

Bravura

Ascend of ACSIR

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Academy of Scientific and Innovative Research (AcSIR)
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Chancellor Message

Dear Readers,

It is my pleasure to extend a warm greeting to all readers of Bravura, the esteemed magazine of the Academy of Scientific and Innovative Research (AcSIR). As the newly appointed Chancellor, having joined this prestigious institution five months ago, I am delighted to contribute to this platform that celebrates and disseminates the remarkable achievements fostered by AcSIR students and faculty.

With 82 National Level laboratories (38 CSIR Institutes, 28 ICMR Institutes and other National Level Labs) as affiliated Research Institutes, AcSIR possesses a vast ecosystem of resources and expertise that positions it at the forefront of higher education and research in the domains of Science and Technology. The bright minds working within these institutions represent the next generation of scientific leaders and innovators. Through their dedication, creativity, and perseverance, they are poised to drive forward the research agenda of AcSIR, shaping the future of science and technology in India and beyond. They serve as the pillars of strength upon which AcSIR's reputation as a premier higher education research institution is built, laying the foundation for transformative advancements and global impact.



As we continue to push the boundaries of scientific knowledge and innovation, I extend my heartfelt gratitude to all the researchers, faculty, and students who contribute to the mission of AcSIR. Their dedication, passion, and relentless pursuit of excellence are the driving forces behind our success.

Bravura: Ascend of AcSIR is a remarkable initiative to showcase our students' interests in interdisciplinary research areas and their corresponding achievements in academics. It also serves as a great way of learning about AcSIR's recent activities.

Thank you for being a part of this journey. I am confident that together, we will continue to achieve great heights and make lasting contributions to the global scientific community.

With warm regards

Prof. P. Balaram

Chancellor, Academy of Scientific and Innovative Research

Director's Message

“The Academy of Scientific and Innovative Research, AcSIR achieved new milestone by signing an agreement with the Indian Council of Medical Research (ICMR)”



Prof. Manoj K. Dhar
Director, AcSIR

It gives me immense pleasure to present the second edition of the AcSIR Magazine, covering the events and achievements from June to December 2023. This publication serves as a platform to showcase the remarkable efforts of our students, faculty, and stakeholders, as well as to disseminate the latest developments at AcSIR.

A significant milestone during this period was the signing of the **Memorandum of Agreement (MoA)** with the **Indian Council of Medical Research (ICMR)** on December 13, 2023. This collaboration has officially recognized 28 ICMR laboratories as associated Research Institutes of AcSIR, and has led to the creation of the **Faculty of Medical Research** at AcSIR, expanding our reach into critical areas of medical research.

On **November 7, 2023**, we celebrated AcSIR's **7th Convocation** at the Dr. Ambedkar International Centre, New Delhi. The event was graced by **Dr. Jitendra Singh**, Hon'ble Minister of Science & Technology, as the Chief Guest. It was a proud moment for AcSIR, as we conferred degrees upon our graduating students, and showcased our commitment to academic excellence. I am also proud to share that AcSIR awarded **624 PhDs** in 2023, the highest number of PhD degrees awarded in a single year by our institution.

As part of our ongoing efforts to innovate, the **iPhD Program** (*i* stands for innovative, imaginative and industry linked) was launched during the convocation by the Hon'ble Minister. The iPh.D is a unique Program with curriculum based on Innovation and Entrepreneurship, backed by industry support, guided by competent mentors and world class research infrastructure. The first collaboration under the iPh.D program was established between AcSIR and the National Innovation Foundation (NIF)-India, with the Memorandum of Understanding signed on September 21, 2023.

Another notable highlight was the launch of **Science Clubs** at various AcSIR centers, driven by the initiative of our students. The most recent inauguration of the AcSIR Science Club took place on **December 22, 2023**, at **CSIR-CECRI** during the **Nobel Day Celebrations**, in the presence of **Dr. K. Ramesha**, Director, CSIR-CECRI.

This edition of the magazine covers these major milestones and also highlights the outstanding achievements of our students and faculty. I hope it serves as an inspiration to all and reinforces the importance of research, innovation, and collaboration.



Convocation

Seventh Convocation, November 7, 2023

In a grand display of academic prowess and scholarly achievement, the Academy of Scientific and Innovative Research (AcSIR) recently held its seventh convocation ceremony, a momentous occasion that underscored the institution's commitment to nurturing intellectual excellence and fostering innovation in the field of science and technology. Taking center stage at the esteemed Dr. Ambedkar International Hall, this ceremonious event brought together a distinguished assembly of luminaries, scholars, and dignitaries to commemorate the accomplishments of the graduating class and inspire them to embark on their journey of discovery and exploration.

At the helm of this prestigious gathering was the esteemed presence of Dr. Jitendra Singh Ji, Hon'ble Union Minister of State for Science and Technology & Vice President, CSIR, who graced the occasion as the Chief Guest. Dr. Singh's participation lent an air of eminence and significance to the proceedings, symbolizing AcSIR's unwavering dedication to excellence and advancement in the realm of scientific research.

Accompanying Dr. Jitendra Singh Ji were esteemed personalities including Prof. Manoj Kumar Dhar, AcSIR Director, Prof. N. Kalaiselvi, Chancellor of AcSIR & DG CSIR, and Prof. Suresh K. Bhargava,



Director for CAMIX at STEM College, RMIT University, Australia, among others. Their presence, alongside coordinators, senate members, members of the Board of Governors, Deans, Associate Deans, and Distinguished Faculty, served as a testament to AcSIR's collaborative spirit and commitment to academic excellence.

The convocation unfolded as a vibrant tapestry of achievement and aspiration, with each segment meticulously crafted to honor the graduating scholars and inspire them for the journey ahead. The Academic Procession, led by Prof. N. Kalaiselvi, marked the commencement of the ceremony, signaling the start of a new chapter in the lives of the graduates as they prepared to embark on their professional endeavors.

A highlight of the event was the launch of the AcSIR-i PhD Program by Dr. Jitendra Singh Ji, a groundbreaking initiative aimed at cultivating the next generation of scientific leaders and fostering cutting-edge research. This momentous announcement underscored AcSIR's

commitment to innovation and academic excellence, paving the way for groundbreaking discoveries and advancements in the field of science.

Throughout the ceremony, poignant moments unfolded, including the unveiling of the Annual Report of the RMIT-AcSIR Joint Research Program, which showcased the institution's collaborative efforts in pushing the boundaries of scientific knowledge and technological innovation.

The ceremony also featured the presentation of prestigious awards such as the Prof. Baldev Raj Memorial Award and the AcSIR Best PhD Thesis Awards, recognizing individuals for their exceptional contributions to the scientific community and inspiring future generations of researchers and innovators.

In his Convocation Address, Dr. Jitendra Singh Ji imparted words of wisdom and encouragement, urging graduates to embrace challenges with resilience and determination as they embark on their professional journey. As the ceremony drew to a close, Prof. N. Kalaiselvi conferred degrees upon the graduates, symbolizing the culmination of their academic endeavors and the beginning of a new chapter filled with endless possibilities and opportunities for growth and discovery.

As graduates stepped into the world beyond AcSIR, they carried with them the values of inquiry, innovation, and integrity instilled by the institution, poised to make meaningful contributions to society and shape the future of scientific inquiry in India and beyond.

527 PhD Students awarded in 2022

The Highest in number in STEM in India







AcSIR Best PhD Thesis & Prof. Baldev Raj Memorial Awardees



First of its kind in India

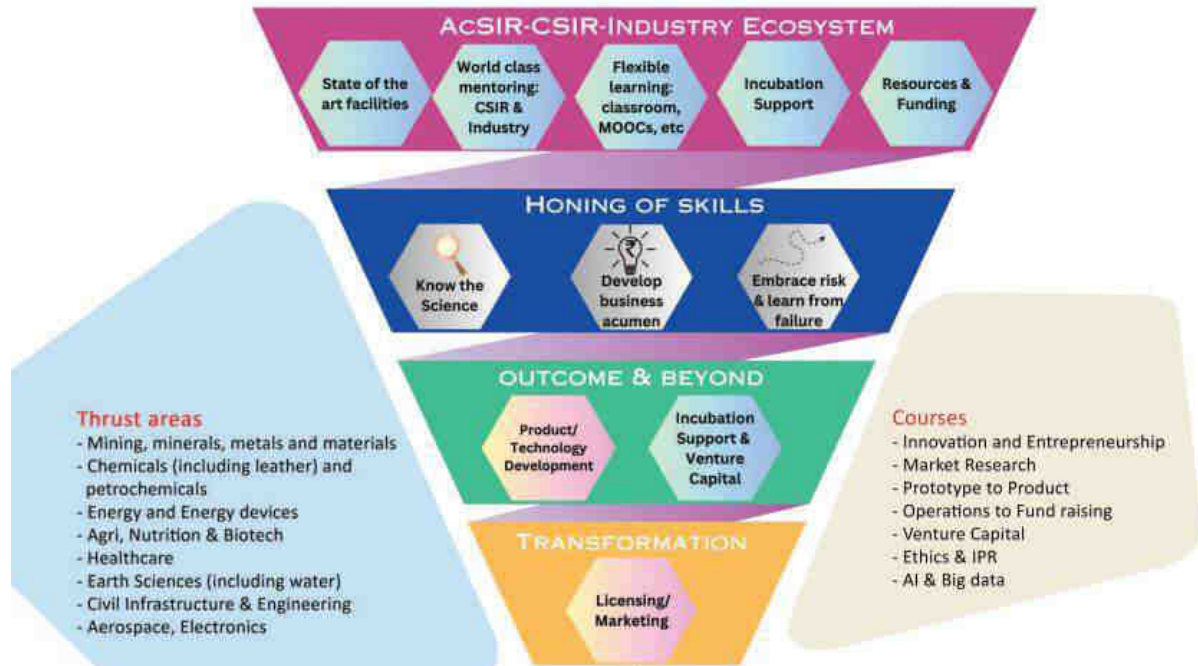
Launch of iPhD

AcSIR-NIF Doctoral Innovation Fellowship

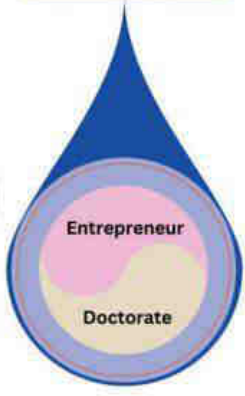


iPh.D

Student to Sciencepreneur



AcSIR- NIF Doctoral Innovation Fellowships



Partner

राष्ट्रीय नवप्रवर्तन प्रतिष्ठान - भारत
National Innovation Foundation - India

Prospective Partner

Reliance Industries Limited

TATA POWER

SOCIAL alpha

adani Power

Bharat Petroleum
Integrating Daily

Structure of the iPhD program

Program focus

Research to develop new product/ technology for the progress of the Nation and also for societal good

Eligibility

Master degree holder with entrepreneurial mindset

Mentorship

selected candidates shall jointly be supervised for Ph.D. by the faculty of AcSIR and scientists/technologists of NIF

Coursework

- Minimum credit requirement of 18 credits
- Built-in flexibility for completing the specially designed courses, related to innovation & entrepreneurship, within 3 years of enrolment apart from few compulsory courses on Research Methodology, Research & Publication Ethics, etc.

Monitoring:

- Monitoring Committee (having industry experts as members) shall review the progress of the student every 6 months,
- Monitoring Committee shall be constituted by the Director, AcSIR and shall also serve as Doctoral Advisory Committee (DAC).
Comprehensive Examination: Evaluation of progress in technology at the end of 3rd year

Comprehensive Examination

Evaluation of progress in technology at the end of 3rd year

Residency

Student shall have flexibility to work in different Labs (industrial or scientific) and/or remain in field

Program Duration

The PhD. degree program shall be for a minimum duration of three (3) years, including course work and a maximum of six (6) years from the date of admission to the PhD. program

Thesis submission pre-requisites

Filing of two Patents shall be mandatory before submission of Ph.D. thesis.

Award of Ph.D. degree

Thesis on TRL 4 level technology and its evaluation by Technologists/ industry Experts for the award of the PhD degree.

Post Ph.D. Support

Support with respect to Incubation of business idea, etc.

iPh.D

Student to Sciencepreneur



What impressed me more was also close to my heart “ The Launch of iPhD” and I had been saying from the beginning that How best do we link our industry with our scientific endeavours, which leads to innovation, which leads to startup and We need to have strong, livelihood, sustainable, financial linkage which is possible only with the linkage of industry, I’m glad that this government by Prime Minister Shri Narendra Modi Ji were open as this parameters concerned” The growth story across the world from today onwards is going to be Science based, even economy and tomorrow, I think we should have wider interact infact one of the MOU got signed by CSIR with IIM, we need to have management component also, economy, commerce component gradually coming on it, so the innovators of next 25 years will also be the torch bearer of India’s growth story. So we are possibly without paying contributing to that cost, when it happens we have reason to look back.

By iPhD Ecosystem

“We have shown India the path of moving out from the position of unemployed educated scholars in the era of Science Entrepreneur”- Dr. Jitendra Singh (Hon’ble Minister of Science & Technology)



“As you are aware, I in AcSIR stands for innovative, therefore in line with the mandate of AcSIR, we are taking a novel initiative today by launching a first-of-its-kind Ph.D program called iPhD i-stands for innovative, imaginative, industry-linked Ph.D program. A Ph.D program where right from the enrolment to the award of the degree, a student will be mentored by the Scientist of the Laboratory and the industry expert. The program will have the flexibility and a unique combination of courses, especially, entrepreneurship, venture capital, marketing, fund- raising, etc. There shall be greater emphasis on Technology development followed by Incubation support by



the industry. In this regard, as a first step, the National Innovation Foundation has agreed to provide 15 fellowships, connect with grass-root innovators and mentorship. We are in the final stages of discussion with major industries for further support to the program. I am sure that this program will prove to be an important milestone in producing next generation scientists who would be called Sciencepreneurs and will thus help in endeavour of fostering innovation, further building the startup ecosystem and contributing towards Atmanirbhar Bharat”

- Implementation of the National Educational Policy announced by Hon’ble Prime Minister Shri Narendra Modi ji during 2020,
- Establishment of Anusandhan National Research Fund,
- Emphasis of the Government on building Startup ecosystem.

Prof. Manoj K. Dhar
(Director, AcSIR)

“It was 5th September 2017, visit of Padmasri R.A. Mashelkar, First Chancellor of AcSIR, to my office in Melbourne, and **He presented the formation of AcSIR, India quickly realized that is the most innovative product, India has done so far in the academic field,** where all the CSIR Laboratories PhD graduates are doing the transmission research. It took only 4 hours to sign the MoU, between RMIT & AcSIR, but it was the late Dr. Baldev Raj the second Chancellor of AcSIR and who signed the agreement on the day with RMIT. RMIT committed more than 100 crores to scholarship to CSIR graduates who are ready to make the difference in the world.



Prof. Suresh K. Bhargava,
Director for CAMIX at STEM College, RMIT University, Australia

AcSIR-RMIT flagship program now has 52 students engaged in the joint PhD Program in the multidisciplinary research areas. Ultimately students can avail the fellowship for 1 year supervised at both the institutes which includes airfare, medical insurance and access to the world class infrastructure.

Prof Baldev Raj Memorial Award for the best performance in PhD AcSIR-RMIT flagship program has been jointly awarded to

1. **Dr. Sangita Kumari** CSIR-IIP, Dehradun (2021)
2. **Dr. Shubhendra Kumar Jain**, CSIR-NPL, New Delhi (2021)
3. **Dr. Yogalakshmi NJ**, CSIR-SERC, Chennai (2022)
4. **Dr. Shweta**, CSIR-NPL, New Delhi (2022)

You and I do for the Country

“Because the country journey is very important once upon a time, India is really longing for independence, but after independence India was really longing for some kind of three time meal for a day, like this green revolution started, white revolution started, then industry revolution started, blue revolution started, now new revolution is required to just to prove that reach net zero, this is the change, this is the opportunity to all, some justice to nation, to the earth, now our nation is not waiting for all the globe is watching what India is going to do in next 1 year, 2 years, 5 years or 10 years. Our friends made big achievements in space. AcSIR model should be successful model, why because in

this AcSIR graduates, I think 3/4th are women only, women are already taking the powers.

