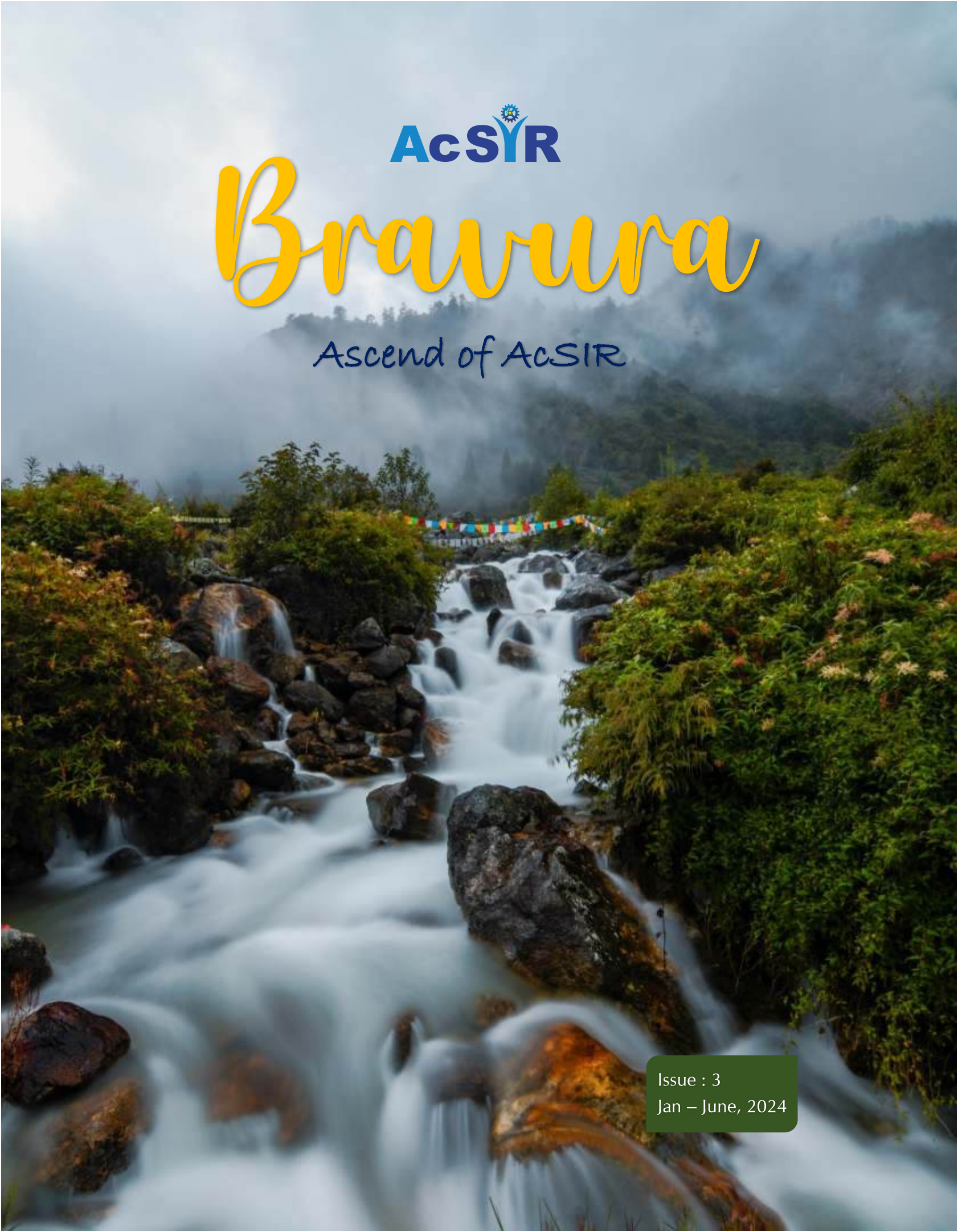


The logo for AcSIR, featuring the letters 'AcSIR' in a bold, blue, sans-serif font. Above the letter 'I' is a small blue gear icon with a white sun-like symbol in the center.

AcSIR

Bravura

Ascend of AcSIR

A long-exposure photograph of a waterfall cascading over dark, wet rocks in a lush green forest. The water is blurred, creating a sense of motion. In the background, a string of colorful prayer flags is visible against a misty, mountainous landscape.

Issue : 3
Jan – June, 2024

Top Cover page photo credit: **Abhishek Mandal**, PhD Scholar, CSIR-CMERI, Durgapur

Back Cover page photo credit: **Ekta**, PhD Scholar, CSIR-IIP, Dehradun

PUBLISHED & COPYRIGHTS:

Academy of Scientific and Innovative Research (AcSIR)
CSIR- Human Resource Development Centre, (CSIR-HRDC) Campus,
Sector 19, Kamla Nehru Nagar,
Ghaziabad - 201 002.
Uttar Pradesh, India.
www.acsir.res.in

Content

Message
Director 03

Highlights
Indian International Science Festival 04
International Academic Collaboration 09
AcSIR Science Club 15

Achievements
Students Achievements 43
Faculty Achievements 57

Activities
Extracurricular Activities 65



RMIT campus, Australia



Pongal Festival, CSIR-CECRI



Health Camp, CSIR-NEERI, Nagpur



SAMYUKTH, CSIR-IICT, Hyderabad

Director's Message

“The Academy of Scientific and Innovative Research has reached a new milestone, securing the 9th rank in India according to the Center for World University Rankings (CWUR)”



I am delighted to share some remarkable milestones that underscore AcSIR's dedication to excellence in STEM education and research. These achievements are a testament to the collaborative efforts and unwavering commitment of our faculty and students.

AcSIR has attained an impressive ranking, securing 9th position among institutions in India and 798th globally out of 20,966 institutions. This recognition highlights our leadership in STEM fields and affirms the global relevance of our academic and research contributions. It reflects the sustained efforts of our faculty, students, and staff in driving innovation and academic excellence.

During the recent India International Science Festival (IISF) in Faridabad, AcSIR had the privilege of presenting its groundbreaking research and innovative projects. This prestigious platform allowed us to engage with leading scientists and experts from around the world, reinforcing our role as a vital contributor to the global scientific community. The IISF experience also highlighted our commitment to fostering collaboration and advancing scientific knowledge.

On the international front, AcSIR has reached a significant milestone by partnering with the University of Turku, Finland, through a Memorandum of Understanding (MoU). This transformative collaboration opens doors to joint research initiatives, academic exchanges, and shared learning opportunities, enhancing our mission to provide world-class education and

research experiences. It signifies a crucial step forward in our journey toward global engagement.

These accomplishments are made possible through the steadfast support of our Chancellor, Director General CSIR, the Board of Governors, the Senate, our distinguished faculty, and our talented students. Their dedication and passion for achieving excellence continue to propel AcSIR to new heights of recognition and impact.

As we celebrate these successes, we also embrace the future with a renewed sense of purpose. Our mission remains to set the highest standards in education, research, and innovation, ensuring that AcSIR continues to address global challenges and create meaningful contributions to society. Together, we will build on these achievements and establish new benchmarks in academia and research.

Let us draw inspiration from these accomplishments as we strive for even greater heights, ensuring that AcSIR remains a beacon of excellence and a leader in the academic and scientific world.

Prof. Manoj K. Dhar
Director, AcSIR

AcSIR @ IISF

Indian International Science Festival

17th to 20th January, 2024

at DBT THSTI - RCB Campus, Faridabad



Innovate @ AcSIR

At the Indian International Science Festival (IISF), the participation of the Academy of Scientific and Innovative Research (AcSIR) marked a significant milestone. The event witnessed an enthusiastic response from both school and college students, with over 5000 visitors eagerly flocking to the AcSIR stall to quench their curiosity about this institution.

For many attendees, this was their first introduction to AcSIR, sparking a surge of interest in understanding its role and offerings. The engagement at the stall provided invaluable insights into the facilities and opportunities AcSIR provides, thereby fostering a deeper connection between STEM education and the students' aspirations for higher studies. This interaction played a pivotal role in clarifying their vision for scientific pursuits, offering a clearer path forward for those considering advanced studies in India.

The presence of prominent figures such as top leaders, scientists, entrepreneurs, and professors further enhanced the impact of AcSIR's participation. Their interactions with the AcSIR team yielded positive feedback, validating the institution's contribution to the scientific community and its potential to shape the future of science education in the country.

In addition to engaging with visitors, AcSIR ensured that attendees left with tangible resources to delve deeper into its offerings. Flyers and brochures were distributed, providing detailed information about AcSIR's programs and opportunities for aspiring students.

Moreover, AcSIR students actively participated in various activities organized as part of IISF and showcased their talent, securing prizes and accolades. This not only highlighted the caliber of students associated with AcSIR but also served as a testament to the institution's commitment to nurturing scientific talent and fostering excellence in research and innovation. Overall, AcSIR's participation at IISF proved to be a resounding success, leaving a lasting impression on attendees and reinforcing its role as a premier institution for scientific education and research in India.



Bravura, Ascend of AcSIR (Jan-June, 2024)



AcSIR @ IISF 2023



AcSIR PhD Scholars & Faculty at IISF



Winners at IISF

Rakesh Upadhyay

Enrolment No: 20EE22J12014
CSIR-CMERI, Durgapur

2nd Position in National Level Poster Competition on the topic "Green Transport Technology" held during one day outreach activity under the banner of India International Science Festival 2023" organized by CSIR-CRRI.



Dr. Siksha Swaroop Kar

Principal Scientist, CSIR-CRRI, New Delhi
Best poster award in Young Scientist Conference



International Academic Collaboration

Joint PhD Degree Program (Cotutelle Mode)



RMIT University, Melbourne

AcSIR's Flourishing Academic Collaborations in Australia

RMIT University

Expanding Global Opportunities for Students

In February 2024, the Director, AcSIR, accompanied by a delegation, embarked on a significant visit to Melbourne, Australia, to strengthen and expand AcSIR's international academic collaborations. The visit underscored the growing success of AcSIR's partnerships with RMIT University and Deakin University and explored new opportunities with the University of Melbourne. These engagements continue to provide AcSIR students with world-class research exposure, not only within India but also in some of Australia's most prestigious institutions.

Strengthening Ties with RMIT University

AcSIR's collaboration with RMIT University dates back to 2017 and was successfully renewed in 2022. Over the years, this partnership has strengthened significantly, with a steady increase in the number of admissions under this program. Currently, approximately 25 students have already been awarded PhDs under this flagship program. The students enrolled in this program are receiving life-changing opportunities, gaining exposure to cutting-edge research, and experiencing world-class academic facilities. Many students have expressed immense satisfaction and gratitude for being part of this transformative program.



Director, AcSIR with AcSIR-RMIT joint PhD students at RMIT Bundoora Campus

The delegation visited various RMIT campuses, engaging in critical discussions to further enhance the ongoing Joint PhD Program.

At the Bundoora Campus, a meeting with the Faculty of Health & Medical Science and Engineering was held on February 14, 2024. Discussions revolved around the newly introduced Medical Research faculty in collaboration with the Indian Council of Medical Research (ICMR). The RMIT faculty expressed enthusiasm for the initiative, particularly in integrating traditional medicine into the program. This expansion is expected to enhance student intake and foster interdisciplinary research opportunities.



Director and Associate Director, AcSIR meeting with Scientists from CSIRO, Australia at RMIT University

The visit also included an interaction with onshore AcSIR candidates at RMIT's Council Chambers, where students presented their research progress, receiving valuable feedback. Additionally, an administrative and academic meeting with the School of Graduate Research Team addressed key procedural aspects for future student intakes. Notable outcomes included streamlining enrolment processes, reinforcing the requirement of a minimum three-year enrolment period at both institutions, and refining the thesis examination process to align with RMIT's academic framework.

Further discussions with RMIT's Deputy Vice-Chancellor (Research and Innovation), Prof. Calum Drummond, and program supervisors led to new initiatives, such as an online induction program, increased engagement between supervisors from both institutions, and structured progress monitoring. These measures will further refine the AcSIR-RMIT Joint PhD Program, ensuring a seamless academic experience for students.

As part of their visit, the delegation also toured RMIT's advanced research facilities, appreciating the

cutting-edge infrastructure and resources that significantly enhance the learning and research experience for students.



Director, AcSIR visit at RMIT Bundoora Campus



Director, AcSIR with the Faculty of RMIT University at RMIT City Campus



AcSIR Delegation with senior leadership, faculty and students of RMIT University



Director, AcSIR with AcSIR-RMIT joint PhD students at RMIT Bundoora Campus

Deakin University

Revitalizing Engagement with Deakin University

The AcSIR delegation visited Deakin University's Geelong WP campus on February 13, 2024, where discussions were held with Prof. Svetha Venkatesh, Co-Director of the Applied Artificial Intelligence Institute. While the Joint PhD Program with Deakin had seen slow progress, positive deliberations led to a commitment from Deakin to increase student intake by offering three additional scholarships for the next enrolment cycle.

Meetings at the Institute of Frontier Materials further reinforced Deakin's intent to redistribute funds and expand research in STEM fields. With an emphasis on fostering a more robust academic exchange, both institutions aim to enhance research collaborations and improve student opportunities within the Joint Degree Program.

The delegation also toured Deakin University's state-of-the-art laboratory facilities, acknowledging the university's commitment to providing world-class research infrastructure for students.



AcSIR Delegation at Deakin University, Geelong Campus

University of Melbourne

Expanding Horizons: Prospective Collaboration with the University of Melbourne

A major highlight of the visit was the meeting with senior faculty members at the University of Melbourne on February 12, 2024. Held at the Parkville Campus, the discussions focused on establishing an academic partnership between AcSIR and the University of Melbourne, akin to the institution's existing collaborations with five other Indian universities. The meeting yielded promising results, with a follow-up meeting in India, leading to the successful finalization of the collaboration. This upcoming partnership will open new avenues for AcSIR students, providing them access to one of the world's top 20 universities as per the QS World Rankings.



AcSIR Delegation at the University of Melbourne



AcSIR

Science Club

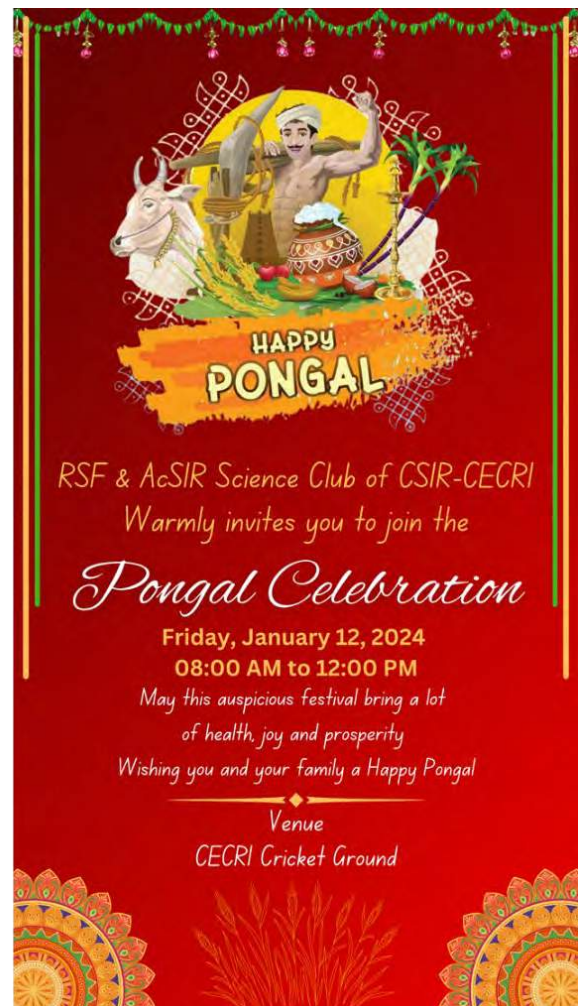
AcSIR Science club at CSIR-CECRI, Karaikudi

Pongal Celebration-2024

Date: 12-01-2024 (Friday) **Venue:** Playground, CSIR-CECRI, Karaikudi.

Event Overview:

The Science Club organized a grand celebration of Pongal, the harvest festival, on January 12, 2024 in association with Research Scholar's Forum of CECRI. This event was inaugurated by Dr. K. Ramesha, Director, CSIR-CECRI. The event aimed to blend cultural heritage with scientific understanding, providing students with a unique opportunity to appreciate the intersection of tradition and integrity.



Event Objectives:

Cultural Awareness: To celebrate the significance of Pongal and its rituals, bringing together people from various parts of India who are part of the CECRI family.

Community Building: To foster a sense of community and collective participation among students and faculty.



Program Overview:

The celebration featured a diverse range of activities, including traditional rituals such as Pongal making traditionally, Rangoli, pot hitting, tug of war, pani poori eating and slow cycle race. These activities were meticulously planned to ensure that participants not only had fun but also gained insights into the cultural practices associated with Pongal.

Arrival of the Director:

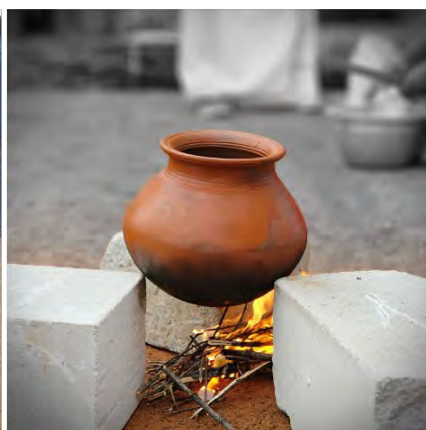
The function commenced with the arrival of Dr. K. Ramesha, Director, CSIR-CECRI, who was greeted with a warm welcome by the organizers and participants. Dr. Ramesha inaugurated the event by lighting the traditional

lamp, symbolizing the beginning of the festivities. His presence added a prestigious touch to the celebration, emphasizing the importance of cultural heritage in a scientific environment.

