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Monthly Report

August 2025



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Book Chapter

Dr. Sumira Malik Associate Professor & Dr. Justishna Bohra Assistant Professor, Amity Institute of Biotechnology (AIB) authored a Book Chapter titled “Personalized Medicine Frontiers” published in the Book “Stem Cell Therapeutics”.

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Chapter 13

Personalized Medicine Frontiers


Interrelating Stem Cell Microenvironments with Stem Cell Therapies for Individual Patients

Sagar Mondal, Swati Priya, Jutishna Bora, Smita Lata, Ajay Kumar Mahalka, Sumira Malik

Book Editor(s): Ayush Madan, Sumel Ashique, Deepika Arora, Mantosh Kumar Satapathy

First published: 11 July 2025 | <https://doi.org/10.1002/9781394313785.ch13>

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Stem Cell Therapeutics

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[Fundamentals of Stem Cell Therapy in Disease Prevention](#)
Rajarshi Nath, Arijit Das, Shambo Panda, Souvik Biswas, Biplob Debnath

[Stem Cell Therapy in Dermatological Disorders, \[1\]](#)

[Progenitor and stem cells for bone and cartilage regeneration](#)
M. K. El Tamer, R. L. Reis

[Journal of Tissue Engineering and Regenerative Medicine](#)


Summary

The intrinsic ability of stem cells to self-renew and differentiate into many cell types makes them a significant asset for tissue engineering and regenerative medicine applications. The interaction of physical, chemical, and biological signals within the stem cell niche, both temporally and spatially, profoundly influences their capacity for differentiation and self-renewal. Embryonic and adult stem cells possess potential for cell-based therapeutics; nevertheless, regulating stem cell behavior presents a substantial obstacle to their clinical application. Numerous current approaches for influencing stem cell fate insufficiently consider the complex signaling networks that dictate stem cell behaviors in their natural microenvironments. To overcome this limitation, researchers are developing a novel generation of biomaterials that function as three-dimensional synthetic microenvironments, mimicking the regulatory characteristics




Research Article

Dr. Trupti Ranjan Das, Assistant Professor, Amity Institute of Applied Science (AIAS) authored a Research Article titled “Rare-earth doping in Aurivillius phases: a study on Sm³⁺-modified CaBi₄Ti₄O₁₅ ceramics and its photoluminescent response” in the international online journal “Inorganic Chemistry Communications” published by Science Direct.






Inorganic Chemistry Communications
 Volume 182, Part 1, December 2025, 115369







Research Article

Rare-earth doping in Aurivillius phases: a study on Sm³⁺-modified CaBi₄Ti₄O₁₅ ceramics and its photoluminescent response

Chittaranjan Satapathy ^{a,1}, SJ Nalini ^{a,1}, Priyanka Nayak ^b, Trupti R. Das ^c, Anirban Pradhan ^d, Akshaya K. Palai ^e, Sushri Sangita Nanda ^a  

