



AQAR 2020-21

1.3 Curriculum Enrichment

1.3.2 Value Added Course Report- Chemistry



PG & RESEARCH DEPARTMENT OF CHEMISTRY
St. JOSEPH'S COLLEGE (AUTONOMOUS)
Accredited at A⁺⁺ Grade (4th cycle) by NAAC
College with Potential for Excellence by UGC
Tiruchirappalli -620002

Value Added Course –**Pharmaceutical Chemistry**
(15th February 2021-15th March 2021)

Brief Report on the Course

On 15th February 2021, Value Added Course on **Pharmaceutical Chemistry** was inaugurated by Rev. Dr. M. Xavier Arockiasamy, Principal, St. Joseph's College, in Sail Hall of St. Joseph's College, Trichy-2.

In his inaugural address, Rev.Fr. Principal highlighted the significant role of different drugs used for the human ailments. He also pointed out the need and importance of the pharmaceutical chemistry in his inaugural address to the students.

The first class was started on 16th February 2021 and introduction to drugs and terminologies of drugs were discussed. As part of the course a series of special lectures were arranged to get more exposure to the field of pharmaceutical chemistry apart from regular classes.

The first special lecture on Drugs, classification and mode of action was delivered by Prof. B. Swapna, Associate Professor, Scient Institute of Pharmacy, Hyderabad-501506, on 18.02.2021. On 22nd February 2021, Dr. T. Francis Xavier, Assistant Professor of Botany, St. Joseph's College, Trichy-2, have spoken on Indian Medicinal Plants - A Pharmacological Approach.

Dr. R. Bhuvneshwari, Assistant Professor of Zoology, AyyaNadar JanakiAmmal College, Sivakasi-626124, has delivered a special lecture on Common diseases and their treatment on 25.02.2021. Dr. A. Leo Standly, Assistant Professor of Chemistry, St. Joseph's College, Trichy-02, has delivered a special lecture on Common Poisons and their Antidotes on 03.03.2021.

On 04.03.2021, Dr. G. Sivasankari, Assistant Professor of Chemistry, Cauvery College for Women, Trichy-18, has explained the Do's and Don'ts during the First Aid processes in her special lecture.

Church Hymnal Alex ramani is presenting

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DRUGS FOR TREATING HUMAN ALIMENTS

1. Pharmaceutical Chemistry
2. Drugs
3. Healthy Diet

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Drugs for Treating Human Ailments.....

• **Types of Medicines**

| Type of Medicines | Examples |
|-------------------|---|
| Antibiotic | Medicine used to cure bacterial infections |
| Beta-blocker | Medicine used to make the heart work more slowl |
| Decongestant | Medicine that helps one to breathe more easily during lung infections |
| Diuretics | Medicine to increase the discharge of urine |