Dr. Ramesha delivered an inspiring speech, highlighting the significance of Pongal as a harvest festival that brings people together to celebrate the bounty of nature. He emphasized the role of such cultural events in fostering a sense of unity and belonging among the members of the CECRI family. Dr. Ramesha also praised the efforts of the AcSIR Science Club and the Research Scholar's Forum for organizing the event, encouraging them to continue promoting cultural and scientific integration.

Program Details:

- Following the inauguration, the festivities began with the traditional Pongal making ceremony, where participants prepared the Pongal dish using traditional methods. This activity was a highlight, showcasing the importance of this dish in the Pongal celebrations and allowing participants to experience the joy of cooking together.
- The Rangoli competition displayed the artistic talents of the students, with vibrant and intricate designs adorning the venue.
- The pot hitting event was another crowd-puller, where participants, blindfolded, attempted to hit a pot filled with goodies, symbolizing the breaking of barriers and the sharing of prosperity.
- The tug of war competition brought out the spirit of teamwork and friendly rivalry among the participants.
- The slow cycle race added a unique twist to the celebrations, challenging participants to maintain balance and composure while cycling slowly.
- One of the most exciting additions to the program was the pani poori eating contest. This event saw participants competing to see who could eat the most pani pooris in a set amount of time. The contest was a hit, drawing loud cheers and laughter from the audience, and adding a fun, light-hearted element to the celebrations.





Attendance:

The event saw enthusiastic participation from over 200 students, faculty members, and administrative staff of CECRI. The diverse range of activities ensured that there was unity among everyone, making the event inclusive and engaging for all attendees.

Conclusion:

The Pongal celebration organized by the Science Club successfully achieved its objectives of promoting cultural awareness, scientific understanding, and community building. By integrating traditional festivities, the event provided a holistic learning experience that was enjoyable. The presence and support of Dr. K. Ramesha underscored the significance of such cultural events in fostering a cohesive and vibrant academic community. The event not only celebrated the rich cultural heritage of India but also strengthened the bonds among the members of the CECRI family, making it a memorable occasion for all who attended.



National Science Day

National Science Day (NSD) is being celebrated in India on February 28th every year to commemorate the discovery of Raman Effect on this day in 1928 by Indian Physicist Sir C.V. Raman. CSIR-Central Electrochemical Research Institute, Karaikudi, a pioneering and exclusive institute for electrochemical research established about 75 years ago in 1948, organizes every year a number of events in celebrating and popularizing National Science Day. The NSD-2024 events included competitions such as Essay, Poster, Oral, Science Photography, Graphical Abstract & Working Model exhibitions for AcSIR PhD Scholars, Project Assistants, B. Tech. Students, and other staff members of CSIR-CECRI. All these activities were focused towards the Theme of NSD-2024, "Indigenous Technologies for Viksit Bharat", as designated by the Govt. of India.

Distinguished Prof. Suresh Bhargava, Dean, Research & Innovative Research Partnerships (India), RMIT University, Australia delivered the National Science Day Lecture at CSIR-CECRI, Karaikudi on 26th February 2024. The event began with invocation followed by Welcome Address by Dr. Subbiah Alwarappan, Principal Scientist, CSIR-CECRI. Dr. K. Ramesha, Director, CSIR-CECRI delivered the presidential address in which he recalled the struggles and perseverant efforts of Sir C.V. Raman towards his achievements in science especially the Nobel Prize winning work. In spite of all his intimidating

issues, Sir C. V. Raman was inspired and determined to pursue his passion in finding solutions to scientific problems, he remarked.

Prof. Bhargava, in his NSD Lecture on Building with Bubbles: Creating Unique Nano Surfaces for Different Applications highlighted his group's research outcome in this niche area and the exciting prospects lying ahead in its multifarious applications. At the beginning, he fondly remembered his active association with CSIR in various R&D and academic programmes with a special mention on the signing of MoU between the Academy of Scientific and Innovative Research (AcSIR) and RMIT. He also recognized and acknowledged the invaluable contributions of his mentors, Prof. CNR Rao and Dr. R.A. Mashelkar, to the Indian Science and Society as a whole. Prof. Bhargava also informed the audience, particularly the young researchers, on the multiple options of pursuing their research career at RMIT, Australia mainly on the many student exchange programs on offer. At the end of his illuminating lecture, he divulged his RRR mantra for success [Recognise, Remember, Reciprocate] and answered the queries of the scholars with intrinsic details. The lecture turned out to be an eye-opener and ignited the passion for doing perseverant research among the scholars. The event ended with a Vote of Thanks by Dr. P. Murugan, Sr. Principal Scientist and AcSIR Coordinator, CSIR-CECRI.



The various events organized by CSIR-CECRI in celebrating NSD-2024 are:

ESSAY COMPETITION

This event was organized exclusively for the B.Tech. (Chemical & Electrochemical Engineering) students of CSIR-CECRI in which a large number of students actively participated. The competition provided a platform to explore and articulate the significance of indigenous technologies in the context of Viksit Bharat.

POSTER PRESENTATION

This competition, conducted for research scholars and staff members, was highly engaging and enriching event as the participants showcased their innovative work through posters. This event paved way for dissemination of their research findings and also fostered collaboration, exchange of ideas and new networking opportunities among the participants.

WORKING MODEL

In this competitive exhibition of working models, AcSIR PhD scholars exhibited their experimental findings which enabled gathering of feedback, validation of the concept and tweaking for moving ahead with its development and deployment.



ORAL PRESENTATION

All the scholars (in their 3rd to final years) were given this opportunity to present their topic of choice with a special emphasis on the theme of NSD-2024. The participants shed light on highly interesting unexplored areas and impressed the audience with their oratorical skills. Competitions like these will sharpen their skills more and prepare them with immense self-belief to present before larger audiences.

TED TALK

TED Talk was open for all the PhD scholars and project staff on trending topics. The presented topics were so engaging and overarching the goal of ideas worth spreading. The presenters were encouraged to present innovative and thought-provoking concepts that have the potential to inform, inspire or spark meaningful discussions on many emerging trends including AI, Social Media, etc.

SCIENCE PHOTOGRAPHY & GRAPHICAL ABSTRACT

PhD scholars and project staff were encouraged to use their imagination and creativity in showcasing the best electron microscopic images from their research work through Science Photography competition.

Expressing the work in a pictorial representation is an art. The Graphical Abstract creation competition was conducted to motivate the scholars.



Intra-Campus Quiz Competition: A Battle of Scientific Brilliance

Date: 24-04-2024 (Wednesday) **Venue:** Abdul Kalam Auditorium, CSIR-CECRI, Karaikudi.

Event Overview:

The AcSIR Science Club at CSIR-CECRI organized an intra-campus quiz competition designed to ignite a passion for science, foster critical thinking, and promote collaboration among research scholars. This event, held on April 24, 2024, attracted enthusiastic participation from research scholars and project staff within CSIR-CECRI, Karaikudi.

Participants:

The competition welcomed AcSIR Scholars, Project staff, and Research Associates from CSIR-CECRI.

Registration Process:

Commencing on April 17, 2024, the registration process involved circulating the registration form along with comprehensive rules and regulations among AcSIR students and Project staff. Key highlights included:

- The competition format comprised team-based quizzes with rounds such as Preliminary elimination, Rapid fire, Audio-visual, and Buzzer rounds.
- Cash prizes totaling Rs. 6000 were allocated to the top three teams.
- Participation was open to Research Scholars and Project Staff, with teams of three required, including at least one PhD Scholar.

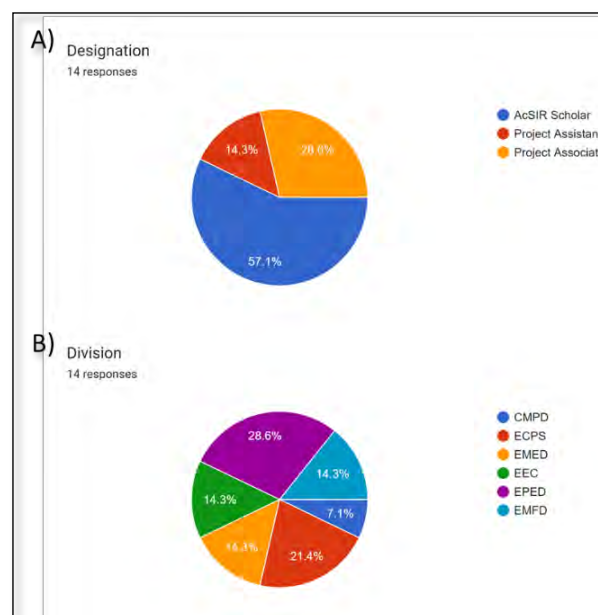
By April 22, 2024, 14 teams had officially registered for the quiz competition. However, on the day of the event, an extra two teams spontaneously signed up, swelling the total number of participating teams to 16. The registration statistics showcased diverse participation from different designations within CSIR-CECRI, as illustrated in Figure 1.

Picture 1: A) The pie chart above illustrates the distribution of registered team members based on their designation within the CSIR-CECRI community and B) The second pie chart depicts the division-wise distribution of registered team members.

Judges:

The competition was officiated by a panel of our scientists as esteemed judges who brought their expertise and impartiality to the event:

Dr. S. M. Senthil Kumar	(Principal Scientist)
Dr. Poonam Singh	(Principal Scientist)
Dr. C. Jeyabharathi	(Senior Scientist)
Dr. P. Tamilarasan	(Senior Scientist)
Dr. R. Malini	(Senior Scientist)
Dr. S. T. Nishanthi	(Senior Scientist)



Competition Rounds

Preliminary Round:

During the preliminary round, all teams underwent a comprehensive assessment. A multiple-choice questionnaire consisting of 25 questions was administered, with correct answers fetching 4 points and incorrect responses incurring a deduction of 1 point. Teams were allotted 30 minutes to complete the screening test, with strict adherence to regulations prohibiting the use of electronic devices, notebooks, and similar aids. Following the evaluation, the top five scoring teams were selected to advance to the main rounds of the competition.

Figure 2 illustrates the distribution of students participating in teams during the preliminary rounds of the quiz competition.



Picture 2: Participation of Teams in the Preliminary Rounds.

Main Rounds:

- Five teams have been shortlisted to progress to the main rounds, which are comprised of three sections (The Five-Question Fusion Round, The Buzzer Round and the Rapid Fire).
- Throughout the main rounds, questions were intermittently directed towards the audience to ensure their active engagement and participation in the event.
- This interactive approach served to enhance the overall experience and maintain a high level of excitement among the attendees.

Figure 3 presents the list of teams selected to proceed to the main rounds of the quiz competition.



Picture 3: Shortlisted teams for the main rounds.

(i) The Five-Question Fusion Round:

The Five-Question Fusion Round marked the commencement of the main round in the quiz competition.

- To uphold fairness and impartiality, team numbers were randomly assigned through a lottery system, ensuring equal opportunities for all teams regardless of their size or composition. Questions were meticulously curated and categorized into five distinct areas of knowledge, aiming to offer participants a well-rounded assessment spanning from foundational principles to advanced concepts.

<p>R1</p> <p>Electro-Witty-Chemistry Round</p> <p>Sparks fly as you delve into the electrifying world of electrochemistry books and papers!</p>	<p>R2</p> <p>Noble (Prize) Pursuit</p> <p>Join the pursuit of knowledge as we explore the laureates and their noble achievements!</p>	<p>R3</p> <p>Days of Significance</p> <p>Let's mark our calendars with memorable moments, from lab victories to global celebrations!</p>
<p>R4</p> <p>Sporty Science Spectacle</p> <p>Get ready to break records and have a ball in this fusion of sports and scientific trivia!</p>	<p>R5</p> <p>Genius Gen(ler)ation</p> <p>It's time to flex those mental muscles and explore the vast expanse of general knowledge!</p>	

- The sequence of questions followed a structured pattern, with each category being assigned to a specific team. This deliberate approach ensured an equitable distribution of questions among the participating teams, thereby mitigating any potential biases in question allocation. By adhering to a predetermined flow, the quiz maintained a level playing field for all participants.
- Points were awarded based on the correctness and depth of the responses. A correct answer demonstrated a thorough understanding of the subject matter and earned the team 10 marks. Additionally, teams had the option to pass on a question, albeit at a reduced point value of 5 marks. This strategic choice allowed teams to optimize their score while navigating through the challenges posed by the quiz. Partial answers were also acknowledged, with the first attempt earning higher points compared to subsequent passes. This incentivized teams to engage actively with the questions, promoting a culture of participation and learning.
- To maintain the pace and intensity of the competition, teams were allotted a strict time limit of 30 seconds to respond to each question. This time constraint encouraged participants to rely on their knowledge and quick thinking, adding an element of excitement and urgency to the round. By imposing a time limit, the quiz event ensured a dynamic and engaging experience for all participants.



Picture 4: Photographs taken during quiz competition.

(ii) Buzzer Round:

Following the initial round, the quiz proceeded to its second segment known as "The Buzzer Round".

- Questions for the buzzer round were visually presented on a screen, ensuring clarity and visibility for all participating teams. This format facilitated equal access to the questions, enabling teams to engage effectively with the content and ensuring a level playing field.

- The incorporation of a buzzer system introduced an element of competition and urgency to the round. Teams were encouraged to rely on their reflexes and confidence in buzzing in to answer, adding an interactive dimension to the quiz and enhancing the overall excitement of the event.
- To maintain order and fairness, responses were solicited from teams in a predetermined sequence, as determined by the quizmaster. This systematic approach ensured that each team had an equal opportunity to respond to the questions posed, contributing to the integrity of the competition.
- Points were awarded solely based on the accuracy of responses, reinforcing the importance of precision and knowledge retention. Correct answers were generously rewarded with 10 marks, motivating teams to strive for excellence in their responses and promoting a culture of academic rigor.

(iii) Rapid Fire Round:

The last segment of the competition was the Rapid Fire Round.

- This round featured a dynamic presentation of five questions per team, displayed prominently on a screen for all participants to see. The visual format ensured clarity and accessibility, enabling teams to quickly assess and respond to each question, contributing to the fast-paced nature of the round.
- With a stringent time constraint of 30 seconds allocated for answering all five questions, teams were challenged to think swiftly and efficiently. This rapid-paced format heightened the intensity of the round, testing participants' ability to recall and apply their knowledge under pressure and fostering a sense of urgency and excitement.
- Unlike previous rounds, there was no provision for passing on questions during the Rapid-Fire Round. Teams were required to engage actively with each question, reflecting their breadth of understanding and readiness to respond across a diverse range of topics, enhancing the competitive nature of the event.
- Each correct answer was rewarded with 10 marks, emphasizing the significance of accuracy and precision in responses. This incentivized teams to prioritize accuracy while maintaining a rapid pace, striking a balance between speed and correctness to maximize their score and promote a culture of academic excellence.

Result Announcement:

Following the conclusion of the main rounds, the pinnacle of the intra-campus quiz competition arrived with the announcement of the top three teams boasting the highest cumulative scores. The team achieving the highest score was crowned the winner, followed by the first runner-up and the second runner-up, respectively with cash prizes and merit certificates. This recognition underscored the outstanding performance and exceptional knowledge demonstrated by these teams throughout the competition.

Winners:

After a series of challenging rounds and intense competition, the following participants emerged victorious:

- 1st prize: Mr. V. Bharathi Mohan, Mr. R. Robin & Mr. P. Ravichandar
- 2nd prize: Mr. P. Sriram, Ms. G. Anagha & Mr. R. Ram Prasanth
- 3rd prize: Mr. V. Prabhu, Mr. S. Gokulnath & Mr. K. Gurunathan

1st prize



2nd prize



3rd prize



Picture 5: Photographs of prize winners and group photo with judges.

The intra-campus quiz competition proved to be more than a mere test of knowledge; it served as a platform for fostering collaboration, critical thinking, and scientific inquiry among the participants. By engaging in spirited competition and showcasing their intellectual prowess, participants not only honed their skills but also contributed to a vibrant academic community dedicated to the pursuit of knowledge and excellence

Exploring Scientific Frontiers: Expert Talk by Dr. Kannan Srinivasan

Date: 20-05-2024 (Monday)

Venue: Abdul Kalam Auditorium, CSIR-CECRI, Karaikudi.

