



Prof. Uday Annapure
Director, ICT Jalna

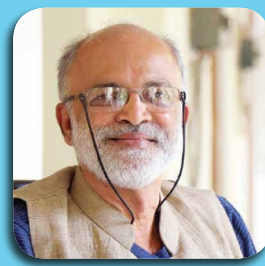


मागजल

Streamlining minds

Volume 5 | Issue 3 | (November 2023 - April 2024) Academic Year 2023-24

MARJ Newsletter



Prof. Aniruddha Pandit
Vice Chancellor, ICT



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Editor in Cheif - **Prof Girish Joshi**

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▲ PRAVAH Fest 2024: A Grand Celebration with Our Esteemed Director and Honored Chief Guests!



▲ Honoring the Legacy of Mahatma Jyotiba Phule



▲ Intensity Peaks at Thrilling Urja Volleyball Semis!

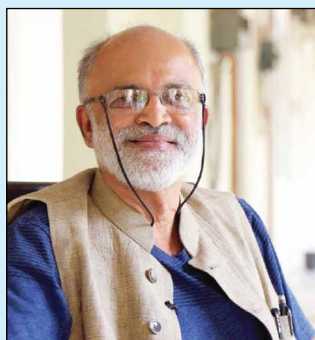


▲ PRAVAH Swings into Full Swing!



▲ Aakriti 1.0 Techfest: Relive the Moments that Defined Innovation!

Encouragement from the Vice Chancellor



The impressive progress of our campus highlights contributions across various academic and extracurricular fields. This is just the beginning, and we anticipate achieving many milestones in both academic and extracurricular activities.



Dear Esteemed Members of the ICT – MARJ Community,

It is an honour to extend my heartfelt greetings to all of you as we reflect on the past achievements and dynamic activities that are continuing to shape our prestigious institution, ICT- MARJ. In recent times, our campus has transformed into a vibrant hub of intellectual discourse, ground breaking research, and holistic development, driven by the unwavering dedication and collaborative efforts of our esteemed faculty, committed staff, and talented students, supported by our local alumni and their industries. As we celebrate significant national and cultural milestones, including Republic Day, National Mathematics Day, and International Women’s Day, we recognize the rich diversity that defines our campus community. These occasions are poignant reminders of the values of unity, inclusivity, and cultural harmony that are at the core values of our country imbibed in this Institution. I am particularly proud of the outstanding success of events such as Nutrition Fiesta 3.0, which not only promote health and wellness but also highlight our commitment to academic excellence and community engagement. These initiatives exemplify our holistic approach to education, where physical and mental well- being is an integral part of the intellectual growth and personal development. Additionally, the academic achievements of our faculty, the successes of our students in extra and co-curricular activities and the innovative contributions of our faculty and PhDs through

the TARA program showcase the relentless pursuit of excellence that defines ICT- MARJ. From pioneering research publications to creative student to led initiatives, each accomplishment reflects our collective commitment to pushing the boundaries of knowledge and making meaningful contributions to industry and society. We are also proud of the success of THINK INDIA ORIENTAION: Bridging Entrepreneurial Ideas and Personal Branding, which provided our students with invaluable insights into entrepreneurship and self-promotion. PRAVAH 2024, along with its associated fests — URJA 3.0, TATVA 1.0, and AAKRITI 1.0 — has been instrumental in fostering sports, culture, and technological innovation among our students, contributing to their overall development.

Furthermore, the ICT Marathwada Blood Donation Drive collecting 60 pints of blood stands as a testament to the spirit of community and compassion within our institution. As we look to the future, let us continue to cultivate a culture of innovative, collaboration, and excellence that defines ICT- MARJ. Together, let us embark on a journey of continued growth and progress, guided by our shared vision of creating a brighter, more sustainable future for generations to come. With sincere appreciation for your unwavering dedication and contributions to our shared values and goals.

Professor A. B. Pandit
Vice Chancellor
ICT Mumbai

From Director's Desk



The impressive progress of our campus highlights contributions across various fields. With this momentum, we are poised to achieve many academic milestones in the future.



Dear Esteemed Readers,

It is my distinct pleasure to communicate with you through the revered platform of Margjal, our treasured college magazine. As we embark on a journey through the milestones and achievements of ICT MARJ, I am filled with a profound sense of pride in the remarkable endeavors of our campus community. At the forefront of our accomplishments are the commendable feats of groundbreaking innovations. Conceived through the relentless dedication and ingenuity of our faculty and students, these innovations stand as testaments to our commitment to pushing the boundaries of knowledge and technological advancement. Equally noteworthy are the outstanding achievements of our students, whose academic excellence has earned them acceptance into prestigious universities worldwide for doctoral studies. Their accomplishments are shining examples of the high-quality education provided at ICT MARJ, instilling a sense of pride and inspiration within our campus community. Furthermore, I am immensely proud of our students who have served as ambassadors during internships, gaining invaluable industrial exposure and representing our institution with exemplary professionalism and dedication. Throughout the academic year, our campus has been alive with a multitude of activities and events, each carefully designed to foster

holistic development and a vibrant campus culture. Cultural celebrations and festivals that showcase the rich diversity of our community have played a crucial role in shaping the ICT MARJ experience. Of particular note is the resounding success of Pravah, a comprehensive initiative aimed at promoting technological innovation, sports, and creativity among our students. Pravah featured three fests, namely AAKRITI 1.0, TATVA, and URJA 3.0. Additionally, NUTRIFIESTA has been instrumental in promoting a holistic approach to nutrition and mental health among our students, emphasizing the importance of well-being in academic and personal success. We also take pride in the ICT Marathwada Blood Donation Drive, a collective effort that demonstrated the spirit of community and compassion within our institution. Moreover, the Chemtech World Expo 2024 was a transformative experience for our students, providing them with invaluable insights into the latest advancements in the chemical technology sector. As we celebrate these achievements and milestones, I am filled with a sense of optimism and excitement for the future of ICT MARJ. Together, let us continue to strive for excellence in all endeavors and make meaningful contributions to society and beyond.

Warm regards,

Prof (Dr) Uday Annapure
ICT MARJ Director



A Note of Appreciation from the Editor of Margjal



The contributions of students, faculty, and staff have been crucial to our campus's growth, providing a comprehensive education and advancing careers at ICT Jalna.



Dear Esteemed Readers,

As the editor of Margjal, I am honored to address you. It is with profound gratitude that I extend my sincere thanks for your unwavering support and engagement with our publication. Margjal serves as a conduit for the exchange of knowledge, ideas, and perspectives from our dynamic community. With each edition, we strive to inspire, educate, and provoke thought, nurturing a culture of intellectual curiosity and dialogue. In reflecting on the creation of each issue, I am reminded of the countless hours spent reminiscing about our campus days—from the pressures of academic pursuits to the joy of participating in events and fests. Our aim is to encapsulate these treasured moments within the pages of Margjal, ensuring that each article, and photograph embodies the essence of our shared experiences. I wish to extend my sincere appreciation to our contributors,

whose insightful articles and creative contributions enhance our magazine. From thought-provoking analyses to heartfelt reflections, your commitment to sharing your expertise and experiences is invaluable and greatly appreciated. To our readers, thank you for your enthusiasm and feedback. Your engagement drives our pursuit of excellence and inspires us to reach new heights. Whether you are a student, faculty member, or alumnus, your support is the foundation of Margjal's success. As we move forward, I encourage you to stay engaged with Margjal, share your thoughts and ideas, and continue to be an integral part of our journey. Together, let us celebrate the richness of our experiences and the power of storytelling to unite us all. Thank you for being an essential part of the Margjal community. Your support inspires us to push the boundaries of creativity and innovation with each new issue.

Prof Girish Joshi
Chief Editor



ACADEMIC VENTURE

Welcome once again to the new issue of “MargJal,” the vibrant literary canvas of ICT MarJ College. This time drawing inspiration from the timeless wisdom of Maya Angelou, we recognize that the true purpose of education extends beyond mere information exchange; it is a transformative journey that empowers the mind, nourishes the soul, and instills a lifelong passion for critical thinking and ethical leadership.

Maya Angelou once said, “Do the best you can until you know better. Then when you know better, do better.” At ICT MarJ College, “MargJal” embodies this guiding principle, serving as a platform for our community to learn, grow, and excel as scholars and compassionate individuals.