Last year CSIR society meeting was happening, originally the time given for the meeting by the Hon'ble Prime Minister was 1 hour, but the meeting went for 1 hour 55 mins, the Hon'ble PM of the country sitting for a scientific meeting 55



mins extra, that is a clear demonstration National leadership is celebrating science & technology and today Hon'ble Minister of S & T typically cancelled few programs and he made available here and grace the occasion for science and technology graduate convocation ceremony.

The Country always celebrates Raman's effect as National Science Day, AcSIR celebrate Raman's birthday as the Convocation of AcSIR day, let us celebrate Science & technology, and let us get a few Ramans from these graduates and I wish it should happen that will be the success of AcSIR”

Prof. N. Kalaiselvi

AcSIR Chancellor, DG CSIR & Secretary DSIR





AcSIR & ICMR

**MoA between Academy of Scientific and Innovative Research and
Indian Council of Medical Research signed**





FACULTY OF MEDICAL RESEARCH

A new chapter in the history of AcSIR was added on December 13, 2023. AcSIR signed a Memorandum of Agreement with the Indian Council of Medical Research (ICMR) and a new faculty of "Medical Research" was created at AcSIR. This is a significant development towards making AcSIR a multi-disciplinary Research Institution for promotion of cutting-edge research in

cross-disciplinary areas. This would provide much needed impetus to the medical research in the country.

The agreement was signed by Prof. N. Kalaiselvi, Chancellor, AcSIR, DG, CSIR & Secretary, DSIR and Prof. Rajiv Bahl, DG, ICMR & Secretary, DHR in presence of Prof. Manoj K. Dhar, Director, AcSIR, among others, at a function held at ICMR-NIMR.



Prof. N. Kalaiselvi, Chancellor, AcSIR highlighted that the collaboration between AcSIR and ICMR will allow the students from various backgrounds, STEM to explore medical sciences through audit courses, fostering interdisciplinary knowledge. To ensure the smooth implementation of the program, AcSIR and ICMR should conduct regular meetings either every three months or twice a year to monitor functionality. The collaboration between ICMR and AcSIR will be a fusion of different fields of education, offering students intradisciplinary learning opportunities.



Dr. Rajiv Bahl, Director-General of ICMR, highlighted the partnership's aim to increase medical researchers in India, addressing the significant disparity compared to the USA. This collaboration intends to bolster medical research prospects in India, benefitting future generations. He mentioned that the partnership between AcSIR and ICMR aims to increase the number of medical researchers in India, currently limited to 1000 per year, compared to 14,000 in the USA. The collaboration between AcSIR and ICMR will enhance the prospects of medical research in India and Future generations will benefit from this MoA.

The introduction of Medical Sciences in AcSIR, along with interdisciplinary learning, is expected to promote future innovators and entrepreneurs among the students. The partnership between ICMR and AcSIR aligns with the Prime Minister's vision for a healthy India, extending the focus beyond science and technology. With this collaboration of AcSIR and ICMR, the students of ICMR and CSIR will be connected through research. It is an accomplishment for a 12-year-old institution to be ranked 12th in the NIRF. Praised ICMR for their efficient processes, citing an example of the swift transfer of funds. She also mentioned the recent launch of the iPhD by the Minister of Science & Technology. The Chancellor of AcSIR also praised the leadership of AcSIR, acknowledging the valuable experience of one leader in research institutions and the other in universities, which will contribute to the further strengthening of AcSIR.

He also referred to a recent meeting with the Prime Minister, where the Prime Minister proposed increased collaboration among research institutes. Such collaborations will also contribute to focusing on less-explored areas of research. Emphasizing the Prime Minister's call for increased collaboration among research institutes,

Dr. Bahl proposed regular meetings to monitor and fortify the program, with admissions for the first batch scheduled in August 2024.



Science Club



Inauguration of AcSIR Science Club at BSIP

An AcSIR (Academy of Scientific and Innovative Research) Science Club was inaugurated at Birbal Sahni Institute of Palaeosciences, Lucknow by Director Prof. Mahesh G. Thakkar. This event was successful as all the AcSIR student and scientific staff of BSIP participated and seemed very interested and happy. The event began with a small introduction to the event by Mr. Prashant Mohan Trivedi, Vice President, AcSIR Science Club who was also anchoring the event.

This club is an opportunity for the AcSIR PhD students for better interaction among them and to improve their skills as well as discuss the problems that occur during research. The Director addressed the students of AcSIR as well as welcomed the new batch



that joined the same day. He focused on the innovation and role of scientists in society. He also emphasized to improve the skills and to learn from juniors. His concern was towards student-mentor relationship as a lifetime relation and to reflect the scientific work in the society. He also mentioned the support of our prime minister for the startups in India. Dr. Ratan Kar, Coordinator

AcSIR, told the importance of the club and that it will enhance communication and increase the relations between students of different disciplines.

In the same series of events, there were scientific stories told by Mr. Masood Kawsar and by Ms. Pooja Saraf. Mr. Masood Kawsar talked about 'Application of Statistics and Probability in Monsoon Research'. Ms. Pooja Saraf talked about 'Ecological Niche modeling to Project past, current and future distributional shift of *Aegle marmelos* (L.) Correa (Bael) in India'.

After that, there was an interesting group discussion on 'The role of ethics in science'. AcSIR students Mrs. Aparna Dwivedi, Ms. Adhra Renny, Mr. Anand Rajoriya, Mohd Ikram, Ms. Snigdha Konar, Ms. Sneha Mary Mathew participated in this. They discussed what is ethics in scientific research, why it is important, what are the unethical practices, how the unethical practices effect science and how to resolve them. The classic examples of unethical practices in science were discussed with the effects it has on the scientific career and dignity of the person involved. In concluding remarks, President, AcSIR Science Club, Mrs. Aparna



Dwivedi, stated we should have ethical awareness from very early age and it should be incorporated in our culture. Audience was very interested in the discussion and Dr Binita Phartiyal, Scientist F, BSIP discussed about how unethical practices in the field affect science. False fossil evidences that has been much debated all over the world as classic example of fraud in science all over the world were discussed. Mr. Suraj, the moderator of the discussion kept it in a direction in very smooth manner with his curious questions.

The discussion was followed by memento distribution to the participants by Dr. Ratan Kar and



a vote of thanks by Mrs. Aparna Dwivedi, President, AcSIR, Science Club. Towards the end of the event, the national anthem was recited followed by a group photograph and high tea. We all look forward to the next event of the club.



The collaborative engagement between graduate students and our AcSIR scholars, held as part of the AcSIR Science Club's monthly event at the Birbal Sahni Institute of Palaeosciences in Lucknow, achieved notable success on National Science Day, February 28, 2024. Throughout the event, AcSIR scholars demonstrated exceptional commitment by providing comprehensive insights into the various facilities available at the institute; served as an invaluable opportunity for the graduate students to broaden their understanding of the research landscape. A pivotal aspect of the interaction was the visit to the BSIP museum, where graduate students were enthralled by the wealth of knowledge shared by our esteemed scholars. Guided by their expertise, the students delved into the intricate world of rocks, fossils, pollens, and spores, gaining a deeper appreciation for the richness of the earth's history and the importance of

palaeosciences in unraveling its mysteries. The AcSIR Science Club extends its heartfelt gratitude to Dr. Sanjay Singh and Dr. Nilay Govind for their support. Overall, the event not only showcased the remarkable synergy between graduate students and AcSIR scholars but also underscored the commitment of the scientific community towards nurturing curiosity and fostering a culture of learning and collaboration.





The AcSIR Badminton Tournament, organized under the AcSIR Science Club monthly activity at Birbal Sahni Institute of Palaeosciences, Lucknow, was a resounding success on January 27, 2024. The event showcased not only the scientific ability of AcSIR students but also their athletic ability and sportsmanship. The tournament commenced with a spirited opening ceremony, graced by the presence of distinguished faculty members and the AcSIR coordinator. This tournament covered the men's singles, women's singles, men's doubles, women's doubles and mixed doubles matches. A significant number of AcSIR students actively participated in the badminton tournament, reflecting the widespread interest and enthusiasm among the science community. The tournament attracted a sizable audience, including students, faculty, and staff, creating a lively and supportive atmosphere. The tournament featured intense final matches, where the top players competed for the coveted titles. The winners included Amal M.S (Men's Single), Adhra Renny (Women's Single), Ikram and Kumail (Men's Doubles), Adhra and Jina (Women's Doubles), Amal M.S and Jina (Mixed Doubles), all graciously honored by Prof. M. G. Thakkar (Director, BSIP).



Science club at CSIR-National Institute of Oceanography

The AcSIR Science Club is comprised of enthusiastic individuals who have been appointed to key positions within the club:

1. **Mr. Sohal Pal Meena** (Enroll. No.: 10PP23A29012)- President
2. **Ms. Falak Shaheen** (Enroll. No.: 10PP22A29005)- Vice President
3. **Ms. Shyamli Kumari Singh** (Enroll. No.: 10PP22A29012)- Treasurer
4. **Mr. Shlok Chitre** (Enroll. No.: 10PP21A29007)- Secretary
5. **Mr. Rohit M Dhavjekar** - AcSIR Executive Assistant
6. **Dr. Narsinh L. Thakur**- Coordinator

Under their leadership, the club aims to facilitate vibrant discussions and activities that explore various aspects of science, culture, history, the future, and the societal impact of scientific advancements.

Objectives:

The primary objectives of the AcSIR Science Club are as follows:

1. **Facilitate Knowledge Exchange:** Provide a platform for students to exchange ideas, share knowledge, and explore interdisciplinary connections within the realm of science.
2. **Promote Intellectual Discourse:** Organise discussions, seminars, and workshops to encourage critical thinking and intellectual discourse on scientific topics.
3. **Foster Community Engagement:** Create a sense of belonging and community among AcSIR students by organising social and cultural events that complement scientific pursuits.
4. **Encourage Leadership and Collaboration:** Empower students to take on leadership roles, collaborate on projects, and actively participate in club activities.

Activities Plan:

1. **Monthly Discussion Forums:** Organise monthly discussions on diverse scientific topics, inviting guest



speakers and experts to share their insights and perspectives.

2. **Workshops and Seminars:** Conduct workshops and seminars on emerging scientific trends, research methodologies, and career development opportunities.
3. **Community Outreach:** Engage in outreach activities such as science fairs, school visits, and public lectures to promote scientific awareness and literacy among the wider community.
4. **Social Events:** Host social events including movie nights, cultural festivals, and outdoor activities to foster a sense of camaraderie and friendship among club members.
5. **Research Projects:** Collaborate on interdisciplinary research projects, encouraging students to apply their knowledge and skills to real-world challenges.
6. **Science Club Newsletter:** Publish a monthly newsletter featuring articles, interviews, and updates on club activities and scientific developments.
7. **Collaboration with Other Clubs:** Forge partnerships with other student clubs and organisations to co-host events and promote cross-disciplinary dialogue.
8. **Professional Development Workshops:** Offer workshops on presentation skills, scientific writing, and career planning to enhance students' professional development.



Science Club Event Report:

Astrophysics Talk by Dr. Vithal Tilvi

Date: 15th August 2023

Time: 9:30AM-1:00PM

Venue: NK Panikkar Hall, CSIR National Institute of Oceanography

Organiser: AcSIR Science Club

Event Overview:

The AcSIR Science Club hosted an enthralling astrophysics talk featuring Dr. Vithal Tilvi, aimed at igniting curiosity and exploring the mysteries of the cosmos. Held on the auspicious occasion of 15th August, the event attracted a diverse audience eager to delve into the depths of space and time.

Event Highlights:

1. Exploring the Cosmos with Dr. Tilvi: Dr. Vithal Tilvi, a renowned astrophysicist, captivated the audience with his profound insights into the universe. Through engaging visuals and lucid explanations, he navigated through topics ranging from the birth of stars to the enigmatic nature of black holes, offering a glimpse into the awe-inspiring expanse of space.

2. Cutting-edge Research and Discoveries: The talk delved into the latest advancements in astrophysics, including groundbreaking discoveries from ongoing research projects. Attendees were enthralled by discussions on gravitational waves, dark matter, and the cosmic microwave background radiation, gaining a deeper appreciation for the frontiers of human knowledge.

3. Interactive Q&A Session: Following the presentation, participants engaged in a stimulating Q&A session with Dr. Tilvi, where they had the opportunity to pose questions and delve deeper into the topics discussed. Dr. Tilvi's insightful responses sparked further curiosity and dialogue among attendees, fostering a collaborative atmosphere of exploration.

Impact:

The astrophysics talk by Dr. Vithal Tilvi left a profound impact on attendees, inspiring awe and wonder about the vastness and

complexity of the universe. Many expressed gratitude for the opportunity to learn from a leading expert in the field, while others were motivated to pursue further study and exploration of astrophysical phenomena.

Conclusion:

The AcSIR Science Club's astrophysics talk was a resounding success, thanks to the expertise of Dr. Vithal Tilvi and the enthusiastic participation of attendees. By providing a platform for intellectual exchange and discovery, the event contributed to the promotion of scientific curiosity and exploration within the institute.

Future Plans:

Building on the success of this event, the AcSIR Science Club plans to continue organizing educational talks, workshops, and interactive sessions on diverse scientific topics. By fostering a culture of inquiry and lifelong learning, the club aims to empower students and researchers to contribute meaningfully to the advancement of knowledge and understanding.



AcSIR Science Club Event Report: Report on International Coastal Clean-Up Day 2023 in Miramar Beach, Goa

Introduction:

Every third Saturday of September marks the celebration of International Coastal Clean-Up Day (ICCD), a global initiative aimed at fostering environmental awareness and action to combat coastal pollution. This year, on September 16th, 2023, the event was observed with great enthusiasm at Miramar Beach, Panjim, Goa, under the motto "Connecting People for a Trash-Free Coastline."

Organizers and Participants:

The beach cleanup drive was organized collaboratively by several esteemed organizations including the Indian Coast Guard Ship Sujeet (ICGS Sujeet), CSIR-National Institute of Oceanography Goa (CSIR-NIO), Ocean Society of India (OSI), and National Centre for Polar Ocean Research, Goa (NCPOR). Notably, the event received distinguished support from Shri Shripad Yesso Naik, Honorable Minister of State with Independent Charge for Ministry of AYUSH, and Minister of State for the Ministry of Tourism, Ministry of Ports, Shipping & Waterways.

AcSIR Science Club Team:

A total of 500 individuals, comprising members of the Indian Coast Guard, CSIR-NIO staff, students from local colleges and schools, and community volunteers, actively participated in the beach cleanup drive. Among them, the AcSIR Science Club Team from CSIR-NIO made a notable contribution, demonstrating their commitment to environmental stewardship.

Cleanup Activities:

The cleanup activities were carried out within a designated 2 km radius area of Miramar Beach. Participants diligently worked to collect debris and trash, which included plastic waste, glass bottles, fishing nets, cloth remnants, discarded rubber products, and various other pollutants. Their concerted efforts resulted in the removal of approximately 825 kg of waste from the coastline, significantly contributing to the restoration of the beach's pristine beauty and ecological integrity.

Coordination and Leadership:

The successful execution of the beach cleanup drive was attributed to the efficient coordination led by Dr. Darwin Ramteke, a distinguished Scientist from CSIR-NIO, Goa. His leadership and expertise played a pivotal role in orchestrating the efforts of the participating organizations and volunteers, ensuring the smooth conduct of the event and the attainment of its objectives.

Conclusion:

The International Coastal Clean-Up Day 2023 in Miramar Beach, Goa, exemplified the collective resolve of communities, organizations, and individuals to address the pressing issue of coastal pollution. Through their dedicated involvement, the participants demonstrated a shared commitment to safeguarding our marine ecosystems and promoting sustainable environmental practices. Such initiatives serve as a testament to the power of collaboration and collective action in nurturing cleaner and healthier coastlines for present and future generations.



AcSIR Science Club Event Report:

CSIR - Foundation Day Celebration

Date: 26th Sept, 2023

Time: 9:30AM-1:00PM

Venue: CSIR National Institute of Oceanography

Organiser: AcSIR Science Club

Event Overview:

The AcSIR Science Club at CSIR - NIO organised an engaging and informative event as part of the CSIR's Foundation Day celebrations. The event aimed to celebrate the spirit of science and exploration, bringing together students, teachers, and science enthusiasts of all ages.

