emerging Materials for Technological Applications
(AEMTA - 2024)

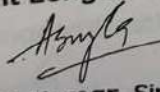
SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY
(DEEMED-TO-BE-UNIVERSITY, UNDER THE MINISTRY OF EDUCATION, GOVT. OF INDIA)
(Longowal, Distt. - Sangrur - 148106(Punjab))

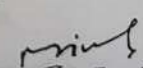
CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Sanjay Kumar Singh from
S. D. College, Barnala

has presented a paper titled
Density Functional Theory -- DyOs₉P₁₂ using Full Potential Approach

at National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA-2024) organized by Department of Physics, Mechanical Engineering, Electronics & Communication Engineering of SLIET Longowal in collaboration with IIT Jammu, NIT Delhi and IAHT Ludhiana held during March 15-16, 2024 at Sant Longowal Institute of Engineering and Technology, Longowal.

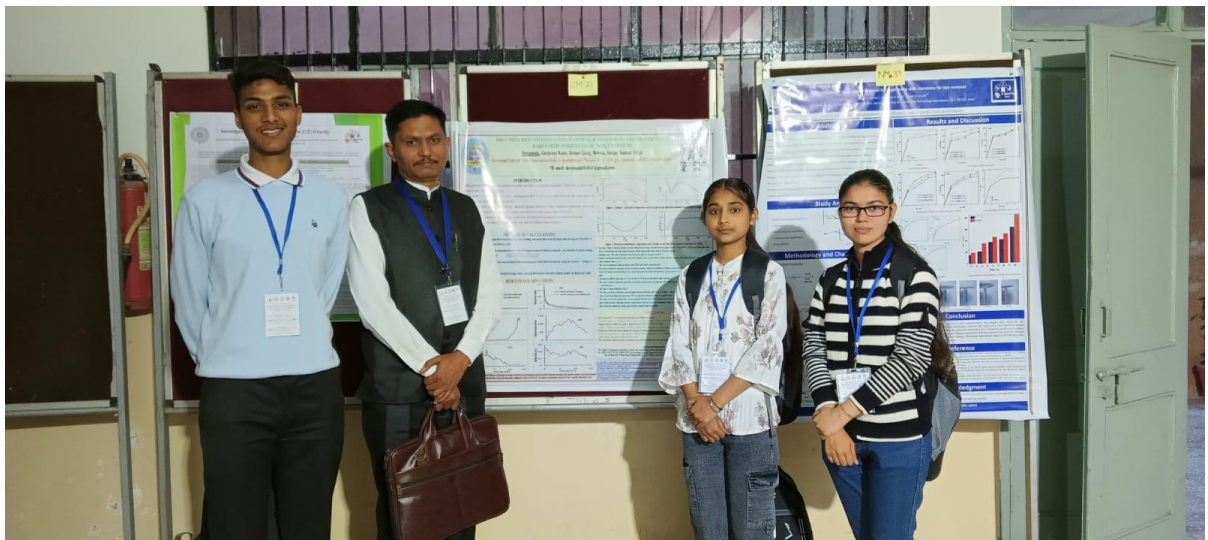
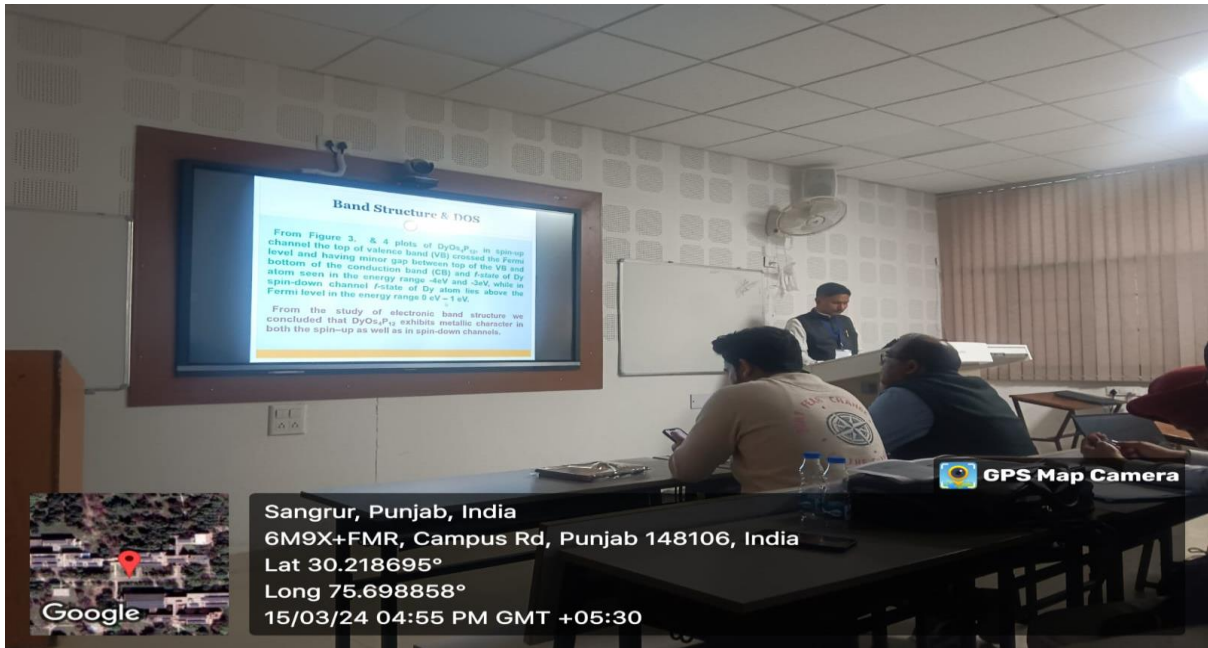

(Dr. Anil Kumar Singla)
Organizing Secretary, AEMTA-2024


(Prof. M. M. Sinha)
Chairman, AEMTA-2024

National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA 2024) on 15-16 March 2024

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PUNJABI UNIVERSITY PATIALA

Centre for E-Learning and Teaching Excellence

Presents Webinar On

GUIDELINES FOR GETTING FUNDING FOR PROJECTS FROM VARIOUS FUNDING AGENCIES



09 JUNE, 2023

2:00 PM TO 3:00 PM

Inaugural Address

**PROF. ARVIND
VICE CHANCELLOR,
PUNJABI UNIVERSITY
PATIALA**

Who Can Attend

Faculty/Educator/Policy makers of Universities and Colleges

SPEAKER



DR. ANANT RAM

Advisor, Higher Education and Research Promotion (HEARP),
New Delhi.

Pre Registration is compulsory. Scan or



visit at

<https://forms.gle/8JVi3Vya>

[yW6uAbJq7](https://forms.gle/yW6uAbJq7)



Cordial Invitation to attend this talk by clicking the link below

https://youtube.com/channel/UCcL-bhN7IgytVIIgpe0_4XA



E-certificates will be issued after the talk.



SCAN ME

Dr. Vishal Goyal

Director
9501096111

Dr. Gurpreet Josan

Coordinator
9914347847

Dr. Vikasdeep

Coordinator
9876076000



PUNJABI UNIVERSITY PATIALA

Centre for E-Learning and Teaching Excellence (CELTE)

Certificate of Participation

9th June, 2023

This is to certify that Dr./Mr./Ms. Amandeep Kaur, Assistant Professor In Computer Science, Sd College Barnala has attended webinar on “Guidelines For Getting Funding For Projects From Various Funding Agencies” organized at Punjabi University Patiala through Online Mode on 09-06-2023 from 02:00 PM to 03:00 PM.

Dr. Vishal Goyal
Director-CELTE

Dr. Gurpreet Singh Josan
Coordinator-CELTE

Dr. Vikasdeep
Coordinator-CELTE

Report

Event Details

Organizer: Punjabi University, Patiala

Topic: "Guidelines for Getting Funding for Projects from Various Funding Agencies"

Date: June 9, 2023

Time: 2:00 PM

Key Speaker: Dr. Anant Ram, Advisor, Higher Education and Research Promotion, New Delhi

Introduction

On June 9, 2023, Punjabi University, Patiala, hosted a pivotal webinar addressing the crucial topic of securing funding for research projects. The event, which commenced at 2:00 PM, aimed to provide participants with comprehensive insights into the intricate process of obtaining financial support from various funding agencies. This webinar was particularly significant given the competitive nature of research funding and the vital role it plays in advancing academic and scientific pursuits.