CSIR-CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI
AcSIR SCIENCE CLUB
Expert talk
by
Dr. Kannan Srinivasan
Director, CSIR - Central Salt and Marine
Chemicals Research Institute (CSMCRI),
Bhavnagar
20 May, 2024 | Monday | 4.00 to 5.00 P.M.
Venue: Abdul Kalam Auditorium, CSIR-CECRI
****All are invited****

AcSIR Science Club, CSIR CECRI
organizes
Expert Talk
Programme
Welcome address Mr. Murugasenapathi N K
President, AcSIR Science Club,
CSIR-CECRI
Introductory remarks Dr. K. Ramesha
Director
CSIR-CECRI
Expert talk Dr. Kannan Srinivasan
Director
CSIR-CSMCRI
Vote of Thanks Mr. Nandhigana Pardhasarathi
Secretary, AcSIR Science Club,
CSIR-CECRI
Venue:
Abdul Kalam Auditorium, CSIR-CECRI, Karaikudi
Date: 20.05.2024 (Monday) Time: 16:00-17:00

Introduction

On May 20, 2024, the AcSIR Science Club at CSIR-CECRI hosted an expert lecture designed to enhance the scientific knowledge and curiosity of research scholars. The event, held in the APJ Abdul Kalam Auditorium, attracted a substantial audience, including students, staff, scientists, and undergraduate students. The guest speaker was Dr. Kannan Srinivasan, Director of CSIR-CSMCRI, Bhavnagar, a renowned solid-state chemist from the Central Salt and Marine Chemicals Research Institute, celebrated for his groundbreaking work in the discovery and study of heterojunction catalysis.



Objective

The lecture aimed to motivate research scholars and provide a comprehensive understanding of the latest advancements in chemistry, particularly focusing on research careers. Additionally, it sought to inspire the student community by exposing them to cutting-edge scientific discoveries and the broader implications of electrochemistry exploration.

Event Proceedings

Welcome Address

The event commenced with an invocation and a welcome address by Mr. N. K. Murugasenapathi, President of the AcSIR Science Club. He emphasized the importance of such lectures in fostering a scientific mindset and encouraged students to actively engage with the club's activities.



Introduction of the Speaker and Honoring Ceremony

Following the welcome address, Dr. K. Ramesha, Director of CSIR-CECRI, introduced Dr. Kannan Srinivasan. He provided an overview of Dr. Srinivasan's distinguished career, highlighting his significant contributions to heterojunction catalysts and his involvement in salt and marine applications. After the introduction, Dr. Srinivasan was honored with a shawl and memento by Dr. Ramesha, Director of CSIR-CECRI.



Keynote Lecture by Dr. Kannan Srinivasan

Dr. Kannan Srinivasan began his lecture by expressing his gratitude for the invitation and his enthusiasm for sharing his work with the audience.



Key Topics Covered

Role of Researchers: Dr. Srinivasan discussed the role of researchers in their respective fields, addressing both their interests and the challenges they face, particularly in technological development.

Potassium-based Materials: He noted that potassium-based materials are frequently used in research and are imported due to India's insufficient potassium production. He highlighted a process where sugarcane bagasse is converted to ethanol and discussed recent studies on extracting potassium from sugarcane bagasse. This extraction method could significantly enhance NPK fertilizer production, benefiting agriculture.

Seaweeds as Growth Promoters: Dr. Srinivasan discussed the use of seaweeds as growth promoters for plants. Various algae, commonly used as thickening agents and preservatives, have been proven to be effective fertilizers. He emphasized the upcoming establishment of a large-scale plant near Rameshwaram, which will implement CSIR-developed technology to harness these benefits for agriculture.

Closing Remarks: The event concluded with closing remarks by Mr. Nandhigana Pardhasarathy, Secretary of the AcSIR Science Club. He thanked Dr. Kannan Srinivasan for his enlightening presentation and the audience for their active participation. He encouraged students to pursue their scientific interests and maintain their curiosity about electrochemistry.

Conclusion: The expert lecture organized by the AcSIR Science Club was a resounding success, inspiring and educating attendees about the observation and scale-up in research. The insights shared by Dr. Kannan Srinivasan have undoubtedly sparked a renewed enthusiasm for scientific exploration among the participants.



AcSIR Science Club at CSIR-NEERI, Nagpur

The following AcSIR students' representatives for the Science Club:

President

Ms. Anshika Yadav

Vice-President

1. Siddarth Tomar
2. Niranjini Soman

Treasurer

Neha Hatwar

Secretaries

1. Himanshu Tiwari
2. Tanya Saharan
3. Diwakar Mourya



Health Camp at CSIR - National Environmental Engineering Research Institute, Nagpur

Date: 19 - 27 February 2024

Introduction:

A health camp was organized at CSIR - National Environmental Engineering Research Institute (NEERI) in Nagpur, with the objective of promoting wellness and healthcare awareness among the community. Led by the AcSIR Science Club and supervised by Dr. Shilpa Paranjape, the camp aimed to contribute to the vision of a healthier India.

The PI-CHeCK project, initiated by CSIR, is a pioneering endeavor aimed at identifying India-specific risk factors for cardio metabolic diseases. This groundbreaking study, conducted in collaboration with experts and participants from various CSIR labs nationwide, aims to offer valuable scientific insights, representing a significant step towards personalized and precision medicine. It is a long-term cohort study designed to encompass the diverse Indian population. With participation from labs across the country, the study will gather comprehensive data, including clinical questionnaires, lifestyle and dietary habits, body composition measurements, scanning-based assessments, blood biochemistry, and molecular assay-based data.

Participation:

The camp at CSIR-NEERI witnessed the participation of over 200 individuals, demonstrating a strong commitment to health and well-being within the NEERI community. This turnout underscored the importance placed on proactive health management and preventive care.

Initiatives:

Under the guidance of Dr. Atul Vaidya, the camp offered comprehensive health check-ups and consultations to all participants. Various health parameters were assessed, and personalized guidance was provided to address individual health concerns. The camp served as a platform for promoting healthy lifestyle practices and fostering a culture of wellness.

Conclusion:

The health camp at CSIR-NEERI Nagpur was a resounding success, thanks to the collaborative efforts of the AcSIR Science Club, medical staff, and community members. By prioritizing health and well-being, the camp contributed to the overarching goal of building a healthier India. Such initiatives play a crucial role in raising awareness about preventive healthcare and empowering individuals to take charge of their health.

Prepared by :

Siddharth Singh Tomar

Vice President AcSIR Science Club, CSIR-NEERI



Intellectual Rights Awareness Program Enlightens Scientists and Students

Under the esteemed leadership of Director Dr. Atul Vaidya and AcSIR Coordinator Dr. S. Devi, a pioneering Intellectual Rights Awareness cum Interactive Programme was conducted on April 30, 2024, at CSIR-NEERI. Dr. Sushant Wath, IPR Coordinator, played a pivotal role in organizing the event, which was facilitated by the Science Club.

The event aimed to shed light on the significance of Intellectual Property Rights (IPR) and foster an interactive platform for scientists and students to engage in discussions regarding patents, particularly focusing on the CSIR-NEERI IPR Portfolio.

The program commenced with a comprehensive decadal overview, starting from 1968, where the NEERI initiated its journey with five patents, encompassing innovations such as chlorine tablets, iodine tablets, and various coagulants. Over the last decade (2012-2023), the NEERI has significantly escalated its patent filings, totalling around 92, with an impressive 72 patents granted. Notably, in 2024 alone, three pioneering patents have been granted, including the Firecracker Safe Water and Air Releaser (SWAS), Safe Thermite Cracker (STAR), and Safe Aluminium Less Cracker (SAFAL). These inventions stand as remarkable contributions towards enhancing safety and sustainability in various domains. The participants, comprising both scientists and students, were enriched with valuable insights into the intricacies of filing patents in both the Indian and US jurisdictions. Through resourceful links and detailed discussions, they were acquainted with the step-by-step process involved in patent filing, thereby empowering them to protect their innovative ideas effectively.

Dr. Atul Vaidya, expressing his thoughts on the event, emphasized the paramount importance of IPR awareness in fostering a culture of innovation and safeguarding intellectual assets. He commended the efforts of all involved in organizing such a significant initiative, highlighting its relevance in the contemporary landscape of scientific research and technological advancements. Dr. S. Devi reiterated the imperative role of educational



institutions and research organizations in nurturing a conducive environment for innovation and entrepreneurship. She stressed the need for continuous learning and collaboration to leverage the potential of intellectual property rights for societal benefit. Dr. Sushant Wath, NEERI IPR Coordinator, emphasized the transformative impact of patents in translating scientific discoveries into tangible solutions for real-world challenges. He encouraged participants to actively engage in patenting their innovations, thereby contributing to the nation's growth trajectory.

The success of the Intellectual Rights Awareness Programme underscores the commitment of NEERI and its stakeholders towards fostering a culture of innovation and knowledge dissemination. Such initiatives not only empower individuals to protect their intellectual creations but also pave the way for transformative advancements that address pressing global concerns.

In conclusion, the event served as a significant milestone in fostering intellectual rights awareness and stimulating collaborative efforts towards driving innovation-led growth. With the relentless pursuit of knowledge and innovation, NEERI and its affiliates are poised to make enduring contributions towards building a sustainable and prosperous future.

Anshika Yadav

Science Club President,
CSIR-NEERI



AcSIR Science Club at BSIP

The quiz competition among AcSIR scholars, hosted by the AcSIR Science Club as part of its March event at the Birbal Sahni Institute of Palaeosciences, Lucknow, took place on March 28, 2024. This engaging competition comprised two parts: a general awareness section and a segment focused on identifying famous scientific personalities. A total of 16 students, forming 8 teams designated from A to H, enthusiastically participated in this event. In the initial round, Team B and Team H showcased exceptional performance, securing the top position, followed by Teams A and F in second place, and Teams C and E in third place. These teams advanced to the second round, where they were tasked with identifying renowned scientific figures. In the subsequent round, Teams B and H once again demonstrated their prowess by correctly guessing the highest number of scientific personalities, thereby clinching the top ranks. The seamless execution of the entire event was credited to Mr. Prashant Mohan Trivedi, Vice-President of the AcSIR Science Club, whose meticulous organization ensured a smooth and enjoyable experience for all participants. We extend our heartfelt congratulations to all the participants for their enthusiasm and dedication.



April 2024

On the occasion of the World Earth Day, BSIP-AcSIR Science club organised an outreach program with students of SS High School, Jharkhand on 22nd April 2024 at Mandro Fossil Park Sahibganj, Jharkhand. The program was aimed to celebrate and train the young minds of the nation and the local community towards the awareness, promotion, and conservation of the geo-wealth of India. AcSIR research scholars conducted a Geo-trekking tour to Mandro Fossil park, an important Geoheritage site of India explaining the students about fossils, Geoheritage and their preservation.



The scholars also briefed the students of PM SHRI Jawahar Navodaya Vidyalaya, Kendriya Vidyalaya and St. Xaviers School about the career opportunities in the field of Geology and Earth Sciences. Ramanand Sagar, Senior Research Fellow, presented a talk entitled 'Connecting Geology with Sustainability', and explained to the students about holistic evolution of the earth. Anand Rajoriya, Senior Research Fellow, explained the importance of the Geo-heritage and significance of Rajmahal Hills and Mandro Fossil Park to the students.

Suraj Kumar Sahu, along with other scholars trained the forest guards and the local population of Mandro Fossil Park to guide the visitors to the fossil park. Thereafter, a quiz competition was organised for the students in their respective schools and winners were appreciated with certificates. Around 400 students participated in this outreach program, planned and executed by the BSIP-AcSIR research scholars to commemorate the World Earth Day celebrations with students from Sahibganj, Jharkhand.



May 2024

As part of scientific activity for the month of May, AcSIR Science Club conducted the chess tournament for the AcSIR research scholars on 31st May 2024 at the Birbal Sahni Institute of Palaeosciences, Lucknow, India, the birthplace of chess, is marking itself in the World Chess Championship by the young prodigies like Praggnanadhaa and his sister Vaishali. We organized the chess tournament to commemorate and promote this incredible game with tremendous accuracy. This exciting tournament had the participation of 12 students. The winner was determined through semi-final and final matches. In a remarkable outcome, the victory followed Mr. Ramanand Sagar and Mr. Kumail Ahmad for their impressive tie matches and they were jointly awarded the first prize.



The seamless execution of the entire tournament was credited to all the members of the AcSIR Science Club. Special thanks are extended to Mr. Piyal Halder (AcSIR Scholar) for capturing the amazing photographs. We extend our heartfelt congratulations to all the participants for their enthusiasm and dedication.



World Environment Day Celebration- 05 June 2024

World Environment Day, celebrated annually on June 5th, is a global platform for raising awareness and taking action on pressing environmental issues. This year's World Environment Day campaign focused on the theme land restoration, desertification and drought resilience under the slogan "Our land. Our future. We are #GenerationRestoration." Together BSIP and AcSIR Science club joined the worldwide celebration to reinforce our commitment to sustainability and environmental stewardship. The event aimed to educate and engage our institute, encouraging them to adopt the theme and practices both in their professional and personal lives. The celebration featured a series of well-organized events designed to educate and inspire on the theme. The day kicked off with an opening ceremony, where our director Prof Mahesh G Thakkar delivered a heartfelt speech on the importance of environmental responsibility and restoration for the coming generation. A stall was installed to introduce to cognizance of regaining of natural health by organic amla products which heightened the awareness and enthusiasm among the students and scientists for restoration of health in nature's way. The highlight of the day was the tree-planting ceremony, where the BSIP fraternity collectively planted native trees in the institute's garden and this was extended by planting the native trees on a selected outreach area to spread public awareness and importance of environment day. This symbolic act not only contributed to local biodiversity but also reinforced our long-term commitment to environmental preservation. Our commitment to environmental sustainability is stronger than ever, and we look forward to making a lasting positive impact on our planet.



AcSIR Science club at CSIR- CSIO, Chandigarh

Science Club Activities

1. Debate on the Topic- Artificial Intelligence: Friend or Foe? On 7th June 2024
2. Talk by Shubham Kumar Patial on "Conversion of Single-Use Plastic Bottles into Functionalized Material for Maultitidinal Application" on 27th June 2024
3. AcSIR Science Club Photography Competition



Debate



Lecture by PhD Scholar for Learning and Networking among peers

AcSIR Science club at AcSIR Science club at CSIO-NIO, Goa

AcSIR Science Club Event Report: Phenome India Project Milestone Event at CSIR-NIO

Date: 26th May 2024 - 3rd June 2024 Time : 7:30AM-3:00 PM

Venue: Science Center, CSIR National Institute of Oceanography

Organiser: AcSIR Science Club

Introduction

The Council of Scientific and Industrial Research (CSIR) has successfully concluded the first phase of its ambitious longitudinal health monitoring project, the 'Phenome India-CSIR Health Cohort Knowledgebase' (PI-CHeCK). To commemorate this achievement, a special event titled 'Phenome India Unboxing 1.0' was organized at the National Institute of Oceanography (NIO), Goa, on June 3rd, 2024. This event marks a significant step forward in India's pursuit of precision medicine, particularly in the field of cardio-metabolic diseases.



Organizers and Participants

The event was graced by several eminent personalities, including Dr. Souvik Maiti, Director of CSIR-Institute of Genomics and Integrative Biology (IGIB), Dr. Sunil Kumar Singh, Director of CSIR-NIO, Dr. Shantanu Sengupta, Senior Principal Scientist at CSIR-IGIB, Dr. Rajendra Prasad Singh, Senior Principal Scientist at CSIR, and Dr. Viren Sardana, Senior Scientist at the Centre of Excellence for Intelligent Sensors and Systems. Additionally, Dr. N. Kalaiselvi, Director General of CSIR and Secretary of the Department of Scientific and Industrial Research (DSIR), delivered a keynote address, highlighting the achievements of the PI-CHeCK project.



AcSIR Science Club Team

The AcSIR Science Club Team from CSIR-NIO played a crucial role in the successful execution of the event. From May 26th to June 3rd, 2024, the team worked tirelessly to ensure the smooth conduct of the event, which ran from 7:00 AM to 5:30 PM on June 3rd. Their dedication and hard work were instrumental in making the event a resounding success.

Project Overview and Milestones

Launched on December 7th, 2023, the PI-CHeCK project is the first-ever pan-India longitudinal study aimed at developing an enhanced prediction model for cardio-metabolic diseases, such as diabetes, liver diseases, and cardiac conditions. This study is vital for understanding the genetic and lifestyle factors that contribute to these diseases in the Indian population.

As of June 2024, the project has successfully enrolled nearly 10,000 participants, surpassing its initial target. These participants, who include CSIR employees, pensioners, and their spouses from 17 states and 24 cities, have provided comprehensive health data. The data collected encompasses a wide range of parameters, including clinical questionnaires, lifestyle and dietary habits, anthropometric measurements, imaging/scanning data, and extensive biochemical and molecular data.



Significance of the Project

The PI-CHeCK project is a landmark initiative in Indian healthcare, addressing the unique genetic and lifestyle factors affecting the Indian population. Current risk prediction algorithms, primarily based on data from Caucasian populations, may not accurately reflect the diverse genetic makeup and lifestyle patterns of Indians. The Phenome India project aims to develop India-specific risk prediction algorithms that are more accurate and representative. By integrating multi-modal and multi-level omics data, such as genomics, microbiome analysis, plasma proteomics, and metabolomics, the project aims to develop predictive models using advanced big data analysis tools powered by artificial intelligence and machine learning (AI/ML). This will enable personalized risk stratification and management of cardio-metabolic disorders, moving away from a "one size fits all" approach to a more tailored strategy.



Event Highlights

The 'Phenome India Unboxing 1.0' event featured three prominent lectures by distinguished experts in the field:

- **Dr. N. Krishna Reddy**, CEO of ACCESS Health International, spoke on "Longitudinal Studies to Validate Risk Assessment Tools in India for Cardio-Metabolic Illnesses."
- **Dr. Anurag Agrawal**, Dean of BioSciences and Health Research at Trivedi School of Biosciences, Ashoka University, discussed "Digital Transformation of Health: The Need for Better Data Ecosystems."
- **Dr. Ankush Desai**, Consultant in the Department of Endocrinology at Goa Medical College, Bambolim, Goa, presented on "Diabetes Mellitus in India - Problem Status and Solutions."