Activities: Chemistry Experiment - The Clock Reaction:

The event kicked off with a captivating demonstration of the "Clock Reaction" chemistry experiment. This experiment, which involves the reaction between two colourless solutions to produce a sudden colour change, showcased the concept of reaction rates and chemical kinetics in a visually striking manner. The demonstration was conducted multiple times throughout the day, allowing visitors to witness the phenomenon up close and ask questions about the science behind it.

Meteorites - Formation and Origin:

A highlight of the event was a presentation on meteorites, their formation, and origin. Participants learned about the different types of meteorites, including iron, stony, and stony-iron meteorites, and how they provide valuable insights into the history of our solar system. The presentation also covered the process of meteorite classification and the role of meteorites in understanding planetary formation.



Bravura, *Ascend of AcSIR (June-Dec, 2023)*

Interactive Sessions and Q&A:

Following each demonstration and presentation, attendees had the opportunity to engage in interactive sessions with club members and speakers. These sessions provided a forum for participants to ask questions, share their own experiences, and deepen their understanding of the topics covered.

Impact:

The CSIR Foundation Day celebration organised by the AcSIR Science Club received an enthusiastic response from attendees, with many expressing their appreciation for the informative and engaging activities. The event succeeded in promoting a love for science and learning, inspiring participants to explore the wonders of the natural world.

Conclusion:

The CSIR Foundation Day event was a resounding success, thanks to the dedication and hard work of club members and volunteers. The event not only celebrated the CSIR's commitment to science education but also highlighted the importance of science in our daily lives.

Future Plans:

The AcSIR Science Club plans to build on the success of this event by organizing more educational and interactive activities in the future. By continuing to engage students and the community in science-related events, the club hopes to foster a lifelong passion for learning and discovery.



Science Club Event Report: Release of the "Samudramantha Edition 2" & AcSIR Science Club T-shirt

Date: 28th September, 2023

Time: 10:00AM

Venue: NIO Auditorium (SZ Qasim Hall), CSIR-NIO, Goa

Introduction:

The Samudramantha-2023 Conference, held at CSIR-NIO in Goa, marked a significant milestone in the collaborative efforts between the AcSIR Science Club and the Sethu Student Community. The conference showcased the release of the second edition of the "Samudramantha" magazine book, curated by the AcSIR Science Club, and highlighted the diverse array of contributions including ocean research papers, poems, paintings, ocean photography, and more. Additionally, attendees were privileged to receive AcSIR Science Club T-shirts as memorabilia from the event.

Event Highlights:

Release of "Samudramantha Edition 2":

- The conference witnessed the official release of the "Samudramantha Edition 2" magazine book. This edition serves as a testament to the dedication and hard work of the AcSIR Science Club and the Sethu Student Community in fostering a deeper understanding and appreciation for oceanic research and related artistic expressions.

- The magazine book encapsulated a diverse range of content, including:

- Ocean research papers: Featuring cutting-edge research findings and insights into various facets of oceanography.

- Poems: Expressing the beauty and mysteries of the ocean through the art of poetry.

- Paintings: Visual interpretations capturing the essence of marine life and ecosystems.

- Ocean Photography: Showcasing stunning imagery that showcases the awe-inspiring beauty of the oceanic world.

2. AcSIR Science Club T-Shirt Distribution:

- Attendees of the conference were presented with AcSIR Science Club T-shirts, serving as souvenirs commemorating their participation in the event. These T-shirts not only symbolize the collaborative spirit of the scientific community but also serve as a reminder of the importance of oceanic research and conservation efforts.

Conclusion:

The Samudramantha-2023 Conference at CSIR-NIO, Goa, provided a platform for the exchange of ideas, knowledge-sharing, and collaboration among members of the scientific community, students, and enthusiasts alike. Through the release of "Samudramantha Edition 2" magazine book and the distribution of AcSIR Science Club T-shirts, the conference succeeded in fostering a deeper appreciation for oceanic research and promoting awareness about the importance of preserving our oceans for future generations.

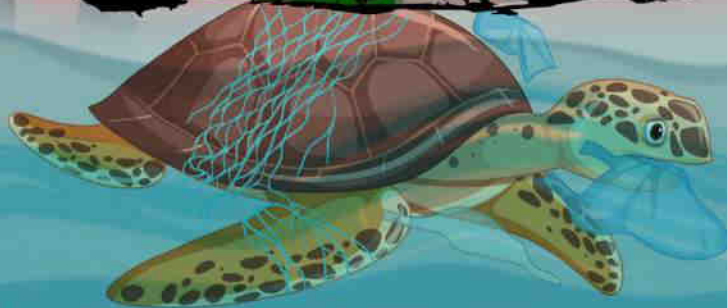
This event stands as a testament to the commitment of the AcSIR Science Club and the Sethu Student Community towards advancing scientific understanding and promoting environmental stewardship, setting the stage for continued collaboration and innovation in the field of oceanography.





AcSIR
Science Club

SAMUDRA-MANTHAN 2023



CSIR – National Institute of Oceanography
सी एस आई आर - राष्ट्रीय समुद्र विज्ञान संस्थान



AcSIR Science Club & Sethu-Student Community Event Report: National Oceanography Conference

Date: September 28-30, 2023

Time: 9:30AM-5:30PM

Venue: NK Panikkar Hall,
CSIR National Institute of Oceanography

Event Overview:

The AcSIR Science Club and Sethu, the Student Community of CSIR-NIO, proudly hosted the National Oceanography Conference at the NK Panikkar Hall on our campus. Held from September 28th to 30th, 2023, this prestigious event brought together leading oceanographers, researchers, students, and enthusiasts from across the country. The conference served as a valuable platform for sharing knowledge, fostering collaboration, and exploring advancements in the field of oceanography.

Activities:

Keynote Addresses: Renowned oceanographic experts delivered insightful keynote addresses, setting the stage for stimulating discussions throughout the conference.

Research Paper Presentations: Researchers presented their latest findings and ongoing projects through engaging presentations, sparking discussions and knowledge exchange.

Poster Sessions: Interactive poster sessions allowed participants to showcase their research through visual displays and engage in direct discussions with peers and experts.

Panel Discussions: Thought-provoking panel discussions on critical oceanographic topics facilitated in-depth exploration of current challenges and future directions in the field.

Networking Events: Dedicated networking events provided opportunities for participants to connect, build relationships, and foster potential collaborations.

Impact:

The National Oceanography Conference proved to be a resounding success. It facilitated the exchange of cutting-edge knowledge, fostered collaboration among various stakeholders, and inspired future generations of oceanographers. The event not only served as a platform for showcasing groundbreaking research but also addressed critical issues facing our oceans today.

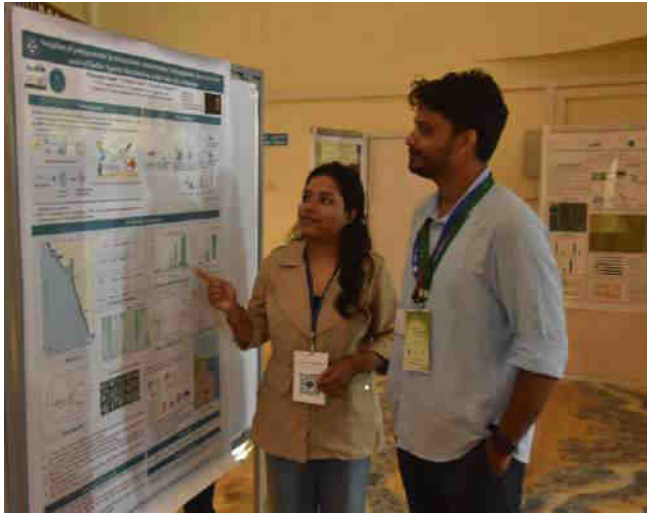
Conclusion:

The collaborative effort of the AcSIR Science Club and Sethu-Student Community in organizing the National Oceanography Conference is a testament to their commitment to advancing the field. The conference's success signifies the importance of fostering a collaborative environment for knowledge exchange and problem-solving in ocean sciences.

Future Plans:

Building on the momentum of this successful event, the AcSIR Science Club and Sethu-Student Community aim to continue organizing such conferences in the future. These events will strive to bring together the brightest minds in oceanography to address contemporary challenges and contribute to a sustainable future for our oceans.





Report on Fit India, Swachhata Freedom Run 4.0

Introduction:

The Fit India Freedom Run, an initiative by the Ministry of Youth Affairs & Sports, Government of India, aims to promote physical activity and a healthy lifestyle among citizens. In alignment with this vision, CSIR-National Institute of Oceanography (CSIR-NIO), Dona Paula, Goa, AcSIR Science Club and Sethu-Student community organized the Fit India Swachhata Freedom Run 4.0 on Saturday, 28th October 2023. This event, held at Caranzalem Beach to Miramar and back, was conducted under the theme "Swachh Bharat, Swasth Bharat," emphasizing the vital link between cleanliness and health.

Organizers and Participants:

The Fit India Swachhata Freedom Run was spearheaded by Prof Sunil Kumar Singh, Director of CSIR-NIO, who led by example in promoting fitness and cleanliness. The event witnessed active participation from both the staff and students of CSIR-NIO, along with enthusiastic engagement from members of the local community. Notably, the AcSIR Science Club Team from CSIR-NIO also participated in the initiative, demonstrating their commitment to fostering a culture of health and cleanliness.

Event Highlights:

The run encompassed a route from Caranzalem Beach to Miramar and back, covering a significant stretch along the coastline. Participants engaged in a combination of walking, running, and a cleanliness drive, symbolizing the holistic approach towards health and environmental stewardship. The event not only promoted physical fitness but also underscored the importance of maintaining clean surroundings for a healthier lifestyle.

Acknowledgment:

The Ministry of Youth Affairs & Sports, Government of India, extended their congratulations to CSIR-NIO for the successful organization of the Fit India Swachhata Freedom Run 4.0. This recognition underscores the significance of initiatives that promote both physical activity and cleanliness in building a healthier nation.

Conclusion:

The Fit India Swachhata Freedom Run 4.0 organized by CSIR-NIO exemplified the synergy between fitness and cleanliness in fostering individual and societal well-being. By encouraging participation from various stakeholders and incorporating a cleanliness drive along with the run, the event underscored the interconnectedness of physical health and environmental sustainability. Such initiatives not only contribute to the promotion of a healthier populace but also reinforce the collective responsibility towards maintaining clean and hygienic surroundings. Through collaborative efforts, we can continue to advance towards the vision of a Swachh and Swasth Bharat.





FIT INDIA SWACHHATA RUN 4.0

Congratulations to
CSIR-NATIONAL INSTITUTE OF OCEANOGRAPHY, GOA

For Successfully Organising The Fit India Swachhata Run

From 1st October 2023 To 31st October 2023



www.fitindia.gov.in



Science Club Event Report: Participation in 9th Edition of Young Scientists Fest

Date: 1st and 2nd December 2023

Time: 9:00 AM-5:30PM

Venue: Shiroda Higher Secondary School, Goa

Organiser: CSIR-NIO and AcSIR Science Club

Event Overview:

CSIR-NIO and its AcSIR Science Club participated in the 9th Edition of Young Scientists, a State-level Science and Technology Fest held at Shiroda Higher Secondary School, Goa. The event provided a platform for showcasing scientific activities, models, and fostering interaction among students, teachers, and enthusiasts. Subhash Shirodkar, Cabinet Minister in the Government of Goa, was present at the event.

Activities:

1. Demonstration of Various Activities:

Students from CSIR-NIO actively demonstrated various scientific activities during the fest. These activities aimed to engage participants and illustrate scientific concepts in an interactive manner.

2. Exhibition of Models:

The team exhibited innovative models designed to demonstrate scientific principles and real-world applications. These models were showcased to educate and inspire visitors about the wonders of science and technology.

3. Interaction Sessions:

Throughout the event, students and faculty members engaged in interaction sessions with attendees, including students, teachers, and other participants.

These sessions facilitated the exchange of ideas, knowledge sharing, and discussions on various scientific topics.

Impact:

The participation of CSIR-NIO and its AcSIR Science Club in the 9th Edition of Young Scientists Fest garnered positive feedback from attendees. The event successfully promoted scientific awareness, encouraged curiosity, and inspired the next generation of scientists and innovators.

Conclusion:

The active involvement of CSIR-NIO and its AcSIR Science Club in the Young Scientists Fest underscored the institute's commitment to fostering scientific curiosity and promoting STEM education. By actively participating in such events, CSIR-NIO aims to contribute to the development of a scientifically literate society.

Future Plans:

Building on the success of this participation, CSIR-NIO and its AcSIR Science Club plan to continue engaging in similar initiatives to promote science and technology education. The institute remains dedicated to nurturing young talent and fostering a culture of innovation and scientific inquiry.





A Journey Through Excellence: Reflecting on the Nobel Day Celebration



In the tranquil setting of Karaikudi's CSIR-CECRI campus, the Abdul Kalam Auditorium bore witness to a convergence of intellect and inspiration during the prestigious Nobel Day Celebration. On this auspicious occasion, the inauguration of the AcSIR Science Club added an extra layer of significance, symbolizing a commitment to nurturing scientific curiosity and collaboration. With Prof. Manoj Kumar Dhar, Director of AcSIR, gracing the event as Chief Guest, the stage was set for a day of profound insights and scholarly discourse.

As the proceedings commenced, the auditorium came alive with anticipation, each attendee eager to immerse themselves in the wealth of

knowledge that awaited. Dr. K. Ramesha, Director of CSIR-CECRI, welcomed the esteemed guests and participants with warmth and grace, setting the tone for an engaging and enlightening day ahead.

The highlight of the inaugural session was undoubtedly the unveiling of the AcSIR Science Club, a testament to the institution's commitment to fostering scientific inquiry and innovation. With great enthusiasm, Prof. Manoj Kumar Dhar inaugurated the club, unveiling its emblem and inaugural booklet to thunderous applause. As the day progressed, attendees were treated to a series of captivating technical sessions, each focusing on a different facet of Nobel Prize-winning achievements. From the groundbreaking research in Physiology and Medicine to the transformative power of literature and peace efforts, the sessions provided a comprehensive overview of human ingenuity and achievement.

But it was not just the intellectual discussions that left a lasting impression. The interactive session with AcSIR scholars and CSIR-CECRI luminaries fostered a sense of camaraderie and collaboration, igniting sparks of inspiration and forging connections that would endure beyond the confines of the auditorium.

As the sun began to set on this memorable day, a sense of fulfillment and optimism lingered in the air. The Nobel Day Celebration had not only served as a platform for intellectual exchange but also as a reminder of the boundless potential that lies within each of us to make a difference in the world. As participants departed, their hearts and minds enriched by the day's experiences, they carried with them a renewed sense of purpose and a commitment to the pursuit of excellence in all its forms

■ In the hallowed halls of CSIR-CECRI, intellects converged for a symphony of knowledge and inspiration at the Nobel Day Celebrations. The day commenced with a riveting keynote by Prof. Manoj Kumar Dhar, Director of AcSIR, New Delhi, who delved into the groundbreaking research of Katalin Kariko and Drew Weissman on mRNA vaccines against COVID-19. Prof. Dhar's impassioned discourse echoed the need for unwavering perseverance and passion in the pursuit of scientific excellence, setting the tone for a day of enlightenment.



■ As the morning progressed, attendees were treated to a diverse array of sessions, each unveiling the laureates and their profound contributions to humanity. Prof. K. Manimegalai, Director of the Department of Women's Studies at Alagappa University, took the stage to shine a light on the peace efforts of Narges Mohammadi, underscoring the indispensable role of women in education and empowerment.

■ In a literary voyage, Prof. Vinod Balakrishnan from the National Institute of Technology, Trichy, illuminated the works of literary luminary John Fosse, inviting attendees to explore the depths of human emotion and imagination. Dr. N. Lakshminarasimhan, a Senior Principal Scientist from CSIR-CECRI, traced the evolution of the term "Nano" through the discovery of quantum dots, unveiling the wonders of chemistry's Nobel realm.



■ Continuing the intellectual odyssey, Prof. Shalini Velappan from the Indian Institute of Management, Trichy, delved into the significance of women's labor market outcomes, paying tribute to the groundbreaking achievements of Claudia Goldin. Dr. V. Saranyan, a Senior Scientist from CSIR-CECRI, then captivated the audience with his exploration of attosecond pulses of light for studying electrodynamics in matter, shedding light on the mysteries of the universe.