Webinar Content

Dr. Anant Ram delivered an in-depth presentation that elucidated the complete procedure for securing funds from various agencies. His talk was structured to provide a step-by-step guide, ensuring that participants gained a clear understanding of the entire process. The key points covered in the webinar included:

- **Identifying Relevant Funding Agencies:** Dr. Ram emphasized the importance of thoroughly researching and identifying funding agencies whose goals align with the proposed research projects.
- **Crafting Strong Research Proposals:** A significant portion of the webinar was dedicated to the art of writing compelling research proposals. Dr. Ram shared valuable insights on how to structure proposals, emphasize the novelty and potential impact of the research, and align with Agency Priorities: research proposals to match the priorities and interests

of the targeted funding agencies. He provided tips on how to research an agency's current focus areas and incorporate these elements into the proposal.

- **Obtaining Necessary Approvals:** Dr. Ram outlined the various approvals required in the funding process, both from the applicant's institution and the funding agencies.
- **Budget Planning and Justification:** The webinar covered the crucial aspect of creating realistic and justifiable budgets for research projects. Dr. Ram provided guidance on how to estimate costs accurately and present budget information in a manner that aligns with agency expectations.

(Ms. Amandeep Kaur)



UGC-Human Resource Development Centre University of Hyderabad



Programme Schedule for the Academic Year 2023-24

Tentative Programme Schedule for the Academic Year 2023 – 2024

FACULTY INDUCTION PROGRAMME (FIP)

Sl No.	Course	Dates	Eligibility
1	Faculty Induction Programme I	16 th August (Wednesday) to 14 th September (Thursday), 2023	Lecturers/Readers or Associate Professors from all disciplines
2	Faculty Induction Programme II	03 rd October (Tuesday) to 02 nd November (Thursday), 2023	Lecturers/Readers or Associate Professors from all disciplines
3	Faculty Induction Programme III	20 th November (Monday) to 19 th December (Tuesday), 2023	Lecturers/Readers or Associate Professors from all disciplines
4	Faculty Induction Programme IV	05 th February (Monday) to 05 th March (Tuesday), 2024	Lecturers/Readers or Associate Professors from all disciplines

REFRESHER COURSES (RC)

Sl No	Course	Dates	Eligibility
1	Refresher Course on Life Sciences (Offline)	31 st July (Monday) to 12 th August (Saturday), 2023	Lecturers/Readers or Associate Professors from Biology, Biochemistry, Biotechnology, Animal Sciences and Plant Sciences
2	Refresher Course in Social Sciences	31 st July (Monday) to 12 th August (Saturday), 2023	Lecturers/Readers or Associate Professors from Social Sciences (Quantitative Methods for History, Economics, Sociology, Anthropology, Law, Political Science, Psychology, Education, Commerce)
3	Refresher Course on Education and Education Technology	04 th September (Monday) to 16 th September (Saturday) 2023	Lecturers/Readers or Associate Professors from all disciplines
4	Refresher Course on Research Methodology	09 th October (Monday) to 21 st October (Saturday) 2023	Lecturers/Readers or Associate Professors from all disciplines of Social Sciences
5	Refresher Course on Commerce & Management	13 th November (Monday) to 25 th November (Saturday), 2023	Lecturers/Readers or Associate Professors from Commerce & Mgmt.
6	Refresher Course in English Language Studies	01 st January (Monday) to 13 th January (Saturday), 2024	Lecturers/Readers or Associate Professors from English Language
7	Refresher Course in Mathematics	29 th January (Monday) to 10 th February (Saturday), 2024	Lecturers/Readers or Associate Professors from Mathematics
8	Refresher Course in Chemistry (Offline)	29 th January (Monday) to 10 th February (Saturday), 2024	Lecturers/Readers or Associate Professors from Chemistry
9	Refresher Course in Experimental Physics (Offline)	19 th February (Monday) to 02 nd March (Saturday), 2024	Lecturers/Readers or Associate Professors from Physics

10	Refresher Course on Computational Social Sciences	04 th March (Monday) to 16 th March (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from Social Sciences(Quantitative Methods for History, Economics, Sociology, Anthropology, Law, Political Science, Psychology, Management Studies, Education, Commerce)
11	Refresher Course on Information and Communication Technology	04 th March (Monday) to 16 th March (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from all disciplines
12	Refresher Course on Biomedical sciences (Offline)	18 th March (Monday) to 30 th March (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from Biology, Biochemistry, Biotechnology, Animal Sciences and Plant Sciences
13	Refresher course on Hindi Sahitya aur Sanskrit	18 th March (Monday) to 30 th March (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from Hindi & Sanskrit

SHORT TERM PROGRAMME

Sl No	Course	Dates	Eligibility
1	National Education Policy: Challenges and Opportunities (Offline)	07 th August (Monday) to 12 th August (Saturday) 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
2	E-Content Development and MOOCs	21 st August(Monday) to 26 th August (Saturday) 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
3	Academic Writing	25 th September (Monday) to 30 th September (Saturday), 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
4	Gender Sensitization	30 th October (Monday) to 04 th November (Saturday), 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
5	Disaster Management	06 th November (Monday) to 11 th November (Saturday), 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
6	Leadership Development Programme	04 th December (Monday) to 09 th December (Saturday) 2023	Lecturers/Readers or Asst. and Associate Professors from all disciplines
7	Building Competencies of Teachers in Blending learning	29 th January (Monday) to 03 rd February (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from all disciplines
8	Teaching in Education Teaching and Learning process	12 th February (Monday) to 17 th February (Saturday) 2024	Lecturers/Readers or Asst. and Associate Professors from all disciplines

Note:-

1	These courses will be conducted in Online mode.
2	Some more courses to be conducted in future will be announced in due course.
3.	The Maximum number of participants will be 40 members only. Accommodation and the food will be provided for offline courses.
4.	Interested participants may apply online for the above mentioned courses by registering on https://forms.gle/6Y7RoAMywwyU4znn8 by paying registration fees.
5.	You are advised to take signature of the Principal/Head/Dean of the institute and send scan copy. Original form should be posted to the HRDC.

The registration fee for the courses is Rs.1000/- to be paid by online mode

Account Name : Director, HRDC
Bank Name : State Bank of India
Account Number : 10222816364
IFSC Code : SBIN0005916
Branch : HUC branch



Director, UGC-HRDC



MALAVIYA MISSION TEACHER TRAINING CENTRE

(formerly known as Human Resource Development Centre)

UNIVERSITY OF HYDERABAD



CERTIFICATE OF PARTICIPATION

This is to certify that Dr. Inderpreet Kaur, Assistant Professor in English, S.D. College, Barnala, affiliated to Punjabi University, Patiala has successfully completed two weeks online **Refresher Course in English Language Studies** organized by the Malaviya Mission Teacher Training Centre (formerly known as Human Resource Development Centre), University of Hyderabad from 01st to 13th January, 2024 and obtained grade 'A'.

Jasti Appa Swamy

Dr. Jasti Appa Swamy
Course Coordinator

Prof. P. Prakash Babu
Director

Certificate ID: MMTTC23RCELS39

**Grade 'A+'
85% and above**

**Grade 'A'
84% to 70%**

**Grade 'B'
69% to 60%**

**Grade 'C'
59% to 50%**

**Grade 'F'
less than 49%**

Report

Refresher Course in English Language Studies

The University of Hyderabad conducted a refresher course in English Language Studies from January 1 to January 13, 2024, aimed at enhancing the skills of educators and researchers. The program featured a series of lectures and workshops on contemporary teaching methodologies, linguistic theory, language acquisition, and digital tools for language education, led by distinguished scholars. With over 50 participants from various institutions, the course fostered networking and collaborative learning.

KURUKSHETRA

Kurukshetra is popularly known for its historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna delivered the divine message as enshrined in the holy book "Shrimad Bhagwad Gita". It is also known as DHARAMKSHETRA and it attracts devotees from all corners of world all round the year. Kurukshetra is very well connected by Rail, Delhi- Ambala section, by Road (NH1, connecting Delhi- Chandigarh- Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand located on NH1 and about 4 km from Kurukshetra railway station.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA and MCA and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT, NIT Kurukshetra

The branch of Electronics and Communication Engineering was started in the year 1971 under the aegis of Electrical Engineering Department. The "Department of Electronics and Communication Engineering" came into existence in the year 1973. In 1987, Computer Engineering branch was also started and the department was renamed as "Electronics, Communication and Computer Engineering". In 2003, the department was again renamed as "Electronics and Communication Engineering" because of inception of "Computer Engineering Department" separately. The department started M.Tech. program in ECE and VLSI design in the year of 1987 and 2007, respectively. Presently, M.Tech. (VLSI Design) is being offered by the School of VLSI Design and Embedded Systems independently.

