

ANNUAL ACTIVITY REPORT OF IACS (2023-24)

Indian Association for the Cultivation of Science (IACS), founded in the year **1876** by **Dr. Mahendralal Sircar**, an acclaimed medical practitioner of his time, is the oldest scientific institution in Asia funded by the Department of Science & Technology, Government of India and the Government of West Bengal. Sir C V Raman made his historic discovery of the 'Raman Effect' at IACS. IACS continues to adorn the mantle of academic and intellectual excellence in India and abroad and now stands at the crossroad of a critical era. Apart from fundamental researches in the various frontier areas of physics and chemistry, IACS has ventured in a significant way, for the past few years, into the emerging multidisciplinary areas such as non-conventional energy sources, advanced and novel nano-materials, chemical biology and interdisciplinary sciences. At present, IACS has more than 400 research students/associates working under the guidance of about 67 faculty members working in physics, chemistry and biology. The Institute has dynamic programmes for the pursuit of research leading to the doctoral degree and for post-doctoral work and has Visiting Scientists Scheme. There is an excellent library, good computing facilities and the campus is equipped with all modern facilities and amenities.

Apart from all these, IACS is also involved in multiple talk/popular lectures on different scientific topics, cultural events such as Cultvision, various competitions, different health and safety programs, Colloquiums, and many more national and international level programmes throughout the year. Below is the list of programs month-wise held during the Year 2023-24.

APRIL-2023

1. Professor Debashree Ghosh in the School of Chemical Sciences has received the "Bochhorer Best" award of ABP.
2. Shri Supriya Chakraborty in the CSS Department has brought two laurels and recognitions for himself and for the Institute. Details can be found in the link <https://iacs.res.in/maincontroller.php?navid=24&subnavid=83&resubnavid=646>
3. Birth Anniversary of DR. B.R. AMBEDKAR was celebrated on 14th April, 2023 at IACS.





MAY-2023

1. “Rabindra – Nazrul Jayanti” being organized by the Science Association Club on 26th May, 2023. Check <https://iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=534> for event details.

JUNE-2023

1. World Environment Day was observed at IACS on 5th June, 2023. Program Schedule as below-



2. Celebration of International Yoga Day at IACS on 21.06.2023. For photos, check the link chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/event/images/cdiv1_22-06-235466.pdf

JULY-2023

1. Free Medical Health camp and Health Talk was organized by Desun Hospital at IACS Campus on 18.07.2023 for all the beneficiaries of IACS (Employees, Pensioners and their dependent family members, Family Pensioners and Scholars).
2. **3rd Annual Convocation** Program was celebrated at IACS on 15th July, 2023. For details on the program, click on the following link

<https://iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=402>



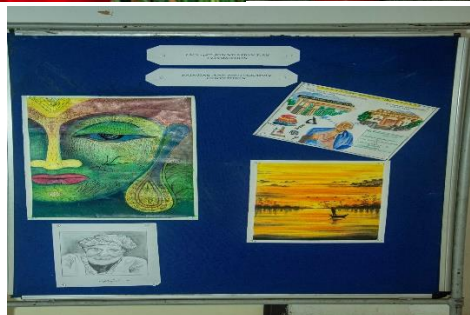
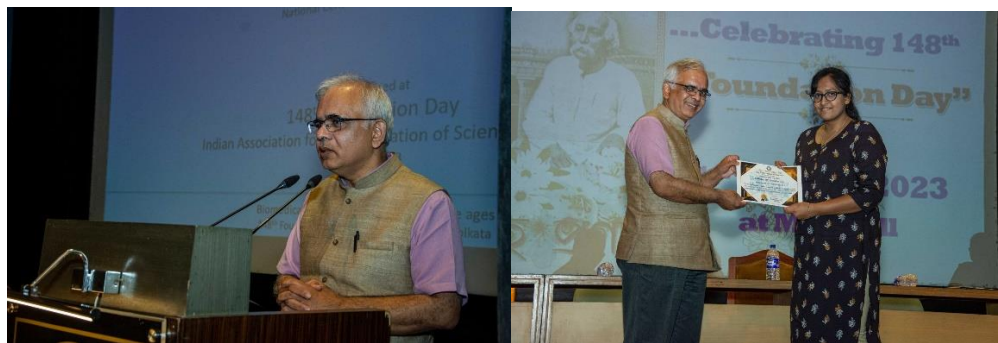
3rd Annual Convocation Program celebrated at IACS on 15th July, 2023