■ As the day drew to a close, Dr. S. Angappan wrapped up the technical sessions, distilling the essence of the Nobel Day Celebrations into key takeaways. The event not only aimed to raise awareness about the Nobel Prize but also fostered collaboration and social bonding among scholars through the establishment of the AcSIR Science Club. The interactive session that followed served as a testament to the camaraderie and shared passion for scientific inquiry, as attendees gathered for a group photograph, symbolizing unity in the pursuit of knowledge and innovation.

■ Mr. K. Gurunathan, AcSIR Research Scholar, was awarded with prize for his winning design in the logo competition organized among the AcSIR research scholars for the AcSIR Science Club.

Science club

President: **Murugasenapathi N K** | Vice-President: **Nagalakshmi G** | Secretary: Nandigana Pardhasaradhi | Treasurer: **Rajalekshmi S** | Advisory committee members: **Bebin A, Mymoona P** | Event Managers: **Ragunath M, Muthukrishnan A** | Webmasters: **Gowsalya L, Siva Ananth M** | Executive members: **Jyothi Mol, Sambath Kumar P, Muthaya Venu, Mergoju Srikanth, Abirami S, Hemalatha G, Murali P, Nadar Allwyn, Gurunathan K, Subramani E, Renuka V**



सीएसआईआर-केंद्रीय विद्युतरसायन अनुसंधान संस्थान
 काराकुडी-630003, तमिलनाडु, भारत
CSIR-Central Electrochemical Research Institute
 Karaikudi-630003, Tamil Nadu, India
Nobel Day Celebration - 2023
 Venue: Abdul Kalam Auditorium, CSIR-CECRI, Karaikudi
 Date: 22.12.2023 (Friday) Time: 10:00-16:30

Physiology or Medicine
 Prof. Manoj Kumar Dhar
 Director
 AcSIR, New Delhi

Peace
 Prof. K. Manimegalai
 Director
 Department of Women's Studies
 Alagappa University

Literature
 Prof. Vinod Balakrishnan
 Department of Humanities and Social Sciences
 National Institute of Technology, Trichy

Economic sciences
 Prof. Shalini Velappan
 Finance and Accounting
 Indian Institute of Management, Trichy

Chemistry
 Dr. N. Lakshminarasimhan
 Senior Principal Scientist
 CSIR-CECRI

Physics
 Dr. V. Saranyan
 Senior Scientist
 CSIR-CECRI



AcSIR @ CSIR Foundation Day

26th-27th Sep, 2023 @ Bharat Mandapam





In his speeches, Union Minister Dr. Jitendra Singh has often emphasized the importance of initiatives such as "One Week One Lab" and highlighted the significant contributions of CSIR (Council of Scientific and Industrial Research) towards scientific research and development in India.

"One Week One Lab" initiative aims to enhance the utilization of laboratory facilities across the country. By promoting this initiative, Dr. Jitendra Singh likely underscores the importance of maximizing the efficiency of research infrastructure to accelerate scientific progress and innovation.

Regarding CSIR, Dr. Jitendra Singh would likely commend its efforts in fostering scientific research, innovation, and technological development in various fields. CSIR has been instrumental in addressing national challenges and contributing to India's socio-economic growth through its scientific endeavors.

At the foundation of CSIR, Dr. Jitendra Singh would probably acknowledge the rich legacy of CSIR in advancing science and technology in India since its establishment. He might also highlight the government's commitment to supporting CSIR's mission and fostering a conducive environment for scientific research and innovation in the country.

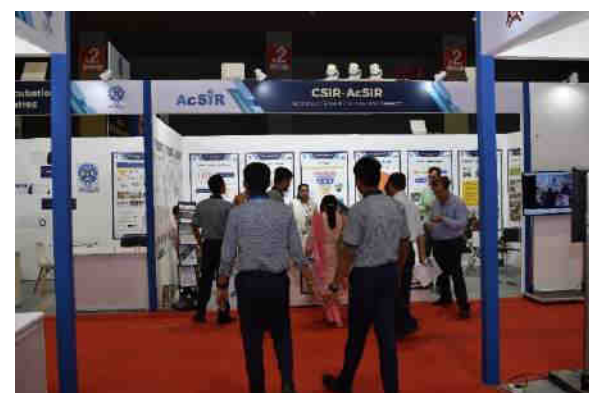
@ CSIR Foundation Day

At the CSIR Foundation Day event, the participation of the Academy of Scientific and Innovative Research (AcSIR) was likely marked by presentations and promotional activities aimed at showcasing the institute's role, opportunities, and facilities.

The presentation of AcSIR glance would provide an overview of the institute's objectives, structure, academic programs, and research areas. This would serve to familiarize the audience with AcSIR's mission and vision, highlighting its significance in nurturing talent and fostering research excellence in India.

In addition to the presentation, AcSIR representatives might have engaged with attendees by distributing brochures and flyers. These materials would contain detailed information about the various academic programs offered by AcSIR, admission procedures, faculty profiles, research facilities, and other relevant information. By disseminating such materials, AcSIR aimed to raise awareness among the attendees about the educational and research opportunities available at the institute.

Overall, AcSIR's participation at the CSIR Foundation Day event would have been geared towards promoting its role as a premier research and educational institution, attracting potential students, researchers, and collaborators, and fostering collaboration and synergy within the broader scientific community.





Director's Visits

Prof. Manoj K. Dhar, Director, AcSIR

CSIR-CIMFR, Dhanbad (22-23 Aug, 2023)

- Attended Young Researcher's Conclave organized by CSIR-CIMFR, Dhanbad on August 23, 2023 under the "One Week One Lab" campaign at CSIR.
- Interacted with the students and faculty members
- Spoke on "Producing NextGen CSIR scientists"



CSIR-IMMT, Bhubaneshwar (15-16 Sep, 2023)

- Inaugurated AcSIR new office space
- Research Scholar's Conclave
- Interacted with the students and faculty members



CSIR-CECRI, Karaikudi (22 Dec, 2023)

- Inaugurated the Science club
- Talk on Nobel Prize in Physiology and Medicine in the groundbreaking research of Katalin Kariko and Drew Weissman on mRNA vaccines against COVID-19. He emphasized the need of perseverance and passion towards the scientific goal.



CSIR-CFTRI, Mysuru (28 Dec, 2023)

- Foundation Day lecture 2023 of the Indian Botanical Society is accorded to Prof. Manoj K. Dhar, Director, AcSIR during the felicitation function and the lecture delivered at the CSIR- CFTRI.
- Interacted with the students and faculty members



Visitors to AcSIR Headquarters

The Directors of Seven CSIR Laboratories visited AcSIR

These included Dr. Ramanuj Narayan, CSIR-IMMT, Bhubaneswar, Dr. Naresh Chandra Murmu, CSIR-CMERI, Durgapur, Dr. Souvik Maiti, CSIR-IGIB, Delhi, Dr. Sudesh Kumar Yadav, CSIR-IHBT, Palampur, Dr. Zabeer Ahmed, CSIR-IIIM, Jammu, Dr. Abhay A Pashilkar, CSIR-NAL, Bengaluru, Dr. Ajit Kumar Shasany, CSIR-NBRI, Lucknow, visited AcSIR, Headquarters at Ghaziabad.

Prof. Manoj K. Dhar, Director, AcSIR felicitated all the above newly appointed Directors of respective CSIR Laboratories on being recognized as "Outstanding Professors" by the AcSIR. This was followed by an interaction session wherein after formal welcome Director, AcSIR informed them about the new initiatives of AcSIR including launching of a new industry driven Ph.D. programme. He congratulated them for the stupendous achievement of AcSIR in getting 12th rank in NIRF. He sought active cooperation of the Directors in taking AcSIR towards higher levels of excellence. The Directors of the Laboratories assured Director, AcSIR of their continued support and made some valuable suggestions.





Dr. Naresh Chandra Murmu, CSIR-CMERI



Dr. Zabeer Ahmed, CSIR-IIIM, Jammu



Dr. Ramanuj Narayan, CSIR-IMMT



Dr. Ajit Kumar Shasany, CSIR-NBRI



Dr. Souvik Maiti, CSIR-IGIB, Delhi



Dr. Sudesh Kumar Yadav, CSIR-IHBT



Dr. Abhay A Pashilkar, CSIR-NAL

Dr. C. Anandharamakrishnan,
Director CSIR-NIIST, Thiruvananthapuram,

Visited AcSIR, Headquarters, Ghaziabad and had discussion with Prof. Manoj K. Dhar, Director AcSIR. While congratulating Prof Dhar for 12th rank in NIRF, Dr. Anandha extended full support for taking AcSIR to new heights. Prof Dhar suggested to enhance the visibility of AcSIR as it is currently the largest academic institution for doctoral research in India with more than 6000 Ph.D. students. It was also discussed that some new programmes and other academic activities shall be initiated by the AcSIR. Prof. Dhar mentioned about various recent initiatives which AcSIR has taken for the benefit of AcSIR students



Prof. Samir K. Brahmachari
Visit at AcSIR Headquarters (Aug 11,2023)

Prof. Manoj K. Dhar, Director welcomed Prof. Samir K. Brahmachari, Former DG, CSIR and Former Vice Chairman, AcSIR. Prof. Samir said "It feels very enthusiastic and happy to see the growth of AcSIR in Research and excellence and hope it should continue the process to meet the requirements for the development of Nation with the youngster ideas" and He also met the team at AcSIR congratulated them for their efforts in the growth of AcSIR.



Invited Lectures

Prof. R. R. Sonde



AcSIR organizes Invited Lecture by **Prof. R. R. Sonde**, presently a Professor at IIT Delhi. Formerly Executive Vice President, CTO and Member on Board of Executive Council, Thermax Ltd. (2008-2020), Outstanding Scientist Atomic Energy Commission India (1979-2020) & Executive Director - NTPC Ltd 2002-2008. In a captivating, thought provoking and inspiring lecture, Prof Sonde addressed an audience of freshly joined ~1200 AcSIR Ph.D. research students of January 2023 and August 2023 sessions on August 18, 2023. Highlighting his personal experiences, Prof. Sonde outlined the importance of innovation and collaboration for India's growth. He stressed on academic excellence, interdisciplinary skills, and the

role of PhDs in shaping a knowledge-based economy. He outlined five success mantras; embrace speed and smart experiment design, accept failures but move forward swiftly, prioritize creating intellectual property (IP) and combining research with personal life & infusing spirituality into work. He also shared vital characteristics of a successful research student viz. importance of integrity, propriety in dealing, emotional intelligence, balance research and personal life, and bring clarity to thoughts. Prof. Manoj K. Dhar, Director, AcSIR welcomed new scholars to a journey of intellectual exploration and discussed the significance of education in achieving world peace and societal progress. He emphasized that India's young population is an asset and the energy of youth needs to be channelised in the right direction. He pointed out that education is key to transforming our country. He highlighted that National Education Policy 2020 (NEP) emphasises on principles of access, equity, quality, affordability, and accountability, aiming to make India a global knowledge superpower. He reiterated AcSIR's commitment to innovation, sustainability, and contribution towards Atmanirbhar Bharat and encouraged the students to embrace Indian culture's ethos and concept of unity and contribute positively to society. He also mentioned about unique, industry driven PhD program which AcSIR is launching shortly. Prof. Ajay Dhar, Associate Director, welcomed the students and briefed about the opportunities and facilities available in AcSIR. Ms. Arpita Sengupta, Senior Manager, AcSIR briefed new scholars about academic timelines, responsibilities, and flexibilities, urging students to adhere to proper channels for communication and grievance redressal.

CSIR and AcSIR International Collaboration

"Ceremonial exchange of CSIR-DAAD Agreement of Cooperation as also for exploring collaboration discussions with AcSIR - 13/10/2023"



Awards & Achievements of AcSIR Scholars



SHUBHAM CHAUDHARY

Enroll. No. 10PP20A01005, Supervisor: Dr. Anindya Pain and Dr. Shantanu, CSIR CBRI Roorkee, **Won the SERB Overseas Visiting Doctoral Fellowship** to do research in Earth and Atmospheric Science Department, University of Alberta, Edmonton, Canada. For the duration of 12 months.



PRIYANAKA PANT

Enroll. No. 10BB19J03023, Supervisor Dr. Regalla Kumaraswamy, CSIR-CCMB, **Won the Early Career Scientist Grant** by Hello Bio.



P SAI POOJITHA

Enrollment No. 10BB20A03007, Supervisor Dr. Krishnan H Harshan, CSIR-CCMB, **Won Best poster award** in the 7th Molecular Virology Meeting, IISc, Bengaluru.



ABHISHEK GOPAL

Enroll. No. 10BB20A03028 Supervisor Dr. Jahnavi Joshi CSIR-CCMB, **Won New Phytologist Best presentation** prize ATBC conference, Coimbatore.



AJAY SARAWAGI

Enroll. No. 10BB19A03001 Supervisor Dr. Anant B Patel, CSIR-CCMB, **DST-SERB grant 2023 ISMRM-ISMRT** Annual meeting exhibition at Metro Toronto convention (MTCC), Canada.



SURAJ KUMAR MEHER

Enrollment No. 10BB19A03002 Supervisor Dr. Manjula Reddy, CSIR-CCMB, **EMBO workshop on "The Dynamics of Peptidoglycan Structure and Function: New insights into in Vila Gale Sintra, Portugal.**



BEDABALLI DEY

Enrollment No. 10BB19J03018, Supervisor: Dr. Arvind Kumar, CSIR-CCMB, **DST-SERB travel grant IBRO 2023 Congress, SPAIN**



JUSTUS FRANCIS

Enrollment No. 10BB20A03032, Supervisor Dr. Saikat Chowdhury, CSIR-CCMB, **Won Best Oral Presentation award** at the 4th Biomedical Research Competition, Dec 2023



WASHIMKAR KAVERI RAJARAM

Enrollment No. 10BB20J04017, Supervisor Name: Dr. Madhav N. Mugale, CSIR-CDRI, Got the **Best Poster Presentation Award** in Life Sciences category from SYBS conducted at ESIC Medical College and Hospital, Rajasthan in December 09–10, 2023.



ANUSHKA RASTOGI

Enrollment No. 10CC21J04002, Supervisor: Dr. Dipankar Koley, CSIR-CDRI, Received the **Best Poster Award** during XVIII J-NOST Conference 2023 held at IISER Pune in October 10–12, 2023.



SHIVANI CHOUDHARY

Enrollment No. 10CC20J04058, Supervisor: Dr. Nayan Ghosh, CSIR-CDRI, Received **Dalton Transactions Poster Prize** at the Indo-French Seminar on Catalysis for Sustainability at IISER Thiruvananthapuram in December 10 – 13, 2023.



RACHANA MEENA

Enrollment No. 10CC18A04039, Supervisor: Dr. Damodara Reddy N, CSIR-CDRI, Received the **Best Oral/Poster Presentation Award** in the conference on Drug Development & Drug Delivery: An International Conference, CD4-2023 held at University of Lucknow in November 21 – 22, 2023.



NEHA AGARWAL

Enrollment No. 10BB21J04003, Supervisor: Dr. Prabhat Ranjan Mishra, CSIR-CDRI, Received the **Best Poster Award** in the Manipal Pharmaceutics Conference (MPCON) 2023 organized by Manipal College of Pharmaceutical Sciences in September 28 – 30, 2023.



BHARATHI MOHAN V

Enrollment No. 10CC22A05002, Supervisor Dr. M. Sathish, CSIR – CECRI, Won the **Best Oral Presentation** in the Two-Day National Conference on New and Renewable Energy Resources for Sustainable Future at Yogi Vemana University, Vemanapuram held between 7-8th December, 2023. Won the **Best Poster Presentation award** in the Twenty-third National Convention of Electrochemists (NCE-23) held at SRM Institute of Science & Technology, Kattankulathur, Chennai.



ANJALI SUNNY

Enrollment No. 10PP22A05001, Supervisor Dr. A. Pandikumar, CSIR – CECRI, Won the **Best Oral Presentation award** in the National Conference on New and Renewable Energy Resources for Sustainable Future held at Yogi Vemana University.



RAJALEKSHMI S

Enrollment No. 10CC22A05004, Supervisor Dr. A. Pandikumar, CSIR – CECRI, Won the **Best Oral Presentation award** in the National Conference on New and Renewable Energy Resources for Sustainable Future held at Yogi Vemana University.