PATRON

Prof. B.V. Ramana Reddy
Director, NIT Kurukshetra

CONVENER

Dr. T. N. Sasamal
Assistant Professor, ECED
NIT Kurukshetra

COURSE COORDINATORS

Dr Pankaj Verma and Dr. Chhagan Charan
Assistant Professor, ECED, NIT Kurukshetra

IMPORTANT DATES

- ❑ Last date for submission of filled Registration Form: **20th December, 2023**
- ❑ Confirmation to the participants (on website or by email): on or before **25th December, 2023**

Address for Correspondence:

Dr. T.N. Sasamal
Convener RMSRL-2024
ECE Department, NIT Kurukshetra –
136119, Haryana, India

Email: tnsasamal.ece@nitkkr.ac.in
Phone: +918950333079



Online Self-Financed Short-Term Training Program On

Research Methodologies and Scientific Research Writing using LaTeX

(RMSRL-2024)

(04th -08th January 2024)



Organized by

Department of Electronics & Communication Engineering
National Institute of Technology Kurukshetra
Kurukshetra-136119, Haryana, India

**Department of Electronics and Communication Engineering
National Institute of Technology Kurukshetra**



Certificate of Participation

This is to certify that

Baltej Singh

of *S.D. College, Barnala*

has participated in the Short Term Training Programme on “*Research Methodologies and Scientific Research Writing using LaTeX*” held from *04th to 08th January 2024* through online mode by *National Institute of Technology Kurukshetra*.

Dr. T. N. Sasamal
Programme Convener

Prof. Karan Sharma
HOD, ECE

Dr. Chhagan Charan
Programme Coordinator

STTP on Research Methodologies and Scientific Research Writing using LaTeX (RMSRL-2024)

Dr. Baltej Singh, Department of Physics, S.D. College Barnala participated in a Five-day Virtual STTP on “Research Methodologies and Scientific Research Writing using LaTeX (RMSRL-2024)” organized by the Electrical and Electronics Engineering Department, NIT Kurukshetra. The theme of this STTP was designed to nurture more exposures towards worldwide research orientations. And therefore, this STTP was planned to look into the best practices followed by top universities as well as by our experienced Indian expatriates who are working in such renowned overseas universities. LaTeX is a Software that is often used in the field of research internationally. This is a web based software and most preferred because the document output quality improves exponentially. 2. The STTP on LaTeX Software provides hands-on training through skill development about word processing to participants. In this program, renowned resource persons from Indian as well as overseas universities gave practical hands on training on how do the Latex Software works for Manuscript and project work writing like inserting codes for abstract preparation, author details, introduction, references, figures etc. The STTP was ended with a feedback session and valedictory ceremony. In the feedback participants have expressed their interest and willingness in arranging more programmes of this kind.



Indian Council of Social Science Research

North Western Regional Centre

Sponsored

International Seminar

On

**Sustainable
Development in India:
Strategies and way ahead**



27th Feb., 2024

Venue: **Mini Auditorium**

Organised by:

**GOSWAMI GANESH DUTTA
SANATAN DHARMA COLLEGE
CHANDIGARH**

ABOUT THE COLLEGE

Established in 1973, the college is named after the immortal luminary Goswami Ganesh Dutta. It is a postgraduate multidisciplinary co-educational institute guided by a commitment to educate in classroom and beyond. The college is honoured with potential for excellence by UGC, New Delhi and has been awarded A+ Grade by NAAC. It has also been selected under the 'Star College Scheme' by DBT, New Delhi and FIST programme by Government of India, New Delhi. It is firmly grounded on the bricks of principles and values proudly telling the world about its very character in its motto, "Firm in faith and broad in mind".



PG Departments of Commerce, Management & Economics

Star Departments by UGC under 'College with Potential for Excellence' Scheme offer Ph.D Programme (Commerce), PG Degree Courses (M.Com-Accounting & Finance, M.Com-Entrepreneurship & Family Business, MA Economics), PG Diploma Courses in Marketing Management, Personnel and Industrial Relations; and UG Programmes (B.Com, BBA, BA and B.Voc.) having strength of more than 5000 students from different parts of the country. The faculty enriches teaching-learning through ICT, educational trips, workshops, and seminars etc., encouraging teamwork and leadership qualities. The esteemed faculty of the department excels in teaching and research.

ABOUT THE SEMINAR

Sustainable development with its aim to strike a balance between economic, social and environmental aspects through responsible resource management and inclusive growth, has emerged as a global imperative.

Environmental degradation and resource depletion are posing complex challenges for the world. India also stands at a critical juncture in its pursuit of sustainable development. Our resources are under stress due to population growth and economic development. Vast array of our ecosystems need to be protected from pollution and deforestation. Social and economic inequalities need to be addressed by ensuring food security, access to affordable health care, gender equality and reduction in poverty.

Considering the need for concerted efforts required for achieving Sustainable Development; this national seminar aims to provide a platform for academic discourse on policies and conventions to accelerate sustainable practices in different sectors of the country.

The path to sustainable development in India is full of challenges. Regional disparities, lack of resources, inadequate basic amenities and absence of stakeholder integration are few major challenges.



The seminar will provide a critical platform for interaction among professionals, academicians, policy makers and experts to deliberate on the intricacies surrounding sustainable development in India and devise effective strategies to overcome the challenges.

SUB-THEMES

- Sustainable Development Trends in India
- Sustainable development Goals
- Transition to a Green Economy
- Sustainable energy sector development in India: Growth and future prospects
- Environmental ethics
- Sustainable cities and communities
- Emerging policy initiatives for sustainable development
- Policies on financing sustainable development
- Future of Green Jobs in India
- Corporate Governance
- Corporate Social Responsibility and its role in sustainability
- Responsible investing
- Technology and Sustainability
- Rural and urban Poverty Eradication for sustainable development
- Inclusive growth
- Food security and sustainable agriculture
- Gender equality and its role in sustainable development
- Social well being and sustainability

CALL FOR PAPERS

We invite original unpublished research papers that address the theme of the National Seminar. All submitted papers will undergo a review process to ensure the quality and their relevance to the theme of the Seminar. Accepted and presented papers will be published with ISBN.

SUBMISSION GUIDELINES

- The abstract should not exceed 300 words. The abstract should cover the title of paper, full name of the author, name of the institution, department, e-mail id and contact number. The last date for submission of abstracts is 5th February, 2024.
- The complete paper should be sent by 15th Feb., 2024.
- The final paper should not be more than 5000 words. It should be submitted in MS Word using Times New Roman, Font size 12 and typed in 1.5 line space in accordance with the APA format.
- The abstract and full paper should be sent by email to seminar@ggdsd.ac.in

Registration

- Registration can be done online at the following link:
<https://forms.gle/hZunRmyc9rtSU4zw7>
- On the spot registration will be done from 8:30 am to 9:30 am on the day of the seminar.

Registration Fee

for delegates

₹500/-

Registration Fee

for research scholars/ students

₹250/-

For Registration and further enquiry contact:

seminar@ggdsd.ac.in

Contact Number : 8837570975

PAYMENT MODE : NEFT, RTGS, DRAFT

A/C No: 1789212535, IFSC Code: CBIN0283198

Account Name: Principal, GGSD College, Chandigarh

Chief Patrons

- **Ms. Vaishali Sharma**, President, GGSD College Society
- **Dr. Siddharth Sharma**, Vice-President, GGSD College Society
- **Prof. Anirudh Joshi**, General Secretary, GGSD College Society
- **Sh. Jatinder Bhatia**, Finance Secretary, GGSD College Society
- **Dr. P.K. Bajaj**, General Secretary, GGSD College Society
- **Dr. S.C. Vaidya**, General Secretary, GGSD College Society
- **Prof. S.K. Sharma**, General Secretary, GGSD College Society

Patron

- **Dr. Ajay Sharma**, Principal, GGSD College, Chandigarh

Seminar Convenors

- **Dr. Rajiv Behl**, HoD, Commerce
- **Dr. Vivek Sharma**, HoD, Economics, Dean Arts
- **Dr. Meru Sehgal**, Dean Commerce

Organizing Secretary

- **Dr. Ruchi Sharma**

Organizing Committee

- **Dr. Monica Sachdeva**
- **Dr. Sumeet Kaur**
- **Dr. Shallu Sharma**
- **Ms. Preeti Vohra**
- **Dr. Arvuda Mehta**
- **Mr. Himanshu Lambra**

Editorial Committee

- **Dr. Kapil Dev**
- **Dr. Mani Parti**
- **Ms. Shipra Bansal**

Important Dates

Last Date for Submission of Abstracts

5th February, 2024

Abstract Length: 300 words

Last Date for Submission of Papers

15th February, 2024

Send your abstracts and papers on:

seminar@ggdsd.ac.in

Contact No.+91-8837570975

Inaugural Session

Timing : 10:30 am to 12:00 noon, Venue : Mini Auditorium

Chief Guest	Dr. Renu Vig Vice-Chancellor, Panjab University, Chandigarh
Guest of Honour	Prof. Adarsh Vig, Chairman Punjab Pollution Control Board, Patiala Prof. Sanjay Kaushik DCDC, P.U. Chandigarh
Key Speakers	Prof. Barbara Mróz-Gorgoń Faculty of Management, Wroclaw University of Business & Economics, Poland
	Mr. Giacomo Mengucci Professor, University of Fraser Valley, British Columbia