Within the pages of “MargJal,” you will encounter a rich tapestry of voices, each contributing their unique narratives, insights, and talents that define

our college community. From enlightening essays to stunning artwork, from thought-provoking interviews to inspiring stories of perseverance and innovation, our magazine captures the vibrant intellectual and creative spirit that thrives at ICT MarJ College.

Join us on this literary journey as we celebrate the diversity of ideas, the depth of scholarship, and the transformative power of education. “MargJal” invites you to explore the heart of our college community, where every page stands as a testament to the pursuit of knowledge, the cultivation of character, and the endless possibilities that await us.

Welcome to “MargJal,” where intellect soars, imagination flourishes, and the spirit of inquiry lights the way to a brighter tomorrow.

REJOICINGS

CHEMTECH – WORLD EXPO (4th March- 6th March, 2024)

The 50th edition of Chemtech World Expo held from March 4-7, 2024, at the Bombay Exhibition Centre, Goregaon (East), Mumbai, marked a significant milestone in the realm of Chemicals, Petrochemicals, Biopharma, and Process Industry in India. As a student of the Institute of Chemical Technology, being part of this grand event provided an unparalleled learning experience and exposure to the cutting-edge advancements in the industry.

The expo brought together stakeholders from various sectors such as Chemicals, Process Plant Equipment & Technology, Refining

Petrochemicals, BioPharma, Industry Automation & Process control, Water & Environment Services, Surface Engineering & Corrosion Control, Lab Analytics, and allied sectors. This convergence of diverse sectors provided a holistic view of the industry’s ecosystem, from production to environmental sustainability and technological innovations. The presence of participating companies like Aditya Birla Chemicals, Reliance Industries, Godrej, Petrofac, Indian Oil, BPCL, and others glorified the event.

One of the highlights of the event was the Student Outreach Program, which offered a unique



platform for aspiring young minds to interact with industry leaders and stalwarts. The program included Icon lectures, where industry leaders shared their insights and experiences, guiding students towards becoming future leaders in the energy industry.

The Innovation Pavilion was another significant aspect that allowed students to develop innovative solutions for real-time industrial problems under the mentorship of experienced professionals. This hands-on experience not only enhanced their problem-solving skills but also provided them with a practical understanding of industry challenges. Notably, our Vice Chancellor, Dr. A.B. Pandit, served as the Jury Head, further emphasizing the importance of innovation and practical problem-solving in the chemical industry.

The Technical Paper Presentation segment provided a stage for students to present their original research to a panel of eminent academicians and veteran researchers. This opportunity not only encouraged academic excellence but also fostered a culture of research and innovation among students.

Furthermore, the Internship Program offered insights into the core industry, which will allow students to understand the challenges and opportunities firsthand and will help them identify the skill sets required to excel in industries ranging from Petrochemicals to Pharmaceuticals. One of the most valuable aspects of the expo was the opportunity for students to witness and interact with various equipment used in chemical industries. From reactors to distillation columns, students gained a practical overview of industrial processes, enhancing their understanding beyond theoretical knowledge.

As the principal institute partner, our college played a pivotal role in facilitating this enriching experience for students. The expo not only broadened our horizons but also inspired us to aspire for excellence and contribute meaningfully to the chemical industry.

The Chemtech World Expo 2024 was a transformative experience for students, providing them with invaluable insights, networking opportunities, and a glimpse into the future of the chemical industry.

COMMEMORATIONS OF GREAT PERSONALITIES: A TRIBUTE TO LEGACY AND INSPIRATION



In a fervent celebration of the lives and legacies of eminent figures, Dr. Kapil Sagrolkar, the Activity Incharge, orchestrated a series of events marking the birth and death anniversaries of great personalities. The college premises resonated with reverence and admiration as the community paid homage to the illustrious individuals who have left an indelible mark on society. Among those honored were Sri Sant Santaji Jagnade, Guru Nanak Jayanti, Savitribai Phule, Rajmata Jijau Saheb, and Swami Vivekananda, embodying the spirit of enlightenment and social upliftment. The festivities also included remembrances of Guru Gobind Singh Jayanti, Balasaheb Thakre, and Netaji Subhas Chandra Bose, symbolizing courage, leadership, and patriotism. Sant Gadge Baba and Ravidas Maharaj Jayanti, Yashwantrao Chavan Jayanti, and Shaheed Diwas served as poignant reminders of the sacrifices made for societal welfare and national progress.

Furthermore, the occasion celebrated the invaluable contributions of Mahatma Jyotiba Phule and Dr. Babasaheb Ambedkar, stalwarts of social justice and equality, whose ideologies continue to shape the ethos of our society. Through these commemorations, the college community not only paid tribute to the remarkable achievements of these luminaries but also reaffirmed their commitment to upholding the values they espoused. It served as a poignant reminder of the rich tapestry of our history and the responsibility we bear to carry forward their noble ideals. In honoring these great personalities, Dr. U.S. Annapure and Dr. Kapil Sagrolkar and the college administration have fostered a culture of reverence, reflection, and inspiration. Such events not only enrich the academic environment but also instill in students a sense of gratitude and responsibility towards their society and nation.



DR. RAJESH NAMBIAR'S GUEST LECTURER, IOCL (14th December 2023)

Dr. Rajesh Nambiar, the Chief General Manager of Technical Services IOCL Head office Mumbai interacted with the students of ICT, Marj on 16th December 2024. The interaction was based on Oil Refining and Lubricants and the blooming career opportunities in Oil PSUs.

One of the key focuses of the session revolved around the issue of motor engine oil waste and the resulting pollution caused by its reckless burning, whether by local sellers or large-scale companies. A thought-provoking discussion ensued between the students and Dr. Nambiar on various industrial challenges that could be depleting resources, along with brainstorming potential solutions.

Nevertheless an insightful discussion on fuel management and sustainability. As the world

grapples with environmental challenges, the importance of sustainable practices in the oil industry cannot be overstated. Dr. Nambiar's perspective on this crucial issue is bound to provide valuable insights and inspire actionable solutions.

Moreover, attendees gained valuable insights into career opportunities within oil PSUs. With Dr. Nambiar's guidance, aspiring professionals procured a deeper understanding of the diverse roles and responsibilities available in this dynamic sector. Whether you're a student exploring career options or a seasoned professional looking to make a transition, this session offered invaluable insights and guidance. Heartfelt gratitude to the college for arranging such sessions for the students that helps them grow mentally.

NATIONAL MATHEMATIC'S DAY (22nd December 2023)

ICT Marj celebrated National Mathematics Day on the occasion of the birth anniversary of the legendary mathematician, Sir Srinivas Ramanujan.

The event unfolded in the MARJ auditorium; more than 20 series of enthralling guest lectures awaited eager attendees. Dr. Ramakrishna Bandi, hailing from IIIT Naya Raipur, kickstarted the proceedings with his enlightening discourse titled "LCD Codes as a Countermeasure to side-channel attacks," showcasing the practical application of Number Theory. Following suit, Dr. Sagar Gokhale, an esteemed ICT alumnus from the BPT department, took the stage to delve into "Astronomy and ancient Indian Mathematics."

The lectures, spanning from 1040 to 1230 hours, provided a captivating journey into the

fascinating world of mathematics. Dr. Bandi, an Assistant Professor in Mathematics, drew upon his rich academic background, including a Ph.D. from IIT Roorkee and a postdoctoral fellowship at the Department of Electrical Engineering, IIT Bombay. The event was a resounding success, with members of the ICT MARJ family enthusiastically participating in the intellectual feast. It underscored the college's unwavering commitment to promoting mathematical literacy and honoring the legacy of mathematical luminaries. Gratitude is extended to all participants for their active involvement, making the celebration of National Mathematics Day a memorable and enriching experience.



ICT MARJ CELEBRATED VIKSIT BHARAT LAUNCH IN AUDITORIUM (11th December 2023)

ICT MARJ buzzed with excitement as it celebrated the grand launch of Viksit Bharat in the auditorium. The event showcased innovative solutions for advancing India's development goals. Dignitaries and students alike gathered to witness the unveiling of this transformative initiative. The launch featured insightful talks

and presentations, highlighting the potential for technological innovation to drive progress. Attendees left inspired and eager to contribute to building a brighter future for the nation. The event marked a significant step forward in ICT MARJ's commitment to fostering innovation and societal impact.

