



**Shiv Chhatrapati Shikshan Sanstha's  
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Biotechnology**

**A) A Summary Report**

1) Title of Programme:		<b>A Lecture Series on Nobel Laureates</b> Lecture 02 : Carl Ferdinand Cori and Gerty Theresa Cori		
2) Name of Organizing Department/Unit:		Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		<b>Chair Person:</b> Dr. Mahadev Gavhane <b>Joint-Organizer:</b> Dr. A. J. Raju Prof. S. N. Shinde <b>Head:</b> Dr. S. S. Kulkarni		
4) Date(s) of the Programme:		18 <sup>th</sup> August 2021		
5) Venue/ Mode:		Online (ZOOM Platform)		
6) Target Group:		UG Students		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	00	00	00
	Non- Teaching	00	00	00
	Students	31	40	71
8) Name(s) and details of Resource Person(s), if any:		Dr. Manisha A. Dhotre, Assistant Professor, Department of Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur		
9) Total Expenditure for the Programme:		NIL		
10) Source of Funding:		Not Applicable		

## **B) Report**

### **i. Title: A Lecture Series on Nobel Laureates**

Lecture 02 : Carl Ferdinand Cori and Gerty Theresa Cori

### **ii. Introduction : -**

A person or organisation awarded the Nobel Prize is called Nobel Prize laureate. The word "laureate" refers to being signified by the laurel wreath. The Nobel Prizes are widely regarded as the most prestigious awards given for intellectual achievement in the world. Nobel Prizes are awarded annually from a fund bequeathed for that purpose by the Swedish inventor and industrialist Alfred Nobel.

The aim of organizing A Lecture Series on Nobel Laureates is to motivate students and faculty to pursue excellence, increase researcher morale, and provide students with unique and valuable feedback on their work . In this series second lecture was delivered on contribution of Nobel Laureate Carl Ferdinand Cori and Gerty by Department of Biotechnology on 18.08.2021.

### **iii. Objectives of Lecture Series on Nobel Laureates : -**

- To introduce and made familier students with Nobel Lauret in Life Science.
- To pursue excellence
- To increase researcher morale
- To provide students with unique and valuable feedback on their work

### **iv. Details of Participants**

71 Students (31 Male and 40 female) attended the Lecture.

### **v. Brief Summary Of Events / Session : -**

Dr. M. A. Dhotre , Assisstant Professor, Department of Biotechnology. Rajarshi Shahu Mahavidyalaya (Autonomous), Latur conducted a lecture on "Noble Lauraete : Carl Ferdinand Cori and Gerty Theresa Cori". She addresed in detail the contribution of Gerty and Carl Cori who received the Nobel Prize in Physiology or Medicine 1947 which was divided, one half jointly to Carl Ferdinand Cori and Gerty Theresa Cori, née Radnitz "for their discovery of the course of the catalytic conversion of glycogen and the other half to Bernardo Alberto Houssay "for his discovery of the part played by the hormone of the anterior pituitary lobe in the metabolism of sugar.

She specified that a husband-and-wife team collaborated in most of their research work on how hormones and enzymes cooperate. Carl and Gerty Cori, identified the cyclical process that muscle cells use to make and store energy, receiving the Nobel Prize in Physiology or Medicine for their work. Understanding this process of sugar

metabolism—called the Cori cycle—is particularly important for treating diabetes, a condition in which the cycle is disrupted. In 1947, after 30 years of team work, they were awarded the Medicine Prize for their research on glycogen and glucose metabolism.


The Coris' won the prestigious award for discovering the enzymes which help to convert glycogen to sugar and the reverse process through which sugar is converted to glycogen again.

**vi. Conclusion, with feedback on the Lecture :-**

A Lecture series on Nobel Laureate covered the contribution of renowned scientist which benefited the students in life sciences and helped the students to pursue excellence, increase researcher morale and provide unique and valuable feedback on their work.