Technical Session-I

Timing : 12:00 noon to 1:00 pm, Venue : Mini Auditorium

Panel Discussion	Prof. Gagan Deep Sharma Dean, Indraprastha University New Delhi
	Prof. Dipanker Sharma HPKV Business School, Central University of Dharmshala
	Dr. Divya Mahajan University Business School, GNDU Amritsar
	Dr. Nitin Kumar Arora Dept. of Economics, Punjab University, Chandigarh
LUNCH	1.00 pm to 2:00 pm

Technical Session-II

Timing : 2:00 pm to 3:30 pm, Venue : Conference Hall, Adjoining Principal's Office

Chair	Dr. Smita Sharma Department of Economics, Panjab University Chandigarh
Co-Chair	Dr. Karun Kant Uppal KL SD College, Ludhiana

Technical Session-III

Timing : 2:00 pm to 3:30 pm, Venue : Conference Hall, Basement, Administrative Block

Chair	Prof. Dipanker Sharma HPKV Business School, Central University of Dharmshala
Co-Chair	Dr. Lucky Sharma RR Bawa DAV College Batala

Valedictory Session

Timing : 3:30 pm to 4:30 pm, Venue : Mini Auditorium

Valedictory Address	Prof. R.K. Gupta Vice-Chancellor, Maharaja Agrasen University Baddi, Himachal Pradesh
Guest of Honour	Dr. Amrita Shergill Chairperson, Department of Economics, Panjab University, Chandigarh

Hi-Tea

Timing : 4:30 pm to 5:00 pm, Venue : Mini Auditorium



Goswami Ganesh Dutta Sanatan Dharma College

SECTOR 32-C, CHANDIGARH
NAAC Accredited with Grade A+

ICSSR Sponsored
International Seminar

on
Sustainable Development in India :
Strategies and Way Ahead

27th February, 2024

Certificate

This is to certify that Mr./Ms./Dr. *✓* *Somia Goyal*, *Research Scholar*..... of
SD College Barmala..... has participated/presented
a paper titled *Consumer Attitude towards Beauty Products - A Systematic Literature review*
in the International Seminar jointly organized by the PG Department of Commerce,
Management and Economics, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh.

Ruchi
Dr. Ruchi Sharma
Organizing Secretary

Ajay Sharma
Dr. Ajay Sharma
Principal



Indian Council of Social Science Research
North Western Regional Centre, Chandigarh
Ministry of Human Research Development
(Govt. of India)

REPORT

This international conference was about sustainable development to strike a balance between economic, social and environmental aspects through responsible resource management and inclusive growth which has emerged as a global imperative. Our resources are under stress due to population growth and economic development. Social and economic inequalities must be addressed by ensuring food security provides affordable healthcare, generic quality and deduction in poverty. This International conference gives us a broad idea about the same.

IMPORTANT DATES

Last date for Submission
of Abstracts

FEB
20
2024

Acceptance Notification

FEB
25
2024

ORGANIZING COMMITTEE

Chief Patron

Arya Rattan Dr. Punam Suri
(Padma Shree Awardee)
President, DAVCMC, New Delhi

Conference Director

Dr. Rajeev Kr. Sharma, Principal,
DAV College, Bathinda

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Ms. Meetu S. Wadhwa, Dept. of Chemistry
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Dr. Amandeep Kaur Dept. of Zoology
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Dr. Neha Jindal,
Dept. of Chemistry

Coordinators

Dr. Paramjeet Kaur, Dept. of Chemistry
Ms. Harpreet Kaur, Dept. of Physics
Dr. Vikas Duggal, Dept. of Physics
Dr. Ranjeet Singh, Dept. of Botany
Dr. Amandeep Kaur, Dept. of Zoology

Technical Support

Dr. Vikas Duggal, Dept. of Physics
Dr. Ranjeet Singh, Dept. of Botany
Mr. Amrinder Singh, Dept. of Chemistry
Mr. Pawan Kumar, Dept. of Chemistry

For any queries, Please Contact

Dr. Neha Jindal, Dept. of Chemistry(94638-88098)
Dr. Paramjeet Kaur, Dept. of Chemistry (94645-11344)
Ms. Harpreet Kaur, Dept. of Physics(88720-01164)
Dr. Ranjeet Singh, Dept. of Botany(97806-22530)
Dr. Amandeep Kaur, Dept. of Zoology(84376-4906)



DBT-Sponsored NATIONAL CONFERENCE

on

*Emerging Trends in Science and Technology
for Sustainable Development*

02 March, 2024



Organized by :

DAV COLLEGE, BATHINDA

Bibi Wala Road, BATHINDA-151001 (Punjab)

🌐 : www.davbathinda.edu.in
✉ : davc001@yahoo.com
f : www.facebook.com/dav_college_bathinda

ABOUT COLLEGE

D.A.V. College Bathinda's foundation was laid in July 1969. It functions under the aegis of DAV College Managing Committee, New Delhi, an all India organization successfully running more than 900 educational institutions throughout the country, with its headquarters located at New Delhi. DAV College Managing Committee (DAV CMC) has emerged as the largest non-governmental organization in the field of education in India today, under the stewardship of a galaxy of lumaries from diverse fields. At present Padma Shree Awardee Arya Rattan (Dr.) Punam Suri, a man of extraordinary futuristic vision, heads this prestigious movement. He has blazed a trail by catering to varied sections of society and ensuring highly qualified and skilled work force and state-of-art infrastructure in the educational institutions managed by DAVCMC.

VISION

To impart education that will groom students to become responsible global citizens, while retaining their Vedic values, Indian philosophy and ethos. We aim at turning our institution into a hub of intellectual activism and are committed to promote an array of accessible, affordable, responsive and high quality education totally in gear with needs of the challenging world.

OBJECTIVES OF THE CONFERENCE

- ❖ To facilitate interaction between researchers working in the fields of development and application of sciences.
- ❖ To exchange expertise with researchers, seek cooperation opportunities locally and internationally, and to be up-to-date on the latest technologies and scientific progress in preparing, characterizing and using available and recently invented materials.
- ❖ To create opportunities for the next generation workforce to develop their professional skills.
- ❖ To sensitize and incline young minds towards application based research.

THEMES

- Nanomaterials and Nanocomposites
- Environmental Chemistry
- Radiations-Detection, Measurement and Protection
- Pharmaceutical and Medicinal Chemistry
- Alternative Fuels
- Nanotechnology
- Solid State Physics
- Magnetic and Optical Materials
- Plasma Physics
- Electronics
- Biodiversity Conservation
- Animal and Plant Ecology
- Animal and Plant Biochemistry
- Environment Protection, Management and Legislation
- Soil Science and Agriculture Research
- Bio-Technology

FORMAT FOR ABSTRACT & POSTER

Abstracts should carry the title of the paper (in CAPS), names and affiliations of the authors (in italics). The name of the person presenting the paper/poster should be underlined. The abstract should not exceed 250 words in Times New Roman font size 12 with 1.5 spacing. A display space of 36"×48" will be provided for mounting the poster.

REGISTRATION

All the participants can register themselves using google link <https://forms.gle/tX6ds7QRYz1XJmACA> or scan QR code

BANK DETAILS :

Bank : Punjab National Bank
Name : Principal DAV College, Bathinda
A/c No. : 3468010100004670
IFSC : PUNB 0618300



FEE DETAILS

Category	Before 26 Feb. 2024	After 26 Feb. 2024 /On the Spot
Student	Free	Free
Research Scholars	INR 250	INR 400
Academia/R&D Industry	INR 500	INR 700

GETTING HERE :

By Air : Bathinda is connected by Air via Chandigarh and via Amritsar. There are many flights from Mumbai and New Delhi to Chandigarh.

By Road : From Chandigarh, one can reach Bathinda, via Patiala, Sangrur, Handiyaya. It takes about 4 hours from Chandigarh.

By Rail : From New Delhi, there are a number of trains to Bathinda



D.A.V. COLLEGE, BATHINDA

(Managed by DAVCMC, New Delhi & Affiliated to Punjabi University Patiala)



DBT Sponsored NATIONAL CONFERENCE

on

EMERGING TRENDS IN SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

March 02, 2024

This is to certify that Dr./Mr./Ms. Baltej Singh of SD College
Barnala has participated in DBT sponsored NATIONAL CONFERENCE on
"Emerging Trends in Science and Technology for Sustainable Development" and presented a paper/poster titled
Study of Photon attenuation parameters of flyash-lime-gypsum
samples in the energy range of 15 keV to 15 MeV.