3. Fire Extinguishers Mock drill was performed at IACS playground on 18.07.2023.
4. A talk was organized by Dr. Indrajit Bhattacharya, Principal Scientist @ TCS Research on July 27, 2023 at CV Raman Hall. Details can be found on the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=83&resubnavid=649>

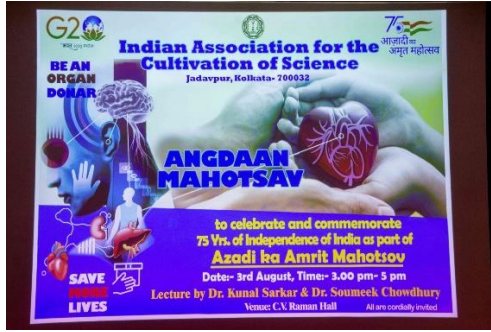
AUGUST-2023

1. Foundation Day was celebrated at IACS on 1st August, 2023. A Cultural Programme and a Photography and Painting Competition was also organized on the event of the Foundation Day of IACS, celebrations which was held on 1st August, 2023. Details can be found on <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=414>





2. IACS organized an awareness campaign on “Angdaan Mahotsav” in line with the Azadi ka Amrit Mahotsav to celebrate and commemorate 75 years of Independence of India at C.V Raman Hall at IACS Campus on 3rd August, 2023. For details, check the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=415>



3. Prof. Narayan Pradhan has received the GD Birla Award for Scientific Research. For details, check https://www.hindustantimes.com/india-news/profs-pradhan-mehta-awarded-gd-birla-award-for-scientific-research-101691002101616-amp.html?utm_source=whatsapp&utm_medium=social&utm_campaign=ht AMP
4. An invited talk was organized by School of Mathematical and Computational Sciences IACS, by Dr. Aniket Basu Roy, a post-doc researcher at Aarhus University, at CV Raman Hall, on Aug 10, 2023 on the 'Title: Effectiveness of Local Search for Geometric Packing and Covering Problems'. Details can be found on the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=651>
5. 77th Independence Day was Celebrated at IACS. For details check the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=419>



6. Research Scholars Association launched IACS Movie Club: Cine Society- a gathering of fellow cinephiles within the IACS community. It's goal is to provide a space where movie enthusiasts can come together, enjoy carefully selected film screenings, and engage in the world of cinema.
7. Live Telecast of Soft Landing and landing on moon of Chandrayaan-3 Mission at 17:20 hrs. IST and 18:04 hrs. IST was telecasted on August 23, 2023 at MLS Hall, IACS.
8. One Student Mr. Swapnamoy Ganguly has been awarded a Dalton Transactions Poster Prize at the P.C. Ray Memorial International Conference on Contemporary Ideas, Innovations and Initiatives in Chemical Sciences: CI3CS-2023 held at Presidency University, Kolkata, India on 23-24 August, 2023.
9. 16 faculty members got into the prestigious Stanford top 2% scientists list. Check chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/news/images/news_25-08-233187.pdf for details.
10. One day Symposium was organized by School of Chemical Sciences on the 25th of August, 2023. For details, check <https://iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=536>

11. A visit by Canara Bank officials from Jadavpur Branch was organized at the campus to give a presentation on Salary Accounts and other allied banking facilities provided by them on 31.08.2023 SN Bose Hall.