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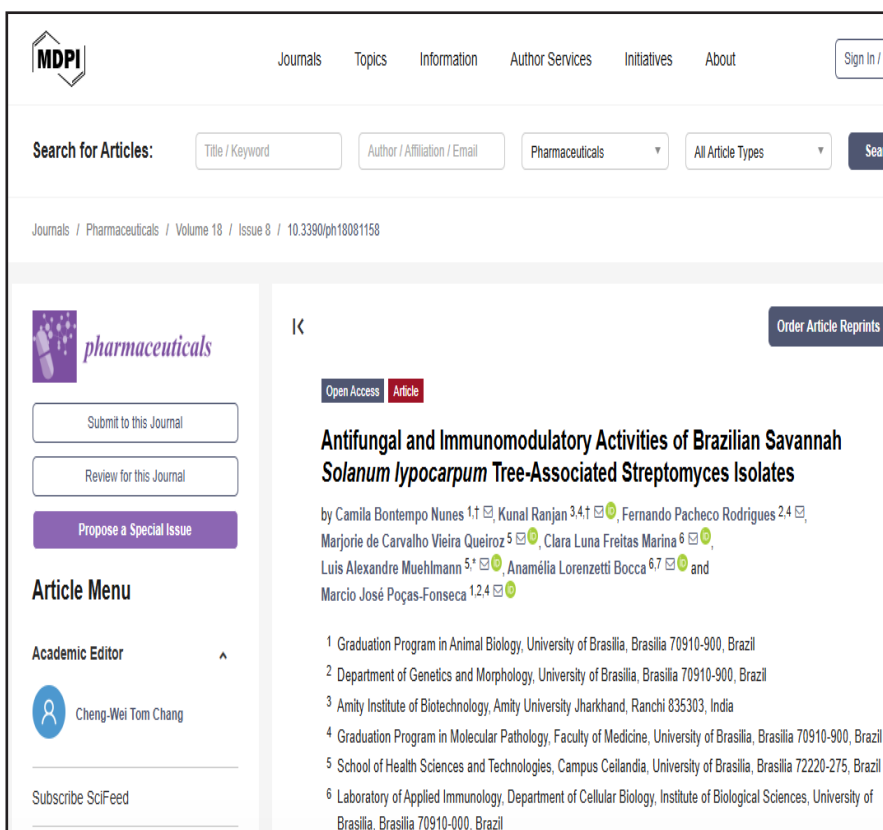
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Research Article

Dr. Kunal Ranjan, Assistant Professor, Amity School of Biotechnology (AIB) published a Research article titled “Antifungal and Immunomodulatory Activities of Brazilian Savannah *Solanum lycoparpum* Tree-Associated *Streptomyces* Isolates” in International publisher MDPI.