Xelha Tindal
Convenor

H. S. S. S.
Organising Secretary

Rajni
Principal

National Conference on Emerging Trends in Science and Technology for Sustainable Development on 2 March 2024

Dr. Baltej Singh, HOD, Physics along with three students Mehakdeep Kaur and Aanchal Rani of B.Sc-III and Preeti of B.Sc-II of Department of Physics, S. D. College Barnala participated in DBT sponsored national Conference on Emerging Trends in Science and Technology for Sustainable Development on 2 March 2024 at DAV College Bathinda. The conference was organized on the pertinent issues of sustainable development in harmony with science and technology with special focus on practical applications of waste management, water conservation and green infrastructures. Our students under the guidance of Dr. Baltej Singh, presented their research work in the form of poster presentation titled “Study of Photon Attenuation Parameters of Flyash-Lime Gypsum samples in the energy range of 15keV to 15MeV”. Students got best poster prize in poster presentation. Conference registration fee and travel expenditure was funded by Department of Biotechnology, Govt. Of India through DBT Star college scheme.





D.A.V. COLLEGE, BATHINDA

(Managed by DAVCMC, New Delhi & Affiliated to Punjabi University Patiala)



DBT Sponsored NATIONAL CONFERENCE

on

EMERGING TRENDS IN SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

March 02, 2024

This is to certify that [✓]Dr./Mr./Ms. Manish Kumar of SD College Barnala
has participated in DBT sponsored NATIONAL CONFERENCE on
"Emerging Trends in Science and Technology for Sustainable Development" and presented a paper/poster [✓]titled
Bioactive potential of Cymbopogon Citratus : A Review

Alcha Sindal
Convenor

Shubhej
Organising Secretary

Ram
Principal

IMPORTANT DATES

Last date for Submission
of Abstracts

FEB
20
2024

Acceptance Notification

FEB
25
2024

ORGANIZING COMMITTEE

Chief Patron

Arya Rattan Dr. Punam Suri
(Padma Shree Awardee)
President, DAVCMC, New Delhi

Conference Director

Dr. Rajeev Kr. Sharma, Principal,
DAV College, Bathinda

Organizing Secretaries

Dr. Gurpreet Singh, Dept. of Physics
Ms. Meetu S. Wadhwa, Dept. of Chemistry
Mr. Aman Malhotra, Dept. of Chemistry
Dr. Parveen Bala, Dept. of Chemistry
Dr. Kulwinder Singh Mann, Dept. of Physics
Dr. Kriti Gupta, Dept. of Botany
Dr. Amar Santosh Singh, Dept. of Zoology

Treasurer

Dr. Parveen Bala, Dept. of Chemistry
Dr. Amandeep Kaur Dept. of Zoology
Ms. Monika Rani, Dept. of Chemistry
Ms. Anshu, Dept. of Chemistry
Ms. Eshu, Dept. of Chemistry

Patron

Sh. Shiv Raman Gaur
Director Higher Education,
DAVCMC, New Delhi

Convenor

Dr. Neha Jindal,
Dept. of Chemistry

Coordinators

Dr. Paramjeet Kaur, Dept. of Chemistry
Ms. Harpreet Kaur, Dept. of Physics
Dr. Vikas Duggal, Dept. of Physics
Dr. Ranjeet Singh, Dept. of Botany
Dr. Amandeep Kaur, Dept. of Zoology

Technical Support

Dr. Vikas Duggal, Dept. of Physics
Dr. Ranjeet Singh, Dept. of Botany
Mr. Amrinder Singh, Dept. of Chemistry
Mr. Pawan Kumar, Dept. of Chemistry

For any queries, Please Contact

Dr. Neha Jindal, Dept. of Chemistry(94638-88098)
Dr. Paramjeet Kaur, Dept. of Chemistry (94645-11344)
Ms. Harpreet Kaur, Dept. of Physics(88720-01164)
Dr. Ranjeet Singh, Dept. of Botany(97806-22530)
Dr. Amandeep Kaur, Dept. of Zoology(84376-4906)



DBT-Sponsored NATIONAL CONFERENCE

on

*Emerging Trends in Science and Technology
for Sustainable Development*

02 March, 2024



Organized by :

DAV COLLEGE, BATHINDA

Bibi Wala Road, BATHINDA-151001 (Punjab)

🌐 : www.davbathinda.edu.in
✉ : davc001@yahoo.com
f : www.facebook.com/dav_college_bathinda

ABOUT COLLEGE

D.A.V. College Bathinda's foundation was laid in July 1969. It functions under the aegis of DAV College Managing Committee, New Delhi, an all India organization successfully running more than 900 educational institutions throughout the country, with its headquarters located at New Delhi. DAV College Managing Committee (DAV CMC) has emerged as the largest non-governmental organization in the field of education in India today, under the stewardship of a galaxy of lumaries from diverse fields. At present Padma Shree Awardee Arya Rattan (Dr.) Punam Suri, a man of extraordinary futuristic vision, heads this prestigious movement. He has blazed a trail by catering to varied sections of society and ensuring highly qualified and skilled work force and state-of-art infrastructure in the educational institutions managed by DAVCMC.

VISION

To impart education that will groom students to become responsible global citizens, while retaining their Vedic values, Indian philosophy and ethos. We aim at turning our institution into a hub of intellectual activism and are committed to promote an array of accessible, affordable, responsive and high quality education totally in gear with needs of the challenging world.

OBJECTIVES OF THE CONFERENCE

- ❖ To facilitate interaction between researchers working in the fields of development and application of sciences.
- ❖ To exchange expertise with researchers, seek cooperation opportunities locally and internationally, and to be up-to-date on the latest technologies and scientific progress in preparing, characterizing and using available and recently invented materials.
- ❖ To create opportunities for the next generation workforce to develop their professional skills.
- ❖ To sensitize and incline young minds towards application based research.

THEMES

- Nanomaterials and Nanocomposites
- Environmental Chemistry
- Radiations-Detection, Measurement and Protection
- Pharmaceutical and Medicinal Chemistry
- Alternative Fuels
- Nanotechnology
- Solid State Physics
- Magnetic and Optical Materials
- Plasma Physics
- Electronics
- Biodiversity Conservation
- Animal and Plant Ecology
- Animal and Plant Biochemistry
- Environment Protection, Management and Legislation
- Soil Science and Agriculture Research
- Bio-Technology

FORMAT FOR ABSTRACT & POSTER

Abstracts should carry the title of the paper (in CAPS), names and affiliations of the authors (in italics). The name of the person presenting the paper/poster should be underlined. The abstract should not exceed 250 words in Times New Roman font size 12 with 1.5 spacing. A display space of 36"×48" will be provided for mounting the poster.

REGISTRATION

All the participants can register themselves using google link <https://forms.gle/tX6ds7QRYz1XJmACA> or scan QR code

BANK DETAILS :

Bank : Punjab National Bank
Name : Principal DAV College, Bathinda
A/c No. : 3468010100004670
IFSC : PUNB 0618300



FEE DETAILS

Category	Before 26 Feb. 2024	After 26 Feb. 2024 /On the Spot
Student	Free	Free
Research Scholars	INR 250	INR 400
Academia/R&D Industry	INR 500	INR 700

GETTING HERE :

By Air : Bathinda is connected by Air via Chandigarh and via Amritsar. There are many flights from Mumbai and New Delhi to Chandigarh.

By Road : From Chandigarh, one can reach Bathinda, via Patiala, Sangrur, Handiyaya. It takes about 4 hours from Chandigarh.

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National Seminar Held at DAV College Bathinda on 2nd March, 2024

On 2nd March, 2024, six students (2 of B.Sc. Medical II and 4 students of B.Sc. III) along with faculty members (Dr. Manish Kumar & Dr. Amardeep Kaur) attended National Conference "Emerging Trends in Science & Technology for Sustainable Development" being organised by DAV College Bathinda. During the conference students attended various lecture sessions and interacted with researchers and academicians of various fields. Students also presented their research work in the form of posters and got an appreciation award for their work in the student category. Overall, this conference proved to be a good opportunity for students as they get exposure and experience to interact with eminent personalities of scientific fields.