HARI PRASAAD S

Enrollment No. 10CC23J05004, Supervisor Dr. S. M. Senthil Kumar, CSIR – CECRI, Won the **Best Oral Presentation** in the Indian Conference on Carbon Materials (ICCM-2023) held during 20th November – 2nd December, 2023 at Mumbai at Yogi Vemana University, Vemanapuram held between 7-8th December, 2023.

VARSHINI V

Enrollment No. 10CC24J05016, Supervisor Dr. P. Ragupathy, CSIR – CECRI, Won the third prize in **Paper Presentation** in the 20th National Conference on Corrosion Control (NCCI) held at Jenneys Residency, Coimbatore, held during 7-9th, December 2023.



**PANDEY GAURAV RAJKUMAR**

Enrollment No. 10BB20A05002, Supervisor Dr. V. Murugan, CSIR – CECRI, Oral Presentation in the 33rd Anniversary World Congress on BIOSENSORS-2023 organized by Elsevier held between 5-8th June 2023 in Busan, South Korea. **Deputed to RMIT University**, Melbourne for the Joint AcSIR-RMIT PhD Program.

**ARDRA S DARSAN**

Enrollment No. 10PP21A05006, Supervisor Dr. P. Murugan, Co-Supervisor Name: Dr. A. Pandikumar, Academic Centre: CSIR – CECRI, Won the **Best Poster Presentation** award in Three-day International Workshop / Summer School & Course Preparation on "Solar Water Splitting and Artificial Photosynthesis (SWAP)" held at Madurai Kamaraj University, Madurai, Tamil Nadu.

**MAHENDIRAN D**

Enrollment No. 10PP19A05018, Supervisor Dr. P. Murugan, CSIR – CECRI

ESOKKIYA A

Enrollment No. 10CC19A05006, Supervisor Dr. K. Giribabu, CSIR – CECRI, Both the above Scholars **deputed to RMIT University**, Melbourne for the Joint AcSIR-RMIT PhD Program.

**VINITA**

Enrollment No. 20EE19A06006, Supervisor Name: Dr. Jitendra Singh, CSIR – CEERI, Won the **Best Poster Award** from International conference ICAMNOP-2023 organized by Department of Applied Physics, DTU, Delhi, India in December-2023

**SHUVAM GUPTA**

Enrollment No. 20EE23J06005, Supervisor Name: Dr. Ravindra Mukhiya, CSIR – CEERI, Won the **Best Paper Award** in the Research Scholar category at the International Conference on Ultrasonics and Materials Science for Advanced Technology (ICUMSAT) organized by B.U., Jhansi, India in Nov 2023.

**MONIKA BINWAL**

Enrollment No. 10BB21J10010, Supervisor Dr. D.U. Bawankule, CSIR – CIMAP, **Won the Young scientist best poster presentation award** in international science congress December 2023.

**AMRIT RAJ PAUL**

Enrollment no.: 20EE20J12012, Supervisor at AcSIR: Dr. Manidipto Mukherjee & Dr. Dilpreet Singh, at RMIT: Dr. Dong Qiu & Dr. Maceij Mazur, Academic center: CSIR-CMERI, **AcSIR-RMIT Joint Degree Award.**, Abroad Visit: RMIT University, Melbourne, Australia.

**ANIRBAN CHANGDER**

Enrollment no.: 20EE20J12001, Supervisor at AcSIR: Dr. Shitanshu Shekhar Chakraborty & Dr. Samik Dutta, at RMIT: Dr. Yuncang Li & Dr. Cuie Wen., CSIR-CMERI, **AcSIR-RMIT Joint Degree Award.** Abroad Visit: RMIT University, Melbourne, Australia.

**MOUMITA MONDAL**

CSIR-CMERI, Won the **Best Oral Presentation** on "Contemporary ideas, innovations & initiatives in Chemical Sciences" at Presidency University, Kolkata, India, August 23-24, 2023.

**SAGNIK CHOUDHURY**

Enrolment Number: 20EE20A12022, CSIR-CMERI, **participated in a collaborative project** that was jointly funded by the Technology Innovation Hub of DST, Govt. of India, and NSF, USA. We represented the Innovation Hub Foundation for Cobotics at IIT Delhi and collaborated with a PI at Purdue University,



SHALINI SINGH

Enrollment No. 20EE18A15013, Supervisor Dr Umesh K. Tiwari, CSIR-CSIO, Selected among **the top 50 young international scientists** for the 14th Research Opportunities Week (ROW) at TUM with a fully-funded visit to Technical University Munich, Germany. October 7- October 14th 2023.



GURJEET KAUR

Enrollment No. 10PC21J15001, Supervisor: Dr. Manoj K. Nayak, Co-Supervisor: Dr. Akash Deep, CSIR – CSIO, Rising Star in Nanoscience & Nanotechnology”: The **Best Presentation Award** for oral presentation in IEEE International Conference on “Nanomaterials: Applications and Properties (IEEE-NAP 2023).



DHARA FATNANI

Enrollment No. 10BB19A16020, Supervisor Dr. Asish Kumar Parida, CSIR – CSMCRI, **Won the Best Oral Presentation Award** from RSC conducted in December 2023.



AJIJUR RAHMAN

Enrollment No. 10CC19J16007, Supervisor Dr. Sukalyan Bhadra, CSIR – CSMCRI, **JSPS Post-Doctoral Fellowship** (Standard), FY 2024



MANAS BARIK

Enrollment No. 10CC20J16017, Supervisor Name: Dr. P. S. Subramanian, Co-supervisor Name: Dr. Saravanan S, CSIR–CSMCRI, **Won the Best ACS BEST ORAL PRESENTATION AWARD** in Gujarat Research Scholars’ Connect 2023 held on 7-8 December 2023 at CSIR-CSMCRI Bhavnagar.



PARUL RATHOUR

Enrollment No. 10CC22J16003, Supervisor Dr. Saravanan S, CSIR-CSMCRI, Won the **RSC BEST POSTER PRESENTATION AWARD** in Gujarat Research Scholars’ Connect 2023 held on 7-8 December 2023 at CSIR-CSMCRI Bhavnagar.



KRUPALI VYAS

Enrollment No.: 10BB20A16010, Supervisor Dr. Aneesa Singh, CSIR-CSMCRI, **Won the best poster award** in 3rd international scientific conference on Environmental Research: Issues, Challenges and Strategies for sustainable development and livelihood security in December 2023.



SACHIN GAJANAN RATHOD

Enrollment No. 10BB19A16021, Supervisor Dr. Vaibhav A. Mantri, CSIR – CSMCRI, **Won the Best Poster Presentation Award** in “National Conference on Water and Environment: Challenges and Opportunities for Sustainable Development (NCWE’2023)” held on 18th to 20th Dec 2023. Organized by Gujarat Institute of Desert Ecology, Bhuj, Kachchh, Gujarat at National Forensic Sciences University, Gandhinagar.



RAJIT MULLICK

Enrollment No. 10BB20A65059, Supervisor Name: Dr. Richa Singhal, ICMR-NIMR, Attended the **JOINT INTERNATIONAL TROPICAL MEDICINE MEETING(JITMM),2023**, Bangkok, Thailand.



NASEEM AHMED

Enrollment No. 10BB22J65010, Supervisor Dr. Praveen Kumar Bharti, ICMR-NIMR, **International visit to Bangkok**, Thailand to attend the External Competency Assessment of Malaria Microscopists (ECAMM) Facilitators Training Course from 27 November to 01 December 2023. **Won the certificate of Resource Person (Trainer)** for conducting the Induction and Bio-Safety Training organized by IVD Testing Lab, ICMR- NIMR from 04-06 October 2023.



RISHU SHARMA

Enrollment number: 10BB2021J65016, Supervisor: Dr. Mradul Mohan, ICMR -NIMR, Won the **First prize in poster presentation** in some international conference 2023, Calicut university.



SHANTANU KHATRI

Enrollment No: 10BB20J02007, Supervisor name: Dr Lipi Thukral, CSIR-IGIB, Attended EMBO Workshop on Computational Structural Biology at EMBL, Heidelberg, Germany from December 6-9 2023. Selected for **Poster presentation**. Presented the poster titled: "AI-based AlphaFold2 significantly expands the structural space of the autophagy pathway" from my recent publication.



MUNEESH PAL

Enrollment No: 10BB18A02021, supervisor: Dr. Beena Pillai at CSIR-IGIB, **won a cash prize** of 1,000 Euros grant to attend the EMBO Practical Course "FISHing for RNAs: classical to single molecule approaches" at EMBL, Heidelberg, Germany, from October 22-27, 2023. Presented a poster at the FENS Regional Meeting in Algarve, Portugal, from May 3-5, 2023, and received a **travel award** from SERB for attending the meeting.



PRIYA GAGANSINGH THAKUR

Enrollment No: 10BB18A02007, CSIR-IGIB, **Fulbright Nehru Doctoral Research Fellowship**, Duration of the award: September 2022 – June 2023 (9 months), Host institute: School of Medicine, Johns Hopkins University, Won the **Best Paper Award** from Organizers, (Indian Academy of Neurosciences-2023) Poster Presented at IAN 2023 Gwalior



AASTHA VATSYAYAN

Enrollment Number: 10BB20J02014, Supervisor: Dr. Vinod Scaria, CSIR-IGIB, Won the **Best poster prize** at Conference: 3rd Indian Cancer Congress 2023, Mumbai, Conference held from 2-5 November 2023.



PRITI DEVI

Enrollment no. - 10BB20A02025, Supervisor- Dr. Rajesh Pandey, CSIR-IGIB, Country visit- Vietnam (11/12/2023 to 14-12-2023) Attended the MDMD, 2023 conference at Vietnam from December 11-14, 2023 sponsored by the host. Selected to deliver an oral presentation and honored with the Best Oral Presentation at the MDMD, 2023 conference."



KRITI KESTUR BILIGIRI

Enrollment No.: 10BB20A02017, Supervisor: Dr. Shravanti Rampalli, CSIR-IGIB, visited Germany (28-09-2023 to 30-09-2023) **Poster, presented at the 'EMBO Epigenetics and Condensates' conference**. Attended the EMBO workshop on Epigenetics and Condensates in Lineage Decisions from September 28-30, 2023 at Dresden, Germany. Won the cash prize of travel grant of 1000 Euro.



SAMAN FATIHI

Enrollment No. 10BB20J02010, Supervisor Dr. Lipi Thukral, CSIR-IGIB, presented Poster at the international workshop titled AI for Protein Design held in Chile, Latin America (11/10/2023 to 13/10/2023) and awarded the **PABMB Travel Award**.



PRIYANKA BHARDWAJ

Enrollment No. 10BB19A33014, Supervisor: Dr. Shiv Shanker Pandey, Co-Supervisor: Dr. Sanjay Kumar, CSIR-IHBT, Palampur, Won the **Best poster presentation award** at "National conference of Plant Physiology-2023" (NCP-2023) which was organized by The Indian Society for Plant Physiology (ISSP) at ICAR-Indian Agricultural Research Institute, New Delhi in December 2023.



SURBHI SHARMA

Enrollment No. 10BB23J33021, Supervisor Name: Dr. Rakesh Kumar, CSIR – IHBT, Won the **Best Poster Award** in XXII National Symposium on "Climate Smart Agronomy for Resilient Production Systems and Livelihood Security" held on November 22-24, 2023, in Goa.



PARVEEN KUMAR

Enrolment No. 10BB18A37019, Supervisor Dr. Sreedhar Madishetti, CSIR – Indian Institute of Integrative Medicine, Jammu. Got the **Best Poster Presentation Award** in the 3rd international conference on innovative research in Sciences, Technology, Agriculture, environment, Business Management, and Humanities (STAEMB-2023). Organized by: NIT Srinagar and Krishi Sanskriti New Delhi at NIT Srinagar, Jammu, and Kashmir on 13th-14th May 2023.



NOREIN SAKANDER

Enrollment No. 10CC21J37005, Supervisor Name: Dr. Qazi Naveed Ahmed/ Dr. Debaraj Mukherjee, CSIR – IIM, Jammu, Got the **Best Poster Presentation Award** from Indian Chemical Society at 60th ACC 2023, at IIT Delhi in December 2023. (International Conference)



VIJAY KUMAR

Enrollment No. 10CC23J37003, Supervisor: Dr. Parvinder Pal Singh, CSIR-IIM, **Won Best Poster Award** in J-NOST-2023 and Thieme Organic Chemistry Symposium 2023



YAMINI MITTAL

Enrollment No. 20EE17A36010, Supervisor Dr. Asheesk K. Yadav, Academic Centre: CSIR-Institute of Minerals & Materials Technology. Being awarded with **IGSTC Industrial Fellowship** 2023.



B SHEETAL PRIYADARSHINI

Enrolment No. 10PP21A36016, Supervisor Dr. Manju Unnikrishnan, CSIR-IMMT, Winner of the **Best Poster Award** in the International Conference on “Emerging Materials 2023” for the poster entitled “Probing the Maxwell-Wagner-Sillars Dynamics to Optimize Piezoelectric Response in Ultrasensitive PVDF-HFP/TiO₂ Nanogenerator” organized by IISER-Pune.



NAVDEEP SINGH

Enrollment No. 20EE22A36001, Supervisor Dr. Anil Kumar Chaubey & Dr. Sankarsan Padhy (Scientist-‘F’, PXE, DRDO), CSIR-IMMT, **Research paper** entitled “Performance Evaluation of Microwave Absorbing Materials through Radar Cross Section Simulation” with joint authorship of Navdeep Singh^{1,2,3}, Sankarsan Padhy¹ and Anil Kumar Chaubey^{2,3} was presented in oral presentation at IEEE International Conference on Electrical, Electronics, Communication and Computers (ELEXCOM’23) held at IIT Roorkee, Uttarakhand on 26-27 August, 2023 and **selected for publication**.



N USHA KIRAN

Enrollment No. 10CC19A36032, Supervisor Name: Dr. Laxmidhar Besra, CSIR-IMMT, a **startup incubated** at CSIR-IMMT Bhubaneswar, aims to capitalize on the immense possibilities presented by Advanced Functional Materials (2D MXenes, Graphene). Start-up Name: Reseapro Labs Private Limited,



NAVIN KUMAR

Enrollment No. 32EE19A36004, Supervisor Dr. Ajit Panigrahi, Academic Centre: CSIR-Institute of Minerals & Materials Technology, **Best Poster Award**, 77th IIM-ATM (22nd - 24th November, 2023).



DHIMAN KALITA

Enrolment No. 32EE19A36002, Supervisor Dr. Manju Unnikrishnan, Academic Centre: CSIR-Institute of Minerals & Materials Technology, **Best Poster Presentation Award** in 4th International Conference on Emerging Materials in Applied Chemistry (ESMAC-2023) & Interdisciplinary Science for Sustainability as a part of the Diamond Jubilee Celebration of Indian Photobiological Society. **Selected as Cover Page article** in ACS- Journal of Physical Chemistry C for our publication “Elucidating Phase Transitions and the Genesis of Broadband Emission in MA_{1-x}FA_xPbBr₃ Perovskites”, Volume 127, Issue 51, DOI: [10.1021/acs.jpcc.3c05705](https://doi.org/10.1021/acs.jpcc.3c05705)



BINEETH BARAL

Enrollment No. 10BB17A36005, Supervisor Dr. Umakanta Subudhi, CSIR-IMMT, **Best Oral presentation award** in 3rd International conference on Nanomaterials in Biology at IIT Gandhinagar.



KRISHNA KUMAR UPADHAYAY

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



VINAY YADAV

Enrollment No. 10BB19A20026, Supervisor Dr. Nithya Vadakedath. CSIR – IMTECH, Won the **Best Oral Presentation Award** from "Microbes for LiFE-Lifestyle for the Environment: A strategy for well being" conducted by AMI in December 2023. International Travel grant from SERB for flash and poster presentation at international conference CEST-2023, Athens, Greece.



PRIYANKA

Enrollment No. 10BB18A20017, Dr. Neeraj Khatri, CSIR – IMTECH, Won the **Best Poster Presentation Award** in ICSSC- 2023, held at AIIMS on 20-22 December 2023.