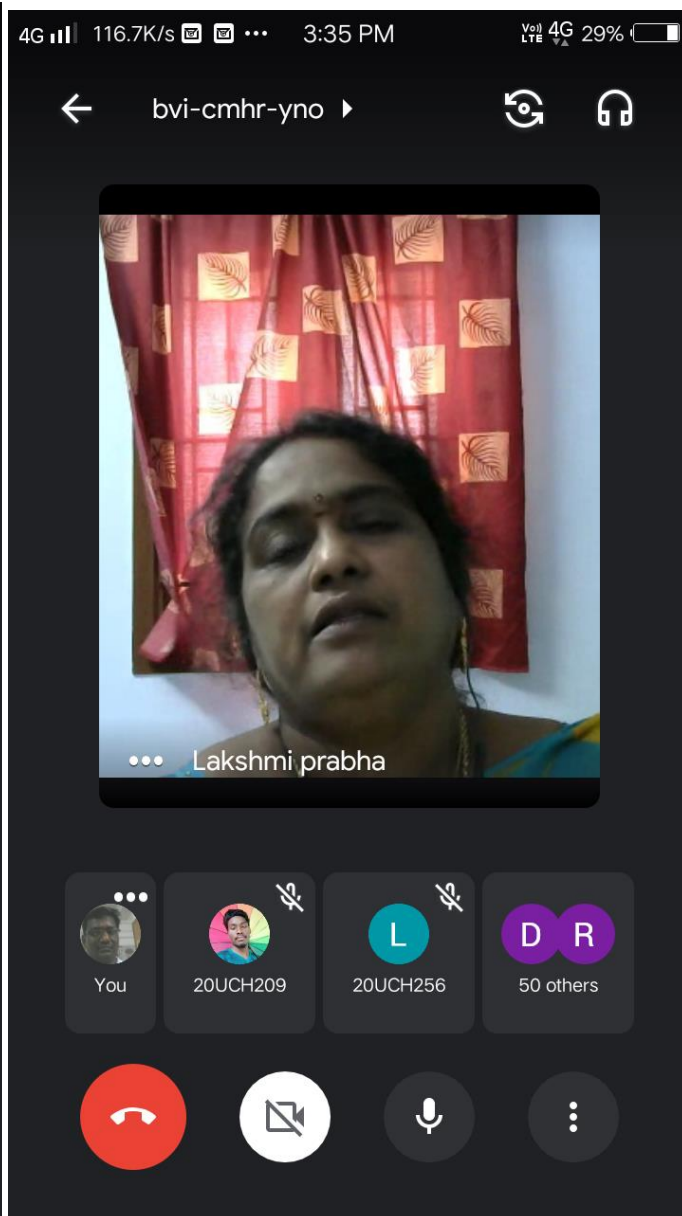
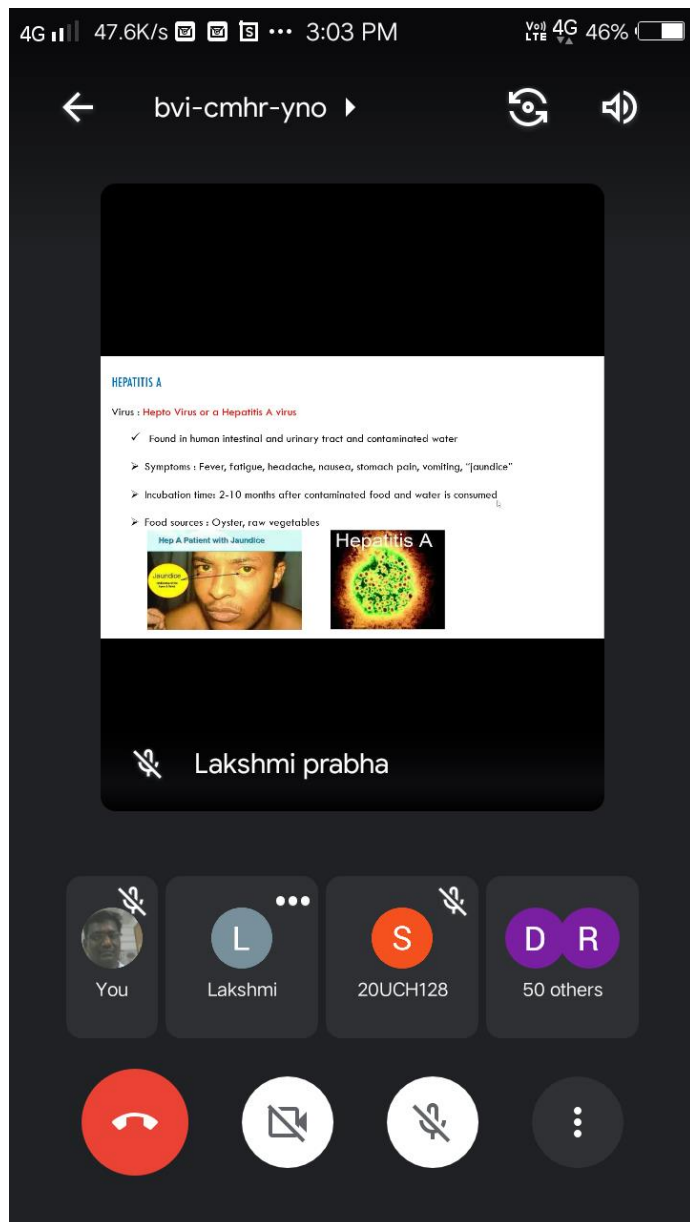
Dr V Alex Ramani, SJC