SEPTEMBER-2023

1. Lectures in memory of Calyampudi Radhakrishnan Rao (C. R. Rao) was organized by: School of Mathematical and Computational Sciences (SMCS), at IACS on 12 Sept 2023. For Program Schedule, check
<https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=426>
2. Freshers Welcome and Felicitation Ceremony : Aloha 2023 celebrated at IACS on 15th September, 2023. Check <https://iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=537> for details.
3. Dr. Anindita Das in the School of Applied and Interdisciplinary Sciences has been selected as INSA Associate Fellow (2023), for showing exceptional potential to be a leader in research.
4. Observance of Swachhata Hi Seva, SHS-2023 Campaign, Special Campaign 3.0 mandated by DST at IACS. Details can be found on <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=427>
For details, check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=427>
5. As a part of the Swachhata Hi Seva (SHS – 2023) Campaign under the directives of the Govt. of India, IACS, Kolkata observed “Ek Tareekh Ek Ghanta - Swachhata ke liye Shramdaan” programme on 1st October, 2023 with a special drive to clean the Hostel premises. For details, check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=427>





6. As a part of the ongoing “Swachhata Hi Seva” (SHS – 2023) Campaign under the joint aegis of Department of Drinking Water and Sanitation, (DDWS) & Ministry of Housing and Urban Affairs, (MoHUA), Govt. of India for undertaking shramdaan activities aiming to generate Jan Andolan through community participation, a “Swachhta Pledge” Taking Ceremony has been organized on Tuesday, 3rd October 2023 in C.V.Raman Hall at 03:00 p.m. For details, check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=427>



7. Seminar by Prof. A Ajayghosh on the 9th of October at CV Raman Hall on the title Title: Chemistry of Stimuli Responsive Soft Materials. Details can be found on the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=53>

OCTOBER-2023

1. IACS organized Sudipta Sarkar, a CSIR JRF in Prof. Surajit Sinha's Group had recently attended Immunocon-50, one of the prestigious conferences of immunology organized by the Immunological Society of India at AIIMS Delhi from 5th to 8th October 2023 and presented her work on "Controlling the cross talk of inhibitory receptors (PDL-1) of immune system and developmental regulatory factors (GLI-1) by cell transferable Morpholino: A New Edge Therapeutics" for which she has been awarded with the Best Poster Presentation and a travel grant.
2. In pursuance of the instructions of the Administrative Ministry, a Selfie Point with the Hon'ble Prime Minister of India, Shri Narendra Modi was identified in front of the CRAFT.
3. Prof. Abhishek Dey in the School of Chemical Sciences has become an elected Fellow of the National Academy of Sciences, India (NASI).
4. Professor Benu Brata Das in the School of Biological Sciences has been selected for the prestigious "SREENIVASAYA MEMORIAL AWARD" for the year 2023, on behalf of the Society of Biological Chemists (India).
5. Observance of Rashtriya Ekta Diwas and Vigilance Awareness week 2023 from 30th October to 5th November, 2023. Check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=539> for details.
6. On account of Vigilance Awareness Week 2023 celebration, an Essay Writing Competition on the topic "The important steps of creating a Vigilant and Corruption Free Organization" was organized at IACS on 03.11.2023. For details, check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=539>

NOVEMBER-2023

1. Open Thesis Colloquium for the student, Ms. Subhashree Chatterjee at School of Physical Sciences IACS was held on the Thesis title: Investigating dielectric relaxation and electrocaloric effects in lead-free ferroelectric perovskites on 10th November, 2023.
2. Professor Suhrit Ghosh in the School of Applied and Interdisciplinary Sciences has been conferred the Professor M. Santappa Award for the years 2021-22 by The Society of Polymer Science, India (SPSI).
3. Professor Jyotirmayee Dash in the School of Chemical Sciences has obtained a patent on hydrogel, which shows antibacterial and antileishmanial activities. This hydrogel has the potential to be commercialized as a topical ointment against microbes.
4. Science Association Club of IACS organized “Bijaya Sammiloni- 2023” on 17.11.2023, in MLS Hall. Check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=540> for details.

