



# ST. XAVIER'S COLLEGE

## MAHUADANR



LATEHAR, JHARKHAND, INDIA



## RECENT TRENDS IN INTERDISCIPLINARY RESEARCH AND COMPLEX GLOBAL CHALLENGES

January 20<sup>th</sup> to 24<sup>th</sup>, 2025 | Time : 5:00 P.M to 6:00 P.M



## **ABOUT THE COLLEGE**

St. Xavier's College, Mahuadanr (SXCM), founded in 2011 by the Hazaribagh Jesuits Education Society, stands as a pillar of higher education in the predominantly tribal and rural region of Mahuadanr, Latehar District, Jharkhand. Committed to inclusivity, the college provides education to students regardless of caste, creed, or gender. Spanning 24.46 acres, SXCM emphasizes academic excellence and fosters societal growth. The college holds UGC recognition under the 2(f) certification, ISO 9001:2015 accreditation, and has been awarded an A+ grade in its second NAAC cycle. Its commitment to environmental sustainability earned it the District Green Champion Award in 2022 and 2024. Partnering with the Ministry of Education, SXCM actively engages in programs like Unnat Bharat Abhiyan, furthering rural development. SXCM's modern facilities, including a state-of-the-art auditorium and ICT-enabled classrooms, create an ideal learning environment. It offers 13 undergraduate programs and nurtures students' potential through 40 co-curricular cells. The college's community initiatives include adopting 11 neighboring villages, organizing educational and awareness campaigns, and providing essential services such as medical camps, vaccination drives. SXCM's holistic approach integrates academic rigor with societal contribution, empowering students while fostering sustainable development in the region.



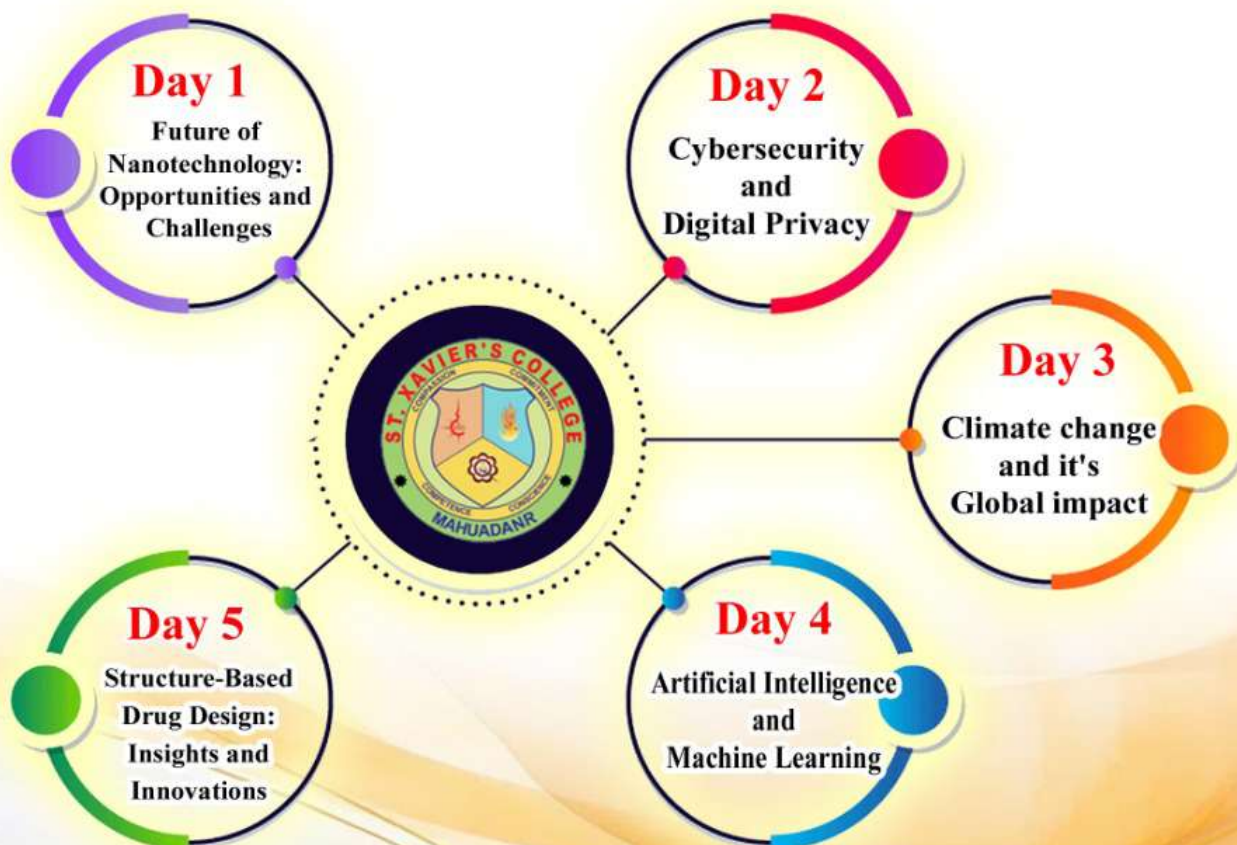
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## ABOUT THE WEBINAR

