

ICEPAM 2024

2nd INTERNATIONAL CONFERENCE ON EVOLUTION IN PURE AND APPLIED MATHEMATICS (HYBRID MODE)

IN COLLABORATION WITH ETERNAL
UNIVERSITY, BARU SAHIB

Funded by NBHM



NOV 20-22, 2024

AKAL UNIVERSITY,
TALWANDI SABO
www.auts.ac.in

OUR SPONSORS



MEDIA PARTNERS



MathUpdates



PUBLICATION

Important Note:

There are no Processing and Publication Charges.

- All the accepted abstracts will be published in the abstract book and will be shared to all the participants in soft copy.
- The accepted peer-reviewed papers will be published either in Scopus Indexed Journal "Palestine Journal of Mathematics" (Proposal Accepted)

or

Scopus Indexed conference proceedings by Springer* entitled "Analysis, Algebra and Allied Topics"

(*Proposal Submitted).



LOCAL ORGANIZERS

Department of Mathematics



Dr. Sandeep Singh
Akal University,
INDIA



Dr. Sukhpreet Kaur Sidhu
Akal University,
INDIA



Dr. Baljinder Kour
Akal University,
INDIA



Dr. Bharat Bhusan
Akal University,
INDIA



Dr. Divya Jyoti
Akal University,
INDIA



Ms. Isha Goyal
Akal University,
INDIA



Mr. Sukhdeep Singh
Akal University,
INDIA



Dr. Sandeep Malik
Akal University,
INDIA



Dr. Sandipan Gupta
Eternal University,
INDIA



Dr. Surjan Singh
Eternal University,
INDIA



Dr. Shivani
Eternal University,
INDIA



Dr. Soni Bisht
Eternal University,
INDIA



Mr. Madhav Sharma
Akal University,
INDIA



Mr. Sourav Kumawat
Akal University,
INDIA



Ms. Gurpreet Kour
Akal University,
INDIA



Ms. Karampreet Kaur
Akal University,
INDIA

INVITED TALKS



Prof. Emeritus S. K. Khanduja
Panjab University,
INDIA



Prof. S. R. Ghorpade
IIT Bombay,
INDIA



Prof. M. K. Yadav
HRI, Allahabad
INDIA



Prof. M. Ram Murti
Queen's University,
Kingston, Ontario,
CANADA



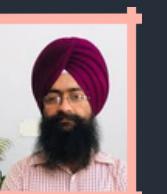
Prof. S.M. Grad
ENSTA Paris, Pol.tech.
Institute of Paris,
FRANCE



Prof. A.M. Haghghi
Prairie View A&M University,
USA



Prof. Shalabh
IIT Kanpur,
INDIA



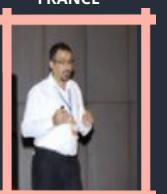
Prof. S.S. Kainth
Panjab University Chandigarh,
INDIA



