

CSIR IN MEDIA



सीएसआईआर

CSIR

भारत का नवाचार इंजन

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NEWS BULLETIN

01 TO 05 FEBRUARY 2024



CSIR -IIM to organise international Ethnopharmacology conference

CSIR-IIIM

05th February, 2024

CSIR-Indian Institute of Integrative Medicine Jammu and Society of Ethnopharmacology (SFE), Kolkata would be organizing an international conference under the theme “Ethnopharmacology in Development of Phytopharmaceutical Drugs” from 16th to 18th February, 2024.

While talking to the media persons during the curtain raiser event of this Conference held here today, Dr. Zabeer Ahmed, Director, CSIR-IIIM and Organising Chairman informed that Dr. Jitendra Singh, Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space and Vice President CSIR has been invited to inaugurate the Conference. Padma Prof. Vinod K Singh, Chair Professor, Department of Chemistry, IIT Kanpur, Chairman, CSIR-RAB and Mentor of CSIR-IIIM from amongst CSIR Society, Vd. Rajesh Kotecha, Secretary, Ministry of AYUSH, GoI, Shekhar Dutt and Dr. CP Thakur (Both former Governors of Chhattisgarh and Advisors SFE) besides many distinguished Scientists, technologists, policy makers, industry people, academicians, clinicians, researchers, students from all over India and abroad are expected to participate .

About the detail of Scientific deliberations, Dr. Ahmed, mentioned that the Conference will have more than 20 scientific sessions, including and I-Connect program: Business Meet, on the theme “Development of Phytopharmaceutical Drugs: Tradition to Translational”, “Young Ethnopharmacologist Award Function”, “American Chemical Society (ACS) Best Oral Presentation Award Session”, “SFE Best Poster Presentation Session”, Panel Discussion on “Opportunities and Challenges in Cannabis Research” and Traditional Healers Meet.

Other scientific sessions would include talks on the themes “Phytopharmaceuticals: Drug Development from Traditional Medicine”, “Evidence-Based Validation of Traditional

Medicine”, “Traditional Ethnopharmacology Inspired Drug Discovery and Development”, “Development of Botanical/Herbal Drugs: Global Perspective”, “Global Positioning of AYUSH Products: Standardization and Validation”,

More than 100 distinguished invited speakers, from nearly 20 different countries, including the United States of America, United Kingdom, Australia, Italy, Malaysia, Thailand, Bangladesh, Ghana and India would be delivering their talks. Nearly 700 participants from all over India have registered for this mega event, he added.

Pertinent to mention, the international conference will be organized under the overall supervision of Dr. Zabeer Ahmed, Director CSIR-IIIM and the organizing Chairman for this International Conference whileas Dr. Prasoon K. Gupta and Dr. Naveed Qazi are organizing secretaries. Dr. Pulok K. Mukherjee, Chairman, Scientific Services SFEC- 2024, Dr. Subhash C Mandal, Secretary SFE, Birendra Kumar Sarkar, President SFE, Dr. CK Katiyar, Vice President SFE, Indraneel Das, Vice President, SFE, Dr. Amit Kar, Treasurer SFE and other members of S&T staff of CSIR-IIIM, are on the organising Committee of this mega event.

CSIR Palampur: सीएसआईआर पालमपुर देश में पहली बार तैयार करेगा पियोनी फूल, कंपनी के साथ किया एमओयू

CSIR-IHBT

05th February , 2024

हिमालयी जैवसंपदा प्रौद्योगिकी संस्थान (सीएसआईआर) पालमपुर देश में पहली बार नीदरलैंड के पियोनी फूल को उगाने पर शोध करेगा। इस फूल के बीज को यहां के वातावरण के हिसाब से विकसित करने के लिए सीएसआईआर नीदरलैंड और हरियाणा की एक कंपनी के साथ मिलकर शोध करेगा। नीदरलैंड की मैसर्ज डर्क शिपर और हरियाणा की जींद की मैसर्ज रेड मिर्ची कंपनी के साथ एमओयू साइन हो चुका है। हिमाचल प्रदेश के ठंडे क्षेत्र लाहौल-स्पीति, लद्दाख और कारगिल में इसके पौधे उगाकर उस पर अध्ययन किया जाएगा। इसके बाद फूल की किस्में देश भर के किसानों तक पहुंचाई जाएंगी।