NUTRIFIESTA (November 2023)

Poster presentation:

The "NutriToon" Poster Making Competition, held from September 22nd to 29th, 2023, by the college magazine, aimed to promote dietary awareness among students. With themes like "PhytoCal" focusing on plant-based nutrition and "Powerpuff Foods" emphasizing superfoods, students creatively depicted the importance of healthy eating. "Itchie Itch" addressed food allergens, "Sugar 'n' Weak" highlighted hidden sugars, and "Chew with Awareness" stressed mindful eating. Enthusiastic participation from B. Tech and M. Tech students across disciplines showcased their dedication to promoting nutrition education. The event served as a platform for meaningful discussions and activities, fostering awareness about nutrition and well-being. Selected posters and winning entries were displayed at the Nutrition Carnival, guiding students towards healthier dietary habits. NutriToon effectively engaged the college community in promoting a culture of health and nutrition.

Nutri buzz:

The "Nutri Buzz" event, held from September 17th to 24th, 2023, provided a platform for students from various academic backgrounds to test their

knowledge and skills in food and nutrition. Comprising three rounds, including "Nutri Quiz" for trivia, "Guess it Right" for food identification, and "Hear to Solve" for problem-solving, the event engaged participants in a challenging and stimulating competition. With a total of 100 participants from across the country, Nutri Buzz aimed to foster a culture of learning and expertise in the field of nutrition.

Nutritex:

The "NutriTex" nutritional talk series, held from September 3rd to 23rd, featured three insightful talks aimed at promoting a holistic approach to a healthy lifestyle. Dr. Sangeeta Mutreja, an Ayurvedic consultant and nutritionist, emphasized Ayurvedic principles for lifelong nutrition on September 21st. Sanjeeta Krishna Kumar, founder of Ogmo Foods, delved into the nutritional benefits of millets on September 25th. Finally, on October 2nd, Dr. Zubeda Tumbi, a clinical nutritionist, discussed the link between nutrition and mental health. The event aimed to educate attendees on physical, mental, and emotional well-being through expert insights and interactive sessions, fostering a culture of holistic health.



Guilt free Feast:

The “Guilt-Free Feast” recipe formulation contest encouraged participants to showcase their culinary creativity while emphasizing nutritional awareness. With themes like “Shree Anna,” participants crafted street food recipes using millets, and “Tadka Mana Hain,” they prepared dishes without visible fats. Held from September 19th to 25th, the event challenged participants to innovate while considering nutritional aspects. Entries included recipes, procedure details, selfies with the final product, and short videos demonstrating the cooking process. The contest aimed to promote healthy cooking practices and proper utilization of ingredients, fostering a culture of guilt-free indulgence in culinary delights.

Diet clinic:

In 2023, ICT MarJ campus students continued their initiative to promote awareness about nutritious diets among the Jalna community. The event, held from September 20th to 22nd, featured a “Diet Clinic” stall where individuals received personalized diet charts. By considering

factors like weight, height, medical history, and food preferences, students crafted tailored diet plans using locally available ingredients. The aim remained consistent: to advocate for balanced nutrition tailored to individual needs. Amidst modern lifestyle challenges, the importance of wholesome eating was emphasized to mitigate health issues like obesity and vitamin deficiencies. The Diet Clinic aimed to empower individuals to make informed dietary choices for better well-being.

FlavorFinesse Championships:

The FlavorFinesse Championships, held on September 21st, featured three exciting rounds: Palate Test, Sniff Test, and Tug of Tongue. Participants engaged in a battle of senses, showcasing their refined abilities to identify food flavors. The competition provided a dynamic and interesting platform for participants to demonstrate their sensory acuity and evolve through various tests. Through the FlavorFinesse Championships, participants honed their skills in discerning flavors, making it an engaging and enriching experience for all involved.

THINK INDIA ORIENTATION: BRIDGING ENTREPRENEURIAL IDEAS AND PERSONAL BRANDING (3rd February 2024)

The Institute of Chemical Technology, Marathwada Campus, Jalna, played host to an enlightening event as Think India orchestrated an orientation centered around the theme “Bridging Entrepreneurial Ideas and Personal Branding.” The event commenced with an engaging Opening Session, where we were introduced to the mission

of Think India.

Ms. Akansha Warade captivated the audience with her keynote address on “Navigating the Intersection: Entrepreneurship and Socialism,” shedding light on the profound impact of Think India in fostering stimulating discussions across college campuses nationwide.



Dr. Satyajee Rathi, an esteemed Assistant Professor, took the stage next, delving into the realm of “Entrepreneurship Development & Opportunity.” His insights into how entrepreneurship can address societal challenges sparked lively conversations, with attendees eagerly participating in a thought-provoking Q&A session.

Setting the stage for the next session led by Mr. Ashish Garde, founder and director of Marathwada Accelerator for Growth and Incubation Council (MAGIC). Mr. Garde’s elucidation on “Innovation and Personal Branding” left a lasting impression, highlighting MAGIC’s transformative impact on the Marathwada region and underscoring the

importance of skill-building initiatives.

The agenda unfolded further with a group discussion on “Challenges and Opportunities in Socially Responsible Entrepreneurship,” where a distinguished panel shared invaluable insights. Throughout the event, Think India showcased its diverse programs and initiatives aimed at fostering entrepreneurship and driving positive social change, inspiring attendees to harness their potential for impactful contributions.

Heartiest gratitude to the campus representative Tejas Jairange and the host Shreya Bhardwaj, along with professor incharge Dr. Navnath Hatvate to make it a grand start to more such enthusiastic programmes with Think India.



INTERNATIONAL WOMEN'S DAY (Celebrated on 16th March 2024)

The vibrant celebration of International Women's Day at our institute was a testament to the remarkable achievements and contributions of women in academia.

The presence of Chief Guest Mr. Dnyaneshwar Pitale and Director Prof. Uday Annapure added significance, emphasizing our commitment to recognizing and honoring women's achievements. The event commenced with a heartfelt appreciation for our esteemed faculty members who embody dedication and excellence in their respective fields. Dr. Joyita Sarkar, Dr. Sandhya Shewale, Dr. Kajal Mishra, and Ms. Namita Karna were honored for their invaluable guidance and mentorship, inspiring students to reach new heights.

Acknowledging the crucial role of non-teaching staff, Mrs. Neha Vyas, Mrs. Ambika Gudewar, and Mrs. Hashana Nirmal were recognized for their

efficiency and kindness, which form the backbone of our administrative support system.

The event then shifted focus to felicitating outstanding students whose achievements reflect their hard work and determination. Gauri Ladda, Tanisha Patni, Swapnali Parit, Aiyshwaryalakshmi, Janhavi Kailaje, Komal Dhanke, Harini Rao, and Aditi Pashte were celebrated for their accomplishments, ranging from placements at prestigious companies to winning accolades in national and international competitions.

The International Women's Day celebration encapsulated the spirit of empowerment, resilience, and excellence that defines our institute. It was a day of inspiration and recognition, highlighting the collective journey toward progress and empowerment in academia and beyond.

PRAVAH 2024 (24th to 31st January 2024)

URJA 3.0

It's the start of yet another season of URJA 3.0 at the Institute of Chemical Technology Marathwada Jalna Campus, MUMBAI. In the vibrant tapestry of college life, sports play a pivotal role in fostering teamwork, discipline, and a healthy competitive spirit. Recently, our college witnessed a spectacular sports event that united students from diverse backgrounds, uniting them under the banner of athletic prowess and sportsmanship.

The event commenced with an electrifying opening ceremony, marked by the parade of teams adorned in their distinctive jerseys. The atmosphere was charged with enthusiasm as students, faculty, and

staff gathered to cheer for their favourite teams, creating an ambiance of unity and excitement.

The sports extravaganza featured a myriad of events catering to a range of interests and talents. From the thunderous roars at the football field to the swift movements on the badminton court, every moment was a testament to the dedication and passion of our college athletes. Track and field events, table tennis clashes, and intense volleyball matches kept the audience on the edge of their seats.