Bathinda, Punjab, India
9, Bibi Wala Rd, Bathinda, Bathinda, Punjab 151001, India
Lat 30.217303°
Long 74.950936°
02/03/24 01:50 PM GMT +05:30

IMPORTANT DATES

Last date for Submission
of Abstracts

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Acceptance Notification

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DBT Sponsored NATIONAL CONFERENCE

on

EMERGING TRENDS IN SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

March 02, 2024

This is to certify that [✓]Dr./Mr./Ms. Amandeep Kaur of S:D College
Barnala has participated in DBT sponsored NATIONAL CONFERENCE on
 "Emerging Trends in Science and Technology for Sustainable Development" and presented a paper/poster [✓]titled
Evaluation of Anthelmintic ----- Aqueous
Extracts

Hele Sudeh
 Convenor

Ram Singh
 Organising Secretary

Raj
 Principal

National Seminar Held at DAV College Bathinda on 2nd March, 2024

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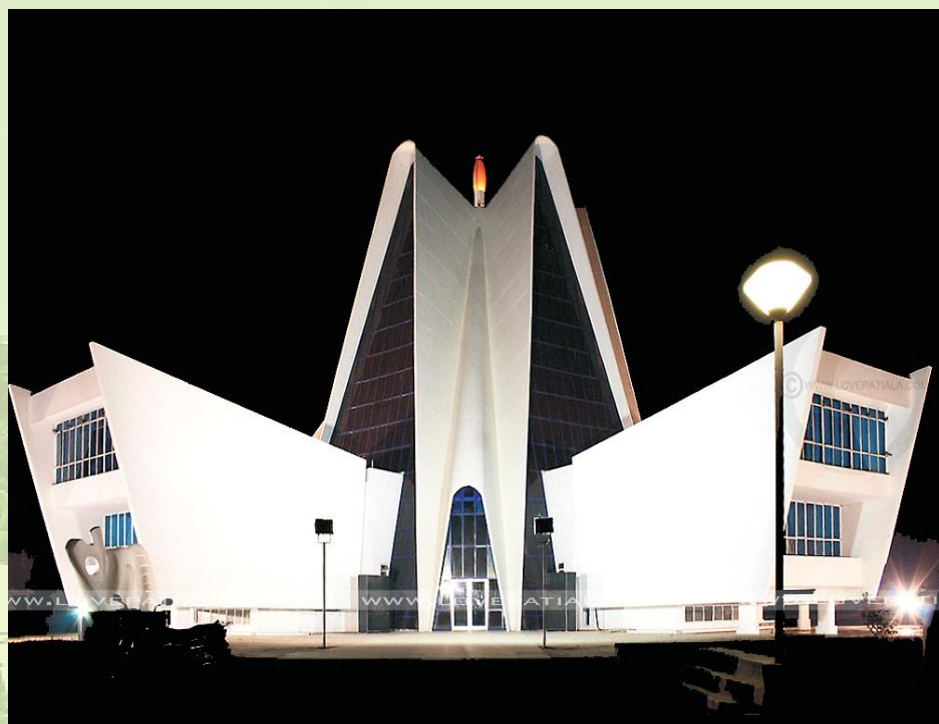
***Conference rescheduled to March 6-7, 2024. Abstract submission deadline extended to February 29, 2024**

14th NATIONAL CONFERENCE

on

Chemistry For The Sustainable Future (CSF- 2024)

***February 22-23, 2024**



(Established Under Punjab Act No. 35 of 1961)

DEPARTMENT OF CHEMISTRY

Punjabi University, Patiala - 147 002 (Punjab)

UGC: SAP (DRS - II) Assisted Department

INVITATION

The organizing committee cordially invite you and your colleagues to participate in the deliberations of the 14th National Conference on "Chemistry For Sustainable Future" (CSF- 2024) to be held during February 22-23, 2024, at the Department of Chemistry, Punjabi University, Patiala.

INSTITUTION

The Punjabi University, accredited as 'A+ grade' by NAAC, located in the erstwhile princely city of Patiala, in the southeast of Punjab, was established on April 30, 1962. After the Hebrew University of Israel, this is the only university named after a language. In addition to its primary objective of developing and promoting the Punjabi language and culture, the University fulfils the educational and social requirements of the people of Punjab and nearby states. Keeping pace with the developments in the educational field worldwide, the university has evolved as a multi-faceted and multi-faculty educational institution with over eighty-five Teaching and Research Departments.

The Department of Chemistry is one of the first three Departments which started functioning with the inception of Punjabi University in 1963. Initially, the Department started functioning with courses specializing in Organic, Inorganic and Physical Chemistry. In the later stages, Analytical and Biochemistry specializations were also introduced. In 1974, M.Sc. in Forensic Science was also added to the list of courses run by the Department. The Biochemistry specialization and Forensic Science section have now developed into full-fledged and independent Departments of Biotechnology and Forensic Science, respectively. The Ministry of Environment, Government of India, has recognized the Department of Chemistry as the centre for pollution control and environmental analysis. Currently, the Department offers **Multi Disciplinary Five Years (B.Sc.-M.Sc.) Integrated Programme in Physical & Chemical Sciences (Chemistry Major) and M.Sc. (Honors) Chemistry-2 Years with Specialization in Organic, Inorganic & Physical Chemistry**. The Department has been awarded SAP DRS-II (2014-2019) and FIST (2009-2014) assistance by UGC, New Delhi and DST, New Delhi, respectively. The Department has well-established instrumentation labs equipped with GC-MS, CHNS Analyzer, UV-Visible, UV-Visible Spectro Fluorimeter, FTIR, TGA-DTA, HPLC and Flash Chromatography systems. Apart from teaching assignments the faculty of the Department is engaged in many Government and Industry sponsored major research projects.

PATIALA

Patiala, the princely city of Punjab, is a resplendent tapestry of Rajput, Mughal, and Punjabi culture, seamlessly blending modernity with tradition. Founded by Baba Ala Singh approximately two centuries ago, Patiala is renowned as the "City of Gardens." It boasts a thriving educational landscape, encompassing institutions like TIET, Rajiv Gandhi National university of Law, Government Medical College, Jagat Guru Nanak Dev Open State University, The Maharaja Bhupinder Singh Punjab Sports University, State College of Education, Physical College of Education, Vikram College of Commerce and a multitude of Science and Arts Colleges. Additionally, Patiala is home to the National Institute of Sports and a treasure trove of historical and religious landmarks, including Baradari Gardens, Kali Mata Mandir, and Gurudwara Shri Dukhniwaran Sahib. Situated approximately 250 kilometers from Delhi, 50 kilometers from Ambala Cantt, and 70 kilometers from Chandigarh, Patiala

enjoys excellent connectivity by road and rail to all parts of India. With temperatures ranging from 15° to 20° Celsius in February, participants are advised to pack warm clothing.

ABOUT THE CONFERENCE

This is the 14th National Conference organized by the Department of Chemistry, Punjabi University, Patiala. This esteemed gathering aims to ignite the minds of young scientists and scholars, empowering them to contribute to the development of sustainable chemical practices, which aligns with India's commitment to a greener future under **National mission for Green India (GIM)**. This conference will provide a scientific forum where chemist can exchange their ideas. Through in-depth discussions and collaborative efforts, the conference will explore the new frontiers of chemistry, with a focus on

- Sustainable synthesis and reaction pathways.
- Solution thermodynamics, Electrochemistry and Chemical Kinetics.
- Advanced materials for renewable energy applications.
- Strategies for monitoring and mitigating environmental pollution.
- Computational and medicinal research.
- Organic, Heterocyclic and Inorganic Synthesis.
- Theoretical and combinatorial Chemistry.

At the heart of the conference lies the exploration of sustainable synthesis techniques, unraveling innovative reaction pathways and catalytic strategies that minimize environmental impact. Participants will gain insights into the development of advanced materials tailored for renewable energy applications, paving the way for a cleaner and more sustainable energy future. The conference will culminate in a keynote address delivered by **Prof. Imran Ali, Department of Chemistry, Jamia Millia Islamia, New Delhi**, followed by plenary and invited talks by renowned experts. The sessions for poster and oral presentations are scheduled to offer a platform for young researchers to present their innovative work. Ample opportunities for networking and informal discussions will further enrich the learning experience.

Join us at this pivotal event, where the future of chemistry will be shaped by the collective brilliance of our scientific community. Together, we will embark on a journey towards a sustainable future, where chemistry plays a pivotal role in safeguarding our planet and ensuring the well-being of generations to come.

CALL FOR PAPERS

The participants are requested to submit the Abstract (s) (maximum 250 words) of their paper(s) typed in MS Word, Times New Roman font, 12 point with single spacing on A4 size with 3 cm right and 5 cm left, 1.5 cm top and bottom margins through e-mail to **Dr Poonam Patyar** (Convener, Technical Programme Committee) on csfpup2024@gmail.com as an attachment in MS Word format with above-said specifications. The name of the presenting author of the poster/oral should be bold and underlined. The poster size should be 1 meter x 1 meter in dimension. The abstract will be published in the Abstract Book after receiving the registration fee. The three best posters will be awarded prizes.