देश भर में होने वाले बड़े शादी-समारोहों में सजावट के लिए पियोनी फूल को नीदरलैंड से आयात किया जाता है। इसके एक बीज (वाल्व) की कीमत करीब 500 रुपये तक रहती है। शुरुआत में इस फूल की 10,000 पौधे का बीज मंगवाया गया है। फूल चार साल में तैयार होता है। इसका झाड़ 25 से 30 साल तक रहता है। फूल के एक झाड़ पर हर सीजन में 25 से 30 फूल लगते हैं। बाजार में एक फूल की कीमत 350 रुपये तक रहती है। पियोनी के टिशू कल्चर और कई किस्मों पर शोध के चलते उम्मीद जगी है कि महंगा बिकने वाला फूल अब देश में पैदा हो सकता है। हालांकि, इसकी सफेद जंगली किस्म उगती है, लेकिन वह बाजार में बिकने वाले गुलाबी फूल के अनुरूप नहीं होती।

फूल पर जल्द शुरू होगा शोध : डाॅ. भव्य भार्गव
सीएसआईआर के फूल विभाग के विभागाध्यक्ष डाॅ. भव्य भार्गव ने कहा कि पियोनी फूल को लेकर जल्द शोध शुरू होगा। उम्मीद है कि फूल अब देश में बड़ी मात्रा में तैयार होगा। इससे नीदरलैंड से निर्भरता कम होगी और देश के लोगों को सस्ता भी पड़ेगा। इसे कारगिल, लद्दाख और लाहौल-स्पीति में शोध के लिए लगाया जा रहा है। इसकी कई किस्में तैयार की जाएंगी।

फूल को तैयार करने के बाद देंगे किसानों को : निदेशक सीएसआईआर के निदेशक डॉ. सुदेश कुमार यादव ने कहा कि इस फूल के तैयार होने पर इसे किसानों तक पहुंचाया जाएगा। इससे किसानों की आर्थिकी मजबूत होगी। हरियाणा की कंपनी इसे आगे किसानों तक पहुंचाने में अपना सहयोग करेगी।

वास्तु शास्त्र में माना गया है चमत्कारी वास्तु शास्त्र में फूलों की रानी कहे जाने वाले सौंदर्य व रोमांस के प्रतीक इस फूल को चमत्कारी माना गया है। घर में लगाने से सकारात्मक ऊर्जा का संचार होता है और इसके प्रभाव से शादी में आ रही बाधा दूर होती है। इस पौधे को दक्षिण पश्चिम दिशा में लगाने से परिवार के बीच संबंध मजबूत होते हैं। बड़े शादी समारोहों में इसे लगाने का एक तर्क ये भी है।

Mesmerizing Tulip garden at CSIR-IHBT has been opened for public in Palampur

CSIR-IHBT

04th February , 2024

Tulip is a tuberous cut flower that has huge International and domestic demand. It ranks third in the world's top cut flower trade. Under the mission, the institute has been planting these beautiful flowers in its premises for the last two years. This year 50,000 tulip bulbs of 6 varieties of various vibrant colors have been planted in the garden. The garden, after its opening, is expected



to attract a large number of visitors from within and outside the state thereby promoting scientific tourism. Last year, over 70,000 visitors from across the country visited this exquisite tulip garden. This time, far more number of visitors are anticipated. On the opening day itself, under the Jigyasa programme more than 200 students and 12 teachers from Kendriya Vidyalaya, Bhanala (HP) visited the garden. It is pertinent to mention that this garden is the first tulip garden of the state. CSIR-IHBT started experimental trials on flower and bulb production of tulip in the Lahaul valley of Himachal Pradesh for its commercial cultivation. To begin with, several farmers from cooperative societies such as Yaani Mahadev Floriculture Society, Madagran; Pattan Valley Floriculture Society Limited, Shansha; and Tinan White Mountain Floriculture Society Limited, Jangla, were trained and empowered to cultivate tulips. They are now engaged in tulip cultivation for bulb and flower production, and are reaping benefits. The Institute is making a significant endeavour to offer new opportunities for attractive income generation to entrepreneurs and farmers engaged in the cultivation of these flowers and to make India self-reliant in tulip bulb production to meet the domestic demand of the country. The institute aims to produce tulip bulbs to meet the annual domestic demand of the country for the next 7-8 years and make India self-reliant in this aspect.