In the academic year of 2023-24, the Institute of Chemical Technology (ICT) bore witness to an array of captivating and competitive sports events headed by Dr. Manoj Jadhao sir, which

showcased the exceptional athletic prowess and sportsmanship of our students. The campus came alive with the spirit of sports as participants engaged in various disciplines, contributing to the vibrant and dynamic atmosphere that defines our institution. From adrenaline-pumping matches to displays of skill and teamwork, the sporting events held at ICT during this academic year left an indelible mark on the collective memory of our student body. Following diverse range of sports that unfolded within the hallowed grounds of ICT during this memorable year.

Indoor Sports	Outdoor Sports
Carrrom	Cricket
Chess	Football
Table tennis	Kabaddi
	Kho-Kho
	Badminton
	Volleyball



Third-Year Girls Triumph at URJA 3.0 Table Tennis



Queens of the pitch: URJA 3.0 Cricket Finals

Girls Badminton witnessed Anushka Giramkar and Yogita Patel from the 1st year clinching the



Intense Moments at the URJA 3.0 Chess Finals title, displaying remarkable skill. In Girls TT, Sakshi Kataruka emerged victorious in a fierce battle against Shreya Bhardwaj. M.Tech claimed the Girls Cricket championship, and 1A secured the Girls Volleyball crown. Pratyusha Chaudhary, the MVP, stood out for her exceptional contributions.

The Boys Indoor Sports events were a showcase of skill and determination. Abhishek Ighare and Aditya Deshpande claimed the Badminton title, while Dev Patra triumphed in both TT and Chess.



Smashing their way to victory! Congratulations to the URJA 3.0 badminton champions!

In Carrrom, Chirayu-Chirag outplayed Vijendra-Tanmay in a thrilling contest. The Outdoor Sports arena witnessed spectacular performances, with 5C emerging victorious in Football, 2A dominating Volleyball and Kabbadi, and 1A showcasing their prowess in Kho-Kho.

MVPs and Ambassadors:

Rohan Thota, Pratik Rajput, and Tulsiram

Kshirsagar earned MVP honors in Football, Volleyball, and Kabbadi, respectively. The ICT Ambassador Award rightfully went to Prashant Munde, a Ph.D. scholar whose dedication to supporting various college activities is commendable. The cricket finale between 5A and ICT superkings (comprising teaching, non-teaching, and Ph.D. participants) was a nail-biting affair. Both teams displayed remarkable sportsmanship, showcasing the true spirit of the game.

In the world of college sports, Prashant Munde's name resonates as a guiding force. His unwavering support across sports, cultural, technical, and educational activities earned him the ICT Ambassador Award, a testament to his invaluable contributions.

URJA 2024 was more than just a sports event; it was a celebration of talent, teamwork, and sportsman-



Final Year Students Clinch General Championship Victory URJA 3.0

ship. The resilience, passion, and unity displayed by participants underscored the importance of sports in shaping well-rounded individuals. As we look back on URJA 2024, the memories created on the fields and courts will serve as a reminder of the indomitable spirit that defines our college community.

TATVA 1.0: The closing ceremony of Pravah!



An enthralling Powada performance by our talented artists.

The evening commenced with a warm welcome from the hosts, Anju Jha and Garima Khotkar, who greeted the distinguished guests, esteemed faculty, dedicated staff, and enthusiastic students. The lighting of the lamp, a symbol of enlightenment and knowledge, was performed by the honored guests: Smt. Chhaya Pawar (Tahsildar, Jalna), Mr. Nitin Kabra (Director, Polaad Steel), and Mr. Piyush Aggarwal (Founder and Chairperson,



From professor to star performer! Lokesh Ramteke sir wows with his karaoke talent.

Arthsadhna Foundation).

The "Vidyapeeth Geet" resonated through the hall, embodying the shared values and commitment of the institute. This was followed by the welcome address from Prof. Uday S. Annapure, Director of ICT MARJ, who highlighted the institution's



achievements and vision for the future. The speeches by the chief guest and guests of honor were inspiring and insightful. Smt. Chhaya Pawar shared her wisdom and experiences, emphasizing the importance of education and community service. Mr. Piyush Aggarwal spoke passionately about creating a sustainable and inclusive society, while Mr. Nitin Kabra discussed his journey and achievements, motivating students to strive for excellence.

Prize Distribution-

The prize distribution ceremony recognized the outstanding achievements of students in various academic and extracurricular activities. This acknowledgment not only celebrated individual successes but also encouraged others to aim high and work hard. Tatva 2024, the cultural fest at the Institute of Chemical Technology, Marathwada Campus, Jalna, was an unforgettable celebration of diversity, tradition, and artistic expression. Over two vibrant days, the event brought together students, faculty, and renowned artists to showcase the rich tapestry of our cultural heritage.

The fest began with an electrifying atmosphere, marked by colorful decorations, thematic backdrops, and a palpable sense of excitement in the air. The inauguration set the stage for a series of mesmerizing performances that captivated the audience. One of the standout features of Tatva 2024 was the state cultural dances that transported the audience to different regions of



India. The Maharashtrian Lavani, performed by first-year girls, was a burst of energy and color. Their vibrant costumes and dynamic moves captivated everyone, embodying the spirit and passion of Maharashtra. Following this, the dance from West Bengal enchanted the crowd with its graceful display of traditional rhythms and movements. The elegance and precision of their performance left a lasting impression on all present. The Rajasthan Ghoomar, performed by Shreya, Mrunal, Kashish, Vinal, Prachi, and Shravani, was another fest highlight. The dancers twirled in unison, their colorful skirts creating a mesmerizing visual spectacle. The precision and grace of their movements left the audience in awe, showcasing the cultural richness of Rajasthan. Next, Sahil Sharma led the Punjab Bhangra performance, which brought a burst of energy to the stage. The lively beats and vigorous dance steps had everyone clapping along, embodying the festive spirit of Punjab. This performance was a true reflection of the region's zest for life and exuberant celebrations. Tatva 2024 also featured captivating poetry sessions. Anju Jha's humorous poems had the audience in splits, providing a delightful interlude between the dance performances. Her witty verses and engaging delivery made her performance a memorable highlight of the fest. Following Anju, Manish, an MTech student, presented a thought-provoking poetry session that resonated deeply with the audience. His powerful words and emotive



delivery drew a profound connection with the listeners, showcasing the depth of talent within our college.

Core members Ketaki (event head), Mrudul, Omkar Muley, Rutuja, Aditi, Vinal, Aniket, and Tanishq, along with the media and digital support provided by Prasanna, played a crucial role in the successful execution of this grand event. Classical music was another significant highlight, with performances by Omkar, Mrudul, and Ritesh. Their melodious renditions of classical pieces created an atmosphere of serenity and introspection, transporting the audience to a realm of musical bliss. The MTech second-year students, Sulakshmi, Neha, and Shrushti, delivered a stunning dance performance that blended contemporary and classical styles. Their synchronization and creativity were truly impressive, reflecting the dedication and hard work they put into their act.

The dynamic group dance performance by Aditi, Ester, and Shatakshi was a vibrant mix of traditional and modern dance forms. Their dynamic choreography and infectious energy captivated the audience, making it one of the most talked-about performances of the fest. The group singing by fifth-year IMTech students was a melodious journey through various musical genres. Their harmonious voices and well-chosen repertoire delighted the audience, showcasing the musical talents within our institution.



Adding a historical dimension to the fest, a group performed Powada, a traditional Marathi ballad that narrates heroic tales. This powerful performance highlighted the valor and cultural richness of Maharashtra, performed by Debsmit Ganda, Sahil Shethe, Aniket Sathe, Ajinkya Taur, Prasanna Kulkarni, Om Tathe, Purva Yannwar, Anushka Giramakar, Avanti Digambar, Shrawani Yaiwade, Sayali Dhotre, and Revati Gundwar. Faculty member Lokesh Ramteke entertained the audience with a lively karaoke session. His spirited singing and engaging stage presence made for a delightful experience, bringing smiles to everyone present. Tatva 2024 was more than just a cultural fest; it was a celebration of our shared heritage and artistic spirit. The event provided a platform for students to express their creativity, connect with their roots, and celebrate the diversity that makes our college unique. The success of Tatva 2024 is a testament to the talent, dedication, and unity of our college community. We look forward to continuing this tradition and celebrating the essence of culture for many years to come.