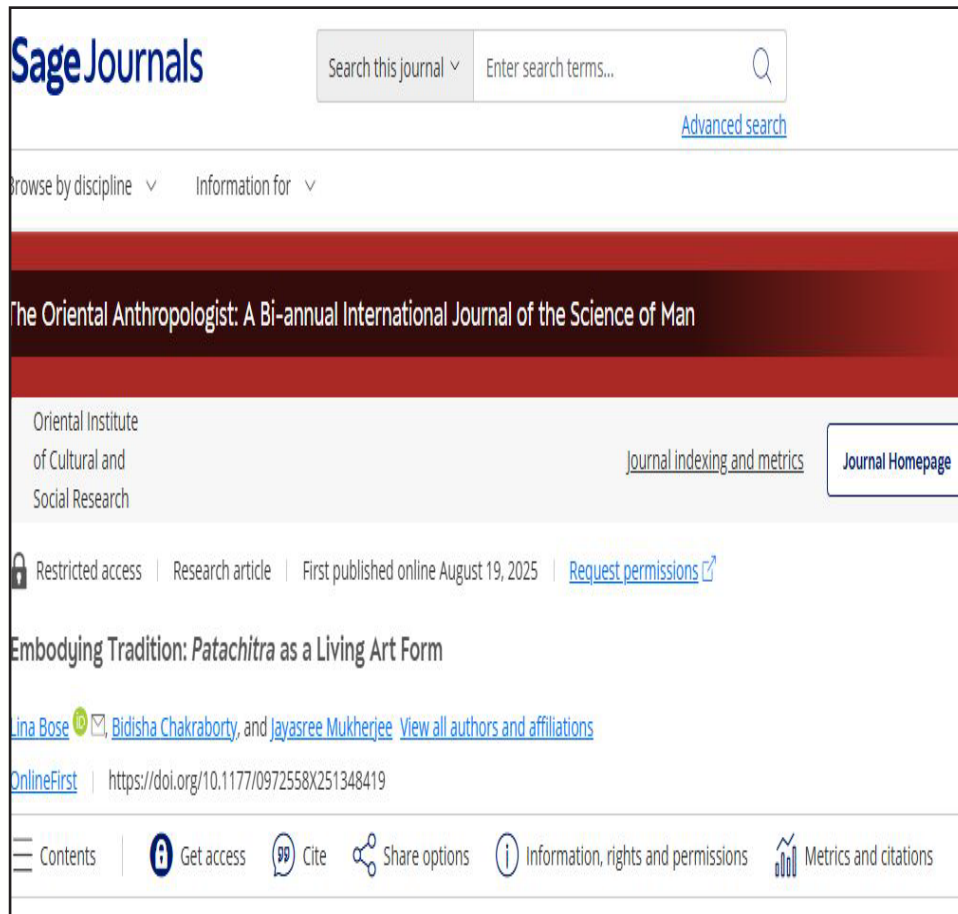


The screenshot shows the MDPI website interface. At the top, there is a navigation bar with links for Journals, Topics, Information, Author Services, Initiatives, and About, along with a Sign In / Sign Up button. Below the navigation bar is a search bar with fields for Title / Keyword, Author / Affiliation / Email, and a dropdown menu for Pharmaceuticals. The main content area displays the article title, authors, and abstract. The article is titled "Antifungal and Immunomodulatory Activities of Brazilian Savannah *Solanum lycoparpum* Tree-Associated *Streptomyces* Isolates" and is authored by Camila Bontempo Nunes, Kunal Ranjan, Fernando Pacheco Rodrigues, Marjorie de Carvalho Vieira Queiroz, Clara Luna Freitas Marina, Luis Alexandre Muehlmann, Anamélia Lorenzetti Bocca, and Marcio José Poças-Fonseca. The article is categorized as an Open Access Article. On the left side, there is a sidebar with a search bar, a submit button, a review button, a propose a special issue button, and an article menu section. The article menu section includes an academic editor section with a profile picture and name, and a subscribe SciFeed section.



Research Article

Dr. Lina Bose and Dr. Bidisha Chakrabarty Assistant Professor, Amity Law School (ALS) and AIESR respectively published a Research Article titled “Embodying Tradition: Patachitra as a Living Art Form” by the international publisher “Sage Journals”.



The screenshot displays the Sage Journals website interface. At the top, the 'Sage Journals' logo is on the left, and a search bar with the placeholder 'Search this journal' and 'Enter search terms...' is on the right. Below the search bar is a link for 'Advanced search'. A navigation bar includes 'Browse by discipline' and 'Information for'. The main header area features the journal title 'The Oriental Anthropologist: A Bi-annual International Journal of the Science of Man' and the publisher 'Oriental Institute of Cultural and Social Research'. A 'Journal indexing and metrics' link and a 'Journal Homepage' button are also present. The article details section shows 'Restricted access', 'Research article', and the publication date 'First published online August 19, 2025', with a 'Request permissions' link. The article title 'Embodying Tradition: Patachitra as a Living Art Form' is prominently displayed, followed by the authors 'Lina Bose', 'Bidisha Chakrabarty', and 'Jayasree Mukherjee', and a 'View all authors and affiliations' link. The 'OnlineFirst' status and the DOI 'https://doi.org/10.1177/0972558X251348419' are also shown. At the bottom, a navigation bar includes links for 'Contents', 'Get access', 'Cite', 'Share options', 'Information, rights and permissions', and 'Metrics and citations'.



Event

Department of Journalism and Mass Communication organized screening and judgment event for the on-campus Inter-Department Reels Making Competition “Reel Media Vibes” on 06th August 2025.

The guest speaker, Dr. Ammara Azmi, Beauty, Lifestyle and Parenting Influencer cum Dentist 83.3.K followers addressed the students and said “It needs lot of efforts and hard work like scripting, planning, making videos wherein creativity and consistency is the key for reel makers. Reel maker and creator are different, consistently coming up with different creative ideas is difficult for the long run but one who can do it wins as a reel maker.”

The second speaker, Mr. Aditya Daman, Promotional Influencer from Ranchi with 89 K followers, appreciated the reels of the students and talked about the dos and don’ts of reel making as an influencer.