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CSIR-CLRI projects its technology expertise and key services in India International Leather Fair 2024

CSIR-CLRI

03rd February , 2024

In the 37th India International Leather Fair (IILF) 2024 held in Chennai during February 1-3, CSIR-Central Leather Research Institute presented four of the critical domains and expertise viz. (a) technology supply, (b) consultancy services, (c) human resource development activities and (d) testing and quality assurance services. Dr. K J Sreeram, Director, CSIR-CLRI said that CSIR-CLRI is the global forerunner of technology



development in the areas of leather, leather chemicals, leather products, environmental technology, cleaner production etc. Insofar the leather value chain is concerned, this Institute is the leading holder of knowledge products. Technologies developed and scrutinized through a robust process and validated to be industry-ready. Further, he added that we have the expertise in providing consultancy services in the areas of leather and allied areas, environmental protection, and management avenues. CSIR-CLRI has been a major center for human resource development creating a skilled and knowledge work force of different levels. The majority of the industrial units connected to the leather supply chain have been manned by those created by CSIR-CLRI. CSIR-CLRI has been operating a state-of-the-art facility center for testing of Physical, Chemical, and Biological parameters of leather, leather products, non-leather footwear, and its components for product. During IILF 2024, CSIR-CLRI displayed various products along with an interactive presentation on 'Tannery of the Future' software, which provides strategic routes and technological options for achieving comprehensive sustainability. During IILF 2024, CSIR-CLRI had taken the opportunity to enter into agreement with M/s Vishnu Chemicals Limited, Hyderabad for evaluating their chrome tanning agent, and M/s Allanasons Pvt. Ltd. Navi Mumbai for pollution attenuation.

CSIR-CLRI conducted a DESIGN WORKSHOP on the 2nd February in association with NID, DPIIT, and CLE during IILF 2024. Designers from India and abroad, and industry leaders had participated in the event. The perspectives, learning, and the experiences shared by them were benevolent to the participants immensely. Design Workshop was well attended by more than 80 participants from Industries.

“Jammu and Kashmir born "Aroma Mission" will be among the torchbearers of "Viksit Bharat", said Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh in Jammu today

CSIR-IIIM

03rd February , 2024



Dr Jitendra Singh said, J&K has also become a role model for the rest of India, which was exemplified by the depiction of lavender farms of Bharderwah town of district Doda, through a tableau on Kartavya Path in the national capital on the occasion of the Republic Day. He said the youth of J&K associated with the Aroma StartUps ecosystem have emerged as brand ambassadors of Purple Revolution across the country.

The Union Minister was speaking after chairing the first-of-its-kind meeting with PRIs, including members from DDCs. The meeting, aimed at fostering connect with the society for StartUp promotion in the region, was held at CSIR-Indian Institute of Integrative Medicine, Jammu today. Describing J&K's Aroma Mission as a success story, Dr Jitendra Singh called for investing time and efforts to harness the hitherto unexplored or under-explored areas, contending that these areas hold the key to propelling India's economy. Dr Jitendra Singh said, agri startups are fast becoming avenues of self-employment for youth of the Union Territory.

Pitching for more public-private partnership in agri startups, Dr Jitendra Singh said, the era

of silos is over, hence collaboration should be fostered among the two sectors. Underlining the importance of generating awareness about cultivation of Himalayan resources like lavender, he called upon the DDC members to play their part in this endeavour so that a large number of youth in their areas can join agri start-ups and earn their livelihoods in a sustainable manner and contribute to India's GDP.

The Minister also called upon CSIR-IIIM to conduct research and find out which new crops are feasible for cultivation based on the topography of different regions of Jammu and Kashmir.

Dr Jitendra Singh stressed that more and more people need to be engaged in the agri-startup ecosystem. The Minister informed that in the last ten years under the leadership of Prime Minister Modi, the number of start-ups in the country has crossed one-and-a-half lakh mark. He further informed that India's bio-economy is currently valued at over 140 billion from 10 billion a decade ago. The Minister expressed happiness at India being known as a leader in preventive healthcare in the world, thanks to its much recognised vaccine programme which helped save lakhs of lives across the globe during the COVID-19 pandemic.

Discovery of India's First Contraceptive Pill

CSIR-CDRI

03rd February, 2024

The Central Drug Research Institute (CDRI) in Lucknow discovered India's first contraceptive pill, 'Centchroman' or 'Saheli,' which marked a revolutionary advancement. This once-weekly, non-hormonal, non-steroidal oral contraceptive transformed family planning by giving women an easy-to-use approach to preventing unintended pregnancy. Dr. Nitya Anand developed 'Saheli,' the world's first and only contraception of its kind, which provides women with unique birth control options.