Prof. S. K. Tomar
JC Bose University,
INDIA



Prof. Hai Q. Dinh
Kent State University,
USA



Prof. Erdal Karapinar
Çankaya University, Ankara,
TURKEY



Prof. J. S. Chahal
BYU Provo,
US



Prof. Satyanarayana Reddy
Shiv Nadar University,
INDIA



Prof. C. S. Rajan
Ashoka University,
INDIA



Prof. Madhu Raka
Panjab University
Chandigarh, INDIA



Prof. V. E. Balas
'Aurel Vlaicu' University
of Arad, ROMANIA



Prof. Jordan Hristov
University of Chemical
Technology and Metallurg
BULGARIA



Prof. A. G. Shannon
The University of New
South Wales,
AUSTRALIA



Prof. Gauri Shankar
Central University of Punjab,
INDIA



Prof. Amit Kulshrestha
IISER Mohali,
INDIA



Prof. Jitendra Kumar
IIT Ropar,
INDIA



Prof. D T Pham
The University of Birmingham
UNITED KINGDOM



Prof. (Em) F. Samandache
University of New
Mexico, USA



Prof. Carla Pinto
University of Porto Rua
do Campo Alegre, Porto
PORTUGAL



Prof. Vijay K. Kukreja
SLIET Longowal,
INDIA



Prof. Saminathan
Ponnusamy
IIT Madras,
INDIA



Prof. Rakesh Kumar
Central University of
Himachal Pradesh,
INDIA



Prof. H. Ramos
University of Salamanca,
SPAIN



Prof. Mikhail Sheremet
Tomsk State University
RUSSIA



Prof. Vincenzo De Filippis
University of Messina
ITALY

ABOUT AKAL UNIVERSITY

Established under the Punjab Government Act No. 25 (2015) and approved under the Section 2(f) of UGC Act (1956) to confer degrees. Akal University has a mission and vision to establish permanent peace in the world through values based scientific education and spiritual rejuvenation creating good global citizens. With blessings of Sant Baba Attar Singh Ji Maharaj, the establishment of Akal University under the leadership of Founder Chancellor Baba Iqbal Singh Ji by the Kalgidhar Trust (Baru Sahib) is culmination of what the Tenth Sikh Guru, Guru Gobind Singh Ji, prophesied about three centuries ago. Akal University has been mandated to carry out activities pertaining to the three basic principles of higher education: Teaching, Learning and Research. The University is successfully running UG (Honors), PG and PhD programs in Mathematics, Physics, Chemistry, Botany, Zoology, English, Punjabi, Psychology, Commerce, Economics and Sri Guru Granth Sahib Studies, Computer Application, MBA, Education, Physiotherapy and Medical lab technician. Striving for excellence in teaching and research under the stewardship of Chancellor Baba Dr. Devinder Singh Ji and able guidance of Prof. (Dr.) Gurmail Singh, the University has faculty members who are highly qualified with exceptionally good academic records. The University has a firm resolve to provide a drug-free environment and to create a disciplined campus. Magnificent building with ultra-modern facilities for teaching and research is the hallmark of the University.



DEPARTMENT OF MATHEMATICS

The Department of Mathematics has been established to uplift and upgrade the standards of teaching, learning and research to meet the high levels of excellence and the requirements of today's competitive world. Some of humankind's most powerful and beautiful ideas lie in the field of Mathematics. The wide applicability of these ideas and their deep connection with the natural sciences have made this discipline one of the most fruitful arenas of human inquiry. Combining as it does the greatest creative freedom with the most stringent standards of rigor, Mathematics also happens to be the ideal training ground for learning a broad range analytical and problem-solving skills.

Akal University's programme of study for the Major in Mathematics has been designed to meet two primary goals:

- Students should be broadly exposed to the primary areas and the central ideas of contemporary Mathematics (as well as their applications); and
- Students should develop the skills of rigorous analytic reasoning along with a set of useful problem-solving skills and strategies.



ABOUT THE CONFERENCE

The 2nd International Conference on Evolution in Pure & Applied Mathematics-2024 is set to serve as a global forum for scientists, researchers, and educators, facilitating the presentation and discussion of cutting-edge innovations, trends, and applications across diverse branches of Mathematics. Embracing fields such as Algebra, Analysis, Number Theory, Numerical Analysis, Optimization, and more, this conference aims to create a knowledge-sharing platform for researchers to congregate, exchanging insights on various research endeavors and fostering collaboration within different realms of mathematics. ICEPAM-2024 stands out as an exceptional opportunity for participants to engage in discussions about key findings, explore novel ideas, and connect with world-class leaders in the field. The event also encourages the sharing of experiences among peers, offering a rich environment for networking and collaboration. Moreover, ICEPAM-2024 is poised to provide researchers with avenues for collaboration with esteemed national and international organizations, enhancing the global reach and impact of their work. Anticipating a significant turnout, ICEPAM-2024 looks forward to attracting participants and submissions from across the globe, making it a dynamic and diverse gathering of minds dedicated to advancing the frontiers of mathematics.