SHIMONA

Enrollment No. 10BB20J20014, Supervisor Dr. Alka Rao, Academic Centre: CSIR – IMTECH, Won the **Best Poster Award** from PSI (Proteomics Society of India)-Springer Nature in November 2023 with a springer gift voucher for the value of Euro 200 at "15th Annual Meeting of Proteomics Society, India along with the International Conference on "Integrated Proteomics: Applications in Food, Nutrition, and Health, organized by National Institute of Plant Genome Research (NIPGR), New Delhi from 20th November to 22nd November 2023. Various position in AcSIR CSIR-CSIO Ardour-2023 (4-day inter college sports cum cultural event) **2nd position in 100m, 400m and relay race, 3rd position in 200m race, 1st in 3 leg race, Winner of cricket, Runner up in Kabaddi Match, Bronze in single's women badminton.**



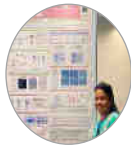
NANDITA SRIVASTAVA

Enrollment No. 10BB19A20022, Supervisor Dr. Anirban Roy Choudhury, CSIR – IMTECH, **Poster presentation in 8th EPNOE International Polysaccharides Conference** from 18th to 22nd September, 2023 at Graz University of Technology, Austria.



NISHTHA CHANDAL

Enrollment no.: 10BB18A20011, Supervisor Dr. Hemraj Nandanwar, Chief Scientist, Clinical Microbiology & Research Laboratory, CSIR- IMTECH, Chandigarh, Won the **best presentation award** in 4th Science Conclave Cum NBRCOM 2023 at Alwar, Rajasthan, India, held on 9- 10 November 2023. Won the **best poster presentation** award and Flash presentation on the occasion of the 40th foundation day of CSIR- Institute of Microbial Technology, Chandigarh, India during the conference on "Sustainable microbial technology for biomolecule production" held on 18 January 2024.



BHAWANA GUPTA

Enrollment No. 10BB1825001, Supervisor Dr. P. K. Singh, CSIR – NBRI, Won the Certificate of **Best poster presentation** (2nd prize) in conference IBBACI, 2023 conducted on Oct 30th to Nov 1st, 2023.



PASHUPATI NATH SHUKLA

Enrollment No. 10BB19J25002, Supervisor Dr. Ch. V. Rao, Co-supervisor Dr. Poonam C. Singh, CSIR – NBRI, Won the **Best Poster Award** from Association of Microbiologists in India (AMI), Jhansi conducted in Dec 2023.



IMTIYAZ AHMAD HURRAH

Enrollment No. 10BB19J25031, Supervisor Dr. Vijay V. Wagh, CSIR-NBRI, Won the **best poster presentation award** at XLVI All India Botanical Conference of The Indian Botanical Society and International symposium on synergy in plant science and sustainable future organized by Department of

Botany, Sant Gadge Baba Amravati University, Amravati, Maharashtra, held during November 4-6, 2023.



VIVEK KRISHNAN

Enrollment No. 10PP19A28011, Supervisor Name: Dr. P Senthil Kumar, CSIR – NGRI, Won the **LPI Career Development award** at 54th Lunar and Planetary Science Conference held at Houston, Texas, US on Tuesday, March 14, 2023



GEORGE BISWAS

Enrollment No. 10PP21A28002, Supervisor Dr. Tanvi Arora and Prof Shakeel Ahmed, CSIR-NGRI, **International recognition for trainer for Science Research** workshop Module by Dhaka University Research Society, Dhaka, Bangladesh



SIDAGAM ESWARA RAO

Enrollment No: 10PP21J28027, Supervisor Dr. Labani Ray, Academic Centre: CSIR NGRI Won **heat flow fellowship** as a Guest Scientist, International Heat Flow Commission (IHFC) From July to October 2023 at GFZ, Germany\



MORE SHEKHAR VILAS

Enrollment No. 10PP20J28012, Supervisor Name: Dr. Ratnakar Dhakate, CSIR – NGRI, **Poster presentation in Goldschmidt Conference** July-2023.



BIJAYANANDA DALAI

Enrollment No. 10PP18A28013, Supervisor Dr. Prakash Kumar, CSIR-NGRI, Hyderabad, Won the **ONGC-IGU Best Poster Presentation Award** from INDIAN GEOPHYSICAL UNION conducted in Nov 2023.



PALLE JYOTHSNA

Enrollment no: 10PP19A28018, Supervisor Dr. N Satyavani, CSIR-NGRI, Received ONGC-IGU **Best Oral Presentation Award-2023** (First) at the Indian Geophysical Union during 22-24 Nov 2023 held at CUSAT Kochi. Won the **Student Travel Grant award** to participate in the American Geophysical Union (AGU) 2023 held at San Francisco, USA from 11-15 December 2023.
<https://agu.secure-platform.com/a/gallery/rounds/172/details/39216>



SAQIB ZIA

Enrollment No. 10PP21J28023, Supervisor Name: Dr. Nimisha Vedanti, CSIR – NGRI, Won the **second rank** in the Carbon, Capture and Storage (CCS) hot topics suggestion for the coming decade at the SEG summer research workshop “Towards Gigatonnes CO₂ Storage – Grand Geophysical Challenge” held from 26-30 June 2022 at Stanford, CA and Virtual.

Participated as Rock Physicist and Carbon Mitigation leader of the India team in the SEG EVOLVE 2023 (Exploration & Production Program) and presented the work at SEG-AAPG’s IMAGE 2023, held from 28th

August – 1st September 2023 at Houston, Texas, US.

Presented research work on the topic entitled “Time-lapse seismic modeling in poroviscoelastic media to monitor CO₂ sequestration: An application to Sleipner CO₂ storage project, North Sea” in the SEG summer research workshop “Towards Gigatonnes CO₂ Storage – Grand Geophysical Challenge” held during 26-30 June 2022 at Stanford, CA and Virtual.

Presented research work on the topic entitled “A feasibility study to assess seismic detectability of CO₂ sequestration in Ardol Sands, Gandhar Oilfield, Cambay basin, India” in the SEG’s IMAGE 2023 Post-Convention workshop “Insights and Questions Related to CCUS and Reservoir Characterization Utility in Terms of Static Earth Model Description Based on Geophysical Methods” held on 1st September 2023 at Houston, Texas, US.

Visited UKRI - British Geological Survey, Nottingham, UK from 16th – 29th July for collaborative research between CSIR-NGRI and UKRI-BGS. The objective of the visit was to carry out a joint research study for a CO₂ sequestration case in Gandhar Oilfield, Cambay Basin, Gujarat, India.



AKHILA N S

Enrollment No. 10CC21A39006, Supervisor: Dr. E. Bhoje Gowd, CSIR-NIIST, Won the **RSC Applied Polymers Best Poster Award** at Polymer Processing Society Asia-Australia Regional Conference (PPS 2023), Trivandrum, November 29 - December 2, 2023. Won the **Springer Best Oral Presentation Award** at 17th International Conference on Polymer Science and Technology (SPSI-MACRO-2023), IIT Guwahati, December 10 - 13, 2023.



SRUTHI SURESH

Enrollment No. 10CC18A39020, Supervisor Dr. E. Bhoje Gowd, CSIR – NIIST, Won the **Springer Functional Composite Materials Best Poster Award** at Polymer Processing Society Asia-Australia Regional Conference (PPS 2023), Trivandrum, November 29 - December 2, 2023. Visit to Institute Charles Sadron (ICS), France.



JEFIN PARUKOOR THOMAS

Enrollment No. 10CC21A39005, Supervisor Dr. E. Bhoje Gowd, CSIR-NIIST, Won the **Springer Best Poster Award** at 17th International Conference on Polymer Science and Technology (SPSI-MACRO-2023), IIT Guwahati, December 10 - 13, 2023.



ASHITHA GEORGE

Enrollment No. 10PP19A39030, Supervisor Dr. E. Bhoje Gowd, CSIR-NIIST, Won the **Langmuir Best Poster Award** at 17th International Conference on Polymer Science and Technology (SPSI-MACRO-2023), IIT Guwahati, December 10 - 13, 2023.



NAVIN JACOB

Enrollment No. 10CC21A39025, Supervisor Dr. C. Vijayakumar, CSIR-NIIST, Received the **Best Poster Presentation Award** in the "Nano Fest 2023" organized by MG University, Kottayam, 9th October 2023.



NISHNA N

Enrollment No. 10CC18J39004, Supervisor Dr. Joshy Joseph, CSIR-NIIST, Received the **Best Paper Presentation Award** in National Seminar on Materials for Sustainable Future-2023 during Oct12-13, 2023.



HARIPRIYA V M

Enrollment No. 10CC21A39020, Supervisor Dr. A. Kumaran, CSIR-NIIST, Received the **Best Poster Award** in the National Seminar on Advancement of Interpretation of Mass Spectrometry and Artificial Intelligence in Pharmacy - 2023, during 27th October 2023. Received the **Best Oral Presentation Award** at One day National Seminar on Molecular Docking & Spectral Interpretation (CHEM-RAPPORT'23) held on 16th December 2023.



LEKSHMI L

Enrollment No: 10CC21A39023, Supervisor Dr. A. Ajayaghosh / Dr. Saju Pillai (Co-Supervisor), CSIR-NIIST, Won the **Best Oral Presentation award** in the International Seminar on Recent Advances in Chemical Sciences (RACS23) organized by the Department of Chemistry, BJM Govt. College, Chavara, Kollam (08/11/2023-10/11/2023).



CHANDANA R

Enrollment No: 10CC22A39001, Supervisor Dr. K. V. Radhakrishnan / Dr. Kaustabh Kumar Maithi (Co-Supervisor) CSIR-NIIST, Won the **Best Poster Presentation Award** in the National Conference on Emerging Trends in Healthcare Biotechnology: Innovations, Challenges and Future Prospects (ETHB 2023), organized by Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram and Society for Biotechnologists (India).

**ABHIRAMI B L**

Enrollment No. 10BB20J39029, Supervisor Dr. A. Kumaran, CSIR-NIIST, Received the **Best Poster Presentation Award** at the International Ayurveda Seminar (December 1-5, 2023), held during the 5th Global Ayurveda Festival (GAF 2023) in Thiruvananthapuram, Kerala.

**ANISHA MATHEW**

Enrollment No. 10CC21A39010, Supervisor: Dr. Sreejith Shankar, CSIR-NIIST, won the **RSC Best Poster Award** at the International Conference on Advanced Materials for Sustainability (ICAMS-2023), organized by School of Physical Sciences, Calicut University, during 21-23 December, 2023.

**SRUTHI S NAIR**

Enrollment No. 10CC22A39009, Supervisor: Dr. Sreejith Shankar, CSIR-NIIST, Won the **NPG Asia Materials Best Poster Award** at the International Conference on Advanced Materials for Sustainability (ICAMS-2023), organized by School of Physical Sciences, Calicut University, during 21-23 Dec, 2023.

**AVIJA A V**

Enrollment No. 10CC20A39012, Supervisor Dr. C. Vijayakumar, CSIR – NIIST, **Talk on “Zero-Dimensional Tin Halide Perovskite with Long Charge Carrier Lifetime and Anisotropic Photoconductivity for Selective Deep-UV Photodetection”** at the Institute Seminar Series on 14.12.2023. Publication: Zero-Dimensional Tin Halide Perovskite with Long Charge Carrier Lifetime and Anisotropic Photoconductivity for Selective Deep-UV Photodetection (IF: 19.92).

**ANKUR SHARMA**

Enrollment No. 10PP21A29016, Supervisor Dr. Jagadish Patil, CSIR-NIO, Won the **Best Poster Presentation award** (sub-theme: Biodiversity and Ecology) in the 8th National Conference of Ocean Society of India OSICON-23, held at INCOIS, Hyderabad from August 23rd to 25th, 2023. The award was in recognition of his paper titled "Distribution of Diatoms in the Deep Indian Ocean," authored by Sharma A, Aparna Mol T A, P. Paul, Damare SR, and JS Patil.

**RANJANA YADAV**

Enrollment No. 10PP19A29002, Supervisor Dr. Mandar Nanajkar, CSIR-NIO, **Attended 6th World Conference on Marine Biodiversity Marine Biodiversity** challenges in the Anthropocene at Penang, Malaysia from 2-5th July 2023 on title: - Population dynamics of Cerithiid gastropods (*Pirenella cingulata*) on mudflat and their trematode parasites.

**GARIMA SHUKLA**

Enrollment No. 10PP19A29022, Supervisor Dr. Ashwini Kumar, CSIR-NIO, **Attended SOLAS Summer School** which took place in Cape Verde from 5-16 June 2023.

**HARSHBARDHAN KUMAR**

Enrollment No. 10PP20A29001, Supervisor Dr. Shani Tiwari, CSIR-NIO, **Attended SOLAS Summer School** which took place in Cape Verde from 5-16 June 2023.

SAIF ALI KHAN

Enrollment No. 10PP21A29005, Supervisor Dr. Jenson Jacob, **presented poster** Title: "Comparing shipborne echosounding data with global bathymetry grids, and tracing the surface channels in the Bay of Bengal" at OSICON-23 hosted by Indian National Centre for Ocean information science (INCOIS), Hyderabad from August 23-25, 2023.

**SHYAML KUMARI SINGH**

Enrollment No. 10PP22A29019, Supervisor Dr. Shani Tiwari, CSIR – NIO, Won the **First Prize for the poster presentation** at Samudra Manthan 23 held at CSIR- National Institute of Oceanography, Goa on 28-30th September 2023.



NEMAI CHANDRA GORAIN

Enrollment No. 20EE15A31004, Supervisor Dr. B Ravi Kumar, CSIR – NML, Awarded the **best oral presentation** in the 'Indian Institute of Metals– Annual technical meeting 2023'.



KIRAN

Enrollment No. 10PP20A32023, Supervisor Dr. N Vijayan, CSIR – NPL, Got the **Best Poster Award** from XXV NSCGA-2023 conducted during 21st -23rd June 2023.



SUBHASHREE SATAPATHY

Enrollment No. 10PP18A32042, Supervisor Dr. K. K. Maurya, CSIR – NPL, **Contributory Talk at 26th Congress and General Assembly** of the International Union of Crystallography (IUCr 2023), held at Melbourne Exhibition and Convention Centre, Melbourne-Australia from 22nd August- 29th August 2023.



PUKHRAJ

Enrollment No. 10PP21A32018, Supervisor Dr. Govind Gupta, CSIR – NPL, New Delhi, Singapore Visits of Student funded by SERB, To Attend-11TH INTERNATIONAL CONFERENCE ON MATERIALS FOR ADVANCED TECHNOLOGIES 26 - 30 JUNE 2023, SINGAPORE, Event Details International Conference on Materials for Advanced Technologies (ICMAT) 2023(25 June, 2023 to 30 June, 2023) Prof. B.V.R. Chowdari, Conference Chair, ICMAT 2023, SUNTEC Singapore (Singapore).



AMAN KUMAR KESARI

(20EE22A18001) student of Dr. Vineet Aniya, CSIR-IICT has been awarded "**Indian Institute of Chemical Engineers (IChE)-Ambuja's Young Researchers Award**" for the year 2023.



Y RANJITH KUMAR

(20EE20A18006), student of Dr. M. Vasundhara got **best poster presentation award** in the International Conference on Magnetic Materials And Applications (ICMAGMA-2023) held during 4th to 6th December 2023 at Hyderabad, INDIA.

HARISHANKAR KOPPERI

(10CC21J18016) student of Dr. S. Venkata Mohan, received the **Best Paper Award-2023** for the presented paper entitled "One-Pot Chemo-bio upcycling of Waste Polyethylene Terephthalate (PET) to Bio-based Alcohols in Circular Economy Framework" at the International Conference on Sustainable Energy and Environmental Challenges (VIII SEEC) organized by MNIT, Jaipur on December 4–6, 2023.



SUNDARAM MAURY

(10CC19A18035) student of Dr. Rambabu Chegondi got the **best poster Award** on "Enantioselective Cu(I)-catalysed Allylation of Anhydrides" at the 2023 XVIII J-NOST Conference for Young Researchers, held at IISER, Pune.



ANKITA KUMARI

(10CC20A18005) student of Dr. Ch Raji Reddy got the **best poster Award** on "Annulation Reactions of Alkynyl pQMs and Benzosultam Acrylamides to access Substituted/Fused Heterocycles" at the 2023 XVIII J-NOST Conference for Young Researchers, held at IISER, Pune.