DECEMBER-2023

1. IACS-IISER-Kolkata Joint Discussion Meeting-Quantum Sensing & Quantum Metrology was organized from December 4-6, 2023 by IACS, Kolkata. For details, check the link <https://iacs.res.in/QSQM-2023/home.html>
2. State Bank of India, Jadavpur University branch organized an awareness program on *Presentation on SBI Wealth Proposition and Retirement Planning* at C.V. Raman Hall on 14.12.2023.
3. Professor Sudip Malik in the School of Applied & Interdisciplinary Sciences has been awarded MRSI MEDAL 2023 from the Materials Research Society of India in the 34th AGM of MRSI & 5th Indian Materials Conclave at IIT BHU on December 13, 2023.
4. Dr Nabanita Deb in the School of Chemical Sciences has been conferred with Professor U.C. Pant Memorial Award by the Indian Chemical Society towards her contribution to Chemical Sciences.
5. Professor Narayan Pradhan, Senior Professor in the School of Materials Sciences has been awarded with J C Bose Fellowship by the Science and Engineering Research Board, Government of India, for his outstanding contribution to the field of Material Sciences.
6. International Conference on Hybrid Halide Perovskite – 2023 from 22nd to 23rd December, 2023 was organized at IACS, Kolkata. Check the link <https://www.iacs.res.in/hype-23/home.html> for details on this programme.

JANUARY-2024

1. Special Lecture was given by Naba K Mondal, INSA Senior Scientist, Saha Institute of Nuclear Physics, Kolkata on the Title: Chasing Dreams and Conquering Heights: My Adventure to Everest Base Camp at 12th January, 2024. For Abstract, check <https://iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=654>
2. Annual Meeting of School of Biological Sciences on 19th January, 2024. For details, check chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/event/images/event_05-01-248292.pdf
3. Professor Rupa Mukhopadhyay, Senior Professor, in the School of Biological Sciences has been elected as the Fellow of the West Bengal Academy of Science & Technology (WAST).
4. A Seminar has been organized at IACS by Prof. Deshdeep Sahdev, Dept of Physics, IIT Kanpur at IACS on the Title: SOME FUN ASPECTS OF CONDENSED MATTER PHYSICS. For Abstract, check chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/event/images/event_21-06-244692.pdf
5. Professor Satrajit Adhikari, Senior Professor in the School of Chemical Sciences has been elected to the Fellowship of the Indian Academy of Sciences, Bangalore.
6. A Seminar was arranged by Dr. Murali Dharan Bashyam on 22nd January, at IACS on the title "Chasing the new Achilles heel in cancer: Neomorphic somatic mutation induced Yin/Yang protein function".
7. An interactive meeting was held by the Bank Of Maharashtra tomorrow, 24th January 2024 at IACS as a promotional session.
8. 75th Republic Day Celebrations took place at IACS on 26th January 2024. The Programme was commenced with the hoisting of the National Flag followed by a short Cultural Program.



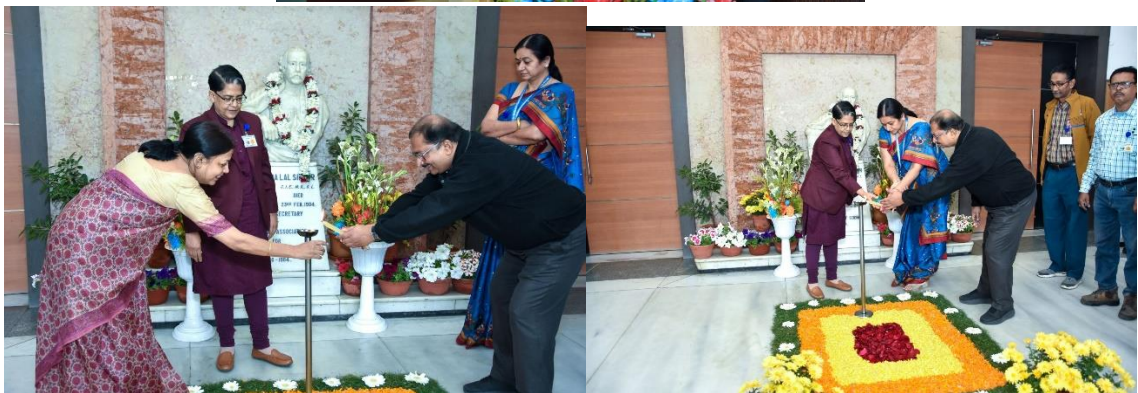


9. A Seminar was organized on the title " Prevention of Sexual Harassment Of Women At Workplace" on 31st January2024, at IACS to generate awareness regarding the topic.
10. Mr. Pranjal Sengupta and Ms. Torsha Majumdar, BS-MS students of the 2023 Batch, has been awarded the prestigious "JBNSTS Senior Scholarship Award, 2023".