Dr. Nitya Anand, former director of the Central Drug Research Institute (CDRI), played a pivotal role in the creation of "Centchroman" or "Saheli". Involved with CDRI since its founding in 1951, he supervised 100 PhD students, authored over 400 research articles, and secured 130 patents. 'Saheli', was introduced by Prime Minister Rajiv Gandhi in 1986. In 2016, it was added to India's National Family Programme, making it the world's first non-steroidal, non-hormonal contraception, demonstrating Dr. Anand's enormous influence on CDRI's scientific legacy.

'Saheli' emerged in the 1960s as a response to India's family planning demands. Dr. Nitya Anand and the CSIR-CDRI team in Lucknow created 'Centchroman' (Ormeloxifene) in 1971, introduced it in 1986, and included it in India's National Family Planning Programme in 2016. This once-weekly oral contraceptive had a quick and reversible contraceptive action that was appropriate for weekly use or immediate post-coital administration. Despite a short half-life in rats, "DL-Centchroman" had a long 168-hour serum half-life in females, indicating safety in nursing mothers and normal child development in method-and-user failure pregnancies. Reports suggested potential applications beyond contraception, with an excellent therapeutic index.

Saheli, India's revolutionary contraceptive pill, is still extremely popular decades after its launch.

Until 1996, over 100,000 women, or about 1100,000 menstrual cycles, utilized Saheli. Its unique need-oriented contraceptive method, which allows for weekly or immediate post-coital usage, ensures exceptional efficacy and rapid reversibility. Saheli's reliability is supported by multicentric trials that reveal normal offspring development and a 120-hour anti-implantation/estrogen antagonistic activity.

Regrettably, Dr. Nitya Anand, the visionary behind 'Saheli,' passed away at 99 in SGPGIMS Lucknow. A recipient of the Padma Shree award, he left behind a significant and enduring legacy. He is survived by his sons Neeraj Nitya Anand and Dr. Naveen Nitya Anand, along with his daughter Dr. Sonia Nitya Anand, who serves as the vice-chancellor of King George's Medical University (KGMU), Dr. Nitya Anand's contributions endure.

In reflecting on her father's legacy, Dr. Sonia Nitya Anand highlighted his role in developing 'Saheli,' emphasizing its revolutionary impact on contraception. 'Saheli' is a source of great pride for India and Lucknow.

JIAR students sign MoU with CSIR-IIIM

CSIR-IIIM

03rd February , 2024

The students of Jammu Institute of Ayurveda and Research, Jammu participated in Hackathon for Start Ups organised by CSIR-Indian Institute of Integrative Medicine, Jammu, where they selected the ideas of few students and started working under the Institute CSIR-IIIM Now after almost one year the students Manik, Harsimran, Akshay, Sunairia and Ishwanku Saraf signed MoU with Institute in the presence of Director, CSIR-IIIM.



“It’s a proud moment for our Institute that our students are now the incubette at CSIR-IIIM and will work under them for their further research,” a JIAR release said.

Nobel laureate and professor at the Department of Chemistry at the University of Copenhagen, Denmark, Prof. Morten Meldal, accompanied by his wife Ms. Phaedria Marie St. Hilaire, Life Science Business Leader, call on Union S&T Minister Dr Jitendra Singh

CSIR-IGIB

02nd February , 2024



Nobel laureate and professor at the Department of Chemistry at the University of Copenhagen, Denmark, Prof. Morten Meldal called on the Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh in New Delhi today and discussed bilateral cooperation in Pharmaceuticals and promotion of chemistry studies among school children.

Awarded jointly the 2022 Nobel Prize in Chemistry for the groundbreaking development of 'Click chemistry and bio-orthogonal chemistry', Prof Meldal was accompanied by his wife Ms. Phaedria Marie St. Hilaire, Life Science Business Leader, DEIB Advocate and Angel Investor.

Pointing out that Denmark has a vibrant biotechnology and pharmaceutical industry and some of the finest world class laboratories, Prof Meldal evinced interest in R&D, academia and business tie ups during his visit to India. Denmark is home to major international pharmaceutical companies such as Novo Nordisk, Lundbeck, LEO Pharma and ALK. Novo Nordisk, alone, holds a 50% share of the global insulin market.