Conclusion

The successful conclusion of the first phase of the PI-CHeCK project marks a significant milestone in India's journey towards precision medicine. The event exemplified CSIR's commitment to advancing Predictive, Personalized, Participatory, and Preventive healthcare in India. The dedication and efforts of the AcSIR Science Club Team at CSIR-NIO were integral to the

success of this event, highlighting the importance of collaboration and community engagement in achieving such ambitious goals.

AcSIR Science Club Team

Dr. Narsing Thakur: AcSIR Coordinator

Mr. Rohit M Dhavjekar: AcSIR Executive Assistant

Mr. Sohan Pal Meena: AcSIR-Science Club President

Ms. Falak Shaheen: AcSIR-Science Club Vice-President

Ms. Shyamli K Singh: AcSIR-Science Club Treasurer **Mr. Shlok**

Chitre: AcSIR-Science Club Secretary



AcSIR Science Club Event Report: World Ocean Day 2024 Celebration

Date: 8th June 2024, Time: 9:00 AM - 4:00 PM

Venue: CSIR-NIO, Goa and Caranzalem Beach

Organizer: AcSIR Science Club & Ocean Society of India

Introduction

On 8th June 2024, the AcSIR Science Club, in collaboration with the Ocean Society of India (OSI), celebrated World Ocean Day at CSIR-NIO, Goa. This annual event is held to raise awareness about the critical role oceans play in sustaining life on Earth and to promote actions for their conservation. The day was filled with educational, environmental, and recreational activities aimed at engaging students, staff, and the local community in the protection and sustainable use of our oceans. The event brought together the CSIR-NIO community for a day of learning, fun, and environmental stewardship.

Organizers and Participants

The event was organized by the AcSIR Science Club, with active support from the Ocean Society of India. The celebration saw the participation of students, researchers, faculty, staff, and families from CSIR-NIO. The presence of the Director of CSIR-NIO, Goa, added significance to the event, with his motivational address emphasizing the importance of ocean conservation and CSIR-NIO's contribution to marine science.

The organizing committee worked diligently to plan and execute a range of activities, ensuring that the message of ocean conservation was conveyed through an enjoyable and interactive approach. Special thanks to the AcSIR Science Club and OSI teams for their dedication.

Event Highlights

1. Quiz Competition:

The event kicked off with a Quiz Competition focused on oceanography, marine ecosystems, and current environmental challenges faced by oceans. Participants included students and staff, who enthusiastically tested their knowledge on a wide range of ocean-related topics. The quiz fostered a spirit of learning and curiosity about the marine world and was a great educational start to the day.

2. Beach Clean-Up Event at Caranzalem Beach:

Following the quiz, participants headed to Caranzalem Beach for a hands-on activity that exemplified the day's message – a beach clean-up drive. Armed with gloves, bags, and tools, students, staff, and volunteers worked together to remove a significant amount of garbage from the beach, including plastic waste, discarded fishing nets, and other debris that poses a threat to marine life. This activity not only helped clean the beach but also raised awareness about the detrimental impact of human waste on the ocean and the importance of reducing plastic pollution.

The beach clean-up was an eye-opening experience for all involved, highlighting the critical need for individual and collective action to protect our oceans. By the end of the activity, participants had collected several bags of waste, which were properly sorted and disposed of.

3. Cake Cutting Ceremony:

After the beach clean-up, the participants gathered back at the CSIR-NIO campus for a cake cutting ceremony to celebrate the success of the event and to commemorate World Ocean Day. The Director of CSIR-NIO joined students and staff for the ceremony, delivering a short speech that reinforced the institute's commitment to marine conservation and sustainable practices. The cake cutting was a symbolic gesture of unity in the fight for ocean preservation, and the event was enjoyed by all attendees.

4. Sports Activities: Cricket and Volleyball:

To cap off the celebrations, participants took part in a series of sports activities, including friendly matches of cricket and volleyball. These games provided an opportunity for students, staff, and faculty members to unwind, bond, and engage in healthy competition. The sports events were a fun and energizing way to conclude the day's celebrations, with both teams showcasing enthusiasm and teamwork.

The sports activities also served as a reminder of the importance of maintaining physical health and well-being, which is closely linked to environmental health. Just as individuals must care for their bodies, the event emphasized that we must also care for the planet, particularly our oceans.

Conclusion

The World Ocean Day 2024 celebration at CSIR-NIO was a resounding success, bringing together the community in a series of activities that highlighted the importance of ocean conservation. The combination of educational events, hands-on environmental action, and recreational activities created a holistic and engaging experience for all participants. The beach clean-up, in particular, underscored the immediate need for action to protect our oceans, while the quiz competition and sports events fostered a sense of camaraderie and fun.

The AcSIR Science Club and Ocean Society of India extend their heartfelt thanks to everyone who participated and contributed to the success of the event. Special appreciation goes to the Director of CSIR-NIO for his presence and continued support for ocean conservation initiatives. Moving forward, we hope to build on the success of this year's event and continue to inspire more people to take action for the oceans.

Achievements of AcSIR Scholar



KRISHAN DUTT YADAV

Enrollment No. 32EE22A01003, Supervisor: Dr. Bharat Singh Chauhan, CSIR-CBRI, paper presented at "1st Indian Conference on Disaster Resilient Infrastructure I-DRI 2024 (An International Symposium)" dated 06-07 March 2024 at NIT Puducherry, honoured with the **Best Paper Award**.



AJEET KUMAR VERMA

Enrollment No. 20EE21A01002, Supervisor: Dr. Anindya Pain, CSIR-CBRI, Roorkee: Have been awarded the CSIR-Senior Research Fellowship (SRF)-Direct from CSIR-HRDG. Have commenced my research at **AcSIR-RMIT University Australia in Joint PhD program**.



SUVAM DAS

Enrollment No. 10PP20J01008, Supervisor: Dr. Debi Prasanna Kanungo, CSIR-CBRI, Received(i) **Best paper award** in the National Symposium on Natural Hazards & Build Better for Risk Mitigation and Advances in Earthquake Science- 2024, organized by Indian Society of Earthquake Science, CSIR- Central Building Research Institute, and Dept. of Earth Sciences, IIT Roorkee; (ii) Science and Engineering Research Board (SERB) **International Travel Support** (ITS) to attend EGU General Assembly 2024 in Vienna, Austria.



SHUBHAM

Enrollment No. 10CC20J04054, Supervisor: Dr. T. Narender, CSIR-CDRI, Received the **Best Oral Presentation Award** during National Conference on Recent Trends in Polymer & Chemical Sciences at Mohanlal Sukhadia University, Udaipur, Rajasthan held from 5-6th January 2024.



SHAKTI PRAKASH

Enrollment No. 10BB20A04023, Supervisor: Dr. Shashi Kumar Gupta, CSIR-CDRI, **Won Prof. CC Kartha Travel Award** at ISHR India Section Annual Meeting organized by Dept. of Cardiology, AIIMS Jodhpur in 16-18th February 2024.



HIMADRI SHUKLA

Enrollment No. 10BB22A04058, Supervisor: Dr. Satish Mishra, CSIR-CDRI, Received the **Best Oral Presentation Award** at the 3rd International Conference on Integrative Chemistry, Biology & Translational Medicine (ICBTM-2024) at Udaipur, Rajasthan held from 8-10th March 2024.



PLABITA PAUL

Enrollment No. 10BB21A04007, Supervisor: Dr. Satish Mishra, CSIR-CDRI, Received the **Best Oral Presentation Award** at the 3rd International Conference on Integrative Chemistry, Biology & Translational Medicine (ICBTM-2024) at Udaipur, Rajasthan held from 8-10th March 2024.



ROHINI NANDI

Enrollment No. 10BB21A04043, Supervisor: Dr. Satish Mishra, CSIR-CDRI, Received the **Best Poster Presentation Award** at the 46th All India Cell Biology Conference on Theme - Cell Biology at the Crossroad of Interdisciplinary Sciences at ACTREC, Mumbai held from 10-12th January 2024.



RAJALEKSHMI S

Enrollment No. 10CC22A05004, Supervisor: Dr. A. Pandikumar, CSIR-CECRI, Received **Best Poster Presentation Award** at the 2nd International conference on Functional Materials for Nextgen Applications (ICFMNA-2024) at Sri Sivasubramaniya Nadar College of Engineering, Chennai in January 23 – 24, 2024.



ARMAND GUTEMBERG KAMAHA TCHEKEP

Enrollment No. 10CC21A05002, Supervisor: Dr. Deepak Kumar Pattanayak & Co-Supervisor: Dr. V. Suryanarayanan, CSIR-CECRI, Received the **Best Poster Presentation Award** in International conference on Electrochemistry for Industry, Health and Environment (EIHE 2024) held at VIT Vellore in February 7 – 10, 2024.



SANGAVI P

Enrollment No. 10BB23A05001, Supervisor: Dr. V. Ganesh & Co-Supervisor: Dr. V. Murugan, CSIR-CECRI, Received the **Best Oral Presentation Award** in the International Conference on Advance Materials for Energy, Environmental & Sensor Applications (ICAMEESA-2024) held at Mother Teresa Women's University, Kodaikanal in February 26 – 28, 2024.



ARDRA S DARSAN

Enrollment No. 10PP21A05006, Supervisor: Dr. P. Murugan & Co-Supervisor: Dr. A. Pandikumar, CSIR-CECRI, Received the **Best Oral Presentation Award** in the International Conference on Advance Materials for Energy, Environmental & Sensor Applications (ICAMEESA-2024) held at Mother Teresa Women's University, Kodaikanal in February 26 – 28, 2024.



SOUNDARYA MARY A

Enrollment No. 10CC19J05002, Supervisor: Dr. A. Pandikumar, CSIR-CECRI, has published the internal collaborative work carried out with Dr. C. Murugan (Former AcSIR Student), and Dr. A. Pandikumar, entitled "Investigating the interfacial charge transfer between electrodeposited BiVO₄ and pulsed laser-deposited Co₃O₄ p-n junction photoanode in photoelectrocatalytic water splitting" in a high impact factor journal "Chemical Engineering Journal" (Impact Factor: 15.1), <https://doi.org/10.1016/j.cej.2024.149104>



NADAR ALLWYN

Enrollment No. 10CC22A05007, Supervisor: Dr. M. Sathish, CSIR-CECRI, secured the **Third place for the Poster Presentation Award** in the SERB & DRDO Sponsored National Conference on Sustainable Energy Conversion and Storage: Functional Materials, Systems, and Applications (NCSECS – 2024) held at CHRIST (Deemed to be University), Bangalore in April 18 – 20, 2024.



MAITRI IYER

Enrolment No. 32EE22A06005, Supervisor: Dr. Jai Gopal Pandey, CSIR-CEERI, **received semi-finals Trophy for Badminton -Doubles** in SSBMT- Indoor tournament held at CSIR- NEIST, Jorhat, Assam in November 1-3, 2023.



ANISHA BISWAS

Enrolment No: 10BB21A08021, Supervisor: Dr Sachin R. Chaudhari, CSIR- Central Food Technological Research Institute, Mysuru, Karnataka, "**Annual NMRS Medal for Young Scientist**" for the calendar year 2023 in recognition of the contribution to the field of NMR in India. This award, is presented by the National Magnetic Resonance Society of India (National level). The award ceremony took place at the annual NMR meeting held in Lucknow, where Anisha Biswas was celebrated among peers and experts in the field.



ARUBA KHAN

Enrolment No.10BB22A10011, Supervisor: Dr. Prabodh Kumar Trivedi, CSIR-CIMAP, **Won first Prize in Poster Presentation** in Summer Plant Science Fest, 2024 organized by CSIR-National Botanical Research Institute.



NIKKI DEEP

Enrolment No.10BB20A10029, Supervisor: Dr. Akanksha Singh, Nikky Deepa) as one of the member, formulated "Aloe Roma," a chemical-preservative free Aloe vera gel that offers UV protection, nourishment, and skin soothing properties. This innovative product was launched by the esteemed Chief Minister Yogi Adityanath on the occasion of Kissan Mela, 2024 held on January 31st 2024. Team members are as follows Dr. Mahendra Darokar, Dr. Samvedna Shukla, Dr. Sudeep Tandon, Ms. Nikky Deepa, Dr. Akanksha Singh, Mr. Praveen Kumar Kashyap, Mr. Parmanand Kumar, Mrs. Vidushi Tyagi, Dr. Anirban Pal, Mr. Monazza Israr., Dr. Anil Maurya, Dr. DU Bawankule, Dr. Ram Swaroop Verma, Dr. Rajesh K Verma, Mr. Kundan Wasnik, Dr. Karuna Shanker, Dr. N P Yadav, Mrs. Priyanka Singh, Dr. Ramesh K Srivastava, Dr. Manoj Semwal, Dr. Sanjay Kumar, Dr. Alok Kalra.



AISHWARY BANERJEE

Enrollment No. 20EE20A12016, Supervisor: Dr. Arpita Mukherjee, CSIR-CMERI, Durgapur, awarded as the CSIR-Direct Senior Research Fellow (SRF) on April 4, 2024.



PRATIM BHATTACHARYYA

Enrolment No- 20EE19A12003, Supervisor- Dr. Santu Kr. Giri, CSIR-CMERI, Received the award of CSIR-Senior Research Fellowship Direct (SRF-Direct) on 15th April, 2024 for pursuing doctoral research in the field of Electrical Engineering.



SUMAN CHOWDHURY

Enrollment No. 32EE21A12003, Supervisor: Dr. Rajesh P. Barnwal, CSIR-CMERI, **Selected for ACM India Anveshan Setu Fellowship** by the ACM India Council on February 25, 2024.



VANSHI DHAR

Enrollment No. 20EE23A14001, Supervisor: Dr. Ch. Ravi Sekhar, CSIR-CRRI, **anchored AcSIR-CRRI orientation program** of January 2024 batch on Jan 08, 2024.



SRIKANTH RENIKUNTA

Enrollment No. 20EE23A14013, Supervisor: Dr. Ch. Ravi Sekhar, CSIR-CRRI, Received the **IGBC Accredited Faculty AWARD** by The Indian Green Building Council (IGBC) in 22 April-03 May 2024.



SAMEEKSHA PANTHI

Enrollment No. 20EE22A14005, Supervisor: Dr. Abhishek Mittal, CSIR-CRRI, Enrollment No. 20EE23A14001, **anchored AcSIR-CRRI program** of January 2024 batch on Jan 08, 2024.



DEEPIKA SHARMA

Enrollment No. 10PC21J15002, Supervisors: Dr. Amit L. Sharma, CSIR-CSIO, Dr. Kamlesh Kumar, CU Jammu. Received **International Travel and Free registration grant** to attend 15th International Workshop on Advanced Materials (IWAM) 2024, Organized and sponsored by the Ras Al Khaimah Center for Advanced Materials (RAK CAM) held in Ras Al Khaimah, United Arab Emirates from the 19th-21st of February 2024. Received **Best Poster Presentation Award** in the International Conference on SUSTAINABLE DEVELOPMENT IN CHEMICAL AND MATERIAL SCIENCES (SDCMS-2024) Organized by Department of Chemistry and Chemical Sciences, Central University of Jammu during April 04 - 05, 2024.



RAJVEER KAUR

Enrollment No. 10PP21A15008, Supervisor: Dr Raj Kumar, CSIR-CSIO secured a **CSIR travel grant** to attend the SPIE Defense + Commercial Sensing conference in 2024. In April 2024, I presented an **invited oral talk** at the SPIE Defense + Commercial Sensing conference in National Harbor, Maryland, USA.



SHALNI SRIVASTAVA

Enrollment No. 20EE24J15007, Supervisor: Dr. Vinod Parmar, CSIR-CSIO, Received the **First prize in Photography Competition** hosted to celebrate International Women's Day 2024 on the theme "Empowering women, embrace equality" in March 8-10, 2024.



SHIVALIKA GOYAL

Enrollment No. 20EE21A15004, Supervisor: Dr. Amit Laddi, CSIR-CSIO, Received **Best Poster Award** at the Poster Presentation at the conference organized by Indo-German Science and Technology Center (IGSTC) along with CSIR-Central Scientific Instrument Organization and IEEE AcSIR-CSIO Student Branch on Artificial Intelligence in Sustainability at Chandigarh from 21st-23rd February 2024. Awarded with **RMIT-AcSIR Joint (Cotutelle PhD) Fellowship 2024**, Awarded with CSIR-SRF Direct Fellowship 2024, Selected for Swiss Government Excellence Scholarship for the academic year 2024-2025.



SAHIL THAKUR

Enrollment No. 20EE22A15019, Supervisor: Dr. Sachin Tyagi, CSIR-CSIO, Received the **Raman Charpak Fellowship Award-2023**. From Indo-French Centre for the Promotion of Advanced Research (IFCPAR) and Centre Franco-Indien pour la Promotion de la Recherche Avancee (CEFIPRA)



SWETA SHARMA

Enrollment No. 10PP21A15012, Supervisor: Dr. Pooja Devi, CSIR-CSIO, Received **Best Poster Presentation Award** at the "International Conference on Catalysis for clean Energy Technologies and Sustainable Development" at Panjab University in April 5-6, 2024. Another Attending the "Conference on Innovations in Materials Science & Workshop on Characterization Techniques" (I-MAT 24) at IIT Roorkee in April 24-27, 2024. Selected for **AcSIR-RMIT PhD program 2024**.