TOPICS OF INTEREST INCLUDES BUT ARE NOT LIMITED TO

- Combinatorics
- Special Functions
- Graph Theory
- Algebra and Its Applications
- Number Theory
- Topology
- Analysis
- Summability and Approximation Theory
- Numerical Analysis
- Bio- Mathematics
- Mathematical Modeling
- Operations Research
- Theoretical and Numerical Aspects of ODEs/PDE/Fractional DEs
- Differential Geometry and Applications
- Coding Theory
- Cryptography and Information Theory

For More details visit:

[ICEPAM-2024 \(Website\)](http://ICEPAM-2024 (Website))

Instructions for Registration

1. Full Paper (Presentation and Publication)

Participants will be invited to give the presentation at the conference and accepted papers (after peer review) will be published either in Scopus Indexed Journal "Palestine Journal of Mathematics"(Proposal Accepted) or Scopus Indexed conference proceedings by Springer* entitled "Analysis, Algebra and Allied Topics". (*Proposal Submitted)

2. Abstract (Presentation only)

Accepted abstract will be invited to give the presentation at the conference. The abstract can be included in the program only.

3. Attending only

Any one interested can attend the conference after the registration.

4. Competing for "Baba Iqbal Singh Ji Award" for Best Paper Presentation:

This award will be given to a Mathematician for his contribution to emerging research areas in Mathematics. The award carries a Certificate and a cash prize of Rs. 10,000/- . The final result will be announced at the valedictory session. The eligibility criteria for applying under this award is as follows:

- (i) Any one can apply, irrespective of his/her nationality pursuing his research in Mathematics.
- (ii) The age of awardee should be less than 42 years as on **October 31, 2024**.
- (iii) The participant should have to present his work in **OFFLINE** mode during this conference.
- (iv) The competition requires that the paper to be presented must have a single author.

NOTE: The award will be conferred to the author of a paper selected by the Conference Chairs/ Committee. The decision criterion will consider both the paper quality (assessed by the Program Committee), and the oral presentation quality (feedback given by session chairs/ Judges).

Abstract Submission:

Submit your abstract at below link:

[Abstract Submission Link](#)

Registration Form

[Form Link](#)

Important Dates (Extended)

Last date of abstract submission	October 31, 2024	Category	National (Rupees)	International (US Dollar)
Notification of acceptance of abstract	November 06, 2024	Students (UG/PG)	1000	40
Last date of Registration and full paper submission	November 10, 2024	Research Scholars	1500	50
Last date of registration for the Conference (Attending Only)	November 10, 2024	Academicians	2000	80
		Industry Personnel	2500	100

Important Note:

Registration fee doesn't include accommodation charges.

Account Details:

Name of Account Holder:

Akal University

Account Number:

36112706739

IFSC:

SBIN0050058

MICR No:

151002253

SCAN & PAY



ADVISORY COMMITTEE

INTERNATIONAL

Professor A.M. Haghghi, Prairie View A&M University, USA.

Professor M.Ram Murti, Queen's University, Kingston, Ontario, CANADA.

Professor Sorin-Mihai Grad, Boulevard des Maréchaux, Palaiseau, FRANCE.

Professor Hai Q. Dinh, Kent State University, USA.

Professor Prof. A. G. Shannon, The University of New South Wales, AUSTRALIA.

Professor Erdal karapinar Çankaya University, Ankara, TURKEY.

Professor J. S. Chahal, Brigham Young University Provo, US.

Professor D. T. Pham, The University of Birmingham, UNITED KINGDOM.

Professor F. Samrandache, University of New Mexico, USA.

Professor V. E. Balas, "Aurel Vlaicu" University of Arad, ROMANIA .

Professor Jordan Hristov University of Chemical Technology and Metallurg . BULGARIA.

Professor Carla Pinto, Centre for Mathematics, University of Porto Rua do Campo Alegre, Porto, PORTUGAL.

Professor H. Ramos University of Salamanca, SPAIN.

Prof Mikhail Sheremet, Tomsk State University RUSSIA.