Prof Meldal said Denmark's biotech and pharma cluster has a global reputation for cutting-edge research, particularly in cancer, the central nervous system (CNS), diabetes care and within inflammatory and infectious diseases. The Nordic nation has one of the strongest clusters in the world when it comes to biotech and life science, based on robust public-private partnerships.

Prof Meldal, who delivered lectures at the CSIR-Institute of Genomics and Integrative Biology (CSIR-IGIB), IIT Delhi and Miranda House in the city, said he was very impressed with the work done at the Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Enterprise set up by Department of Biotechnology (DBT).

Welcoming Prof Meldal's interest in India's BT and Pharma Industry, Dr Jitendra Singh said the two countries can engage in any sector in Sciences and proposed a long term plan that could be worked out.

Prof Meldal said experiments are on in Denmark to find an antibacterial and antiviral drug to treat Tuberculosis (TB).

Referring to Prime Minister Shri Narendra Modi's 5-pronged strategy to curb TB consisting of Trace, Test, Track, Treat and use Technology to eliminate tuberculosis from the country, Dr Jitendra Singh there is scope for collaboration in India's National TB Elimination Programme (NTP).

Prof Meldal and Ms. St. Hilaire said they are very keen to start a programme to create awareness about Chemistry in young minds - children between ages 5-15 - with an idea to "catch them young."

Pointing out that CSIR has Mentorship and INSPIRE Fellowship programmes so that students could realise their aptitude, the S&T Minister said bilateral students and researcher exchange programmes can be chalked out.

Dr Jitendra Singh said, India is also looking for technology in renewable energy as the country aims for Net Zero emission targets by 2070.

Prof Meldal said Denmark is home to world-class companies in several industries, with a particular focus on renewable energy. More than 40 years of ambitious energy policies have helped put Denmark in the forefront of "cleantech", and the country has a goal of being completely independent of fossil fuels by 2050.

CM launches CIMAP's herbal gel, farmer app

CSIR-CIMAP

01st February , 2024

CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP) has come up with a farmer's friendly CSIR-Aroma android mobile app, offering solutions to all crop related problems, a herbal skincare product 'Aloe Roma' gel and a souvenir 'Aus Gyana'. The mobile app, herbal product and the souvenir were launched by Chief Minister Yogi Adityanath during annual Kisan Mela which culminated on Wednesday. "Our CSIR-Aroma



android mobile-based app will help farmers to get guidance from experts of CSIR laboratories of the country. For example, they can upload a picture of their crop to learn ways to control weeds, insect infestation and diseases," said CIMAP spokesperson Manoj Semwal. He said that 100% pure aloe vera gel with essential oil named 'Aloe Roma' for skincare and 'Aus Gyanya', a book containing 164 varieties of medicinal and aromatic plants developed by CSIR-CIMAP, were also released

Over 4,000 farmers from 25 districts of Uttar Pradesh and 15 states participated in the kisan mela. More than 250 quintals of menthol mint high-yielding variety 'CIM-Unnati' were distributed to farmers who attended the kisan mela. Besides, 500 women beneficiaries from different self help groups (SHGs) across the country, including Shirdi, Ujjain, Gorakhpur, Lucknow, Gurgaon, Delhi and Varanasi, participated in the Agarbatti demonstration under the 'waste to wealth' initiative of the institute, wherein the flower waste is converted to agarbattis. More than 20 herbal industry representatives from across the country and several entrepreneurs also participated in the event and interacted with the farmers and scientists.

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Lithium Battery Recycling Plant inaugurated at NML Jamshedpur

CSIR-NML

01st February , 2024

In a significant stride towards sustainable technology and resource management, Dr. V.K. Saraswat, Member of NITI Aayog, marked his maiden visit to CSIR-NML by inaugurating the Lithium Battery Recycling Plant. The ceremony took place at the Critical Metal Processing Pilot Scale Facility located at the Nildih Campus. R. Saravanabhavan (NITI Aayog), Dr. N.C. Murmu (Director, CSIR-NML), Dr. Sanjay Kumar, Dr. S. Sivaprasad, Dr. Pratima Meshram, and other key members involved in the battery recycling project graced the event.