POOJA

Enrollment No. 32EE19J15033, Supervisor: Dr. Pooja Devi, CSIR-CSIO, Received **2nd Runner up** for International Women's day Photography Competition organized by IEEE AcSIR-CSIO Student Branch March 8th-10th, 2024. Received **SERB International Travel Support** to present poster at MRS Spring Meeting, 22nd-26th April 2024, Seattle, USA.



SANJAY YADAV

Enrollment No. 10CC20A16014, Supervisor: Dr. Alok Ranjan Paital, CSIR-CSMCRI, Received **Best Male Researcher Award** on the Foundation Day at CSIR-CSMCRI on 10 April, 2024.



NISHU CHOUDHARY

Enrollment No. 10CC20A16014, Supervisor: Dr. Alok Ranjan Paital, CSIR-CSMCRI, Received **Best Female Researcher Award** on the Foundation Day at CSIR-CSMCRI on 10 April, 2024.



KINJALBEN BAJIRAVBHAI PATEL

Enrollment No. 10CC20A16026, Supervisor: Dr. Divesh N Srivastava, CSIR-CSMCRI, Visit RMIT University, Melbourne to avail **AcSIR-RMIT joint degree program**, from 04-03-2024 to 03-03-2024.



PRANAMI BHARADWAJ

Enrollment No. 10BB20A66001, Supervisor: Dr. Debajit Thakur, IASST, Guwahati, Received the **1st Position in Oral Presentation** at National Conference on Women Scientists in Plant Health Management for Sustainable Development goals organized by Assam Agricultural University, Jorhat and Indian Phytopathological Society, New Delhi during 22nd to 23rd December, 2023 at AAU, Jorhat.



MANZOOR ALI

Enrollment No. 10BB21A02026, Supervisor: Dr. Aastha Mishra, CSIR-IGIB, presented a Poster Presentation entitled Assessment of circulatory cell-free DNA biogenesis pathways in high altitude pulmonary edema at the PVRI 2024 Annual Congress London- The next 50 years of pulmonary hypertension – a global view held at PVRI 2024 Annual Congress London, Park Plaza Riverbank, UK 31 January – 3 February 2024.



PRABHLEEN KAUR

Enrollment No. 10BB21A02019, Supervisor: Dr. Souvik Maiti, CSIR-IGIB, To attend "EMBO Young Investigator Network PhD Course" at Heidelberg, Germany. Duration: 17-03-2024 to 24-03-2024.



DEEPANSHI GAHLOT

Enrollment No. 10BB18A02015, Supervisor: Dr. Lipi Thukral, CSIR-IGIB, To attend "68th Annual meeting of the Biophysical Society", at Philadelphia. Duration: 08-02-2024 to 16-02-2024



AANCHAL YADAV

Enrollment No. 10BB21A02028, Supervisor: Dr. Rajesh Pandey, CSIR-IGIB, Delivered Poster Presentation at the "The Microbiology Society Annual Conference 2024" organized at Edinburgh International Convention Centre, Edinburgh, UK during 08/04/2024 –11/04/2024.



DIVYA

Enrollment No. 10BB21A02004, Supervisor: Dr. Munia Ganguli, CSIR-IGIB, Received the **Best Poster Award** in the "International Symposium on Advances in Drug Delivery Technologies 2024" organized by BITS-Pilani on February 16-17, 2024.



HIMANI RANI

Enrollment No. 10BB19J02006, Supervisor: Dr. Neeru Saini, CSIR-IGIB, Received the **best Poster presentation award** in the international conference GLOBAL IMMUNOLOGY SUMMIT-2024 organized by Translational Health Science and Technology Institute, Faridabad in February 15 – 17, 2024.



POOJA SINGH

Enrollment No. 10BB19A02032, Supervisor: Dr. Ritushree Kukreti, CSIR-IGIB, Received **Best Poster Award** in Vistas of Life Sciences 2024-An international conference on Frontiers of Life Sciences: From Molecules, Organisms and Diseases held at Jawaharlal Nehru University, New Delhi, from January 21-24, 2024.



ABHISHEK GOEL

Enrollment No. 10BB19J33011, Supervisor: Dr. Yogendra Shantaram Padwad, CSIR-IHBT, Palampur Received **Best Oral Presentation Award (First Position)** in 6th International Conference on Nutraceuticals and Chronic Diseases and 10th Society for Translational and Cancer Research (INCD 2024) held at Panjab University, Chandigarh in February 22-24, 2024.



AMAN KUMAR

Enrolment no. 10BB20A33029, Supervisor: Dr. Aparna Maitra Pati, CSIR-IHBT, **Received Best oral presentation award** at the 8th International Conference of the Indian Network for Soil Contamination Research (INSCR-2024) on the theme 'Exploring the Microbial World: From Human Health to Environmental Sustainability' and the 4th International Symposium on Ciliate Biology (ISCB-2024) at University of Delhi (UoD), held from April 3rd to April 5th, 2024, at the Conference Centre, UoD, Delhi, India.



ASHWANI PUNIA

Enrollment number - 10BB20A33031, Supervisor: Dr. Rajiv Kumar, CSIR-IHBT, Palampur Received **Outstanding Poster Presentation (2nd prize)** at International Symposium on Plant Biology and Functional Genomics at School of Life Sciences, University of Hyderabad in March 13-15, 2024.



MONIKA CHOUHAN

Enrollment number - 10BB21A33023, Supervisor: Dr. Rajiv Kumar, CSIR-IHBT, Palampur. Received **Outstanding Poster Presentation (2nd prize)** at International Symposium on Plant Biology and Functional Genomics at School of Life Sciences, University of Hyderabad in March 13-15, 2024.

SUBHAM KUMAR BANDYOPADHYAY

Enrollment No. 10BB21J17010, Supervisor: Dr. Amitava Sengupta, CSIR-IICB. American Society of Hematology Abstract Achievement Award, San Diego, USA & **SERB International Travel Grant**, Dept. of Science & Technology, Govt. of India

KAJAL MANDAL

Enrollment No. 10BB21J17012, Supervisor: Dr Sucheta Tripathy, CSIR-IICB **Shimamoto Travel award** from International Society of Plant Microbe Interaction (IS-MPMI) to attend IS-MPMI congress in, Rhode Island, USA. Duration: 16th July to 20th July 2023. SERB International Travel support to attend and present his work in the same conference. Date: 12th June 2023.



TRIYA MUKHERJEE

Enrollment No. 10BB22J18013, Supervisor: Dr. S. Venkata Mohan, CSIR-IICT, Received **second prize** in the open category of the HPCL New Generation Ideation Contest 2023 by Hindustan Petroleum Green R & D Centre, Bangalore on March 27, 2024 for the work on "Bio-based Valorisation of CO₂ for the production of succinic acid with isolated anaerobic strain".



JUPALLY PRASANTH

Enrollment No. 10CC22J18008, Supervisor: Dr. B. Sridhar, CSIR-IICT, Received the **best poster presentation** for the conference entitled "Chemistry for A Sustainable Future (CSF-2024)" held during 27 - 28 February at Palamuru University, Mahabubnagar.



PALLAVI VANJARI

Enrollment No. 20EE19J18001, Supervisor: Dr. K. Yamuna Rani, CSIR-IICT, Received **best oral presentation award** at 2nd International Conference on Novel Materials and Technologies for Energy and Environmental applications held at BITS-Pilani, Hyderabad held during 17th-18th February, 2024.



JAYADEV NAYAK

Enrollment No. 10CC19A18018, Supervisor: Dr. Rohit Kumar Rana, CSIR-IICT is bestowed with **Prof. Sripati Pani Memorial Award** for the year 2023 from Orissa Chemical Society in the 37th Annual Conference held at Ravenshaw University, Odisha during 05-06th Jan, 2024.



J SANTHOSH

Enrollment No. 10CC21A18013, Supervisor: Dr. S. Venkata Mohan, CSIR-IICT was selected for **best Paper Award (Oral Presentation)** for 'Regulation of Bio-H₂ Production through Integration of Acetogenesis and Electro-fermentation Process' at International Conference on Electrochemistry for Industry, Health and Environment (EIHE)-2024 organized by CO₂ Research and Green Technologies Centre Vellore Institute of Technology (VIT) on February 08-10, 2024, Vellore.



AMAN KUMAR KESARI

Enrollment. No. 20EE22A18001, CSIR-IICT, Supervisor: Dr. Vineet Aniya (Senior Scientist) has been awarded "**Indian Institute of Chemical Engineers (IICe)-Ambuja's Young Researchers Award**" for the year 2023



KINNERA KIRAN

Enrollment No. 20EE20J18048, Mr. Kinnera Kiran has been elected as a "**Fellow**" of the **Institution of Engineers (India)** in the area of Electronics & Telecom Engineering Division on the 28th March 2024.



RUBINA CHOWDHARY

Enrollment No. 10CC19A37041 Supervisor: Dr. Rajkishore Rai, CSIR-IIIM, **Received Best Poster award** at International Conference on Traditional Medicine & Phytopharmaceuticals (ICTMP) & 11th International Congress of Society for Ethnopharmacology (SFEC 2024) AT CSIR-IIIM, Jammu in 16th-18th Feb, 2024.



MAHIR BHARDWAJ

Enrollment No: 10BB20A37010 Supervisor: Dr. Gurleen Kour, CSIR-IIIM, received **best oral presentation award** at International Conference on Traditional Medicine & Phytopharmaceuticals (ICTMP) & 11th International Congress of Society for Ethnopharmacology (SFEC 2024) AT CSIR-IIIM, Jammu in 16th-18th Feb, 2024.



BUSHAN KUMAR

Enrollment no: 10BB22J37008 Supervisor: Dr. Sumeet Gairola, CSIR-IIIM, received **Best oral presentation award**, Society for Ethnopharmacology (SFE) "Yong Ethnopharmacologist Award", at International Conference on Traditional Medicine & Phytopharmaceuticals (ICTMP) & 11th International Congress of Society for Ethnopharmacology (SFEC 2024) AT CSIR-IIIM, Jammu in 16th-18th Feb, 2024. Society for Ethnopharmacology (SFE) "**Yong Ethnopharmacologist Award**" For **Best Oral presentation** at International

conference on Traditional Medicine and Phytopharmaceuticals & 11th International Congress of Society for Ethnopharmacology.



KIRTI CHHABRA

Enrollment No. 10CC22A19008, Supervisor Dr. Om P Khatri, CSIR-IIP, Member of Organizing Committee, Aagaz 2.0, National Science Day 2024, would like to share some of the pictures of the event. We organized the scientific poster competition, scientific rangoli competition, science quiz, and photography competition theme.



ANCHAL PANDEY

Enrollment No. 10CC21J19010, Supervisor: Dr. Om P Khatri, CSIR-Indian Institute of Petroleum, Dehradun, Received **Best Poster Prize** under ACS Applied Nano Materials at the Emergent Materials for Energy and Environment Conference at IIT Roorkee in March 4 - 5, 2023.



SATYAJIT PANDA

Enrollment No. 10CC21A19026, Supervisor: Dr. Ankur Bordoloi, CSIR-CIIP, Received **1st Poster Prize** at the Aagaz 2.0 poster competition, National Science Day Celebration at CSIR-IIP in Feb 28, 2024.



AMOD KUMAR

Enrollment No. 10CC20A19017, Supervisor Dr Suman Lata Jain, CSIR -IIP Dehradun, Received Royal Society of Chemistry, **Best Oral Presentation Prize** at International Conference on Recent Trends in Chemical Sciences (RTCS-2024) at MGCU, Motihari, in 28-29 February, 2024.



SHRADHA SUMAN

Enrollment No. 10PP21J36001, Supervisor: Dr K J Sankaran, CSIR-IMMT, Received the **Best poster presentation award** in the ICT-IOC International Conference on Functional Materials and Polymer Technology (ICFMPT-2024)- 14th -16th March 2024- Organized by: Indian Institute of Chemical Technology, Mumbai, Indian Oil Odisha Campus, Bhubaneswar- Poster presentation- "Nanostructured Boron-doped Diamond Micropylramids: A high-performance electrochemical Supercapacitor".



MONALIN MISHRA

Enrollment No. 10CC22A36009, Supervisor: Dr. Trupti Das, CSIR-IMMT, Received the **First prize in the Oral presentation** on the paper titled "The Role of black carbon (BC) in Ozone (O_3) Formation: Insights from a Study in India" at the International Conference on Chemical and Environmental Sciences (ICCAES) 2024 organized by the Department of Basic Science & Humanities, Institute of Engineering & Management, Kolkata in association with Indian Chemical Society and Royal Society of Chemistry held on January 11–13, 2024, at IEM, Kolkata.



RUPALI IPSITA MOHANTY

Enrollment No. 10CC21A36010, Supervisor: Dr. Bikash Kumar Jena, CSIR-IMMT, Received the **RSC best poster award** in ICFMPT-2024, on the topic "Layered microporous metal phosphonates as flexible electrode materials for high-performance interdigital micro-supercapacitors". Conducted by International Conference for Functional Materials and Polymer Technology (ICFMPT-2024), 14-16th March 2024 at ICT-Mumbai, IOC Bhubaneswar campus.



DEBKUMAR BERA

Enrollment No. 10CC21A36012, Supervisor: Dr. Nirmal Goswami, CSIR-IMMT, Received the **Best oral presentation award** presented by 'Wiley' at the International Conference on Functional Materials and Polymer Technology (ICFMPT-2024), jointly organized at ICT-IOCB & IOP, Bhubaneswar.



ARYA JYOTI DEO

Enrollment No. 20EE18A36002, Supervisor: Dr. Santosh Kumar Behera & Dr. Debi Prasad Das, CSIR-IMMT, For the **grant of Indian Patent** entitled "An apparatus and method for control of disc pelletizer by accurate size monitoring of pellets", Application No. 201911042004, Dated 17.10.2019, Patent No.504441 (Date of Grant 29.01.2024)



NIKHIL KUMAR C

Enrolment No. 20EE22J24001, Supervisor: Dr. Venkateswarlu K, Chief Scientist, CSIR-NAL, awarded **Panthaki Memorial Award for best paper** titled "Welding of Non-ferrite metals" at the International Congress (IC) held at Chennai on January 22nd 2024.



VEDHANARAYANAN V

Enrolment No. 20EE22J24002, Supervisor: Dr. A Vanaja, Chief Scientist, CSIR-NAL awarded **First Place in "Best Paper - Oral category"** in Research Scholar level in the 7th INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED SCIENCE AND TECHNOLOGY (ICRTAST-2024), held at Annamalai university, Annamalai nagar-608 002, Tamil Nadu, India, in association with Indian Science and Technology Association (ISTA) and Indian Spectro Physics Association (ISPA), Tamil Nadu, India during 2nd -3rd Feb 2024.



ARYA.K.M

Enrolment No. 10PP23J24001, CSIR-NAL received **best paper award** for the paper titled "A FSS- based Single Layer Reflective Polarizer for X/Ku- Bands" Arya K.M, R.U. Nair, Shiv Narayan "presented in 3rd Wireless, Antenna and Microwave Symposium (WAMS-2024) held at Visakhapatnam, Andhra Pradesh during 29th Feb - 03rd March 2024.



BHAVYA E.V

CSIR-NAL, Received **Best Woman Research Scholar award** (2nd place) in 3rd Wireless, Antenna and Microwave Symposium (WAMS-2024) held at Visakhapatnam, Andhra Pradesh during 29th Feb - 03rd March 2024.



PRADYUMNA KUMAR SINGH

Enrolment No. 10BB13A25010, Supervisor: Dr. Rudra Deo Tripathi, Co-Supervisor: Dr. Debasis Chakrabarty, CSIR-NBRI, elected for **ISEB Young Scientist Award 2022** of the International Society of Environmental Botanists (ISEB), Lucknow on February 1, 2024.



PRATIMA DEBNATH

Enrolment No. 10BB18A25015, Postdoctoral Scientist at Leibniz Institute for Vegetable and Ornamental Plant Production (IGZ), Grossbeeren, Germany, Group: Stress and Developmental Integration
Topic of research: Mechanism of thermomemory in Arabidopsis and Tomato.



POUSHALI DEY

Enrolment No. 10BB21J25006, Supervisor: Dr. Priyanka Agnihotri, CSIR-NBRI, Received the **Young Women Scientist Award** in the conference on Himalayan Ecosystem: Threats, Resilience, and Sustainable Management. A National Conference, jointly organized by Dept. of Botany, Govt. PG College, Nagnath-Pokhari, Chamoli, Uttarakhand & Uttarakhand Science & Education Research Centre (USERC), Dehradun in Feb 26-27, 2024.



BHAWANA GUPTA

Enrolment No.: 10BB18J25001, Supervisor: Dr. P. K. Singh at CSIR-NBRI, achieved second place in the **best poster presentation** category at the International Conference on Biochemical and Biotechnological Approaches for Crop Development (IBBACI-2023) held from October 30th to November 1st, 2023.
2nd Prize in Oral Presentation in SPSF 2024.



VINITA TIWARI

Enrolment number: 10BB22J25005, Supervisor: Dr. Aradhana Mishra, CSIR-NBRI, Received Emerging Women Scientist Award at the International Conference on “Advances in chemical and applied sciences for sustainable development” at JECRC University in March 29-30, 2024.