VINCY VIJAY

(10BB21A18018) student of Dr. Sumana Chakravarty got **the prestigious G.M. Taori Young Scientist Award for the best ORAL presentation** in 37th Annual Conference of Society for Neurochemistry, India (SNCI) and International Conference on "Neuroscience and Neurological Disorders" which was jointly organized by Society for Neurochemistry, India (SNCI) and North Eastern Hill University (NEHU).



SHILPA CHAWLA

(10BB19A18051), student of Dr. Amitava Das has been awarded **the Best Poster Award** and was shortlisted for the Flash talk Oral Presentation for her work entitled, "Bioengineered MSCGFPC α 2-Mmp13 transplantation alleviates hepatic fibrosis by regulating mTOR signaling" at the 92nd Conference of Society of Biological Chemists (SBC), held at BITS-Pilani K K Birla Goa Campus, Goa during 18-20

December 2023.



JUPALLY PRASHANTH

(10CC22J18008), Student of Dr. B. Sridhar has won the **best oral presentation award** at the 50th National Seminar on Crystallography (NS-50) organized by IMTECH, Chandigarh, on 22-25th November 2023.



REDDY APARNA AND ALLU SARAT

(20EE18A18052) and (10BB19A18049) both students of Dr. A.Gangani Rao received the "**Best Paper Award**" for the work titled "Application of fuzzy logic and artificial neural networks to model the anaerobic digestion process performance" at the 6th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2023) held during 18-20 October 2023.



SUBHOLAKSHMI CHOUDHURY

(10BB18A18064) student of Dr. Amitava Das has been awarded by Dr. K. V. Rao Scientific Society, with a citation, medal, and a cash award of Rs. 10000/- as Runner Up-II at the Young Scientist Competition, 2023.



SHAGUFTA HAQUE

(10BB18A18072) has been awarded the certificate with Silver medal and cash prize of Rs. 20,000/- for presenting the Jeevanam Paper entitled "Regulatory Pathways and Role of Smartly Engineered Casein Manganese Oxide Nanoparticles for Therapeutic Angiogenesis"



K SRINIVASULU

Enrollment No. 10CC20A08001, Supervisor Name: Jeevan Prasad Reddy, Scientist, CSIR-CFTRI, Mysuru. Co guide: Dr. A.V Sessa Sainath, Sr. Principal Scientist, CSIR-IICT, Hyderabad. Awarded the **BEST POSTER PRESENTATION AWARD** (First prize) at 55th Annual national conference of Nutrition Society of India (NSI) during 25 -26th November, 2023 held at NIN, Hyderabad. Awarded the **BEST POSTER PRESENTATION AWARD** (First prize) at 9th IFCON during 7-10th December 2023 of AFSTI held at CSIR-CFTRI Mysuru.



CHANDANKUMAR K P

Enrollment No. 10BB22A08031, Supervisor Dr. Suresh Kumar G (Principal Scientist) & Dr. Jayadeep A (Chief Scientist Rtd.) CSIR-CFTRI, "**Best Poster Presentation Award**" at 9th International Food Convention (IFCoN) on 7th-10th December 2023 held at CSIR-CFTRI, Mysuru.



VENKATEISH V P

Enrollment No. 10BB19A08014, Supervisor: Dr. P. Madan Kumar, CSIR-CFTRI. Won the **international travel support from SERB** and presented a poster at the COMBIVET and OH-Boost joint conference 2023 on "Dissecting the pro-fibrogenic role of adipocyte-derived extracellular vesicles on hepatic stellate cell activation" held during 8-9 Sep 2023 at Estonian University of Lifesciences, Tartu, Estonia.



AJAY KUMAR

Enrollment No. 20EE19A06005, Supervisor: Dr. Rahul Prajesh, CSIR-CEERI
Attended COMSOL Multiphysics Online, Training: Acoustics & Structural Mechanics, Conducted on July 24-28, 2023



SHIPRA BHATIA

Enrollment No. 20EE19A06004, Supervisor: Dr. Debasish Pal, CSIR-CEERI, received '**Prof. Sudarshan Tiwari Best Paper Award** in Antenna Track' and outstanding contribution as the member of Women in Engineering (WIE) Committee in International Conference on Microwave, Antenna and Communication (MAC2023) organised by Motilal Nehru National Institute of Technology Allahabad, Prayagraj, India held during 24-26, March 2023. Certificates were issued on June 20, 2023.



SOMRITA NAG

Enrollment No. 10CC19A12017, Supervisor: Dr. Priyabrata Banerjee, CSIR – CMERI. In 2023, bagged the **best paper award** in 'World Environment Summit 2023' in collaboration with CSIR-NEERI, Dr. Bhim Rao Ambedkar College, University of Delhi, Zoological Survey of India, Kolkata, MoEF&CC, Government of India, Amity University Haryana, GRC India, MSMECCII and in foreign partnership with Villa College Maldives, Tribhuvan University, Kathmandu, Nepal and International Centre for Migration, Health and Development, Geneva (Switzerland) and Zoological Society of Bangladesh.



Dr K SANGEETHA

Enrolment No: 10BB20A02005, Supervisor: Dr Bhavana Prasher, Academic centre: CSIR-IGIB
Awarded the **first prize** in the CSIR-IGIB Science Communicator Award 2023 organized by CSIR IGIB and Jigyasa

Awards & Achievements of AcSIR Faculty



Dr. KARNAN CHINNADURAI

Assistant Professor, CSIR-NIO

Awarded the CSIR Young Scientist Award for the year 2022 in Earth, Atmosphere, Ocean and Planetary Sciences on 27th December 2023 at New Delhi.

Dr. HAIMANTI BISWAS

Assistant Professor, CSIR-NIO

Awarded Humboldt Research Award (Friedrich Wilhelm Bessel Award 2023).



Dr. R. JYOTHIBABU

Assistant Professor, CSIR-NIO

The Zoological Society of India (ZSI) has awarded Dr. Jyothibabu with the fellowship award (FZSI). Dr. Jyothibabu received the award at University of Kashmir, Srinagar. The award was given at the occasion of the National Science Congress of Zoological Society of India, Gaya, Bihar at the University of Kashmir on 5th June 2023.)

Dr. RAKHEE KHANDEPARKER & DR. SUPRIYA SHET TILVI

Assistant Professor & Associate Professor, CSIR-NIO

- 1) Skill Hands-on Training Course on "Seawater Analysis" 27th-28th June 2023
- 2) Mainstreaming Research, Technology & Innovation in Ushering Blue Economy in India Organized by CSIR- National Institute of Oceanography (CSIR-NIO), Goa in collaboration with National Fisheries Development Board (NFDB), Government of India, Hyderabad 17-18th August, 2023
- 3) Ayurveda Week celebration from 6th-8th November, 2023.



Dr. ANAS ABDULAZIZ

Assistant Professor, CSIR-NIO

A citizen science and water clinic were held in Kavaratti, Lakshadweep on November 4th and 5th, 2023. The program aimed to educate school students on the importance of monitoring water quality to maintain ecosystem health and avoid outbreaks of water-associated diseases. The program was organized by the CSIR-National Institute of Oceanography in association with the Lakshadweep Pollution Control Committee (LPCC). Lectures were given to school students on the importance of different chemical and microbial water quality parameters. Twelve students were selected as citizen scientists and were trained on the collection and preservation of water samples, monitoring water samples using simple tools such as 3D printed Secchi discs, pH paper, and water quality monitoring kits. A water clinic was also conducted, during which samples collected from different sources in Kavaratti were monitored for their chemical as well as microbial quality.



Dr. RAJEEV SARASWAT

Assistant Professor, CSIR-NIO

Samudra Manthan'23, 1st National Oceanography Scholars Meet at CSIR-NIO, Goa

CSIR-NIO organized Samudra Manthan'23 - 1st National Oceanography Scholars' Meet during 28th to 30th September 2023. This workshop was aimed to bring all the research scholars, post-doctoral fellows,

students who are working on the oceanography field together and to present, discuss recent innovations, trends, and concerns in the various fields of oceanography. This meeting marks a watershed moment in oceanography, bringing together scientists, intellectuals, and students across India to dive deep into the mysteries of our vast and complex seas.

The inauguration of the program was held on 28th Sept 2023 9.00 AM at S.Z Qasim Auditorium, CSIR NIO and Dr Thamban Meloth, Director, National Centre for Polar and Ocean Research, Vasco, Goa had graced the occasion as chief guest. A total of over 200 participants including scholars, eminent scientists, faculties from all over the country working on the Oceanography field are participating in the event.



Dr. BIRAJA KUMAR SAHU

Assistant Professor, CSIR-NIO

Dr. Biraja Kumar Sahu visited Woods Hole Oceanographic Institute (WHOI), USA to attend the symposium "Biodiversity, Ecology, and the Biological Carbon Pump in the Ocean Twilight Zone: A sustainable future in the face of human exploitation and climate change." during September 13-20, 2023. Dr. Sahu also presented his work in the symposium. The travel and stay were funded by the WHOI, USA.



Dr. HAIMANTI BISWAS

Assistant Professor, CSIR-NIO

1) June 4 -9, 2023, Mallorca, Spain: To participate and present a talk at the ASLO Aquatic Science Meeting 2023.

2) July 1-3 2023, Kiel, Germany: To visit and deliver an invited talk at GEOMAR Helmholtz Centre for Ocean Research Kiel.

3) 60 days during May-July, 2023: Visiting scientist at LOCEAN (Sorbonne University), Paris, France.



Dr. CHINNARAJAN RAVINDRAN

Associate Professor, CSIR-NIO

Mr. Lawrence I

Enrollment No. 10PP20A29050

Supervisor Name: Dr. Chinnarajan Ravindran

The article "Possible beneficial interactions of ciliated protozoans with coral health and resilience" is published in Applied and Environmental Microbiology. The same article is also selected as an article of significant interest in the October 2023 issue.



Visit of **Dr. Danda Srinivas Rao**, Dean, Physical Sciences to CSIR- NIO, Goa

Dr. Danda Srinivas Rao, Dean Physical Sciences visited CSIR- NIO, Goa on 12th July 2023. He gave a talk on "Beach Placers".



**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. SURAJ SOMAN**

Scientist & Assistant Professor, AcSIR
Centre for Sustainable Energy Technologies, CSIR-NIIST
Received Solar Challenge Award by the Department of Science and Technology (DST) presented by Hon. Minister for Science and Technology, Dr Jitendra Singh at the 14th Clean Energy Ministerial (CEM) and 8th Mission Innovation (MI) meeting alongside G20 Energy Transitions Ministerial in Goa.

**Dr. HARSHA BAJAJ**

Scientist & Assistant Professor, AcSIR
Microbial Processes & Technology Division (MPTD), CSIR-NIIST
Dr. Harsha Bajaj has been selected as an associate of the Indian Academy of Sciences, Bangalore for 2023.

**Dr. PARTHA KUNDU**

Senior Scientist & Assistant Professor, AcSIR
Environmental Technology Division (ETD), CSIR-NIIST
Dr. Partha Kundu has been selected for Eurasian Academy of Environmental Sciences (EAES) Award – 2023

**Prof. RAMA MOHAN KURAKALVA**

Senior Principal Scientist & Professor, AcSIR, CSIR – NGRI
Organized Residential Training Programme on water pollution, sponsored by the Central Pollution Control Board (CPCB) from May 15-17,2023 at CSIR-NGRI.

**Dr. SHIB SANKAR GANGULI**

Scientist & Associate Professor, AcSIR, CSIR – NGRI
Selected as a "Member" of the prestigious Indian National Young Academy of Sciences (IN-YAS) - the only recognized young scientist academy in India for a period of 5 years (Jan, 2023).

**Dr. D. SRINIVASA SARMA**

Chief Scientist & Professor AcSIR, CSIR – NGRI
Won the Sitaram Rungta Memorial Award from the Society of Geoscientists and Allied Technologists (SGAT), Bhubaneswar, in December 2023.

**Dr. SANDEEP KUMAR GUPTA**

Professor AcSIR, CSIR – NGRI
Elected as Vice President,
Asian Seismological Commission.

**Dr. RD TRIPATHI**

Received the Panchanan Maheshwari Medal Award of the Indian Botanical Society on 4 November 2023 at Sant Gadge Baba Amaravati University, Amaravati. Best Research Paper Published Award 2023 from CSIR-National Botanical

Research Institute at Foundation Day of CSIR for a research paper entitled "Bist, V., Anand, V., Srivastava, S., Kaur, J., Naseem, M., Mishra, S., Srivastava, P.K., Tripathi, R.D. and Srivastava, S., 2022.

Alleviative mechanisms of silicon solubilizing *Bacillus amyloliquefaciens* mediated diminution of arsenic toxicity in rice. *Journal of Hazardous Materials*, 428,p.128170. Delivered YS Murthy Memorial Lecture-2023.

Delivered YS Murthy Memorial Lecture "Development of Low grain Arsenic Rice crop for Arsenic contaminated environments of India" on October 2023 of Indian Botanical Society, at Department of Botany, DDU Gorakhpur University, Gorakhpur. Delivered Plenary Lecture R.D. Tripathi*, P.K. Singh, R. Chauhan, S. Awasthi, M. Shri, S. Verma, S.Dwivedi, S. Mishra, P.K. Srivastava, S. Mallick, B. Adhikari, D. Chakrabarty, P.K. Trivedi "Novel Strategies For Low Grain Arsenic Rice Crop For Sustainable Environment And Agriculture" at "Environmental Sustainability and Biotechnology: Opportunities and Challenges" conference organized by Ponda Education Society's Ravi S. Naik

College of Arts & Science, Farmagudi, Ponda, Goa in collaboration with Society for Environmental Sustainability (SES) held at Goa from 16 to 19 November 2022. (Abstract number P-6, Page number



Dr. DIBYENDU SARKAR

Chief Scientist and AcSIR Professor, CSIR-IMTECH
Elected as a fellow of the Indian National Science Academy (INSA) New Delhi. Invited to join as an Editorial Board Member of the Journal of Bacteriology (2024-2027), American Society of Microbiology in 2024.



Dr. BIKASH KUMAR JENA

Principal Scientist & Associate Professor, AcSIR, CSIR-IMMT
S elected to receive the prestigious MRSI Medal for 2023. This will be presented to him during the Annual General Meeting of MRSI along with the 5th Indian Materials Conclave to be held at IIT (BHU) Varanasi, during December 12-15, 2023.



Dr. AMIT KUMAR

Professor, AcSIR and Senior Principal Scientist, CSIR-IHBT, Palampur, Himachal Pradesh visited "International Center for Land Policy Studies and Training (ICLPST)", Taoyuan City, Taiwan to attend a "seminar on geographical information system and land management-net zero and sustainable development" during 18-31 October 2023.



Dr. PRAVEEN KUMAR BHARTI

Scientist 'F' & Professor, AcSIR
European Congress on Tropical Medicine and International Health, ECTMIH, 2023, 19-11-2023 to 24-11-2023, Netherland.



Dr. ABHINAV SINHA,

Scientist F ICMR-NIMR & Professor AcSIR, CSIR travel grant (Infectious Diseases meeting, London), ICMR travel grant (Malaria Gordon Research Conference, Barcelona), Malaria Gordon Research Conference, Barcelona: June 2023, Infectious Diseases Through an Evolutionary Lens Conference, London: October 2023.



Dr. KAMALESH PRASAD

Professor, AcSIR, CSIR-CSMCRI
Achievement:1. Invited as a Jury member to evaluate Award applications for IGCW-2023 (September 2023). Invited as Official Nominator of VinFuture Prize, VinFuture Foundation, Hanoi-Vietnam (May 2023). Dr



Dr. DIVESH N SRIVASTAVA

Professor & Coordinator AcSIR-CSMCRI
Elected as member in the Executive Council of Gujarat Science Academy (2023-2025).



Dr. RIPUL GHOSH

Principal Scientist and Associate Professor AcSIR, CSIR – CSIO
Won the SERB International Research Experience (SIRE) fellowship to conduct research at Syracuse University, New York, United States from September 2023 to February 2024.