AAKRITI 1.0



Ready, set, solve! Participants dive into the Cyber Chem problem statements

Welcome to the dawn of innovation and technology at AAKRITI, the inaugural Technical Fest hosted by the emerging campus in Jalna of the prestigious Institute of Chemical Technology (ICT) Mumbai. Held in January 2024, AAKRITI marked a ground breaking journey, bringing together the brightest minds, cutting-edge technologies, and a platform to explore the limitless possibilities of the tech world. AAKRITI promised and delivered a trailblazing experience, redefining the landscape of technical festivals with a unique blend of knowledge, creativity, and hands-on engagement.

The event was spearheaded by Jai Vengurlekar,



Climb the ladders and dodge the snakes! Exciting times at Aakriti Techfest's



Embracing victory! Memorable moments from the prize distribution

the Event Head, alongside Deputy Event Head Tushar Warjurkar. Their leadership ensured the seamless execution of various activities, including the flagship event, IDP-TECH. This event bridged the gap between industry and academia by offering industry-friendly solutions to real-world problems provided by industry leaders.



Savoring the flavors of competition! Food Sense heats up



Participants, such as Rohit Pansare from the Events and Competitions team, showcased their technical expertise to devise innovative solutions, scrutinized by expert industry professionals. In the Creative domain, Pratik Mali, Anju Jha, and Shruti Dighe led efforts to foster innovation and artistic expression. Marketing was driven by Aysuh Gulhane, Atharva Waghmare, and Garima Khotkar, who successfully highlighted the fest's vibrancy and technical prowess. The Web team, consisting of Dev Patra and Piyush Jadhav, ensured a robust online presence, crucial for engaging a broader audience. One of the standout events, CyberChem, tested coding proficiency and technical insight. Mrunmay Joshi emerged as



Exploring the frontiers of technology and creativity at Aakriti Techfest



Leaders in action! The core team of Aakriti Techfest

the winner, with Varun Patil and Tanishq Prasad securing the second and third spots respectively. FLASH 180 provided a unique platform for participants like Fatima H, Atharva Karthik Chandrashekhar, and Vasudha V Patil to showcase their enriching internship experiences through concise presentations. The Chemical Sciences Quiz, known as KYC, saw participants evaluated on their comprehensive knowledge of various chemistry disciplines. In the PolyMaster event, participants, including Dev Patra who won first place and Sanket Maurya who secured the third position, presented innovative recycling ideas. In addition to these events, the fest included The Food Sensory Test Competition, where culinary skills were put to the test, with Sulakshmi Shete taking the top spot. Pharmatopeia, led by winners like Khushbu Bagul and Dev Patra, tested participants' pharmaceutical knowledge.

The Seed Tank event inspired by Shark Tank provided a platform for tech and agriculture startups to pitch their ideas for funding and mentorship. Recreation Rumble celebrated creative expression through dynamic model exhibitions, recognizing talents like Aniket Sathe and Sumedh Nitnaware. TechMusic blended technology and art, with Rutuja Ukhade emerging as the winner for crafting engaging reels. Periodic



From concept to creation. Aakriti 1.0 trailer captures the essence of innovation

Table Bingo made learning about elements engaging, while CHEMS BOND offered an exhilarating online detective hunt.

Volunteers, including Vaibhavi Kadam, Esther Nikalje, and Sanket Maurya, played a crucial role in the fest's success, alongside PG Representative Varad Kadre from the MTECH 1st Year Food Tech. AAKRITI 2024 successfully blended innovation, creativity, and technical expertise, making it a memorable and impactful event for all involved. The fest not only showcased the talents of participants but also fostered collaboration and problem-solving across various disciplines, truly celebrating the spirit of innovation.

REPUBLIC DAY (26th January 2024)



Celebration of 75th Republic Day on 26 January 2024 at Institute of Chemical Technology Mumbai Marthwada campus, Jalna On January 26, 2024, the Institute of Chemical Technology (ICT), Marathwada Campus, Jalna, celebrated

the 75th Republic. Students, faculty, and staff gathered for the event at the New Building Foyer. The ceremony began with the National Flag unfurling by the campus Director, Prof. Uday Annapure, followed by the National Anthem. The community then joined in singing the University Song. Prof. Annapure's address highlighted the significance of Republic Day and inspired the audience to uphold the Constitution's values. Students delivered speeches and poetry recitations, celebrating India's rich heritage and honoring freedom fighters. Dr. Parag Nemade, Deputy Director, gave the Vote of Thanks, expressing gratitude to participants and organizers. The event concluded with "Vande Mataram" and the distribution of sweets, symbolizing unity and joy. The 75th Republic Day at ICT Marathwada Campus was memorable, reinforcing the community's dedication to national progress and unity.

District Investment Summit “Growth Gateway” (15th March 2024)



The District Investment Summit “Growth Gateway,” organized by the Directorate of Industries, Government of Maharashtra, was held at the Institute of Chemical Technology, Marathwada Campus, Jalna. The event was spearheaded by B.T. Yashwante, Joint Director of Industries, and Ajinkya Ajagekar, General Manager of the District Industries Centre Jalna. This summit aimed to foster economic development and attract investments to the Jalna district, bringing together industry leaders, government officials, entrepreneurs, and investors. The primary objectives of the summit were to showcase investment opportunities in Jalna, facilitate networking among stakeholders, discuss strategies for economic and industrial growth, and provide a platform for sharing best practices and innovative solutions. Keynote speakers included B.T. Yashwante, who highlighted the government’s initiatives to support industrial growth, and Ajinkya Ajagekar, who provided

insights into the district’s industrial landscape. Representatives from various industries, potential investors, and academicians from the Institute of Chemical Technology also participated. In conclusion, the District Investment Summit “Growth Gateway” successfully highlighted Jalna’s potential as a hub for investment and industrial growth. The collaborative efforts of the Directorate of Industries and key stakeholders have paved the way for substantial economic development in the district. The positive response from investors and the fruitful discussions held during the summit are expected to translate into significant investments and job creation, driving Jalna towards a prosperous future.

ICT Marathwada Blood Donation Drive: A Collective Effort (15th April 2024)



On April 15th, the ICT Marathwada campus hosted a highly successful blood donation camp, drawing a significant number of volunteers from the faculty, staff, and student body. The event, aimed at addressing the critical need for blood donations, was organized. From early morning, the campus buzzed with activity as volunteers set up registration desks, medical equipment, and donation beds. The atmosphere was one of camaraderie and collective purpose, with participants keen to contribute to the lifesaving cause. Faculty members and staff were among the first to step forward, setting an inspiring example for the students. Their participation underscored the importance of such initiatives and motivated many students to join in. Throughout the day, a steady stream of donors ensured that the camp ran smoothly. Trained medical professionals conducted thorough health screenings to ensure the safety of all donors, and the actual blood donation process was handled with utmost care. Refreshments and rest areas were provided to help donors recover post-donation, ensuring



their well-being was prioritized. The camp not only succeeded in collecting a substantial amount of blood but also in fostering a spirit of community and social responsibility among the ICT Marathwada family. Many first-time donors expressed their satisfaction and pride in being able to contribute to such a noble cause. Overall, the blood donation camp was a resounding success, demonstrating the power of collective effort and the impact of giving back to the community. The participation of faculty, staff, and students alike highlighted the shared values of empathy and responsibility that are deeply ingrained in the ICT Marathwada ethos.



THINK INDIA: GUEST TALK (19th April 2024)

At the Think India Jalna's second guest talk, Vineet Peety and Milind Pohnerkar provided valuable insights into regional industrial growth and effective strategies for startup funding and personal branding. Vineet, is th Yi CSN Chapter Chair, MD SRJ and he discussed the robust growth of the steel industry in Marathwada, emphasizing Jalna's strategic location and trading status, predicting it could become one of the most influential cities in India with targeted investments and supportive policies. He highlighted factors such as logistics, skilled workforce, and innovation as key to Jalna's growth.

Milind, who is currently an active Entrepreneurship consultant focused on the importance of personal branding for entrepreneurs, advising them to establish expertise through social media and

public engagements. He detailed funding options available through Government of India initiatives and MSME schemes, emphasizing the need for compliance with regulatory requirements and the utilization of programs like CGTMSE and Startup India.