HRISHIKESH MAHATO

Enrolment No.10BB18A25006, CSIR-NBRI, **1st prize in oral presentation** during national seminar “Recent advances in Biochemistry and Biotechnology” held on 16th March 2024 at department of biochemistry Lucknow university. Presentation title - “SIERF36 mediated regulations of the GA pathway controls developmental transitions in plants” Paper published on plant biotechnology journal “The tomato EAR-motif repressor, SIERF36, accelerates growth transitions and reduces plant life cycle by regulating GA levels and responses”



LAXMIPRIYA PRADHAN

Enrolment No. 10BB19J25023, CSIR-NBRI, **1st prize in oral presentation** during national seminar “Recent advances in Biochemistry and Biotechnology” held on 16 th march 2024 at department of biochemistry Lucknow University. Presentation title – Functional studies of the RbWRKY70 promoter involved in rose petal abscission.



UPASANA CHOUDHURY

Enrolment No. 10BB18A25025, **1st prize in oral presentation** at SPSF, Title – SIERF8 regulates fruit set and ripening pattern in tomato.



HIMANI VAISHNAV

CSIR-NBRI, **2nd prize** in SPSF 2024 in poster competition Title: Understanding the role of SIDELLA in SIERF36-mediated organ expansion in tomato.



LAXMIPRIYA PRADHAN

Enrolment No. 10BB19J25023, CSIR-NBRI, **2nd prize in SPSF 2024 in poster competition**
Title: RbWRKY70 and its homologue AtWRKY70 positively regulate organ abscission in plants.



ANUPMA DEVI

Enrollment No: 10 BB23A25037, Supervisor: Dr. Gaurav Kumar Mishra, CSIR-NBRI, Received **1st prize in Quiz competition** in SPSF (Summer Plant Science fest) organized by CSIR- NBRI Lucknow on 15-16 April 2024.



POOJA MAURYA

Enrollment No.: 10BB21A25012, Supervisor: Dr. Gaurav K. Mishra, CSIR-NBRI, Award: Received **3rd prize** in Quiz competition in SPSF-2024, Organized by CSIR-NBRI and AcSIR at CSIR-NBRI, Date: 16-04-2024.



M. THRIPURANTHAKA

Enrolment No. 10CC18J26008, Supervisor Name: Dr. Manjusha V. Shelke, CSIR – NCL, Pune, **Patent publication:** 3D Carbon foam as Sulfur host for Li-Sulfur battery and to the process thereof (WO 2023/126960 A1). Product Developer in Rechargion Energy Pvt. Ltd.



ANOUSHKA K DAS

Enrolment No. 10PP20A26009, Supervisor Name: Dr. Manjusha V. Shelke, CSIR – NCL, Pune, **Patent publication:** ZnP2 modified separator to improve the absorption and conversion kinetic of polysulfide for metal-sulfur batteries (WO 2023/187823 A1).



MEENAKSHI D. PAWAR

Enrolment No. 10CC20J26008, Supervisor Name: Dr. Manjusha V. Shelke, Academic Centre: CSIR – NCL, Pune, Got the Best Poster Presentation Award during 5th annual student conference-2023 held by NCL-Research Foundation.



RAJKIRAN SHIVADE

Enrolment No. 10PP21J26002, Supervisor: Dr. Manjusha V. Shelke, CSIR – NCL, Pune
Got selected for the **AcSIR-RMIT joint PhD program**.



SWARALI HIRLEKAR

AcSIR Enrollment No. 10BB20J26028 Supervisor: Dr. Anuya Nisal. Academic Centre: CSIR – NCL
Got the **Best Woman Research Scholar** in Interdisciplinary research Award from NCL Research Foundation in February. Awarded with Raman Charpak Fellowship to work in UPMC, Paris, France from March to September 2023.



ASHWINI VERMA

Enrollment No. 10PP22J26004 Supervisor: Dr. Kavita Joshi. CSIR – NCL, secured **2nd place in poster** competition on hydrogen and fuel cells conducted in IPHE outreach program at IIT Delhi on 18th March 2024. Attended School on "Parallel Programming and Parallel Architecture for High Performance Computing" from 22nd April to 3rd May conducted by ICTP, Italy at Kathmandu, Nepal. Received "**KRISHNAN AWARD 2023**" for the best paper in the computational science category on 28th Feb 2024. The title of the paper is "Solid-state Hydrogen Storage: Decoding the Path through Machine Learning. Received the **Certificate of appreciation** for contributing to the tagline "Catalyzing Innovations" for CSIR-NCL platinum jubilee celebration on 3rd Jan 2024.



SHABDA KULSANGE

Enrollment No. 10BB17A26058, Supervisor: Dr. Mahesh Kulkarni and Dr. B. Santakumari, CSIR-NCL, has been awarded the **Chellaram Foundation Diabetes Research Award-2024**, 2nd Prize, in the Research Paper Presentation Session in Basic Science held during the 8th International Diabetes Summit- 2024 which took place on 15-17 March 2024 at Pune. The oral presentation was titled "SWATH-MS reveals that Bisphenol A and its analogs regulate pathways leading to disruption in Insulin signaling and fatty acid metabolism." The award carries a certificate and a cash prize.



V. JEYAVANI

Supervisor: Dr. Shatabdi Porel Mukherjee, CSIR-NCL, has won the **Best Paper Award- Oral Presentation** at the National Conference on Advanced Materials for Potential Applications and IPR (NACAM 24) organized by Department of Chemistry and Research Centre and Department of Nanoscience, Sarah Tucker College, Tirunelveli, Tamil Nadu on 27th, February, 2024.



NARENDRA BODAWAR

Supervisor: Dr. Sanjay P. Kamble, at the International Chemical Engineering Conference on Energy, Environment and Sustainability held at IIT Roorkee during 15-17, February, 2024 has received a **Best Poster Award**. The poster was titled "Optimization and economic feasibility of UV/O₃ advanced oxidation process for efficient removal of Ibuprofen from wastewater."



KAPIL DHOTRE

Supervisor: Dr. Sanjay P. Kamble, CSIR-NCL presented poster at the International Chemical Engineering Conference on Energy, Environment and Sustainability held at IIT Roorkee during 15-17, February, 2024 has received the **Best Poster Award**. The poster was titled "Development of sustainable process for synthesis of p-aminophenol."



BORNALI BORA

Enrollment No. 10BB24J38006, Supervisor: Dr. Sachin R Geed, CSIR-NEIST, **Received Best Poster Presenter** on Big Canvas for Innovation and Entrepreneurship" the brushstrokes of growth & transformation 2024.



NIDHI CHAUCHAN

Enrollment No-10MM21J42005, Supervisor: Dr. Puspanjali Thirpathi, CSIR-NIScPR, Received First Prize in the Quiz competition on the occasion of International Yoga Day celebration organized by CSIR-NIScPR, Pusa Campus on June 19, 2024



INDUJA D

Enrollment No.10BB20J39019, Supervisor: Dr. Ravi Shankar L., Co-supervisor: Dr. Reshma M V, CSIR- NIIST, Received the **Best Paper Presentation Award** in life science category in the 36th Kerala Science Congress conducted by the Kerala State Council for Science, Technology & Environment in February 8-11,2024, Kasargod. Invited as resource person for Zoology Association Inauguration at Department of Zoology Payyannur College on March 11, 2024, Payyannur, Kannur, Kerala.



SOPHY MARIAM VARGHESE

Enrollment No. 10PP22A39003, Supervisor: Dr. Rakhi R B, CSIR-NIIST, Received the **Best oral presentation award** in the International Conference on New Materials for Industry and Medicine" NMIM '23 organized by PSGR Krishnammal College for Women, Coimbatore in 30th & 31st January 2024.



APARNA S M

Enrollment No. 10PP23J39002, Supervisor: Dr. Rakhi R B, CSIR-NIIST, Received the **Best oral presentation award** in the International Conference on Advances in Functional Materials and Coatings (ICAFMC-2024) organized by MES College Ponnani, Malappuram in 14th and 16th February 2024. Received **Poster presentation award** in the International Conference on Advances in Interdisciplinary Nanoscience (ICAINS-24) organized by Government Women's College, Trivandrum in January 10-12, 2024.



ARATHI KRISHNAN P V

Enrollment No. 10CC22A39006, Supervisor: Dr. C. H. Suresh, CSIR-NIIST Received **Best poster presentation award** at 36th Kerala Science Congress organized by Kerala State Council for Science, Technology and Environment (KSCSTE) held at Government College, Kasaragod from Feb 8-11,2024.



AVIJA A.V.

Enrollment No. 10CC20A39012, Supervisor: Dr. C. Vijayakumar, CSIR-NIIST Thiruvananthapuram, got selected for the **ANRF- Overseas**



ASHITHA GEORGE

Enrollment No. 10PP19A39030, Supervisor: Dr. E. Bhoje Gowd, CSIR-NIIST, awarded the **NIMS Internship Program** at National Institute for Materials Science (NIMS), Tsukuba, Japan.



NIHARIKA PANIGRAHI

Enrollment No. 10PP22A29008, Supervisor: Dr. Sushant S. Naik, CSIR-NIO, Received the **Best Paper Award** in the World Ocean Science Congress (WOSC-2024) jointly organized by NIOT, IIT- Madras and VIBHA, held IIT Madras Research Park, Chennai, Tamil Nadu in February 27-29, 2024.



HARSHAL SATISH JADHAV

Enrollment No. 10PP20A29052, Supervisor: Dr. Abhay Fulke, CSIR-NIO, won the prestigious **Best Research Scholar Award** in 2nd International Conference on" Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy: Challenges and Practices" (IBRSBB- 2024) organized by Department of Microbiology, Sanjivani Arts, Commerce and Science College Kopergaon, Maharashtra in February 15, 2024



AVIK BOSE

Enrollment No. 10MM23A29001, Supervisor: Dr. Pawan Dewangan, CSIR-NIO, attended the conference " **Roorkee water conclave 2024**" held at IIT Roorkee in March 3-6, 2024. He presented in the session on "review of comprehensive smart metering solution for managing water grids".



GAURAV PRAJAPATI

Enrollment No. 10BB23J04094, Supervisor: Dr. Kinshuk Raj Srivastava, CSIR-CDRI, Received the **Best Poster Award** at the International Conference on Bio-Technological Intervention for Health, Agriculture and Circular Economy in BioSangam 2024 at MNNIT, Prayagraj held from 23-25th February 2024.



ANKITA GHOSH

Enrollment No. 10PP19A29019, Supervisor: Dr. Aninda Mazumdar, CSIR-NIO, attended International Conference **Ocean Sciences meeting (OSM), 2024** held at New Orleans, Louisiana, USA in February 18-23, 2024. Presented the poster entitled "Fingerprinting Sedimentary Organic matter sources and past methane seepage activities in a newly discovered active cold seep site off Mannar Basin, east coast of India: Evidence from Lipid Biomarkers" in the session 'Exploring variabilities in Ocean Biogeochemistry: From Paleoclimate to future projections'. She also received AGU student Travel Grant (1000 USD) and CSIR- Foreign Travel Grant to attend the conference.



ISHITA GOYAL

Enrollment No. 10MM18A30002, Supervisor: Dr Y. Madhavi, CSIR-NIScPR, Received **First Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR. Poster titled "Mapping the Research Network and Trailblazing Journey of CSIR in Translation of Personalized Medicine in India" - the event held at CSIR-NIScPR, Pusa Campus, on February 8th, 2024.



CHANDRASHEKHAR JAYSINGH CHAVAN

Enrollment No. 10MM17A30003, Supervisor: Dr Suman Ray, CSIR-NIScPR, Received **Second Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR, Poster titled "Challenges for Stem Cell Therapy and Implementation in India: Doctor's Perspectives" – the event held at CSIR-NIScPR, Pusa Campus on February 8th, 2024.



DEEPA MONI DOLEY

Enrollment No. 10MM20J42010, Supervisor: Dr. Paramananda Barman, CSIR-NIScPR, Received **Third Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR, Poster titled "Communicating Biodiversity for Sustainable Wildlife Management in Northeast India" - the event held at CSIR-NIScPR, Pusa Campus on February 8th, 2024.



ADARSH RAGHUVANSHI

Enrollment No. 10MM20A30007, Supervisor: Dr. Vinayak, CSIR-NIScPR, Received **Consolation Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR, Poster titled "Collaboration trends: AI in Computer Science" – the event held at CSIR-NIScPR, Pusa Campus on February 8th, 2024.



KIRTI TYAGI

Enrollment No. 10MM20A30001, Supervisor: Dr. Y. Madhavi, CSIR-NIScPR, Received **Consolation Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR, Poster titled "Relevance of TB Sanatoriums in today's TB Management Era: A case Study" – the event held at CSIR-NIScPR, Pusa Campus on February 8th, 2024.



PRAJITH K K

Enrollment No. 10MM18A30006, Supervisor: Dr. Vipin Kumar, CSIR-NIScPR, Received **Consolation Prize in Poster Presentation** Competition on the occasion of the Third Foundation Day of CSIR-NIScPR, Poster titled "Transformative Solutions: Harnessing Innovative Technology for the Detection & Management of Invasive Species" – the event held at CSIR-NIScPR, Pusa Campus on February 8th, 2024.

RITA THEODORE

Enrollment No. 10MM19A42005, Supervisor: Dr. N.K Prasanna, CSIR-NIScPR, received certificate on **presented / published paper** on India International & Science Festival (IISF-2023) titled "SCIENCE COMMUNICATION IN INDIA CURRENT TRENDS, OPPORTUNITIES AND CHALLENGES" held at DBT THSTI - RCB Campus NCR Biotech Science Cluster, Faridabad, Haryana on, 18-19 January 2024.



GAURAV KRISHNAN

Enrollment No. 10MM20J42007, Supervisor: Dr. T. K Jana, CSIR-NIScPR, delivered lecture on IPR, conference organized by department of organic chemistry regarding Viksit Bharat program held at NSUIT Dwarka on February 1st, 2024.



S SIVAKUMAR

Enrollment No. 20EE24J31001, Programme: AcSIR Research Scholar, CSIR-NML, **Awarded Executive Chef Diploma** by Priya Cookery Classes, Jamshedpur, on March 9, 2024. Completed German up to A2 Proficiency at Goethe Institut, Kolkata, on March 26, 2024. Participated in the International Conference on Nonferrous Metals and Materials Science-2024 (ICNFM MS-2024) between March 29 and 30, 2024, at Biswa Bangla Convention Centre, New Town, Kolkata, as a Life member of the Indian Institute of Metals and sponsored by Hindustan Copper Limited.



NEMAI CHANDRA GORAIN

Enrolment No. 20EE15A31004, Supervisor: Dr. Ravi Kumar, CSIR-NML, Awarded **Two Patent Certificates** from The Patent Office, Government of India for Inventions entitled "AN ULTRA-HIGH STRENGTH STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF" and "A PROCESS FOR IMPROVEMENT IN REDUCTION IN AREA OF HOT ROLLED HIGH CARBON WIRE ROD" during February 2024.



KRISHNA KUMAR UPADHAYAY

Enrollment No. 10BB20A20001 Supervisor: Dr. Deepak Sharma CSIR-IMTECH, Received the **Best Poster Award** in The Regional Young Investigators' Meeting (2023–2024), organized by BITS-Pilani, IIT Jodhpur, CURAJ at Birla Institute of Science and Technology (BITS), Pilani 18 January – 20 January 2024.



KSHITIZ WALIA

Enrollment No. 10BB20J20009, Supervisor: Dr. Amit Tuli
Division of Cell Biology & Immunology, CSIR-IMTECH, Chandigarh, First-author research article published in prestigious journal-Nature Communications. Kshitiz Walia, Abhishek Sharma, Sankalita Paul, Priya Chouhan, Gaurav Kumar, Rajesh Ringe, Mahak Sharma, and Amit Tuli. SARS-CoV-2 virulence factor ORF3a blocks lysosome function by modulating TBC1D5-dependent Rab7 GTPase cycle. Nature Communications, 15(1):2053 (2024). Research article link: <https://doi.org/10.1038/s41467-024-46417-2>. This research article was featured by Nature Communications in the Editor's Highlights column "Microbiology and infectious diseases" and in "Behind the Paper", an invited blog by Nature Portfolio and Springer Nature Communities for sharing wider discussion, ideas and experiences in research. The article was highlighted in various online news media blogs, including Scisoup, Biopatrika. Link of Scisoup: <https://scisoup.org/article/2024/understanding-how-SARS-CoV-2-utilizes-ORF3a-to-manipulate-host-cells.html>. Link of first-author interview by Biopatrika: <https://biopatrika.com/vigyan-patrika/sars-cov-2-orf3a-hijack-host-endo-lysosome/>



SONU KHANKA

Enrollment No. 10BB19J04010, Supervisor: Dr. Divya Singh, CSIR-CDRI, Received the prestigious **EASTMEETS WEST AWARD** in recognition of Outstanding Scientific work presented during the 51st Annual Congress of the ECTS held in Marseille, France from May 25 - 28, 2024.



SACHIN GOYAL

Supervisor: Dr. Amit L Sharma & Dr. Kamlesh Kumar, Visit Abroad: Presented a Poster entitled "Synthesis and fabrication of polydiacetylene-based low-temperature irreversible thermochromic indicator" at the International Workshop on Advanced Materials (IWAM) 2024, Ras Al Khaimah, United Arab Emirates, 19th-21st of February 2024. Awarded the **best Poster Presentation award** at the International Conference on Sustainable Development in Chemical and Material Sciences (SDCMS), organized by Central University of Jammu, 4-5th April 2024.