**vii. Appendix : List of Participants.**

**Date : - 19/08/2021.**

  
**HOD**  
**Head**

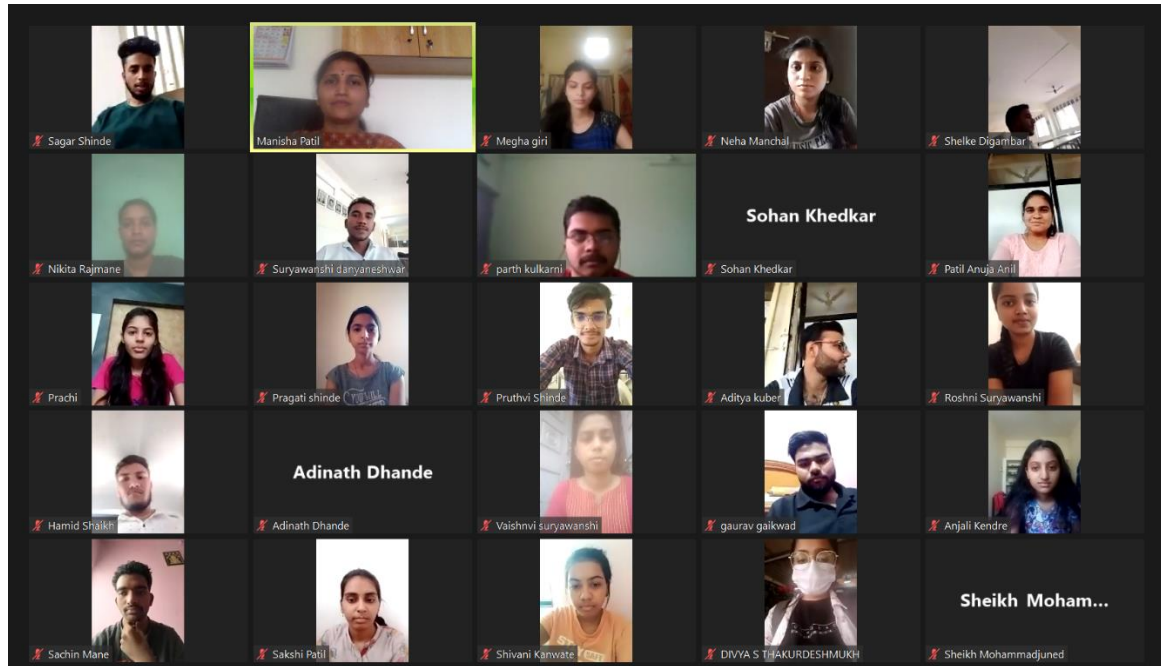
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 50



  
**Principal**  
**PRINCIPAL**  
Rajarshi Shahu Mahavidyalaya  
(Autonomous), Latur

Resource Person Dr. M.A. Dhole, Assistant Professor, Department of Biotechnology,  
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, explaining Contribution of Nobel  
Laureate Cori Ferdinand Cori and Gerty

### C) Geotagged Photographs / Screenshot : -



❑ The cori cycle is named for **Carl and Gerty Cori**.



❑ They received the noble prize in physiology or medicine in 1947 for their studies on glycogen metabolism and blood glucose regulation.

**Cori Cycle**

**Skeletal muscle**      **Blood**      **Liver**

**Resource Person Dr.M.A.Dhotre, Assistant Professor, Department of Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, explaining Contribution of Nobel Laureate Carl Ferdinand Cori and Gerty .**

**D) Broucher Prepared for the Programme: -**




**Shiv Chhatrapati Shikshan Sanstha's**  
**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Biotechnology**

<b>Chair Person:</b> Dr. M. H. Gavhane Principal	<b>Head</b> Dr. S. S. Kulkarni
<b>Chief Organizer:</b> Dr. A. J. Raju Prof. S. N. Shinde Vice- Principal	<b>Resource Person:</b> Dr. M.A.Dhotre Asst. Professor

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**A LECTURE SERIES ON NOBEL LAUREATES**  
**LECTURE 02 : CARL FERDINAND CORI AND**  
**GERTY THERESA CORI**

**Date:** 18<sup>th</sup> August 2021

  
**HOD**  
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**Principal**  
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(Autonomous)