Dr. Saraswat commended the efforts put forth by the team and underscored the importance of transforming the plant into a larger capacity facility. He emphasized that such initiatives align with the Atmanirbhar vision, contributing to self-reliance in battery manufacturing, a critical component for the future of sustainable energy solutions.

During his visit to CSIR-NML, Dr. Saraswat engaged with both Young Scientists and Senior Members, expressing his appreciation for the institution's outstanding work in diverse fields, including urban mining, red mud utilization, lithium-ion recycling, and magnesium extraction. He highlighted the pivotal role of scientists in working with critical minerals, metals, and materials to strengthen the Indian economy by reducing dependence on imports.

As the Chairman of the Task Force on Red Mud Recycling at NITI Aayog, Dr. Saraswat inspected various ongoing unit operations at CSIR-NML, including Rotary Kiln, Leaching, and Smelting. He urged the institute to accelerate efforts in rare earth extraction, reinforcing

As the Chairman of the Task Force on Red Mud Recycling at NITI Aayog, Dr. Saraswat inspected various ongoing unit operations at CSIR-NML, including Rotary Kiln, Leaching, and Smelting. He urged the institute to accelerate efforts in rare earth extraction, reinforcing the importance of fast-tracking processes for sustainable resource management.

The Lithium Battery Recycling Plant at CSIR-NML is poised to contribute significantly to India's efforts towards environmentally responsible and resource-efficient technologies. Saraswat's visit and words of encouragement further underscore the institution's commitment to pioneering research and initiatives that align with national objectives and global sustainability goals. The event symbolizes a collaborative journey towards a greener and more self-reliant future in the realm of critical metals and materials.

6 month high-end training prog on cGMP inaugurated at IIIM

CSIR-IIIM

01st February, 2024

IIIM-BioNEST Bioincubation Centre and Quality Management & Instrumentation (QMI) Division of CSIR-Indian Institute of Integrative Medicine, Jammu jointly organized six-month high-end training program on operation of cGMP facility for phyto pharmaceutical drugs manufacturing. The training program on “cGMP Phytopharmaceutical Drug Development & as inaugurated by Dr. Zabeer Ahmed, Director, CSIR-IIIM, Jammu at the conference hall of the institute here today which was attended by BOG members of IIIM-TBI, faculty members and research scholars of CSIR-IIIM.

Dr Zabeer Ahmed, Director, IIIM, while addressing on the occasion, dealt upon the mandate of CSIR- IIIM and threw light on the cGMP facility and discussed the initiatives of CSIR-IIIM in imparting the skill training programs offered by the institute. He added that the six months training program under the cGMP facility will upgrade the skills of the students and make them skilled for Pharma industries. He further discussed the opportunities in the cGMP Herbal Plant Manufacturing Industry and explained how the training will benefit them in their professional lives. On this occasion, the dignitaries present released the training manual.

Vikram Singh, Sr. Controller of Administration also congratulated the trainees and assured them that the institute will provide full support to trainees during their stay. Pertinently cGMP phyto-pharmaceutical facility of IIIM, Jammu is a state-of-the-art facility for extraction, formulation and packaging of the traditional (ISM) herbal medicine formulation. The facility is jointly established with the support of DST, AYUSH and CSIR-IIIM.

Dr. Deepika Singh, Head QMI Division, deliberated on the importance of phyto-pharmaceutical drugs in the coming time and how this six months elaborative training on cGMP will help the trainees in shaping their careers. Er. Anil K Katare , Incharge cGMP division, discussed about the course modules with the trainees. Earlier, while delivering the welcome address, Dr. Saurabh

Saran, I/C IIIM- Technology Business Incubator, briefed them about the mandate and the activities of the institute. He further discussed that this is the first endeavor of the BioNEST incubator wherein a specific and dedicated training program on cGMP phyto-pharma is conceived and developed and he was happy to announce that the ten students of AKS University of Satna, Madhya Pradesh have registered for this program. He encouraged the trainees to take maximum benefits from the training and to make all efforts to achieve their career goals. Prominent among others who attended the inaugural session were Dr. Shashank K Singh, Dr. Suphla Gupta, Dr. Sumit G Gandhi, and Dr. P N Gupta, (All Sr. Principal Scientists), Arun Mansotra, Dr. V P Rahul, Sr. Scientist and Dr. Srinivas Kota, Scientist. Er. Ankush Varma, Coordinator, IIIM-TBI conducted the proceedings of the program and Shefali Chib presented a formal vote of thanks.

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