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## Department of Chemistry Physics and Biotechnology

**Seminar**  
**on**  
**Hinge Region Insertions in HIV-1  
Protease Affect Drug Binding: Insight  
from structural and functional studies**

### *Resource Person*

**Dr. Ramesh Pandian,  
Researcher  
Protein Structure-Function Research Unit,  
School of Molecular and Cell Biology,  
University of the Witwatersrand,  
Johannesburg, South Africa**

**22.8.2019,  
3pm -5pm  
Richard Dawkins Hall**

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## **Hinge Region Insertions in HIV-1 Protease Affect Drug Binding: Insight from structural and functional studies -Report**

The Department of Chemistry, Physics and Biotechnology organized an exclusive seminar talk titled “*Hinge Region Insertions in HIV-1 Protease Affect Drug Binding: Insight from structural and functional studies*”. Dr. Ramesh Pandian, (*Researcher, Protein Structure-Function Research Unit, School of Molecular and Cell Biology, University of the Witwatersrand, Johannesburg, South Africa*) served as resource person on 22.08.2019 at Richard Dawkins Hall between 3:00 p.m. and 5:00 p.m. Nearly 70 students of UG, PG, research scholars and faculty members from Biotechnology, Chemistry, Physics and Nanotechnology were benefitted. Dr. S. Gomathi, Head, Department of Chemistry inaugurated the seminar by introducing the guest and his achievements in protein crystallography and in small molecular crystallography. At the end of the seminar the resource person interacted with the students and faculties in order to clear the raised doubts on the recent research on drug for HIV, its types, mode of action on human cells, structural role of drug binding. The beneficiaries expressed their happiness in their feedback. Guests also provided tips about essential open source software used for preliminary studies related to protein structure in bioinformatics. At the end of seminar Dr. Ashok Kumar, Head, Department of Biotechnology proposed vote of thanks, Dr. S. Kesavan, Head, Department of Physics and Dr. S Kumaran, Dean Research presented the memento to the resource person.

**Title of the Seminar Talk : “Hinge Region Insertions in HIV-1 Protease Affect Drug Binding: Insight from structural and functional studies”**

**Photos of the Seminar Talk**