The winners of the competition include Ankita Bardiyar, BA(J&MC), 5th Sem who bagged the first position, Shalvi & Rishi, BCA, 3rd Sem stood second and Swastika Chakraborty, BA(J&MC) 3rd Sem held the third position from Amity University Jharkhand.





Awareness Session

Amity University Jharkhand Student Welfare Department organized Anti- Ragging Awareness Session on 12th August 2025.

Dr. Prabhat Kumar Tripathi, Associate Dean – Student Welfare, Amity University Jharkhand addressed the students and said “All the students should ensure to keep Amity a Ragging free campus. We feel proud that since the inception of Amity University Jharkhand in 2016, so far there has been no incidence of ragging. This is all because of the students, their discipline, manners and etiquette. All should meet their juniors with utmost decency, respect and indulge in academic activities.”

Dr. Biswadeep Dutta, Assistant Professor, Amity Law School, Amity University Jharkhand highlighted the legal consequences of ragging on campus and talked about the Anti - Ragging Act in detail. He added that any mental or physical abuse is included under ragging and urged students not to indulge in any such unethical activities. The steps of filling up the online Anti- Ragging undertaking was also discussed, and students took a pledge to keep campus free from Ragging.





Extra Curricular Activity

Amity Institute of English Studies and Research (AIESR) in collaboration with the National Service Scheme (NSS) at Amity University Jharkhand organized Painting Competition on 12th August 2025. This drive aligns with Sustainable Development Goal (SDG) 4: Quality Education by fostering creative thinking, cultural understanding, and active engagement in national identity building through artistic expression. The event was held in Room No. 129 and welcomed enthusiastic participation from students across departments. The themes of the competition — “Har Ghar Tiranga” and “New India, Empowered India” — were chosen to celebrate the spirit of Independence Day and inspire students to creatively express their vision of patriotism, unity, and empowerment.

The competition witnessed remarkable creativity and diverse artistic interpretations of the given themes. The event successfully engaged students in a reflective dialogue about their role in shaping a progressive India while enhancing their creative abilities.





Samanvay: Amity Centre for Wellness

Amity Institute of Clinical Psychology organized a 'Session on Mind Matters: Building Resilience and Wellness in Life' on August 13, 2025.

The session was held as a forum to introduce Samanvay: Amity Centre for Wellness. Samanvay is a dedicated wellness initiative by Amity University Jharkhand that promotes holistic well-being and mental health among students, faculty, staff, and a wider community.

The first speaker, Dr. Anisha Arora, a Professor of Clinical Psychology, spoke about the importance of Resilience in life & elaborated on the 7 Cs of Resilience.

The second speaker, Dr. Mitu Mitty Varghese, a Psychiatric Social Worker, spoke on building resilience and well-being in today's world.





Workshop

Amity Institute of Applied Sciences organized a Workshop on Validating your Start Up Ideas: Tools and Techniques' on August 13, 2025.

The IIC Workshop focused on helping new and aspiring entrepreneurs with their innovative ideas. Its main goal was to teach students how to determine if a business idea is viable. Instead of relying on assumptions, they will learn to use data-driven methods to see if there's a real need for their product or service.

The interactive session emphasized the importance of market research, customer feedback, and evidence-based decision-making in the early stages of entrepreneurship.

Mr. Chandan Kumar Gupta, the owner of the Startup Up Sree Ram Traders, was the guest speaker.

This initiative reflects the Institute's commitment to fostering innovation, critical thinking, and entrepreneurial mindset among students, helping them take their first step toward building successful start-ups.





Guest Lecture

Amity Law School organized a Guest Lecture on “Exploring Legal Pathways: Careers in Litigation, Judiciary & Beyond” on August 14, 2025. The guest lecture aimed to provide law students with an in-depth understanding of the diverse career opportunities available in litigation, judiciary, and allied legal fields. Mr. Vivek Raj shared his professional journey, offering insights and challenges.

The session highlighted importance of strong legal foundations for pursuing careers in litigation and judiciary, role of young lawyers in upholding justice, ethics, and fairness, practical guidance on preparing for judicial service examinations.