Dr. RAVI KANT JAIN

Senior Principal Scientist and Professor, AcSIR
Department: Intelligent System Engineering Group, CSIR-CMERI Durgapur
High-end workshop on "Internet-of-Thing (IoT) and Artificial Intelligence (AI) and Its Industrial applications" Funded by : SERB, DST New Delhi, 26 June -2 July 2023, International Exchange Visit at Samarkand, Uzbekistan under ongoing Indo-Uzbek Joint Research Project entitled "Advances in Internet-of-thing IOT based crop health and soil monitoring with automatic irrigation system" funded by DST, New Delhi under GAP-234812, University: Samarkand branch of Tashkent State Agrarian University (TSAU), Samarkand, Uzbekistan, 26 Aug-4 Sept 2023, Visiting Scientists are Dr. Arpita Mukherjee, Principal Scientist, Underwater Robotics Group, Dr. Ravi Kant Jain, Senior Principal Scientist, Intelligent System Engineering Group, Purpose of Data and sample collection of different soil for data analytics. Exchange Scientific and technical knowledge for developing IOT based crop health and soil monitoring system along with automatic irrigation system.



**Dr. PUJA KHARE**

Assistant Professor, AcSIR, CSIR-CIMAP

Won the NESAWomen Excellence award-2023 on 16, December 2023.

**Dr. SUMIT GHOSH**

Associate professor, AcSIR, CSIR-CIMAP,

Elected as the Fellow of NASI, Allahabad.

**Dr. SUAIB LUQMAN**

Professor, AcSIR Coordinator at CSIR-CIMAP

Featured in the List of Top 2% Most Influential Scientists (Single Year) in 2023 Stanford University List: Analysis of Indian Researchers.

**Dr. A. MERCY LATHA**

Associate Professor, AcSIR & Principal Scientist, CSIR-CEERI.

Won the CSIR Young Scientist Award in Engineering Sciences for the year 2022.

**Dr. VISHANT**

Associate Professor, AcSIR & Principal Scientist, CSIR-CEERI.

Won the CSIR-Young Scientist Award (YSA)-2022 in field of Physical Sciences (Including instrumentation) for his outstanding contributions to the research related to gyrotron and sub-Terahertz radiation source.

**Dr. B. A. BOTRE**

Associate Professor, AcSIR & Principal Scientist, CSIR-CEERI.

Award – CSIR – Raman Research Fellowship

Received prestigious CSIR – Raman Research Fellowship 2023-24 for research visit to Bournemouth University, England (UK). Duration of the fellowship is 3 months. The topic of the research is “Human Computer Interface based Assistive Robotic Smart Wheelchairs for the elderly and the people with disabilities”.

**Dr. SUBRATA KUNDU**

Associate Professor, AcSIR & Principal Scientist, CSIR-CECRI,

Given an invited lecture called by Royal Society of Chemistry (RSC) London as an Associate Editor of ‘JMC A and Materials Advances’ at BARC, Mumbai and NCL, Pune on 3rd and 4th July 2023.

The 2nd edition of Research.com ranking of the best researchers in the arena of Chemistry was created using data consolidated from various data sources including OpenAlex and CrossRef. The bibliometric data for estimating the citation-based metrics were collected on 21-12-2022. Position

in the ranking is based on a scholar's D-index (Discipline H-index), which includes exclusively publications and citation metrics for an examined discipline. It came on August 2023. Appeared in national ranking 44 and world ranking 4715. Link: <https://research.com/scientists-rankings/chemistry>

One of our research work entitled: ‘A review on consequences of flexible layered double hydroxide-based electrodes: fabrication and water splitting application’ published in Sustainable Energy Fuels, 2023, 7, 3741 by co-authored Sreenivasan Nagappan, Seungmin Yang, Arindam Adhikari, Rajkumar Patel and Subrata Kundu has been published as journal cover page in August 2023. (Link: <https://pubs.rsc.org/en/content/articlelanding/2023/se/d3se00573> and <https://doi.org/10.1039/D3SE00573A>)

In August 2023: CECRI Scientists in Top 2% Most Influential Scientists (Single Year) in 2023 by Stanford University, Link: <https://insights2techinfo.com/top-2-most-influential-scientists-single-year-in-2023-stanford-university-list-analysis-of-indian-researchers/>

Link: <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw>

<https://profiles.stanford.edu/john-ioannidis>

The 'Journal of Materials Chemistry A, B and C' is celebrating its 10th anniversary and has featured some of the bright members in a series of Community Spotlights.

Link: https://blogs.rsc.org/jm/category/jmc-10th-anniversary/jmc-10th-anniversary-community-spotlight/?doing_wp_cron=1702525067.2502539157867431640625

One of our work entitled: 'Boosting of overall water splitting activity by regulating electron distribution over active site of Ce doped NiCo-LDH and atomic level understanding of the catalyst by DFT study' by Subrata Kundu et al., published in J. Mater. Chem. A, 2022, 10, 17488 – 17500 has been highlighted in Nature Spotlight article in December 13th 2023. "How high-impact papers from Indian researchers are shaping science", Nature, Vol. 624, Pg. S34, 2023. DB No. 237/2023 on December 15th 2023 Link: <https://www.nature.com/articles/d41586-023-03913-7>



Dr. PINTU KUMAR MANDAL

Associate Professor, AcSIR & Principal Scientist, CSIR-CDRI
Won the ACCTI C.G. Merchant Memorial Award 2023 and cash prize for his outstanding contribution in the area of Synthetic Carbohydrate Chemistry at Delhi Technological University in November 30 - December 2, 2023.



Dr. BIDYUT PURKAIT

Assistant Professor, AcSIR & Senior Scientist, CSIR-CDRI
Received the Best Poster Presentation Award during Immunocon-2023 held at AIIMS from 5th – 8th October 2023.



Dr. DIVYA SINGH

Professor, AcSIR & Senior Principal Scientist, CSIR-CDRI
Elected as a Fellow of the National Academy of Sciences, India (NASI) for the year 2023.



Dr. RITU TRIVEDI

Professor, AcSIR & Senior Principal Scientist, CSIR-CDRI
Received Excellence Awards 2023 by Biospectrum for Young Woman Scientist of the Year 2020-21.



Dr. G R CHANDAK

J C Bose Fellow, CSIR-CCMB
GR Chandak joins the Advisory Board of National Alliance of Sickle Cell Organisations (NASCO), India's 1st voluntary, non-profit national consortium of 25+ organizations constituted by patient advocate groups to educate and empower Sickle Cell Disease patients & caregivers.



Dr. ISHWARIYA VENKATESH

Assistant Professor, AcSIR & Senior Scientist, CSIR-CCMB
Selected as Associate of the Indian Academy of Sciences, Bangalore.



Dr. SRIRAM VARAHAN

Assistant Professor, AcSIR & Senior Scientist, CSIR-CCMB
Selected as Associate of the Indian Academy of Sciences, Bangalore.



Dr. JANESH KUMAR

Professor, AcSIR & Senior Principal Scientist, CSIR-CCMB
Janesh Kumar for the S Ramachandran Bioscience Award for Career Development by Dept of Biotechnology.



Dr. MANJULA REDDY,

JC Bose Fellow, CSIR-CCMB
Among the 75 women trailblazers in science (DST coffee table book) JC Bose fellowship.



Dr. R.SANKARANARAYANAN

JC Bose Fellow, CSIR-CCMB
Awarded JC Bose Fellowship - 2nd time



Dr. D. SRINIVASA REDDY

Outstanding Professor, AcSIR & Director, CSIR-IICT,
Elected as the Fellow of Indian National Science Academy for the year 2023.



Dr. SANDIP B. BHARATE

Professor, AcSIR & Senior Principal Scientist & Professor of Medicinal Chemistry, CSIR-IICT
Appointed as an 'Associate Editor' of Medicinal Research Reviews (Wiley).



Dr. SAIBAL DAS,

Professor, AcSIR & Senior Principal Scientist of CSIR-IICT was conferred as the "Alumni Ambassador of France for 2023-25" by the Consul General of France, Mr Thierry BERTHELOT and presented the official letter from the Ambassador of France to India, H.E. Mr Emmanuel LENAIN. profiles from more than 10,000 plus alumni network in India, who have achieved important milestones in their careers and who are therefore worthy representatives of the France Alumni India Chapter.



Dr. S. SRIDHAR

Professor, AcSIR & Chief Scientist, CSIR-IICT
Won the "Excellence in Multidisciplinary Research" Award 2023 from The Associated Chambers of Commerce & Industry of India (ASSOCHAM).



Dr. CHITTARANJAN PATRA

Professor, AcSIR & Senior Principal Scientist, has been awarded with prestigious 'Silver Medal' by ChirantanRasayanSanstha®(CRS®) as recognition for his enormous contribution in the advancement as well as popularization of science.



Dr. PRATHAMA S. MAINKAR

Professor, AcSIR & Chief Scientist, CSIR-IICT
Selected as Fellow of Royal Society of Chemistry for her contributions in the area of Drug Discovery with a special emphasis on Kinase Inhibitors and other related areas.



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 GBPNIHE.
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. E. BHOJE GOWD

Senior Principal Scientist, MSTD, & Professor AcSIR, CSIR-NIIST
Visit to KAUST, Saudi Arabia
Deliver an invited talk at KAUST Research Conference on "Designing Macromolecules for a Sustainable Future", November 4-8, 2023.



Dr. SURYA PRAKASH SINGH

Principal Scientist honored with prestigious CRSI-Bronze Medal for the year 2024.
The medal was announced in the General Body meeting of CRSI held at NIT Rourkela on 7th July 2023.



Dr. CH. RAJI REDDY, Chief Scientist and **Dr. AMITAVA DAS**, Senior Principal Scientist, CSIR-IICT, Have been selected to The Fellow of The National Academy of Sciences, India (NASI) for the year 2023.



Dr. S. PRABHAKAR

Chief Scientist, CSIR-IICT. The Center for Analysis of Chemical Toxins (CACT) of CSIR-IICT has obtained the prestigious OPCW Designation status for the analysis of CWC chemicals.



Dr. L. GIRIBABU

Senior Principal Scientist of CSIR-IICT has been selected as Best Associate Editor of the year 2023 by Solar Energy Journal. Has been selected to Material Research Society of India (MRSI) Medal-2023.



Dr. JOHN MONDAL

Senior Scientist of CSIR-IICT has been awarded the prestigious Merck Young Scientist Award for the year 2023.



Dr. K. NAGAIHAH

Chief Scientist has been nominated as a subject expert (Chemistry) for Scientific Advisory Committee Member in Central Council for Research in Unani Medicine (Ministry of Ayush).

Has been nominated as a subject expert (Chemistry) for Scientific Advisory Committee Member in Central Council for Research in Unani Medicine (Ministry of Ayush).



CSIR IICT Received AWARD OF MERIT on Excellence in Research Lab category under Reduce Reuse Recycle (3R) Awards 2023 by Confederation of Indian Industry (CII) at New Delhi on 30 November 2023. This award is received for PET depolymerization technology. Team consisting of Dr. H.S. Simha, Dr. S.M Sutar, Shri M. Naveen, Dr. Alka Kumari, Dr. Vineet Aniya.



Dr. MANISH MOHAN GORE

Scientist & Assistant Professor AcSIR

Science Media Communication Cell (SMCC), CSIR-NIScPR

Received the prestigious award of Jagapati Chaturvedi Bal Vigyan Lekhan in a grand award distribution function organized at the Nirala Auditorium of the Uttar Pradesh Hindi Sansthan (Lucknow) on December 30, 2023.

Activities

M.Sc. Food Technology

2022-24 & 2023-25 Batch, CSIR- CFTRI, Mysuru



Visits

National Sugar Institute, Kanpur, 26-28 July 2023



Extra-Curricular Activities

One week One Lab (OWOL), CSIR-CFTRI, Mysore, 3-5 July 2023



International Food Technology (IFT) Club trip

1 July 2023



Farewell
M.Sc. Food Technology 2021-23 Batch 23 July 2023
M.Sc. Food technology 2021-23 & 2022-24 Batches



Ganesh Chaturthi Celebration
21 October 2023



Dussehra Celebration
23 July 2023



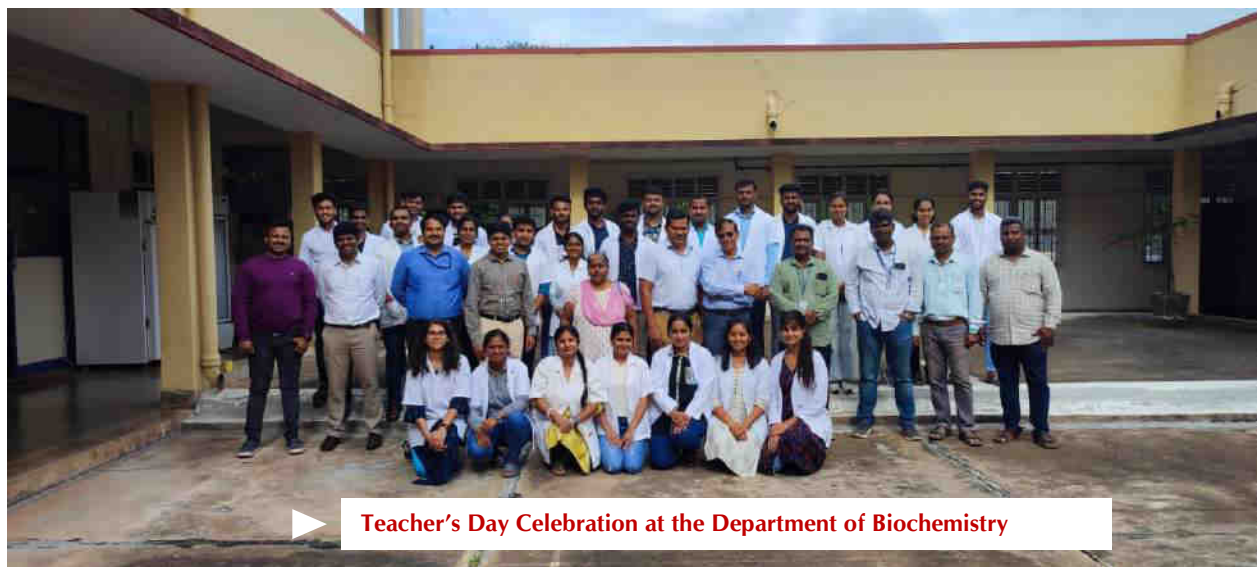
Onam Celebration
22 July 2023



Freshers party to 2023-25 Batch
18 November 2023



▶ **Christmas Celebration**
25 December 2023



▶ **Teacher's Day Celebration at the Department of Biochemistry**



Mahatma Gandhi Jayanti

ESSAY WRITING COMPETITION



AISHWARYA M

Reg. No. – 50BB23A08023, M.Sc. Food technology 2023-25, CSIR – CFTRI, Won **First Prize in Essay Writing Competition**



VARUN N

Reg. No. – 50BB23A08004, M.Sc. Food technology 2023-25, Won **Second Prize in Essay Writing Competition**



POORNIMA H S

Reg. No.: 50BB23A08029, M.Sc. Food technology 2023-25, CSIR – CFTRI, Won **Third Prize in Essay Writing Competition**

INCHARA S

Enrollment No. 50BB22A08025
M.Sc. Food Technology 2022-24 Batch
CSIR – CFTRI



Won the Scholarship of AFST (I) Education and Publication Trust for the year 2023



Kannada Rajyotsav



IFCoN Poster Session



Industrial Visit at Laurus Bio Ltd

Coordinator – Dr. P.S Negi
M.Sc. Food technology
2023-25 batch CSIR – CFTRI



Industrial Visit to Britannia Industries Ltd

Coordinator – Dr. Joseph

M.Sc. Food technology 2023-25

Academic Centre: CSIR – CFTRI



DILIP KUMAR MAURYA

Supervisor Dr. SUSHEEL KUMAR CSIR – NBRI *Extracurricular Activity*: Made several rangoli for One Week One Lab (OWOL) program **Rangoli for National Conference of NESA (National Environmental Science Academy) organized in NBRI from 14th – 16th Dec 2023** with team member Dilip Kumar Maurya (Left), Mithilesh Bharadwaj (Middle), Swati Verma (Right) organized in NBRI with Group members Nisha, Dilip, Sonam, Tanu, Jyoti, Swati, Vikash





DR. MRS. N. KALAISELVI,

Professor of Eminence, Chancellor, AcSIR & Secretary, DSIR and DG, CSIR

Visited Moulali Plant, launched new institute website and addressed the AcSIR Faculty and AcSIR students. DG-CSIR also had an interactive session with Scientists (under 45yrs) and common Cadre officers of CSIR-IICT, CSIR-CCMB, CSIR-NGRI and extension centers of CSIR-NEERI, CSIR-CIMAP and CSIR-CFTRI program conducted at CSIR-IICT.





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