The event offered a comprehensive view of Jalna's potential as an industrial hub and practical advice for securing funds and building successful ventures. Events like these encourage students to explore themselves and be open to the world of experimental errors. Heartfelt gratitude to Dr. Navnath Hatvate and Dr. Atul Bari for conducting such inspiring talks. Thanks to Garima Thole, who hosted this talk and Tejas Jairange, Khushwant Singh Rajput and Atharva Nilkanth for the overall co-ordination.

FACULTY ACHIEVEMENTS

DR. U.S. ANNAPURE

Recently appointed as,
Adjunct Professor and Member of Academia Council at Dr Babasaheb Ambedkar Marathwada University, Sambhaji Nagar.

Publications- International

1. Kahar, Suraj, Shelar, Ashutosh, and Annapure, Uday(2024) Effect of pin-to-plate atmospheric cold plasma (ACP) on microbial load and physicochemical properties in cinnamon, black pepper, and fennel. Food Research International. Vol.177, pp.113920.
2. Adsare, Sachin and Annapure, Uday S . (2024) Partially defatted coconut flour as a functional ingredient in replacement of refined wheat flour for development of fiber rich muffins. Journal of Food Science and Technology. Vol.61(3), pp.491-502.
3. Maurya, Suman Kumari and Annapure, Uday S.(2024) Comparative Assessment of Pulse Light Treatment and Holder Pasteurization on Nutritional, Physicochemical, Antioxidant, and Microbiological Profile of Human Milk. Journal of Human Lactation. Vol.40(1), pp.179-189.
4. Kaur, Parinder and Annapure, Uday S (2024) Understanding the atmospheric cold plasma-induced modification of finger millet (Eleusine coracana) starch and its related mechanisms. International Journal of Biological Macromolecules. Vol.268, pp. 131615.
5. Jadhav, Harsh, Das, Moumita, Das, Arpita, Geetha, V., Choudhary, Pintu, Annapure, Uday, Alaskar, Kamal(2024) Enhancing the functionality of plant-based proteins with the application of ultrasound–A review. Measurement: Food. Vol. 13, pp. 1-12.
6. Kalaivendan, Ranjitha Gracy T. , Eazhumalai, Gunaseelan, Annapure, Uday(2024) Impact of novel atmospheric pin-to-plate cold plasma on a seed galactomannan: Physical and chemical characteristics and its application in orange juice stabilization. Food and Bioprocess Technology. Vol.17(1), pp. 169-187.
7. Kahar, Suraj P., Shelar, Ashutosh, Annapure, Uday(2024) Effect of pin-to-plate atmospheric cold plasma (ACP) on microbial load and physicochemical properties in cinnamon, black pepper, and fenne. Food Research International. Vol. 177, pp. 113920.
8. Maurya, Suman Kumari and Annapure, Uday(2023). Comparative Assessment of Pulse Light Treatment and Holder Pasteurization on Nutritional, Physicochemical, Antioxidant, and Microbiological Profile of Human Milk. Journal of Human Lactation.
9. Kalaivendan, Ranjitha Gracy T., Eazhumalai, Gunaseelan, Annapure, Uday(2023) Impact of pin-to-plate cold plasma depolymerization on the gelation and functional attributes of guar galactomannan. Journal of Food Process Engineering. Vol.46(7), pp.41640.
10. Adsare, Sachin., Annapure, Uday(2023) Partially defatted coconut flour as a functional ingredient in replacement of refined wheat flour for development of fiber rich muffins. Journal of Food Science and Technology. Vol. 60, pp. 1-12.
11. Patil, Rakhi S., Waghmare, Jyotsna, Annapure, Uday(2023) Comparative assessment of the frying performance of palm olein and sunflower oil during deep-fat frying of Indian battered food products. Journal of Agriculture and Food Research. Vol.14, pp. 1-8
12. Gholap, A.D., Rojekar, Satish, Kapare, Harshad S., Vishwakarma, Nikhar & et.al.(2023)



- Chitosan scaffolds: Expanding horizons in biomedical applications. *Carbohydrate Polymers*. Vol. 323, pp.1-39.
13. Acharjee, Arjeet, Dabade, Ashish, Kahar, Suraj, Annapure, Uday (2023) Effect of atmospheric pressure non-thermal pin to plate cold plasma on structural and functional properties of pea protein isolate. *Journal of Agriculture and Food Research*. Vol. 14, pp. 1-9.
14. Chauhan, Manish, Kalaivendan, RGT., Eazhumalai, Gunaseelan, Annapure, Uday S. (2023) Atmospheric pressure pin-to-plate cold plasma effect on physicochemical, functional, pasting, thermal, and structural characteristics of proso-millet starch. *Food Research International*. Vol. 173., pp. 1-11.
15. Kaur, parinder & Annapure, Uday S. (2023) Effects of pin-to-plate atmospheric cold plasma for modification of pearl millet (*Pennisetum glaucum*) starch. *Food Research International*. Vol. 169., pp. 112930
16. Jadhav, Harsh B, Badwaik, Laxmikant S., Annapure, Uday, Casanova, Federico, Alaskar, Kamal (2023) A Review on the Journey of edible flowers from farm to consumer's plate. Vol.3(2), pp.100312.
17. Jadhav, Harsh B., Gogate, Parag & Annapure, Uday S. (2023) Analysing the repercussions of ultrasound on triacylglycerols in food. *Food Chemistry Advances*. Vol. 2, pp.100332.
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21. Eazhumalai, Gunaseelan, Gracy, TK, Ranjitha, Annapure, Uday S. (2023) Effect of atmospheric pin-to-plate cold plasma on oat protein: Structural, chemical, and foaming characteristics. *International Journal of Biological Macromolecules*. Vol. 242(3), pp.125103.
22. Kalaivendan, Ranjitha Gracy T., Eazhumalai, Gunaseelan, Annapure, Uday S. (2023) Impact of Novel Atmospheric Pin-to-Plate Cold Plasma on a Seed Galactomannan: Physical and Chemical Characteristics and Its Application in Orange Juice Stabilization. *Food and Bioprocess Technology*.
23. Pathan, FL., Trimukhe, A.M., Deshmukh, R.R., Annapure, Uday S. (2023) A peleg modeling of water absorption in cold plasma-treated Chickpea (*Cicer arietinum* L.) cultivars. *Scientific Reports*. Vol. 13(1), pp.1-14.
24. Kalaivendan, Ranjitha Gracy T., Eazhumalai, Gunaseelan, Annapure, Uday S. (2023) Impact of pin-to-plate cold plasma depolymerization on the gelation and functional attributes of guar galactomannan. *Journal of Food Process Engineering*. Vol. 46(7), pp. e-14084.
25. Jadhav, Harsh B., Sablani, Shyam, Gogate, Parag, Annapure, Uday S. (2023) Factors governing consumers buying behavior concerning nutraceutical product. *Food Science & Nutrition*. Vol.11(7), pp.1-16.

26. Sowmya, R.S, Warke, V.G.,Mahajan, G.B. Annapure, Uday S.(2023) Effect of amino acids on growth, elemental content, functional groups, and essential oils composition on hydroponically cultivated coriander under different conditions. *Industrial Crops and Products*. Vol.197(116577).
27. Devi, Eketa, Kalaivendan,R.G.T, Eazhumalai, Gunaseelan, Annapure, Uday(2023) Impact of atmospheric pressure pin-to-plate cold plasma on the functionality of arrowroot starch. *Journal of Agriculture and Food Research*. Vol.12(100567).
28. Jadhav, Harsh, Raina, Irfan, Gogate, Parag, Annapure, Uday, Casanova, Federico(2023) Sonication as a Promising Technology for the Extraction of Triacylglycerols from Fruit Seeds—A Review. *Food & Bioprocess Technology*. Vol.16(4),pp.1-27.
29. Basak, Somnath and Annapure, Uday S.(2023) Rheological performance of film-forming solutions and barrier properties of films fabricated from cold plasma-treated high methoxyl apple

- pectin and crosslinked by Ca²⁺: Impact of plasma treatment voltage. *International Journal of Biological Macromolecules*. Vol.227, pp.938-951.
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Prof. GIRISH M. JOSHI



Successful Nomination of Prof. Girish Joshi on Member of the Academic Council of Dr. Babasaheb Ambedkar Technological University, Lonere

Prof. Girish Joshi of MARJ campus successfully nominated as Member of Academic Council, by Vice Chancellor of the Dr. Babasaheb Ambedkar Technological University, Lonere District Raigadh. This nomination is for the period of three years. It was mandate to duct the student and academic issues in view of university statutes,

rules and regulations of government and various apex bodies. Team MARJ congratulated for this achievement.