FEBRUARY-2024

1. One-day Outreach Programme as a Curtain Raiser event of INDIA INTERNATIONAL SCIENCE FESTIVAL (IISF)-2023 was organized on 3rd January, 2024.





2. A Health Camp was held on 07th February, 2024 organized by B. P Poddar Hospital & Medical Research Ltd at MLS Hall. The hospital will provide the health services purely free of cost such as ECG, Echo, Doctor's consultation etc. for all the CMS beneficiaries of IACS (Employees, Pensioners and their dependent members and Scholars).
3. A Conference on "Recent Trends In Condensed Matter Physics Related To Quantum Materials"

was organized by School of Physical Sciences, IACS on 15th and 16th February, 2024. Check https://iacs.res.in/RTCMPQM_2024/home.html for details on the programme.

4. Science Association Club of IACS organized “Annual Sports- 2024” to be held on 16.02.2024 & 17.02.2024 at Institute Ground.
5. International Mother Language Day 2024 was celebrated at IACS on 21.02.2024 on the theme of UNESCO is “Multilingual education: is a pillar of intergenerational learning”. For details check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=472>
6. IACS Colloquium from the School of Physical Sciences by Prof. Anindya Das, Department of Physics, Indian Institute of Science, Bangalore was organized on 23rd February 2024 on the Title: Flat land of twisted bilayer graphene. For Abstract, check chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/event/images/event_22-01-246523.pdf
7. Eye Checkup Camp was held on 26th February, 2024 organized by Susrut Eye Foundation & Research Centre at MLS Hall for all CMS beneficiaries of IACS (Employees, Pensioners and their dependent members and Scholars).
8. Dr. Srijita Paul Chowdhuri, one of our PhD Student in Prof. Benu Brata Das's lab currently doing research on "DNA damage response in Cancer and the post-translation regulation of TDP1" has won the prestigious EMBO Best Poster Award in the First European Molecular Biology Organization (EMBO) International Workshop on "Evolution and diversity of the DNA damage response" at Lonavala, India, held during February 19–23, 2024.
9. National Science Day was celebrated at IACS on 28th February, 2024. Details can be found on <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=474>

MARCH-2024

1. SAIS organized two days “SAIS Symposium 2024” (1st-2nd March, 2024) on the emerging topics in the Interdisciplinary and Applied Sciences with several Keynote speakers and invited speakers across India as well as one abroad speaker. Check chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://iacs.res.in/modules/event/images/cdiv1_28-02-244829.pdf for details on this programme.
2. Dr. Anindita Das in the School of Applied and Interdisciplinary Sciences has received the "SERB-Women Excellence Research Grant."
3. SCS organized a one day annual symposium on the 8th of March to get exposed to R&D programs in industry and find out ways to get involved. For details, check the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=659>
4. Science Association Club of IACS organized “International Womens’ Day” on 12.03.2024, in MLS Hall. For program schedule, check the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=660>
5. International Conference on Catalysis (IC²-2024) was organized from March 11 to 13, 2024, at IACS. For details, check the link https://iacs.res.in/IC%C2%B2Flyer_2024/home.html
6. Cultvision 2024 was organized at IACS on September 15 and 16th. For details on the programme, please check the link <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=661>
7. Tagore Memorial Lecture was organized by Shri Sirshendu Mukhopadhyay on 21st March 2024 at MLS Hall, IACS. For details, check <https://www.iacs.res.in/maincontroller.php?navid=24&subnavid=110&resubnavid=662>