The guest lecture broadened students’ perspective about career possibilities in the legal field. Participants gained clarity on the judicial examination process, the demands of litigation practice, and the professional skills required to succeed. The session encouraged critical thinking, ethical awareness, and a sense of responsibility towards strengthening the justice system.



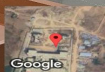
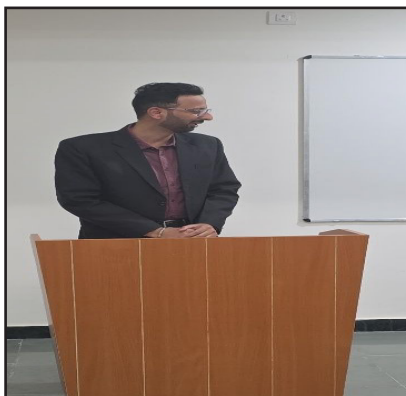


Expert Talk

Amity Law School organized a Expert Talk on “Intellectual Property Rights & Patent Drafting” on August 14, 2025. The session aimed to provide participants with an in-depth understanding of the role of Intellectual Property (IP) in fostering innovation and protecting entrepreneurial ideas.

Mr. Yashraj Mishra, Assistant Professor, Amity Law School, Amity University Jharkhand was the main speaker of the event who highlighted the growing significance of startups in the present era and emphasized how intellectual property serves as a critical asset for their growth and sustainability. Participants were introduced to the fundamentals of IPR, including patents, copyrights, trademarks, and designs, with special focus on patent drafting techniques.

Overall, the Expert Talk offered a comprehensive perspective on Intellectual Property Rights and Patent Drafting, enabling participants to appreciate its strategic importance in building legally sound, innovative, and ethically responsible ventures.



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79th Independence Day

Amity University Jharkhand, celebrated the 79th Independence Day on August 15th, 2025.

Dr. Ashok K. Srivastava, Vice Chancellor, Amity University Jharkhand, extended his best wishes.

Addressing the audience, he said, “Let us remember the countless individuals who fought tirelessly for our freedom, the leaders who envisioned a united and sovereign nation, and the ordinary people who played extraordinary roles in shaping our destiny.”

A dance performance by the Cultural Team and a play based on ‘Unsung Freedom Fighters’ was presented by Navras Srijan (Theatre Club) of the University.

The welcome note was delivered by Mr. Prabhakar Tripathi, Registrar, Amity University Jharkhand, followed by a patriotic speech by Dr. Abhishek Tripathi, Dean, Management and Allied Programs. The vote of thanks was delivered by Dr. P.K. Tripathi, Associate Dean, SWD.





IIC Event

Amity School of Management- Department of Commerce and Finance, in collaboration with the Institution's Innovation Council (IIC), hosted Startup from Scratch - Entrepreneurial Mindset Boot Workshop on 19th & 20th of August.

It was an intensive program designed to equip aspiring entrepreneurs with the fundamental mindset and practical tools needed to launch a startup from zero. Through hands-on exercises and bootcamp-style rapid learning, participants dive into essential areas including ideation, market validation, lean startup principles, and resilience-building techniques. The workshop focused on developing entrepreneurial thinking patterns, teaching participants how to identify and validate business opportunities, understand risk management, embrace failure as a learning tool, and build MVP (Minimum Viable Product) concepts.

Participants gained exposure to risk assessment frameworks, financial planning basics, and pitch development techniques. The workshop provided networking connections with peers, mentors, and potential collaborators within the entrepreneurial ecosystem.





World Entrepreneurs Day

Amity University Jharkhand, the Department of Journalism and Mass Communication along with Amity Institute of Psychology and Allied Sciences, under the mandate of the Institution's Innovation Council (IIC) celebrated the World Entrepreneurs Day on August 21st, 2025.

Describing the term, 'Entrepreneurship', Mr. Akram Ansari, Founder & Director of Bless n Bliss Foundation, The Organizer Pvt. Ltd, APKRITMY Pvt. Ltd, the guest speaker mentioned that it is not just about starting a business, but it is about creating value.