The international webinar on Recent Trends in Interdisciplinary Research and Complex Global Challenges brings together experts and researchers to explore groundbreaking advancements across diverse fields, focusing on innovative solutions to global issues. The session on the Future of Nanotechnology delves into its transformative potential in medicine, electronics, and environmental sustainability, while addressing challenges like ethical considerations and scalability. Cybersecurity and Digital Privacy highlights the critical need for robust strategies to protect digital ecosystems, safeguard sensitive data, and mitigate the rising threat of cyberattacks in a hyperconnected world. The discussion on Climate Change and Its Global Impact emphasizes the urgency of adopting multidisciplinary approaches to tackle environmental crises, mitigate disasters, and promote sustainable development. The role of Artificial Intelligence (AI) and Machine Learning (ML) is explored as pivotal in enhancing decision-making, predictive analytics, and intelligent systems to address challenges in healthcare, finance, and environmental monitoring. Lastly, the session on Structure-Based Drug Design focuses on leveraging computational technologies to accelerate drug discovery, enabling targeted therapies for diseases and fostering innovation in healthcare. By integrating insights from these fields, the webinar underscores the importance of collaboration and interdisciplinary approaches in addressing complex global challenges, inspiring participants to contribute to sustainable and impactful solutions.





# RESOURCE SPEAKERS

DAY  
1



**Dr. J. Judith Vijaya**  
Former Dean of Sciences, Associate Professor  
Department of Chemistry  
Loyola College, Chennai.

DAY  
2



**Dr. S Sriranjani Mokshagundam**  
Professor of Management  
BGS B-School, Bangalore  
Research Supervisor -  
Mysore University, Karnataka

DAY  
3



**Dr. S. Maria Packiyam SJ**  
Assistant Professor & Research Guide  
Department of Advanced Zoology & Biotechnology  
Loyola college, Chennai

DAY  
4



**Dr. Raj Kumar Masih**  
Senior Lecturer  
Govt. University of Jazan  
Saudi Arabia

DAY  
5



**Dr. Ramakrishna Meduri**  
Krasnow Institute for Advanced Neuroscience  
GMU, USA

# COMMITTEE MEMBERS

**DR. FR. M.K. JOSE S.J.**

CHAIRPERSON, PRINCIPAL

**DR. FR. SAMIR TOPPO S.J.**

VICE-PRINCIPAL, ASSISTANT PROFESSOR  
DEPARTMENT OF ENGLISH

**DR. FR. LEO S.J.**

TREASURER, ASSISTANT PROFESSOR  
DEPARTMENT OF MATHEMATICS

**SR. CHANDRODAYA**

HOD, ASSISTANT PROFESSOR  
DEPARTMENT OF ENGLISH

**MISS SHEPHALI PRAKASH**

HOD, ASSISTANT PROFESSOR  
DEPARTMENT OF GEOGRAPHY

**MISS SURABHI SINHA**

ASSISTANT PROFESSOR  
DEPARTMENT OF COMMERCE

**MR. SHASHI**

IQAC COORDINATOR, ASSISTANT PROFESSOR  
DEPARTMENT OF BOTANY

**DR. FR. RAJEEP TIRKEY**

ASSISTANT PROFESSOR  
DEPARTMENT OF ENGLISH

**MR. RONIT XESS**

EXAMINATION CONTROLLER, ASSISTANT PROFESSOR  
DEPARTMENT OF ECONOMICS

**MISS SHALINI BARA**

HOD, ASSISTANT PROFESSOR  
DEPARTMENT OF BOTANY

**MISS SHILPI HORO**

ASSISTANT PROFESSOR  
DEPARTMENT OF POLITICAL SCIENCE

REGISTRATION FEE: 200/-



**Last Date for the Registration : 19<sup>th</sup> Jan 2025**

**Registration Link : <https://forms.gle/KHGfPpSXfGfuqAvJ9>**