Prof. Girish Joshi delivered talk on Research methodology at Devigiri College, Ch. Sambahnagar

On 06th Jan.2024, At Devegiri college of science, arts and commerce hosted one day program on



Interdisciplinary National workshop at Deptt. Of Social science, UG, PG and Research Centre. Prof.Girish Joshi, MARJ campus delivered the inaugural talk on Tricks of Research Methodology for social science students. In this program more than 120 students and researchers of Dr.BAMU, Sambhajinagar participated in this interactive session. It was highly appreciated by the participats and organizers for worthwhile.

Prof. Girish Joshi delivered talk at NIT Jalandhar

On 20th April 2024 Invited talk was delivered by Prof. Girish Joshi. It was entitled as “Recent Products of Nanotechnology”. It was being organized department of Chemistry, NIT Jalandhar. PG and Research scholars and faculties



were joined the same. It was also great opportunity to share the emerging products developed by ICT Jalna campus. This visit enabled to build the grater academic relations with ICT Jalna campus and NIT Jalandhar for future academic ventures.

Prof. Girish Joshi delivered keynote at International conference: 5th edition of RAFAS at LPU, Punjab

On 19-20 April 2024 in the international conference on RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (RAFAS) hosted by



school of chemical science of Lovely Professional University. Prof. Girish Joshi delivered talk on Recent trends in Polymer Nanocomposites. More than 500 participants and 15 countries were participated in prestigious conference. The ICT Jalna and ongoing research activates were highly influenced among the research scholars.

Prof. Girish Joshi delivered talk at UCLM, Spain

On 8th April.2024, morning we had the opportunity to enjoy a Professor’s talk. Girish Joshi, of the Mumbai Marathwada Institute of Chemical Technology Campus Jalna, India, aimed



Universidad de Castilla-La Mancha
CAMPUS DE EXCELENCIA INTERNACIONAL

Escuela Superior de Ingeniería de Producción

Escuela de Ingeniería de Materiales y Procesos

SEMINARIO

NANOTECNOLOGÍA Y MATERIALES

Comprensión de la mecánica de las propiedades de los materiales que dependen del tiempo*

Dr. GIRISH M. JOSHI

Engineering Physics and Materials
Institute of Chemical Technology
Mumbai Marathwada Jalna (INDIA)
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mainly at 3rd students of EIMIA Mechanical Engineering, designed in class within the subject Engineering and Materials Technology, and open to the online participation of other students and researchers through TEAMS.

It was very interesting. We thank the Prof. Girish's extremely didactic presentation about the properties of the materials that depend on time, while illustrated with results of his research and patents in India. Thank you very much to everyone you have participated, and those you have connected through TEAMS / Thank you very much to all of you who have connected.



Prof. Girish Joshi Delivered talk in UGC-sponsored Refresher Course:

Prof. Girish Joshi of Institute of Chemical Technology Mumbai-Marathwada Campus, Jalna has contributed as a Resource Person and conducted a lecture on dated 12th January, 2024 in the UGC-sponsored Refresher Course – IKS Based Chemistry and Metallurgy in virtual mode held during 12th – 25th January, 2024 organised by UGC – Malaviya Mission Teacher Training Centre, Sant Gadge Baba Amravati University, Amravati. During this session, he delivered a lecture on 'Recent trends in polymer science and Technology'.

DR. MANOJ B. GAWANDE

First two research scholars from Prof. Gawandes Research Group completed their PhD- In December 2023, Mr. Rahul Gaikwad and in January 2024, Mr. Indrajeet Warkad successfully

The Coordinator expressed thanks and requests similar cooperation in future endeavors.

Prof. Girish Joshi Delivered keynote in National conference on Modern Trends in Physical Sciences and Research

National conference on Modern Trends in Physical Sciences and Research (MTPSR-2024) was hosted by Department of physics Balbhim



college, Beed on 20th Jan.2024. Prof. Girish Joshi delivered the keynote on Recent Trends in Polymer nanocomposites. It was better platform to deliver about new ICT Jalna off campus and opportunity for youngsters. More than five hundred participated in this event and contributed posters and oral presentations too. PG students from Physics, chemistry and Maths were keen to attend and interact with the experts during the conference. This conference was co compositions of various disciplines brought the various expert to address the emerging trends.

completed their PhDs. Both are the first students from Gawandes research group and chemistry subject from ICT, Marathwada Campus Jalna. Rahul worked on single-atom photocatalysts and nanocomposites for advanced catalytic and



environmental applications, including carbon dioxide reduction to methanol. Efforts are also

devoted to the various mechanistic aspects. Indrajeet worked on nanocomposites and single-atom catalysts for organic transformations. He also explored some interesting biomass valorization reactions for industrial-oriented applications. They have published several notable peer-reviewed Q1 journals, including Chemical Society Reviews, Green Chemistry, ACS Applied Nanomaterials, Small, Chem Catalysis, and several others. We wish them all the best and extend our warm wishes for their continued success on this roller-coaster journey!

EXTENSION ACTIVITIES

1. Delivered an invited talk entitled “Synthesis and Applications of Nanomaterials and Single Atom Catalysts” in IKS-Based Chemistry and Metallurgy based FDP, Sant Gadge Baba Amravati University, Amravati on 15th January 2024.

2. Delivered an invited talk on topic “Research Opportunities in after MSC Chemistry” at Department of Chemistry, HPT arts and RYK Science College Nashik, on 24th January 2024.

3. Delivered an invited talk in “Exploring New Horizons in Forensic Chemical and Biological Sciences” at Government Institute of Forensic Science, Aurangabad, on 29th February 2024.

4. Delivered an invited talk at 5th International Conference on “Recent Advances in Fundamental and Applied Sciences” (RAFAS-2024) to be held on April 19-20, 2024 at Lovely Professional University, Phagwara, Punjab, India.

5. Delivered a key note talk on “Single-Atom Materials and its Applications” at Department of Chemistry, NIT, Jalandhar on 20th April, 2024.



Publications-

1. Synthesis and energy applications of copper-based single-atom electrocatalysts

Hanumant B. Kale, Arun D. Kute, Rahul P. Gaikwad, Paolo Fornasiero*, Radek Zbořil, Manoj B. Gawande* *Coordination Chemistry Reviews*, 2024, 502, 215602.

2. Nanodiamond Supported Ultra-Small Palladium Nanoparticles as an Efficient Catalyst for Suzuki Cross-Coupling Reactions

Radka Pocklanová, Indrajeet R Warkad, Robert Prucek, Anna Balzerová, Aleš Panáček, Ravishankar G Kadam, Libor Kvítek, Manoj B. Gawande* *Catalysts*, 2024, 14(1), 53.

3. Advancement and State-of-art of heterogeneous catalysis for selective CO₂ hydrogenation to

methanol

Harsh R. Darji, Hanumant B. Kale, Farhan F. Shaikh, Manoj B. Gawande*

Coordination Chemistry Reviews, 2023, 497, 215409.

4. Linear-Structure Single-Atom Gold (I) Catalyst for Dehydrogenative Coupling of Organosilanes with Alcohols

Ravishankar G. Kadam, Miroslav Medved', Subodh Kumar, Dagmar Zaoralová, Giorgio Zoppellaro, Zdeněk Badura, Tiziano Montini, Aristides Bakandritsos, Emiliano Fonda, Ondřej Tomanec, Michal Otyepka, Rajender S. Varma, Manoj B. Gawande*, Paolo Fornasiero,* and Radek Zbořil*

ACS Catalysis, 2023, 13 (24), 16067-16077.