"Entrepreneurs are problem solvers, risk takers, dreamers with execution power," he added. He cited examples related to life lessons from sports and endurance challenges.





Workshop

Amity Law School (ALS) organized a Workshop on 22nd August on “Patent Search & Filing Process” to equip students and aspiring innovators with practical knowledge of protecting intellectual property. Ms. Tuhina Sinha, Assistant Professor, Amity Law School, Amity University Jharkhand was the speaker of event.

The session emphasized the importance of patent search as the first step in determining the novelty of an idea and preventing duplication. Participants were introduced to various national and international patent databases and were guided on effective search techniques to identify prior art.

The workshop further covered the patent filing procedure in India, including drafting specifications, claim writing, online filing, and compliance requirements.

Overall, the workshop provided hands-on insights into patent search, filing procedures, and legal requirements, empowering participants to transform their innovative ideas into well-protected intellectual property assets.





Cultural Event

Amity University Jharkhand, 'Talent Hunt: Dance Amity Dance' was organized by the Cultural Committee, Taal Tarang Club, Student Welfare Department on August 25th, 2025.

Students from various departments actively participated in the event. The winner of the group dance competition was Rhyme and Rhythm, while Shubhalaxmi was declared the winner of the solo dance competition.





Workshop

Amity Institute of Information Technology (AIIT) commenced a two-day 'Innovate, Validate and Protect: A Skill Building workshop for young Entrepreneurs' under the mandate of Institution's Innovation Council, on 27th August 2025.

This workshop was designed to empower aspiring entrepreneurs with the essential skills needed to turn ideas into impactful ventures.

Participants learnt how to innovate by fostering creativity and identifying opportunities, validating their business models through market research and customer feedback, and protecting their innovations by understanding intellectual property rights and legal safeguards.





National Sports Day

Amity University Jharkhand, Sports Committee in collaboration with Student Welfare Department celebrated India's rich sporting legacy and paid tribute to Major Dhyan Chand on 'National Sports Day' on August 29, 2025 followed by a Guest Lecture on 'Gauging the Sporting Culture of Victorian Britain through Novels' by the Department of English Studies and Research.

Notably, Amity University Jharkhand, aligned with the Ministry of Youth Affairs & Sports, Government of India, has adopted the tagline "Ek Ghanta Khel Ke Maidan Mein!" with the Hashtag # Khelega Desh KhilegaDesh.

The National Sports Day was held to promote physical activity, inclusiveness, and teamwork through fun and competitive sports. Sports events, namely Badminton and Table Tennis, were conducted on the campus.

In a thought-provoking session during the Guest Lecture, Dr. Basudhita Basu, Assistant Professor of History at Adamas University, Kolkata, delivered an engaging talk on the sporting culture of Victorian Britain, beautifully weaving together literature, sports, and history.



FDP

Amity University Jharkhand, Amity Institute of Information Technology (AIIT) in collaboration with All India Council for Technical Education (AICTE) ATAL Academy, conducted a six-day online Faculty Development Programme (FDP) titled 'NextGen Quantum Educators Program – Quantum Computing & Technology (Basic)' from August 25 to August 30, 2025.

This FDP aimed to equip educators with foundational knowledge and practical skills in quantum computing, an emerging frontier with transformative potential across sectors, including cryptography, machine learning, and advanced computing frameworks.

The sessions were taken by experts Prof. Dipan Kumar Ghosh, Prof. (Retd), Department of Physics (IIT Mumbai), Ms. Nivedita Dey, Technology Management, PwC, Dr. Ajay Roy, University of Bisha, Kingdom of Saudi Arabia, Dr. Shubhankar, NIT Meghalaya, Dr. Sutripto Majumder, Yeungnam University, Gyeongsan, South Korea, and many more.

Dr. Pooja Jha, Associate Professor at AIIT, served as the FDP coordinator at Amity University Jharkhand.