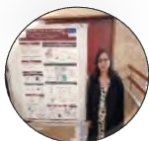
EKTA NAGAR

Enrolment ID:10BB22A02002, Supervisor: Dr. Neeru Saini, Co-Supervisor: Dr. Naveen Arora, CSIR-IGIB, New Delhi. Only Indian out of seven selected speakers for an oral presentation in the field of Targeting the environment in allergy and received Congress Grant to attend EAACI (European Academy of Allergy and Clinical Immunology) Congress 2024, held in Valencia, Spain, 31st May – 03rd June 2024



PRIYANKA MANOJ MEHTA

Enrolment No. 10BB22A02005, Supervisor: Dr Rajesh Pandey, CSIR-IGIB, Received the **RNA Society Research Presentation Fellowship**, with International travel and visa sponsorship from DST SERB ITS and a bursary for travel expenses from the G.P. Talwar Immunology Foundation for poster presentation at the 29th Annual RNA Society meeting, held in Edinburgh, Scotland between 28/05/24 to 02/06/24.



KRITI KHARE

Enrolment No. 10BB21A02013, Supervisor: Dr. Rajesh Pandey, CSIR-IGIB, **Received the Gordon Research Conference Carl Storm International Diversity Award**, DST-SERB international travel award, and travel bursary award from GP Talwar Immunology foundation for poster presentation in the Single-Cell Genomics Gordon Research Conference held at Les Diablerets Conference Centre, Switzerland in May 19 - 25, 2024.



MANZOOR ALI

Enrolment No. 10BB21A02026, Supervisor: Dr. Aastha Mishra, CSIR-IGIB, **Received Best Poster Award** at the 7th international Leh Symposium, 4-7 August 2024.



AKANKSHA ARUN

Enrolment no. 10BB19J02005, Supervisor: Dr. Lipi Thukral, CSIR-IGIB. Received **Third Prize in Poster Presentation** at international conference titled "Intracellular Quality and Metabolic Control from E. coli to Homo sapiens" at MIRM-MAHE, Bangalore, from 27th to 29th August 2024".



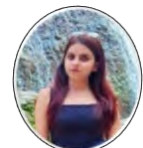
NYMPHAEA ARORA

Enrollment No. 10BB19A33012, Supervisor: Dr. Vishal Acharya, CSIR-IHBT, **Poster Presentation** at the FENS (Federation of European Neuroscience Societies) Forum 2024 on "Differential regulation of Akt/Mapk pathway playing a crucial role in development of post stroke cognitive deficits" at Vienna, Austria on June 25-29, 2024.



SHABADE ANAND BASAVRAJ

AcSIR Enrollment No. 10CC19J26022
Supervisor Name: Dr. Benudhar Punji, CSIR – NCL
Got the Best Research Scholar of 2023 in the Catalysis Division Award from NCL Research Foundation in February 2024.



ANU

Enrollment No-10MM21J42004, Supervisor: Dr. NK Prasanna, CSIR-NIScPR, Received second Prize in the international Yoga Day celebration organized by CSIR-NIScPR, Pusa Campus on June 21, 2024.

Achievements of AcSIR Faculty



Prof. KRUSHNA CHANDRA GOUDA

Senior Principal Scientist & Professor AcSIR

Interdisciplinary Data Research Division (IDRD), CSIR-Fourth Paradigm Institute (4PI)

Became member in the Editorial Board, Nature SCIENTIFIC REPORT (Since Jan 2024)

PRESIDENT of INDIA METEOROLOGICAL SOCIETY, Bangalore chapter (Since Mar 2023), Key note speaker in the 'International Conference on Mountain Ecosystem Processes and Sustainable Livelihood,' held from

5-7 March 2024 at the Himachal Regional Centre of GBPNHE. Chief Guest in the "Vijnanothsav 2024" at RNS Institute of Technology and delivered a key note talk at RNSIT, Bangalore on 4-4-2024.



Dr. NAMRATA RASTOGI

Principal Scientist & Associate Professor AcSIR

Medicinal & Process Chemistry Division, CSIR-CDRI

Received DST SERB-POWER Fellowship (Promoting Opportunities for Women in Exploratory

Research). Invited to join the Editorial Board of Elsevier Journals "Tetrahedron" & "Tetrahedron Letters"

and Received **Bronze Medal Award 2024** by the Society Chirantan Rasayan Sanstha®



Dr. SUBBIAH ALWARAPPAN

Principal Scientist & Assistant Professor, AcSIR

Electrodics and Electrocatalysis Division (EED), CSIR-CECRI

MRSI Medal 2024 at IIT(BHU).

High Level Visiting Fellowship by French Institute of India to visit CRNS Lyon, France for Collaborative Research Initiative 2024.



Dr. M. SATHISH

Principal Scientist & Associate Professor, AcSIR

Electrochemical Power Sources Division (ECPS), CSIR-CECRI

Editorial Advisory Board Member of Electrochimica Acta, the official journal of the International Society of Electrochemistry (ISE) published by Elsevier, for the calendar years 2024-2026.



Dr. A. PANDIKUMAR

Senior Scientist & Assistant Professor, AcSIR

Electro Organic and Materials Electrochemistry Division, CSIR-CECRI

Young Scientist Award-2023 in Chemical Sciences of The Academy of Sciences, Chennai.



Dr. SUBRATA KUNDU

Principal Scientist & Associate Professor, AcSIR

Electrochemical Process Engineering Division (EPED), CSIR-CECRI

One of the Research work published in February 2024, Title: An efficient oxygen evolution reaction by Ru(II) polypyridyl complex-based AIEgen" as Front Cover Page of RSC 'Inorganic Chemistry Frontiers' Journal; Article: <https://pubs.rsc.org/en/Content/ArticleLanding/2024/Q1/D3Q102380J>

'Guest Editor' for a theme collection from RSC Journal 'Materials Advances' entitled: 'Surface Engineering of Transition Metal-based 2D Layered Materials' just appeared online on April 30th 2024.

Link:<https://pubs.rsc.org/en/journals/articlecollectionlanding?sercode=ma&themeid=bd04cdf6-a7c4-40a1-9573-94c35205d6ed>. Associate Editor for RSC Journal 'JMC A' and 'Materials Advances'. Went to Seattle, Washington DC, USA to attend the annual Editorial board meeting on April 21-22nd 2024. Photos with Editorial board members of JMC A, B, C and materials Advances.

Research.com published the list of Best Materials Science Scientists in India. Materials Science: World Ranking: 3842; India Ranking: 29 Chemistry: World Ranking: 5445; India Ranking: 52 <https://research.com/scientists-rankings/chemistry/in>

A high impact journal publication in 'Advanced Functional Materials' having IF: 18.5 (<https://onlinelibrary.wiley.com/doi/10.1002/adfm.202408255>)

Two high impact journal publication just came online in 'Small' having IF: 13.3

<https://doi.org/10.1002/sml.202404085> / <https://doi.org/10.1002/sml.202403908>

'Guest Editor' for a theme collection from RSC Journal 'Materials Advances' entitled: '1D Fibrous Materials for Advanced Energy Storage and Conversion'



Dr. SANTOSH C KEDAR

Scientist-Entomology, Division of Crop Production and Protection CSIR-Central Institute of Medicinal and Aromatic Plants, Technologies developed by Dr. Santosh C. Kedar. Developed an innovative visual tool, the menthol mint pest calendar for empowering farmers and extension personnel's (Lead). Developed an innovative visual tool, on beneficial insects for IPM in medicinal and aromatic crops (Lead). Developed android-based mobile application (CSIR-AROMA) for pest management advisory for aromatic crops (Team). Release of innovative decision support technologies for integrated pest management in medicinal and aromatic crops in Kisan Mela 2024.



Dr. ABHA MEENA

Principal Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants. Dr. Abha Meena is set to embark on a Six-month research visit to Kings College London. Dr. Abha Meena has been selected as recipient of the Long Term ICMR-DHR International Fellowship for Young Scientist 2023-24.



Dr. POOJA DEVI

Principal Scientist & Associate Professor AcSIR Materials Science & Sensor Application (MSSA), CSIR-CSIO Selected as Member in Global Young Academy, Germany (Amongst 5 members selected from India), Member, Project Advisory Committee, VIGYAN JYOTI, DST, New Delhi. Expert Member Invitee, Brainstorming Session on Key Challenges of Women Researchers and Faculties in STEM and their Solution, DST New Delhi, 22nd February 2024.



Dr. E. BHOJE GOWD

Senior Principal Scientist & Professor AcSIR Materials Science & Technology Division (MSTD), CSIR-NIIST CRSI Bronze Medal 2024, The Chemical Research Society of India.



Dr. KAMALESH PRASAD

Chief Scientist & Professor AcSIR. Chaired a session on "Seaweed Polysaccharides and its future perspectives" during 5 th ICC-CSMCRI Seaweed Expo and Summit in Delhi during March 19-20, 2024. Nominated by CSIR HQ to review projects under CSIR-ASPIRE Scheme. Delivered "Welcome address" and invited as "Guest of Honour" at GARVI GUJARAT Expo and Summit, Rajkot



Prof. ASHIS K MUKHERJEE

- Prof. Ashis K. Mukherjee, Director, along with the team of IASST, attended the India International Science Festival (IISF) 2023, DBT THSTI - RCB Campus NCR Biotech Science Cluster 3rd Milestone, Faridabad, Haryana (NCR) which was held on 17th to 20th January, 2024.
- Prof. Ashis K. Mukherjee, Director, IASST was the Chief Patron in the committee that successfully organized one-day Continuous Medical Education (CME) in collaboration with the

Indian Medical Association, Assam chapter on “Snakebite Problem and Hospital Management of Snakebite” on 8th February 2024 at IASST, Guwahati. He delivered a talk on ‘Biochemistry of Indian snake venom and pathophysiology of snake envenomation.

- Prof. Ashis K. Mukherjee, Director, IASST was the Chief Patron in the committee that successfully organized the Two-day International Symposium on ‘Venom Pharmacology to Drug Discovery: National and International Perspectives (SnakeSymp-2024)’ organized by IASST, Guwahati on 09-10 February 2024. The program was attended by several distinguished guests, eminent speakers, participants, and other stakeholders involved in the field of Venomics, Venom Research, and Snakebite treatment. Prof. Ashis K Mukherjee also delivered a talk on ‘Prospects and existing state of repurposing small molecule inhibitors for treating snake envenomation’ during the technical session on 10th February 2024.
- Professor Ashis K. Mukherjee, Director, IASST was invited to attend the symposium on INDIA (NECTAR) - JAPAN(AIST) joint symposium AIST-INDIA DAILAB PIKNIKH SERIES 55 (platform for innovating knowledge to international know-how) held from February 27 - 28, 2024, hosted by NECTAR, Shillong. He delivered a talk on the topic entitled “The role of IASST in promoting the ethnic food and beverages of NE India to the global market.”
- IASST celebrated National Science Day to tribute to the Nobel Laureate physicist Sir C.V. Raman for his significant scientific contribution, on 28th February 2024. Professor Ashis K. Mukherjee, Director of IASST, delivered a talk on the topic entitled “Role of IASST in implementing NEP.”
- IASST organized a transformative Industry-Academia Conclave on Technology Transfer on March 4th, 2024. Professor Ashis K. Mukherjee, Director of IASST, expressed his optimistic outlook, envisioning it as a catalytic force in bridging the gap between academia and industry
- IASST organized a series of impactful initiatives on the occasion of International Women’s Day on 8th March 2024 under the theme "Invest in Women: Accelerate Progress." Professor Ashis K. Mukherjee, Director of IASST, inaugurated the session with a poignant speech emphasizing the indispensable role of women in propelling the nation forward.
- A one-day program on a "Popular Lecture Series on Proteomics Day," was organized by IASST on March 18, 2024. Professor Ashis K. Mukherjee, Director of IASST, Guwahati delivered an insightful lecture entitled on “Why to study proteomics? Unlimited opportunities ahead.”
- Professor Ashis K. Mukherjee, Director, IASST was invited as a resource person at the One-day symposium on “Recent trends in Life sciences” organized by the Department of Life Science and Bioinformatics, Assam University, Silchar on April 4, 2024. He delivered a talk on the topic entitled “IASST’s initiatives to promote rural livelihood in North-eastern India.”



Prof. VIBHA TANDON

Director, CSIR-IICB and Professor AcSIR
Fellow of the National Academy of Sciences, India (NASI)



Dr. DIPYAMAN GANGULY

Senior Principal Scientist, CSIR-IICB & Professor, AcSIR
Shanti Swarup Bhatnagar Award in Medical Sciences
Fellow, Indian Academy of Sciences, Bangalore
Fellow of the Royal Society of Biology, UK



Dr. KRISHNANANDA CHATTOPADHYAY

Chief Scientist, CSIR-IICB & Professor, AcSIR
Fellow of the National Academy of Sciences, India (NASI)
Fellow of the Indian Academy of Sciences, Bangalore
Dr. Bishnu Pada Mukerjee Memorial Award Lecture from Indian Photobiology Society, Jul 15, 2023



Dr. DEBABRATA BISWAS

Senior Principal Scientist, CSIR-IICB & Professor, AcSIR
Fellow of the National Academy of Sciences, India (NASI)



Dr. AMITAVA SENGUPTA

Senior Principal Scientist, CSIR-IICB & Professor, AcSIR
S Ramachandran National Bioscience Award for Career Development, Dept. of Biotechnology, Govt. of India



Dr. NAKUL CHANDRA MAITY

Senior Principal Scientist, CSIR-IICB & Professor, AcSIR
Fellow of the West Bengal Academy of Science and Technology (FACST) in January 2024



Dr. SUCHETA TRIPATHY

Senior Principal Scientist, CSIR-IICB & Professor, AcSIR
Fellow for West Bengal Academy of Science and Technology in January 24.



Dr. SUBHAS C. BISWAS

Chief Scientist, CSIR-IICB & Professor, AcSIR
Fellow of Indian Academy of Neurosciences



Dr. RUPASRI AIN

Chief Scientist, CSIR-IICB & Professor, AcSIR
Received Prof. N.R. Moudgal Memorial Oration Award (2024), from Indian Society for the Study of Reproduction and Fertility



Dr. UPASANA ROY

Senior Scientist, CSIR-IICB & Assistant Professor, AcSIR
Appointed as a Royal Society of Biology (RSB) Ambassador



Dr. B. L. A BRABHAVATHI DEVI

Chief Scientist, Dept. of Oils, Lipid Science & Technology IICT Hyderabad & Professor, AcSIR
Chief Scientist of our institute has been honoured with "Prof. J. G. Kane Memorial Award" of Oil Technologists' Association of India (OTAI) for the year 2022 for her outstanding contributions to the advancement of Science and Technology in the field of Oils, Oleochemicals and Surfactants. The award was presented during 77th & 78th Annual Convention and International conference on "Application of Oils and Fats in FMCG Sector" during the Award Ceremony held on 15th March 2024 at National Agricultural Science Complex (NACS), PUSA, New Delhi.



Dr A. GANGAGNI RAO

Chief Scientist, Dept. of Energy & Environmental Engineering, IICT Hyderabad & Professor, AcSIR
Dr A. Gangagni Rao of our institute has been honored with "VASVIK Award" for the year 2022 in the field of Environmental Science & Technology. Prof. M. M. Sharma, FRS and Prof. R. A. Mashelkar, FRS presented him with this prestigious award during the ceremony held in Mumbai, on January 19th, 2024.



Dr. S. SRIDHAR

Chief Scientist & Professor, AcSIR
Chemical Engineering & Process Technology (CE & PT), Dr. S. Sridhar recently has been conferred with ABAP Senior Scientist Award from Association of Biotechnology & Pharmacy-2023. Received Jubilant Award-2023 and Life Fellow of IICHe, Inducted at Chemcon-2023.



Dr. NIVEDITA SAHU

Sr. Principal Scientist & Professor, AcSIR, Chemical Engineering & Process Technology (CE & PT)
Dr. Nivedita Sahu received the Fellow Award 2023 from NESI (National Environmental Science Academy) recently held at CSIR-NBRI, Lucknow. The event was held at a conference on Recent Trends & Challenges in Green Chemistry, Pollution Control and Climate Change.

**Dr. N. K. DHAL**

Chief Scientist & Professor AcSIR
 Environment & Sustainability Department, CSIR-IMMT
 Nominated for the International Society of Environmental Botanists (ISEB), Fellowship 2022.