Dr. Poonam Patyar
Convener - Technical Programme Committee
CSF-2024

E-mail: csfpup2024@gmail.com
Mobile: +91-8283832999

*Conference rescheduled to March 6-7, 2024. Abstract submission deadline extended to February 29, 2024

CONTACT PERSONS

Professor (Dr.) Mohamad Yusuf
Convener, CSF-2024
Mobile: +91-8968659078
e-mail: yusuf_sah04@yahoo.co.in

Professor (Dr.) Ashok Kumar Malik
Coordinator, CSF-2024
Mobile: +91-9815551332
e-mail: malik_chem@yahoo.co.uk

Professor (Dr.) Baljit Singh
Co-Coordinator, CSF-2024
Mobile: +91-9814107914
e-mail: baljit_chemz@yahoo.co.in

Dr. Jatinder Singh Aulakh
Organizing Secretary, CSF-2024
Mobile: +91-9878074759
e-mail: chemiaulakh@gmail.com

REGISTRATION FEE

Academia:	Rs. 2,500/-
* Research Students:	Rs. 2,000/-
Industry:	Rs. 4,000/-
M.Sc. Students:	Rs. 1000/-
Accompanying person:	Rs. 5,00/-

The registration fee is to be sent to (**Name : the Punjabi University registrar, Account number: 42563162980, IFSC: SBIN0050009, State Bank of India**), Spot registration for participation only (not for oral/poster presentation) will also be available to all those interested.

Accommodation and Travel

Participants will be provided accommodation at the University campus on a first come, first served basis only for the days of the Conference. All correspondence regarding accommodation and travel must be addressed well in advance to **Dr Rajiv Mall** (Convener-Accommodation & Travel Committee: e-mail: rajivmall@pbi.ac.in, Mobile Number: 91-9780622150

IMPORTANT DATES AND DEADLINES

Receipt of Abstracts:	January 15, 2024
**Information about acceptance of Abstract(s):	February 15, 2024
Registration form along with a request for accommodation	February 17, 2024

*Students should submit proof of the studentship through a valid Identity Card and the Registration form.

**Abstract (s) will be published in the Abstract Book only after receiving the registration fee.

NATIONAL ADVISORY COMMITTEE

Prof. (Dr.) Arvind, Patron

Dr. N. Kalaiselvi
Dr. S. Chanrasekhar

Prof. (Dr.) M. Jagadesh Kumar
Prof. (Dr.) Jaspal Singh Sandhu
Prof. (Dr.) Siva Umamathy
Prof. (Dr.) E.D. Jemmis

Prof. (Dr.) S. V. Kessar
Prof. (Dr.) K. K. Bhasin
Dr. J. S. Sandhu

Prof. (Dr.) Narinder Singh
Prof. (Dr.) Siddharth Pandey

Prof. (Dr.) Sukhprit Singh

Prof. (Dr.) Manjeet Kaur Sangha

Dr. Arvind Sharma

Prof. (Dr.) Sonika

Prof. (Dr.) G. P. Dubey

Prof. (Dr.) Sapna Garg

Prof. (Dr.) Sonal Singhal

Prof. (Dr.) Satnam Singh

Prof. (Dr.) Harish K. Chopra

Prof. (Dr.) Ashok K. Malik

Prof. (Dr.) Baljit Singh

Prof. (Dr.) Mohamad Yusuf

Vice Chancellor, Punjabi University, Patiala

Director General, CSIR, New Delhi
Secretary, DST, Govt. of India, New Delhi

Chairman, UGC, New Delhi
Vice Chancellor, GNDU, Amritsar
IISC, Bangalore
Department of Inorganic and Physical Chemistry, IISc, Bengaluru
Emeritus Professor, PU, Chandigarh
PU, Chandigarh
Punjabi University, Patiala (Former INSA Scientist)

Department of Chemistry, IIT, Ropar
Department of Chemistry, IIT, New Delhi

Head, Department of Chemistry, GNDU, Amritsar
Head, Department of Chemistry, PAU, Ludhiana

Chief- Scientist, CSIR-CSMCRI, Bhubanagar

Chairperson, Department of Chemistry, GJUS&T, Hisar
Chairperson, Department of Chemistry, KU, Kurukshetra

Chairperson, Department of Chemistry, MDU, Rohtak
Chairperson, Department of Chemistry, PU, Chandigarh

Head, School of Chemistry & Biochemistry, TIET, Patiala
Department of Chemistry, SLIET, Longowal

Department of Chemistry, Punjabi University, Patiala

Department of Chemistry, Punjabi University, Patiala

Head, Punjabi University, Patiala

LIST OF SPEAKERS

Prof. (Dr.) Imran Ali	Keynote Speaker	Jamia Milia Islamia, New Delhi.
Prof.(Dr.) Arvind	Plenary Talk	VC, Punjabi University, Patiala.
Prof. (Dr.) Adarsh Pal Vig	Invited Talk	Chairman, PPCB, Patiala, Punjab.
Prof. (Dr.) Parsad V. Bharatam	Invited Talk	Punjab. NIPER, Mohali, Punjab.
Prof. (Dr.) Devinder Kumar	Invited Talk	GJUS&T, Hisar.
Prof. (Dr.) Sanjay Mandal	Invited Talk	IISER, Mohali
Prof. (Dr.) Narinder Singh	Invited Talk	IIT Ropar
Prof. (Dr.) Baljit Singh	Invited Talk	Himachal Pradesh University, Shimla
Prof. (Dr.) Vandana Bhalla	Invited Talk	Guru Nanak Dev University, Amritsar.
Prof. (Dr.) Kamaldeep Paul	Invited Talk	Thapar University, Patiala
Dr. Aakash Deep	Invited Talk	Principal Scientist, CSIO, Chandigarh

ORGANIZING COMMITTEE

Prof. (Dr.) Mohamad Yusuf
Prof. (Dr.) Ashok K. Malik
Prof. (Dr.) Baljit Singh
Dr. Jatinder Singh Aulakh
Dr. Manisha Bansal
Dr. Harpreet Kaur
Dr. Poonam Patyar

Head & Convener
Coordinator
Co-Coordinator
Organizing Secretary
Convener, Cultural Committee
Treasurer
Convener, Technical Programme Committee

Registration Form 14th National Conference on Chemistry for the Sustainable Future

CSF-2024
Department of Chemistry, Punjabi University, Patiala
February 22-23, 2024

Name of the Participant: _____

Designation: _____ **Sex: Male/Female** _____

Institute: _____

Mailing Address: _____

Mobile: _____ **Fax** _____

E-mail: _____

Type of Presentation: _____ **Poster/Oral** _____

Title of the Research Paper: _____

Registration Fee: _____ **Amount: Rs.** _____

Draft No./ Transaction ID _____ **Dated** _____

Name and age of the Accompanying Person:

	Name	Age
--	-------------	------------

1.	_____	_____
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2.	_____	_____
----	-------	-------

Is Accommodation Required?	Yes/No
-----------------------------------	---------------

Period: From _____ **To** _____

Date: _____ **Signature** _____

The registration form may please be sent to:

Dr. Jatinder Singh Aulakh
(Organizing Secretary, CSF- 2024)
Department of Chemistry
Punjabi University, Patiala – 147002 (Punjab)
Mobile: 91-9878074759
e-mail: csfpup2024@gmail.com

14th National Conference on Chemistry for the Sustainable Future

(CSF-2024)

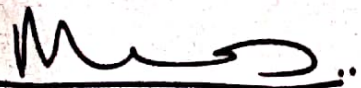
March 06-07, 2024

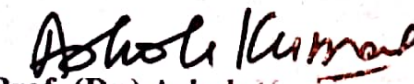
Department of Chemistry, Punjabi University, Patiala

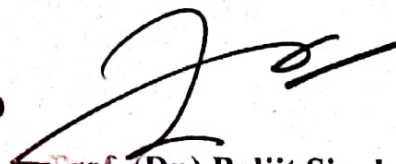


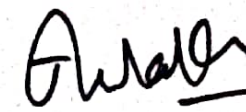
CERTIFICATE

This is to certify that Prof. /Dr. /Mr. /Ms Manish Kumar (Assistant Prof.) of Dept. of Botany
SD College, Barnala has participated / presented a poster / given an oral
presentation/delivered an invited lecture / chaired a technical session entitled Insights into
Triphenylimidazole derivatives in the 14th National
Conference on Chemistry for the Sustainable Future (CSF-2024), organized by the Department of Chemistry, Punjabi
University, Patiala on March 06-07, 2024.


Prof. (Dr.) Mohamad Yusuf
Convener


Prof. (Dr.) Ashok K.
Coordinator


Prof. (Dr.) Baljit Singh
Co-Coordinator


Dr. J.S. Aulakh
Organizing Secretary

Participation in National Conference at Punjabi University Patiala on 7th March 2024

Dr. Manish Kumar participated in the National Conference "Chemistry for The Sustainable Future (CSF- 2024)" on 7 March 2024. During the conference, he attended various lectures and interacted with scientists of various reputed institutions. Dr. Kumar also presented his research work entitled "Insights into Antiproliferative and Apoptosis Inducing Potential of Triphenylimidazole Derivatives" in the category "Computational and medicinal research" in the form of Poster presentations. Dr. Kumar also shared his experiences of the Conference with departmental colleagues after returning from the conference. Overall conference was informative and updated us about the current research going on in the field of medicinal chemistry.





