



**REPORT ON THE  
THIRTEENTH S. S. DUTTA MEMORIAL LECTURE**

*On the Theme*

**“Antimicrobial Resistance: A Global Threat to Modern Medicine”**

*Organised by*

**Department of Microbiology, Shillong college,**

*In collaboration with*

**Internal Quality Assurance Cell (IQAC), Shillong College**

*Held on 17<sup>th</sup> September, 2026*

*Venue: Shillong College Auditorium*

The 13<sup>th</sup> S.C. Dutta Memorial Lecture was organized by the Department of Microbiology, Shillong College, in collaboration with the Internal Quality Assurance Cell (IQAC), Shillong College, on the 17<sup>th</sup> September, 2026 at the Shillong College Auditorium. The programme witnessed an enthusiastic participation of approximately 250 students, along with faculty members of the College.

The programme commenced with a Welcome Address by the Head, Department of Microbiology, Shillong College, who warmly welcomed the distinguished speaker, the Principal, faculty members and students.

This was followed by an address by the Principal, Dr. S. Khongwir, who welcomed the resource person and emphasized the importance of such academic lectures in broadening students' knowledge beyond the classroom. The address highlighted the significance of the S. C. Dutta Memorial Lecture and the importance of organizing academic programmes that expose students to contemporary issues in science and healthcare. The Principal also encouraged the students to make the best use of the opportunity and gain valuable insights from the distinguished speaker.

The memorial lecture was delivered by Dr. Damiki Laloo, M.Pharm., Ph.D. (IIT-BHU), Dean and Principal, Girijananda Chowdhury Institute of Pharmaceutical Sciences, School of Pharmaceutical Sciences, Girijananda Chowdhury University, Guwahati, Assam, and Director, Research & Development Cell, GCU.

Dr. Laloo delivered an informative lecture on “Antimicrobial Resistance: A Global Threat to Modern Medicine.” He discussed the evolution of antibiotic discovery and the emergence of antimicrobial resistance (AMR), highlighting AMR as a major global health concern. The



lecture drew attention to several factors contributing to the increasing problem of AMR in India, including poor infection prevention, lack of awareness regarding appropriate antibiotic use, environmental contamination through antibiotic-containing effluents and the limited use of microbiological evidence in antibiotic prescriptions.

The speaker also explained the different mechanisms through which microorganisms develop resistance to antibiotics, including enzymatic destruction or modification of antibiotics, alteration of target sites, reduced drug permeability, active efflux, mutations and biofilm formation. The lecture further covered emerging approaches for combating antimicrobial resistance, including the potential applications of pharmaceutical nanoparticles, medicinal plants and their bioactive compounds.

The lecture was highly informative and provided the students with a better understanding of the causes, mechanisms and global implications of antimicrobial resistance. It also reinforced the importance of the responsible use of antibiotics, awareness, infection prevention and continued scientific research in addressing this growing challenge.

With around 250 students participating, the programme provided an excellent platform for academic enrichment and awareness on one of the most pressing challenges facing modern medicine. The 13<sup>th</sup> S. C. Dutta Memorial Lecture was successfully conducted and proved to be a meaningful and enriching academic programme for both students and faculty members of Shillong College.

Knowledge  
People  
A Better  
Tomorrow

SHILLONG COLLEGE  
KNOWLEDGE FOR A BRIGHTER TOMORROW

13<sup>th</sup>  
SC DUTTA  
MEMORIAL LECTURE

Organized by  
Department of Microbiology  
in collaboration with  
Internal Quality Assurance Cell (IQAC)  
Shillong College

TOPIC  
**Antibiotic Resistance:  
A Threat to Global Modern Medicine**

AWARENESS | RESEARCH | RESPONSIBLE USE | A HEALTHIER TOMORROW

Thursday  
17 September  
2026

Time  
11:00 AM

Venue  
Shillong College  
Auditorium

Science for People, Healthier Tomorrows.

SCIENCE | PEOPLE | COMMUNITY | A HEALTHIER WORLD

Learn  
Grow  
Serve  
Lead

GLOBAL  
ACTION  
HEALTHIER  
PEOPLE  
STRONGER  
TOMORROWS

COMBAT  
RESISTANCE  
PRESERVE  
TREATMENTS  
PROTECT  
FUTURES







**Smt. Mary Diengdoh**  
*Programme Coordinator*  
*13th S. C. Dutta Memorial Lecture*

**Dr. I. Lyngdoh**  
*Programme Co-coordinator*  
*13th S. C. Dutta Memorial Lecture*

**Dr. Zoliansanga**  
*Assistant Professor and Head,*  
*Department of Microbiology, Shillong College*

**Dr. S. Khongwir**  
*Principal,*  
*Shillong College*