

# JIWAJI UNIVERSITY, GWALIOR

## SCHOOL OF STUDIES IN CHEMISTRY



All Faculty members, Research Scholars and Students  
are cordially invited to attend-  
Extension Lecture-cum- Workshop

*on*

**X-ray Crystallography:  
Solution, Refinement and Validation**

**March 23, 2019 at 10:00 AM**

**Prof. Ray J Butcher**  
(Department of Chemistry, Howard University, USA)

**Prof. Sangeeta Shukla**

Hon'ble Vice Chancellor, Jiwaji University, Gwalior  
Will preside over the function

Venue: Seminar Hall, School of Studies in Chemistry

**Prof. Radha Tomar**  
HOD

**Prof. S. K. Gupta**  
(Convener)

## Extension Lecture-cum-Workshop on X-ray Crystallography

Venue: Seminar Hall, School of Studies in Chemistry, Jiwaji University, Gwalior

Date: 23 March 2019

### *Programme Schedule*

<b>9.00 – 10.00 AM</b>	<b>Registration</b>
<b>10.00 – 10.15</b>	<b>Welcome and opening remarks by Prof. S. K. Gupta</b>
<b>10.15 – 10.30</b>	<b>Address by Prof. Ray J Butcher, Howard University, USA</b>
<b>10.30 – 10.45</b>	<b>Address by Vice Chancellor: Prof. Sangeeta Shukla</b>
<b>10.45 – 11.00</b>	<b>Tea Break</b>
<b>11.00 – 12.00</b>	<b>Session-I: Relevance of X-ray Crystallography (Prof. Ray J Butcher)</b>
<b>12.00 – 1.00</b>	<b>Session-II: Application of X-ray Crystallography (Prof. Ray J Butcher)</b>
<b>2.00 – 3.00</b>	<b>Session-III: Overview of Crystallography Software &amp; Installation (Prof. R. J. Butcher &amp; Prof. S. K. Gupta)</b>
<b>3.00 – 5.00</b>	<b>Session IV: Solution &amp; Refinement of Sample Structures (Prof. R. J. Butcher &amp; Prof. S. K. Gupta)</b>
<b>5.00 – 5.30</b>	<b>Closing remarks followed by High Tea</b>