Teaching Learning Centre
Ramanujan College
(Accredited Grade 'A++' by NAAC)
University of Delhi

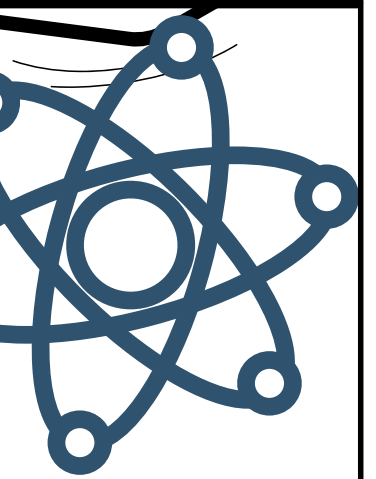


Online Two-week Interdisciplinary
Refresher Course



ADVANCED RESEARCH METHODOLOGY

17 - 31 December 2023



Call for Registration & Participation

organised under the aegis of

PANDIT MADAN MOHAN MALAVIYA NATIONAL
MISSION ON TEACHERS AND TEACHING
MINISTRY OF EDUCATION



Ramanujan College

Ramanujan College, a constituent College of the University of Delhi was established in 1958 as an evening college. The College has been accredited Grade "A++" by the National Assessment and Accreditation Council (NAAC) in its Second Cycle.

At present, Ramanujan College offers sixteen undergraduate programmes in different disciplines. Besides this, the college has been awarded the DDU KAUSHAL (Deen Dayal Upadhyay - Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood) Kendra (2016) by UGC and Teaching Learning Centre (2017) by the Ministry of Education. The College also offers short-term diploma, certificate, and executive development programmes on contemporary and skill-oriented themes to complement the regular graduation courses. It is also the Study Centre of School of Open Learning (SOL), Non-Collegiate Women Education Board (NCWEB) and Indira Gandhi National Open University (IGNOU) for various courses.

In 2018, the College conducted a Course on Human Rights, Environment and Ethics through its National Resource Centre (NRC), under the Annual Refresher Programme in Teaching (ARPIT) scheme of MoE. The College has also entered into Memorandum of Understanding(s) with foreign universities. It is also working for collaboration with other higher education institutions located in remote areas of the country, under the Vidya Vistar Scheme of the University of Delhi.



Teaching Learning Centre Ramanujan College

Teaching Learning Centre (TLC) is mandated by the Ministry of Education (MoE) to organise Faculty Development Programmes (FDPs), Faculty Orientation and Induction Programmes (FIPs), discipline specific and interdisciplinary Refresher Courses, conferences, workshops, through offline and online modes. These programmes are based on indepth subject knowledge, quantitative and qualitative research methodologies, and on an interdisciplinary approach as is envisaged in the National Education Policy (NEP), 2020.

The TLC, Ramanujan College has been set up with the aim of "Reaching the Unreached" teachers in terms of regional diversity and geographically remote areas of the country. It has successfully conducted more than hundred learner-centric programmes since October 2017 and trained over one lakh teachers across the country in various discipline specific and interdisciplinary programmes.

In the TLC Programmes distinguished and internationally acclaimed resource persons deliver lectures and conduct sessions on wide ranging disciplines/topics of relevance in the contemporary and ever evolving global scenario to benefit the teaching fraternity, corporates and researchers. The sessions are also uploaded for larger audiences on the official YouTube Channel of the College.

Ramanujan College is a pioneer in offering offline/online courses for faculty members of higher education institutions and research scholars through the customised Learning Management System (LMS), designed by the College's Research Development and Services Cell. It is predominantly participant-friendly and incorporates evaluation methods and comprehensive feedback systems to judge learning outcomes. The LMS is hosted on CLOUD with high scalability and reliability. The College has installed its own Cloud Infrastructure to host its servers for research and data analysis

Concept Note

This Online Refresher Course is an effort towards exploring different dimensions and paradigms of research. The modules intend to enhance the ability of the participants to undertake independent research in a planned manner, identify appropriate and significant literature review, design questionnaires, collect and analyze data, perform simulations and, to assist them in writing research papers for good quality journals. The primary tools covered are those that would aid a researcher in a systematic background knowledge probe, data visualization, and effective presentation of results, writing research paper, preparation of reports and thesis, and prevention against plagiarism. The course also aims to train the participants in different software applications and facilitate the application of these software in their teaching-learning methods and research endeavor.

Thematics

- Introduction to Research: Research Philosophy & Types
- Research Design and Types
- Data collection and Data Visualization
- Analysis of Data and Techniques
- Systematic Literature Review and Meta Data Analysis
- Introduction to different Qualitative Research Methods
- Developing an understanding about Qualitative and Quantitative Data Analysis
- Writing Research Report and Research Papers using LaTeX
- Advanced Searching Tools and Referencing Tools
- Scientific Journal Finder
- Indexing and Impact Factors
- Publication Ethics: Patent, Copyright and Plagiarism

Expected Learning Outcomes

After successful completion of the online course, the participants will be able to:

- Gain better understanding on how to identify a research problem and design a valid research project to answer specific research questions
- Get hands-on training in the usage of several open source tools that can assist them in their research endeavors
- Write effective research papers and thesis in the journal designated formats using online tools
- Know the process of finding good quality journals for research and publishing

Registration and Payment Details

ELIGIBILITY

Faculty members (regular/adhoc/temporary) in teaching profession, research scholars and postgraduate students are eligible to apply for this programme.

All those who meet the eligibility criterion are required to register and pay a **Non-Refundable fee of INR 1450/- by visiting**

rcmoocs.in

Registration Deadline: 17 December 2023

After successful registration & payment, the participants will receive a confirmation via email. Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder.

An official group has been made for communication with the participants on "Telegram." You are therefore requested to install the Telegram App either from the Play Store or App Store. The link to join the official group will be provided in the confirmation mail.

Important:

- Registration is mandatory for participation.
- Attempting and submitting all the quizzes and assignments is mandatory, and each participant should score atleast 50% aggregate to be eligible for the completion certificate.
- Graded certificates on the basis of performance will be awarded to the participants.
- As part of the Ministry of Education's requirement under the PMMMNMTT scheme, all participants need to submit online feedback for each session.
- **No Objection Certificate (NOC) or Leave is NOT REQUIRED to participate in the Programme. However, participants are expected to inform their authorities about their participation.**
- Failing to meet any of the above conditions will result in the denial of completion certificate.

For further information, write to us at:

fdpos@ramanujan.du.ac.in

or contact us through WhatsApp:

+91 - 7011863335

+91 - 7011527088



Teaching Learning Centre

Ramanujan College, University of Delhi

(Accredited Grade 'A++' by NAAC)

under the aegis of

MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING



This is to certify that

Dr. Manish Kumar, Assistant Professor in Botany

of

SD College Barnala

has Successfully Completed online two - week Interdisciplinary Refresher Course in

“ADVANCED RESEARCH METHODOLOGY”

from 17 - 31 December, 2023 and obtained

Grade A+.



Blockchain Hash: [0xe7ac4dfb30d82f068d0a43ddab84c4c61b1dc219d153f8854f9e38e09927997e](https://www.blockchain.com/transaction/0xe7ac4dfb30d82f068d0a43ddab84c4c61b1dc219d153f8854f9e38e09927997e)

Prof. S. P. Aggarwal
(Principal & Director)
TLC, Ramanujan College

Dr. Ashish Kumar Shukla
(Convener)
Ramanujan College

Two-week Refresher Course in “**Advanced Research Methodology**” organized by Teaching Learning Centre Ramanujan College, New Delhi

Dr. Manish Kumar attended **Two-week Refresher Course** in “**Advanced Research Methodology**” organized by Teaching Learning Centre Ramanujan College, New Delhi from 17 - 31 December 2023. Daily session on various themes such as Introduction to Research: Research Philosophy & Types, Research Design and Types, Data collection and Data Visualization, Analysis of Data and Techniques, Systematic Literature Review and Meta Data Analysis, Introduction to different Qualitative Research Methods, Developing an understanding about Qualitative and Quantitative Data Analysis, Writing Research Report and Research Papers using LaTeX, Advanced Searching Tools and Referencing Tools Scientific Journal Finder, Indexing and Impact Factors, Publication Ethics: Patent, Copyright and Plagiarism were organized. Daily Assignments pertaining to the topics were given. This refresher course helped to Gain better understanding on how to identify a research problem and design a valid research project to answer specific research questions, Got hands-on training in the usage of several open source tools that can assist them in their research endeavors, Write effective research papers and thesis in the journal designated formats using online tools etc.