

SACRED HEART COLLEGE, THEVARA

DEPARTMENT OF CHEMISTRY

MICROSCALE EXPERIMENTS IN PHYSICAL CHEMISTRY

Date: 19 January 2019, Saturday

Time : 9.30 am to 4.30 pm

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SACRED
HEART
COLLEGE
Autonomous



**DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE, THEVARA**

**TRAINING ON
MICROSCALE PHYSICAL CHEMISTRY EXPERIMENTS**



19 JANUARY 2019

9.30 AM - 4.30 PM

REPORT

The Chemistry department of Sacred Heart College organized a one-day hands-on training in microscale experiments in physical chemistry. The objective of the training programme is to acquire expertise in environment friendly microscale experiments in chemistry. The program was organized in continuation of the Department's consistent efforts to introduce new techniques for improving the efficiency and reducing the usage of chemicals in Practicals.

Inauguration:

The program was inaugurated by Principal Fr. Dr. Johnson X Palackappillil CMI. He expressed his happiness over the initiative of the department to grow more towards greener practices in chemistry. Fr. Principal congratulated the resource person Dr. Jorphin for taking effort to acquire expertise in microscale experiments.

Head of the Department Dr. K. B. Jose gave the felicitation. He urged the faculty members to devise more techniques towards microscale approaches.

Lab Sessions:

The resource person Dr. Jorphin Joseph introduced the fundamentals and principles of microscale methods in chemistry. The practical sessions were held in the MSc Physical chemistry laboratory.

In the first session Two-burette titrations is demonstrated. Two very important physical chemistry Practicals were demonstrated in the second and third sessions. Partition coefficient experiment is normally not performed in laboratories due to the excessive usage of carcinogenic chemical carbon tetrachloride. Dr. Jorphin explained the microscale approach in doing this experiment which requires only very small volume of carbon tetrachloride.

The experiment of three-component system was also demonstrated using microscale approach.

The participants were faculty from department of chemistry. Department staff secretary thanked Dr. Jorphin for his excellent lab sessions.

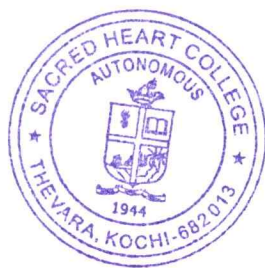
DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE (AUTONOMOUS), THEVARA


FACULTY TRAINING ON MICROSCALE PHYSICAL CHEMISTRY EXPERIMENTS

19 JANUARY 201

LIST OF PARTICIPANTS

Sl. No.	Name
1.	Dr. Franklin J
2.	Dr. Jinu George
3.	Dr. Grace Thomas
4.	Dr. Ignatious Abraham
5.	Dr. Midhun Dominic C D
6.	Senju Devassykutty
7.	Dr. June Cyriac
8.	Dr. Ramakrishnan S
9.	Dr. Abi T. G.




Dr. Johnson X Palackappillil
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