TARA – Ph.D. ACHIEVEMENTS

MS. SUPRIYA JOSHI

Dr. Manoj Jadhao's doc. student, Ms. Supriya Joshi, visited Taiwan

Ms. Supriya Joshi currently working under Dr. Manoj Jadhao has been selected for the Short-Term Research Internship (STRI) program at the Department of Medicinal and Applied Chemistry and Research Center for Precision Environmental Medicine, Kaohsiung Medical University (KMU) in Taiwan. This prestigious opportunity is financially supported by the TEEP-Ministry of Education-Taiwan grant. Her research will be conducted under the esteemed guidance of Prof. Vinoth Kumar in the Nano & Green Analytical Technology Lab at KMU, located in the vibrant city of Kaohsiung. The lab focuses on cutting-edge research that



integrates nanotechnology and green chemistry principles. She will be involved in projects that aim to develop environmentally friendly analytical techniques, contributing to the advancement of precision environmental conditions. This internship marks a significant milestone in her academic journey. It not only provides a platform to collaborate with leading researchers but also allows her to experience Taiwanese culture and the vibrant academic environment at KMU. The financial support from the TEEP-Ministry of Education-Taiwan grant is invaluable, ensuring she can focus entirely on her research activities. This opportunity promises to be a transformative experience, and she is eager to make the most of it.



STUDENT ACHIEVEMENTS

1. Aditi Pashte: A Versatile Talent Making Strides in Academia and Industry

Aditi Pashte, a 3rd year student at the ICT MarJ. During her 2023 internship at BPCL, she secured the runner-up position in a quiz competition Umang organized by the organization.

Additionally, she was a key member of the inaugural organizing core team for ICT's first-ever cultural event 'Tatva', this opportunity allowed her to enhance her leadership skills significantly.

Concurrently, she had the privilege of collaborating with Dr. Thallada Bhaskar, one of the world's top 2% scientists, at CSIR IIP Dehradun wherein she worked in the Material research and efficiency department for biomass conversion.

2. Shreya Bhardwaj: Excelling in Academics and Scout Leadership

Shreya Bhardwaj, a third year I.M.Tech student recently qualified the Rashtrapati Guide Examination, a national level examination conducted by the Bharat Scouts and Guides Association.

And currently she is a part of CSIR-IIP, for her internship wherein she's working in the Wax Rheology and Upstream Department.

3. Jidnyasa Chintamani: Championing Energy Efficiency and Innovation

Jidnyasa, a final year IM.Tech student participated in CII (Confederation of Indian Industry) competition, 7th edition, National energy efficiency circle competition 2023 during her internship at Ecosense Appliances pvt. Ltd.

She had the responsibility of doing research and data analysis and take inputs from other team members, for preparing and designing a power point presentation. Based on the impactful visual presentation and data, the company won second runner up prize for the first time and her performance was appreciated by everyone including the director and Rnd head.

Her invaluable support and such enthusiasm is very much appreciated by the team.

4. Sarang Shindalkar: Research Prodigy and Future PhD Scholar

Sarang is a final year I.M.Tech student and his achievements are something to take pride upon.

Recently, Sarang has been accepted for a fully funded PhD program at University of South Florida. And his publications include-

1. Green Synthesis of Super-Hydrophobic MXene-Hexaferrite Composite for EMI Shielding, Journal of electronics Materials (IF - 2.1)
2. Polythiophene Blends and Composites as Potential Energy Storage Materials, Synthetic Metals (IF - 4.4)
3. Advances in Biomass and Nature-Derived Ceramic Membranes and Their Environmental Applications in Wastewater Treatment, Advanced Engineering Materials (IF - 3.6)

5. Jai Vengurlekar: Pioneering Research at Renowned Institutions

Jai is a 3rd year I.M.Tech student and the 1st student of ICT MarJ to get the Indian Academy of Science, Summer Summer Fellowship 2023.

Currently, he is working on research project at IISc Bangalore.

6. Vasudha Patil: Multifaceted Achiever in Academia and Sports

Vasudha, also a third year I.M.Tech student. She has successfully completed an internship at Indorama Synthetics India Ltd., Nagpur and worked on a project "REDUCTION OF COOH VARIATION IN OLIGOMER". And recently, she joined the CSIR-Indian Institute of Petroleum, Dehradun as a research intern in the Aromatic Extraction Division for four months.

She was leading the team as captain and became the runner-up in volleyball as well as cricket tournaments in Urja 3.0.

Apart from this she also ranked third in the Flash 300 event of Aakriti tech fest.

7. Chirayu Kothawale: Nurturing Research Skills at Prestigious Institutes

Chirayu, a third year I.M.Tech student has successfully grabbed a four month long internship at CSIR-NCL.

8. Sakshi Kataruka: Gaining Research Experience at Elite Institutions

Sakshi, a third year I.M.Tech student has successfully grabbed a four month long internship at IISc-Bangalore.



Notable Industry Placements for ICT MARJ Students (Integrated Mtech 2019-2024 Current Batch*)

Sr.	Name of Student	Company Name	Role	Location
1	Sanket Banchod	Worley	GET	Navi Mumbai
2	Gauri Ladda	ioG Solutions	Advance Application Engineer	Pune
3	Omkar Shetye	Eternis Fine Chemicals	PGET	Kurkumbh
4	Santosh Zol	Eternis Fine Chemicals	PGET	Kurkumbh
5	Ayush Gulhane	Tridoagonal Solutions	Application Engineer	Pune
6	Tanisha Patni	Tridoagonal Solutions	Application Engineer	Pune
7	Vaishnavi Phirke	InsightsHIGH	Business Consulation	Pune
8	Abhinav Tidke	Mecleods Pharma	Production	Sarigam
9	Hrushikesh Chandodkar	Mecleods Pharma	Production	Sarigam

Prestigious Overseas Universities Admit ICT MARJ Students for Higher Studies (Integrated Mtech 2019-2024 Current Batch*)

Sr.	Name of Student	Admits Received	Admit Accepted
1	Rohan Thota	University of Florida	University of Florida (Ph.D.)
2	Raj Wagh	University of Santa Barbara	University of Santa Barbara (Ph.D.)
3	Sarang Sindalkar	University of South Florida	University of South Florida (Ph.D.)
4	Pratham Shah	McMaster Univeristy, Canada	McMaster Univeristy, Canada (Ph.D.)
5	Aniket Shitole	KTH Royal Institute of Technology	KTH Royal Institute of Technology (MS)
6	Vrushank Dhake	University of Washington	University of Washington (MS)

IPT-4 I M Tech Batch 2021

1	Abhishek Sarang	CSIR-IICT, Hyderabad	18	Pratik Mali	CSIR-IICT, Hyderabad
2	Aditi Pashte	CSIR-IIP, Dehradun	19	Rohit Pansare	CSIR-IIP, Dehradun
3	Aditya Bora	CSIR-IICT, Hyderabad	20	Rutuj Runwal	Thakurji Solvex Private Ltd.
4	Aditya Mundhe	DIAT-DRDO, Pune	21	Sahil Sharma	Biokraft Foods, Mumbai
5	Advait Chavan	IIT ROPAR	22	Sakshi Kataruka	IISC, Bangalore
6	Anish Gore	RPDS Innovations Pvt. Ltd., Pune	23	Sania Zarkar	RCF
7	Anushka Tonde	Autchel Chemicals, Dombivli	24	Sanket Maurya	Godrej, Ankleshwar
8	Atharva Karthik	CSIR-IIP, Dehradun	25	Shatakshi Joshi	FluiDimensions, Pune
9	Chirag Kothawale	DIAT-DRDO, Pune	26	Shrawani Pangarkar	RCF
10	Chirayu Kothawale	CSIR-NCL, Pune	27	Shreya Bhardwaj	CSIR-IIP, Dehradun
11	Dev Patra	Thakurji Solvex Private Ltd.	28	Shruti Dighe	Unichem Lab Limited
12	Dhiraj Damahe	DIAT-DRDO, Pune	29	Swapnil Garule	CSIR-NCL, Pune
13	Garima Khotkar	IISC, Bangalore	30	Tanishq Prasad	Thakurji Solvex Private Ltd.
14	Harshal Kumbhar	Galaxy Surfactants, Taloja	31	Tanmay Zade	Raymond UCO denim pvt ltd
15	Jai Vengurlekar	IISC, Bangalore	32	Vaibhavi Kadam	Autchel Chemicals, Dombivli
16	Mrunal Nannaware	CSIR-IICT, Hyderabad	33	Vasudha Patil	CSIR-IIP, Dehradun
17	Nandini Jain	Tanya textile ,(U.P.)	34	Vijendra Awale	Raymond UCO denim pvt ltd