**Dr. SANTOSH K. BEHERA**

Senior Principal Scientist & Assistant Professor AcSIR

Dr. DEBI PRASAD DAS

Senior Principal Scientist & Associate Professor AcSIR
 Process Engineering & Instrumentation Department, CSIR-IMMT, For the grant of Indian Patent entitled "An apparatus and method for control of disc pelletizer by accurate size monitoring of pellets", Application No. 201911042004, Dated 17.10.2019, Patent No.504441 (Date of Grant 29.01.2024)

**Dr. RANJAN KUMAR DWARI**

Principal Scientist & Associate Professor AcSIR
 Mineral Processing Department, CSIR-IMMT, For the grant of Indian Patent entitled "PULSE BED MINERAL, MATERIAL AND AGGREGATE WASHING AND CLASSIFICATION SYSTEM", Application No. 201911013441, Dated- 03.14.2019, Patent No.474906 (Date of Grant 30.11.2023)

**Dr. DANDA SRINIVAS RAO**

Chief Scientist & Professor AcSIR
 Mineral Processing Department, CSIR-IMMT
 For receiving "Cehesh Trust of India Award for Excellence in Mineralogical Material Science (Applied mineralogy Research), 2023 "

**Dr. DIBYENDU SARKAR**

Chief Scientist & Professor AcSIR
 CSIR-Institute of Microbial Technology (CSIR-IMTECH)
 INSA Fellowship January 1, 2024, Editorial Board Member of Journal of Bacteriology (2024-2026)

**Dr. AMIT TULI**

Principal Scientist
 Division of Cell Biology & Immunology
 CSIR-Institute of Microbial Technology (IMTECH), Chandigarh, Research article describing the role of SARS-CoV-2 virulence factor-ORF3a on lysosome biology published in prestigious journal-Nature Communications Kshitiz Walia, Abhishek Sharma, Sankalita Paul, Priya Chouhan, Gaurav Kumar, Rajesh Ringe, Mahak Sharma, and Amit Tuli*. SARS-CoV-2 virulence factor ORF3a blocks lysosome function by modulating TBC1D5-dependent Rab7 GTPase cycle.
 Nature Communications, 15(1):2053 (2024). *Corresponding author
 Research article link: <https://doi.org/10.1038/s41467-024-46417-2>
 This research article was featured by Nature Communications in the Editor's Highlights column "Microbiology and infectious diseases" and in "Behind the Paper", an invited blog by Nature Portfolio and Springer Nature Communities for sharing wider discussion, ideas and experiences in research.
 The article was highlighted in various online news media blogs, including Scisoup, Biopatrika.
 Link of Scisoup:
<https://scisoup.org/article/2024/understanding-how-SARS-CoV-2-utilizes-ORF3a-to-manipulate-host-cells.html>
 Link of Biopatrika:
<https://biopatrika.com/vigyan-patrika/sars-cov-2-orf3a-hijack-host-endo-lysosome/>
 Received EMBO travel award for attending EMBO Practical Course on "Ultrastructure expansion microscopy"
 Attended EMBO Practical Course on "Ultrastructure expansion microscopy" organized at EMBL Heidelberg (Germany) from 15 – 19 April 2024.



Dr. ST ARUNA

Chief Scientist & Professor AcSIR, CSIR-NAL, Bangalore, International recognition- Wiley Top Downloaded article titled "Fabrication and applications of wrinkled soft substrates: An overview" authored by S.T. Aruna et al. published in the journal Chemistry. Recognised as Honorary Professor of Practice, Vellore Institute of Technology, Chennai, March 2024. Recognised as Academic council member of Maharaja Institute of Technology, Mysore. February 2024.



Dr. SYED G DASTAGER

Invited to be the Associate Editor of the Sustainable Microbiology published by Applied Microbiology International (AMI) Society, in partnership with Oxford University Press.



Dr. MANJUSHA V. SHELKE

Senior Principal Scientist & Professor, AcSIR, CSIR-NCL, Pune, Got the prestigious Materials Research Society of India (MRSI) Medal 2023 at the 34th AGM, Banaras Hindu University, Varanasi. Visited University of Birmingham and University of Manchester, UK as a part of "Critical Minerals Industry Academia Delegation" invited and sponsored by the UK Science and Innovation Network along with British High Commission, India.



Dr. CHINNAKONDA S. GOPINATH

Invited to be the Editorial Board Member of the Indian Journal of Chemistry (IJC) published monthly by CSIR-National Institute of Science Communication and Policy Research (NIScPR), New Delhi.



Dr. RAVINDAR KONTHAM S

Received - NCL RF Scientist of the Year Award for "Stereoselective total synthesis of biologically active natural products and development of novel synthetic methodologies"



Dr. ANJINEYULU KOTHAKOTA

Senior Scientist & Assistant Professor, AcSIR
Agro Processing & Technology Division (APTD), CSIR-NIIST
Fulbright-Nehru Academic and Professional Excellence Fellowship 2024



Dr. VIJAYAKUMAR C.

Visited Academic Centre for Materials and Nanotechnology, AGH University of Science and Technology, Kraków 30-059, Poland during 11-24 April 2024, as a part of the Indo-Poland project entitled "Exploring Lead-Free Hybrid Perovskite Materials for Neuromorphic Computing" (GAP#163839) funded by the Department of Science and Technology (DST), Government of India.



Dr. SUPRIYA SHET TILVI

Principal Scientist & Associate Professor AcSIR. Chemical Oceanography Division (COD), CSIR-NIO. Hands-on Training Course in chromatographic Techniques was conducted by Dr. Supriya Shet Tilvi to Graduate students of Government college of Arts, Science and Commerce, Saquelim-Goa on 22nd March, 2024. Conducted talk on Career in Oceanography at CSIR-National Institute of Oceanography, Goa to 12th Standard Students of Goa by Dr. Supriya Shet Tilvi on 26th April, 2024.



Dr. KEISHAM SARJIT SINGH

Principal Scientist & Assistant Professor AcSIR
Chemical Oceanography Division (COD), CSIR-NIO
Received appreciation certificate for delivering talk on “Potential of Marine Organisms in Drug Discovery Research” at Carmel College, Nuvem, Goa, on 8 Feb. 2024 as a part of VIDHYAN DHARA 2024 lecture series organized by Department of Higher Education (DHE), Govt. of Goa.



Dr. SUJIT BHATTACHARYA

Chief Scientist & Professor AcSIR
Innovation, Entrepreneurship and Diffusion (IED), CSIR-NIScPR
IPRs: Its Implications for Research, Innovation and Sustainable Development. Presentation at the World IP Day and delivered guest lecture talk on “Technology Readiness Level and Beyond: Conceptual and Analytical Introspection” at IIT Indore on 26th and 27th April 2024.



Dr. SANDHIYA LAKSHMANAN

Scientist & Assistant Professor AcSIR. Energy, Environment and Sustainability Division (EESD), CSIR-NIScPR. Selected as Member of “Indian National Young Academy of Science” (INAYAS) on 1st January, 2024 and inducted on 16th February, 2024.



DR. MANIS KUMAR JHA

Chief Scientist & Professor AcSIR
Metal Extraction & Recycling Division (MER), CSIR-NML
Special Guest in TECHNIKA 2K23 at Arka Jain University during 19-20 Jan 2024
4hFelicitated by the Principal of Ghatsila College, Ghatsila on 26.04.2024



Prof. SHANTANU SENGUPTA

Chief Scientist & Professor, AcSIR
CSIR-IGIB, New Delhi
President of the Proteomics Society, India. (For three Years)
From Jan-2024 to Dec-2026, by Proteomics Society, India.



Dr. AASTHA MISHRA

Sr. Scientist & Assistant Professor, AcSIR
CSIR-IGIB, New Delhi
Visit London, UK to attend the PVRI 2024 Annual Congress at London, UK from 31.01.2024 to 04.02.2024



Prof. Pradeep Kumar Ramancharla, CSIR-CBRI Director, three distinguished scientists – Dr. Ajay Chourasia, Dr. Manojit Samanta, Dr. Chanchal Sonkar, and three enthusiastic students – Vaibhav Mittal, Moka Eswar, Gopal Das participated in the prestigious 18th World Conference on Earthquake Engineering (18WCEE), held in Milan, Italy, from June 30 to July 5, 2024. This globally recognized event gathered experts, researchers, and industry professionals to discuss and share advancements in earthquake engineering. Our delegation included. Their participation and contributions have brought significant recognition to our institute on an international platform.



Dr. TEJENDER S. THAKUR

Principal Scientist & Associate Professor AcSIR
Biochemistry & Structural Biology Division, CSIR-CDRI
Selected as **Associate Editor** of Inorganic Chemistry Communication Journal.



Dr. Bhausahab Ashok Botre

Senior Principal Scientist & Associate Professor AcSIR
Societal Electronics Group, CSIR-CEERI, CSIR – Raman Research Fellowship for research visit to Bournemouth University, UK. The Fellowship was to carry out research on topic “Human-Computer Interaction-based Assistive Robotic Smart Power Wheelchair for People with Disabilities and the Elderly.” The duration of the research visit : March 15, 2024, to June 14, 2024.



Dr. Debojyoti Chakraborty

Pr. Scientist, CSIR-IGIB, visited Croatia, to attend the EMBO YIN Retreat 2024 at Croatia from June 10-14, 2024 from 10.06.2024 to 14.06.2024



Dr. Sheetal Gandotra

Pr. Scientist, CSIR-IGIB, visited Germany, to attend the EMBO Symposium from June 18-21, 2024 at Germany from 18.06.2024 to 21.06.2024



Dr. Sandhiya Lakshmanan

Scientist & Assistant Professor AcSIR
Energy, Environment and Sustainability Division (EESD), CSIR-NIScPR
Delivered a talk on "**Advanced Paper Writing Skills**" as part of the short course on Agronomic Research for Food Security and Environmental Stewardship in a Changing Scenario, organized by the Indian Society of Agronomy, New Delhi, on 26th June 2024.



Dr. Manish Mohan Gore

Scientist & Assistant Professor, AcSIR
Science Media Communication Cell (SMCC), CSIR-NIScPR
Delivered a talk on "**Innovative Approaches to Science Communication**," organized by the School of Liberal Studies and Media, UPES University, Dehradun, on 11th July 2024.



Dr. Charu Lata

Principle Scientist & Associate Professor AcSIR
Traditional Knowledge (TK), CSIR-NIScPR
Selected as a Fellow of the International Society for Environmental Botanists and received the award on 5th June 2024 from Prof. Ramesh V. Sonti, Director of IGCEB, New Delhi, Dr. Ajit Shashney, Director of CSIR-NBRI, and Prof. P.V. Sane, Former Director of CSIR-NBRI, at CSIR-NBRI, Lucknow.



Prof. (Dr.) Vipin Kumar

Senior Principle Scientist, CSIR-NIScPR
Coordinator & Professor - Academy of Scientific and Innovative Research (AcSIR) and Head - Energy, Environment and Sustainability Division (CSIR-NIScPR)
Delivered a talk on "**TRL Assessment and Readiness Technologies**" at National Chemical Laboratory (NCL), Pune, on 25th June 2024.



Dr. Sujit Bhattacharya

Chief Scientist & Professor AcSIR
Innovation, Entrepreneurship and Diffusion Division (IED), CSIR-NIScPR
Delivered a lecture talk on "**Overview : TRL Technologies Rediness Level**" at National Physical Laboratory, NCL, Pune on June 25, 2024

Extracurricular Activities

CSIR-CDRI

won the Championship in Women Badminton Tournament in singles (Dr. Niti Kumar, Principal Scientist & Associate Professor AcSIR, Molecular Microbiology & Immunology Division, CSIR-CDRI) and in team (Ms. Sahitya Uppada (Enrolment No. 10BB22A04021, Supervisor: Dr. Manoj K Barthwal, CSIR-CDRI), Harshita Maheswari and Dr. Niti Kumar) at 51st Shanti Swarup Bhatnagar Memorial Indoor Final Tournament (SSBMT Indoor) held at CSIR-IMMT, Bhubaneswar during 15-19th March 2024.



Shodhaarambh: Induction Ceremony Program was organized for the newly admitted students in the PhD Program for the January 2024 batch. As part of the event, each new researcher participated in planting a tree at the Student's Corner.



CSIR-CRRI

AcSIR PhD students and some project assistants participated at IIT Delhi organized seminar on Emerging Issues and Challenges for Pedestrian Safety on 1st May 2024.



CSIR-IIP

Member of Organizing Committee, Aagaz 2.0, National Science Day 2024, would like to share some of the pictures of the event. We organized the scientific poster competition, scientific rangoli competition, science quiz, and photography competition theme.



CSIR-NAL

AcSIR students participated in cultural events during MATHRU BHASHA DIWAS celebration on Feb 21st 2024 at CSIR-NAL. AcSIR students and Coordinator CSIR-NAL inspired and created scientific temper while addressing the students of Kendriya Vidyalaya - NAL



CSIR-IICT

#SAMYUKTH, the annual student festival of science and culture was inaugurated in CSIR-IICT on 21st March 2024 by #hyderabadmetro MD Mr NVS Reddy. Mr Reddy, the chief guest at the inaugural, lighted the lamp along with two guests of honor Prof. Ajay Dhar (Associate Director, AcSIR) and Dr Bhanu Manjunath (Director, Syngenta Biosciences). Our own Director Dr D Srinivasa Reddy welcomed the gathering.



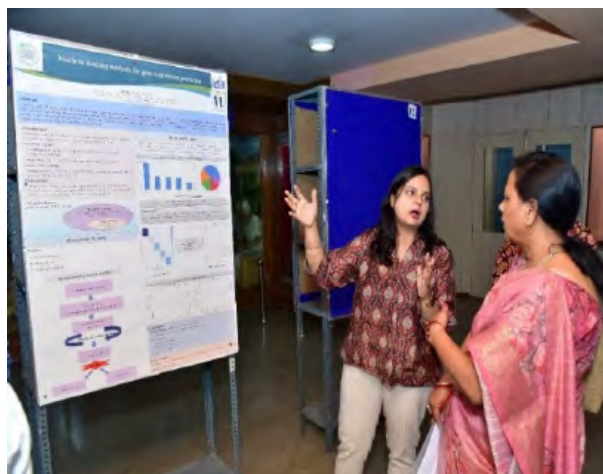
#SAMYUKTH (Annual Student Festival)

As a part of CSIR-IICT annual students festival SAMYUKTH-2024, a "POSTER DAY" is organized on 18th March 2024. Several master and engineering students from various colleges participated in this event. In the inaugural session Director Dr. D. Srinivasa Reddy made a presentation about CSIR and CSIR-IICT and their achievements in science and societal programs.

CSIR-NBRI

Summer Plant Science Fest- 2024, Funded by AcSIR & CSIR-NBRI went successfully





Engaging with Nature and Knowledge: Highlights from NBRI Events

Annual Rose & Gladiolus Flower Show

CSIR-NBRI hosted its highly anticipated 2-day **Annual Rose & Gladiolus Flower Show** on **20-21 January 2024**.

A key attraction was the **valedictory ceremony** graced by **Prof. Manoj Dhar**, who also interacted with 75 AcSIR students before the event. The session provided clarity on rules and introduced students to new AcSIR initiatives.

The flower show featured creative student-led stalls, including one on the benefits of **millets**, where visitors sampled delicious millet-based dishes. Another team promoted environmental awareness by distributing cloth and jute bags to reduce plastic usage—a drive that received generous appreciation and donations. Prof. Dhar applauded these efforts, highlighting their societal impact.

Summer Plant Science Fest (SPSF)

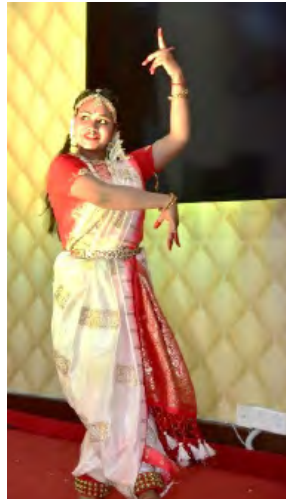
The **Summer Plant Science Fest (SPSF)**, organized annually since 2018, returned on **15-16 April 2024** at CSIR-NBRI. This two-day event included dynamic activities like **oral and poster presentations**, a **nature walk**, and a **treasure hunt**, captivating participants and audiences alike.

Prof. Dhar, the Guest of Honor, shared insights into AcSIR's innovative iPhD program and discussed the launch of Science Clubs across CSIR institutes. The event fostered academic enthusiasm and collaboration, with attendees including the Director of CSIR-NBRI, scientists, and students.

Both events beautifully blended science, sustainability, and creativity, leaving participants inspired to pursue impactful initiatives.







CSIR-NIScPR

The Phenome India event, known as the CSIR Cohort Health Knowledgebase (PI-CHeCK), took place at CSIR-NIScPR, from March 2nd to March 5th, 2024. Engaged AcSIR Ph.D. scholars contributed their active involvement in the medical camp.



Third Foundation Day of CSIR-NIScPR – the poster presentation competition held on 8 February 2024 – Director, CSIR-NIScPR, Coordinator, Faculty and Students together.

CSIR-IMMT, Bhubaneswar

In association with AcSIR centre at CSIR-IMMT, Bhubaneswar had hosted Prof. Rene Gree, CNRS Director of Research (Em.) and Scientific Advisor of the Indo-French collaborations, Université de Rennes, France in its premise on 21st June 2024 to deliver CSIR-IMMT Diamond Jubilee Lecture of eminence. He is the pivot for steering a longest serving Indo-French centre as well as a researcher par excellence.

The title of the lecture was "The key role of Serendipity and Curiosity in Science". He had interacted with all the AcSIR students and Research scholars, and provided valuable inputs on their doctoral program and challenges ahead.



CSIR-IMMT DIAMOND JUBILEE LECTURE OF EMINENCE

The key role of Serendipity and Curiosity in Science

FRI | 21 JUN 2024 | 11:30 AM

SPEAKER
Prof. René Grée
CNRS, Director of Research (Em.) & Scientific Advisor of the Indo-French Joint Laboratory, University of Rennes, France

Venue: SS Bhatnagar Hall

Organized by,
CSIR-Institute of Minerals and Materials Technology
CSIR, Ministry of Science and Technology, Government of India, Bhubaneswar - 751013, Odisha, India,
e-Mail: oi@immet.res.in, URL: www.immet.res.in



 [acsir-india](#)

 [AcSIR.India](#)

   [AcSIR_India](#)