Church Hymnal Alex ramani is presenting

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Special Lecture on Drugs for Human Ailments by Dr. V. Alex Ramani. Deputy Principal & Associate Professor (Retired), Department of Chemistry., St. Joseph's College, Trichy -2, on 12.03.202

Dr. P. Lakshmi Prabha, Professor & Head Department of Chemistry, Srimathi Indira Gandhi College, Trichy-02, discussed the water borne, Air borne and food borne diseases during her special address to the students on 23.03.202.



Out of 54 registered students, 45 students of B.Sc Chemistry were able to complete the 36 hours of course duration. The course successfully conducted with the kind cooperation of the Dr. S. Joseph Selvaraj, HoD of Chemistry and Rev. Dr. M. Arcokiasamy Xavier, Principal of St. Joseph's College, Trichy-620 002.

Course Coordinators
Dr. S. Antony Sakthi
Dr. A. Leo Standly

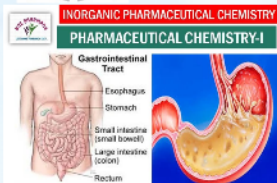
Head of Department of Chemistry
Dr. S. Joseph Selvaraj

Principal
Rev. Dr. M. Arcokiasamy Xavier



DEPARTMENT OF CHEMISTRY
ST. JOSEPH'S COLLEGE (AUTONOMOUS)

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College with Potential for Excellence by UGC
DBT-STAR & DST-FIST Sponsored College
TIRUCHIRAPPALLI-620 002.



Solicit your presence on the

Inauguration of

VALUE ADDED COURSE

Pharmaceutical Chemistry

PRESIDENTIAL ADDRESS

Rev. Dr. M. AROCKIASAMY XAVIER, SJ
PRINCIPAL

St. Joseph's College (Autonomous), Tiruchirappalli-620002

GUEST SPEAKER

Dr. A. ROSE VENIS
DEAN, IQAC

St. Joseph's College (Autonomous), Tiruchirappalli-620002

FELICITATION

Dr. S. SAHAYA SATHISH
DEAN
SCHOOL OF BIOLOGICAL SCIENCES

Venue : Room No. CH-06

Date : 15.02.2021

Time : 3.00 pm

COURSE COORDINATORS

Dr. S. ANTONY SAKTHI

Dr. A. LEO STANDLY

ALL ARE INVITED

Even Semester
15th Feb.2021-24th March 2021

Hours/Week: 30
Credit: 2

Value Added Course

PHARMACEUTICAL CHEMISTRY

Course Outcomes

Students gain knowledge on drugs and their mode of action
Students gain knowledge on poisons and corresponding antidotes.
Students know about causes of and their treatment.

Unit I: Introduction to Pharmaceutical Chemistry

Drug- Classification- terminologies

Unit II: Mechanism of Drug Action

Mechanism of Action of Drugs- Metabolism of Drugs

Unit III: First Aid

Rules of first Aid, First Aid Box, Common poisons and their Antidotes.

Unit IV: Diseases

Causes of Common diseases and their treatment- Airborne diseases- Insect borne and water borne diseases

Unit V: Clinical Chemistry

Indian medicinal plants, trees and their uses Industrial visit to any one pharmaceutical industry.

REFERENCES:

1. Jayashree Ghosh, A Text book of Pharmaceutical Chemistry, S. Chand and Co. Ltd, 1999.
 2. Ashutosh Kar, Medicinal Chemistry, Wiley Easterns Limited, New Delhi,1993.
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