Prof. Vincenzo De Filippis , University of Messina ITALY

ORGANIZING COMMITTEE

CHIEF PATRON

**Hon'ble Baba Dr. Davinder Singh Ji
(Chancellor)**

PATRON

**Prof. Gurmail Singh
(Hon'ble Vice-Chancellor, Akal University)**

CONVENERS

**Dr. Sandeep Singh
(Head, Department of Mathematics &
Dean Student's Welfare, Akal University)**

Dr. Sandeep Kaur

CO-CONVENER

Dr. Bharat Bhushan

LOCAL ADVISORY COMMITTEE

**Dr. Sawarn Singh (Registrar)
Dr. Sukhjeet Singh (Director IQAC)
Maj Gen (Dr.) G S Lamba (DAA)
Dr. P. S. Cheema (COE)
Dr. Bubun Banerjee (ADR)
Dr. Birender Kaur (ADR)**

LOCAL ORGANIZING COMMITTEE

**Dr. Sukhpreet Kaur (Mathematics)
Dr. Baljinder Kour (Mathematics)
Dr. Divya Jyoti (Mathematics)
Dr. Sandeep (Mathematics)
Mr. Sukhdeep Singh (Mathematics)
Ms. Isha Goyal (Mathematics)**

ADVISORY COMMITTEE

NATIONAL

Professor S K Tomar, Vice-Chancellor, J C Bose University, Haryana

Professor Shalabh, Dean of Academic Affairs, IIT Kanpur, Kanpur

Prof S. R. Ghorpade , IIT Bombay, Maharashtra

Professor Kalyan Chakraborty, F. Director Kerala School of Mathematics, Kerala

Professor A S Ahluwalia, Pro Vice-Chancellor, Eternal University, Himachal Pradesh

Professor Kapil Kumar Sharma, South Asian University, New Delhi

Professor Dinesh Khurana, Panjab University, Chandigarh

Professor (Emeritus) Sudesh Kaur Khanduja IISER Mohali, Punjab

Professor Amit Kulshrestha, IISER Mohali, Punjab

Professor H. M K Yadav, HRI, Uttar Pradesh

Professor S S Bhatia, Thapar University, Punjab

Professor Deepak Gumber, Thapar University, Punjab

Professor Sandipan Gupta, Eternal University, Himachal Pradesh

Professor Surjan Singh, Eternal University, Himachal Pradesh

Professor Soni Bisht, Eternal University, Himachal Pradesh

Professor Vinay Kanwar, UIET Chandigarh, Chandigarh

Professor R K Gupta, Central University of Haryana, Haryana

Professor (Associate) R K Pandey, IIT Roorkee, Uttarakhand

Professor Renu Chugh, Maharshi Dayanand University, Haryana

Professor Aseem Miglani, Chaudhary Devi Lal University, Haryana

Professor Kapil Kumar, Guru Jambheshwar University of Science and Technology, Haryana

EXCURSION TO SRI HARMANDIR SAHIB

November 23, 2024

Register here:

<https://forms.gle/bDev3omzYxgwKjEx6>



Sri Harmandir Sahib, also known as Sri Darbar Sahib or Golden Temple, (on account of its scenic beauty and golden coating for English speaking world), is named after Hari(God) the temple of God. The Sikhs all over the world, daily wish to pay visit to Sri Amritsar and to pay obeisance at Sri Harmandir Sahib in their Ardas.

Guru Arjan Sahib, the Fifth Nanak, conceived the idea of creating a central place of worship for the Sikhs and he himself designed the architecture of Sri Harmandir Sahib. Earlier the planning to excavate the holy tank (Amritsar or Amrit Sarovar) was chalked out by Guru Amardas Sahib, the Third Nanak, but it was executed by Guru Ramdas Sahib under the supervision of Baba Budha ji. The land for the site was acquired by the earlier Guru Sahibs on payment or free of cost from the Zamindars (landlords) of native villages. The plan to establish a town settlement was also made. Therefore, the construction work on the Sarovar (the tank) and the town started simultaneously in 1570. The work on both projects completed in 1577 A.D.

Contact us: icepam@auts.ac.in