



**Seminar on  
Spectroscopy and Density Functional Theory**

*Jointly organised by*

**Indian Society of Analytical Scientists (ISAS) Kerala Chapter  
And Department of Chemistry, Union Christian College, Aluva**

**September 21<sup>st</sup> 2023**

**Programme Schedule**

Inaugural Session 9:30 am to 10:00 am

Prayer

Welcome

**: Dr. P . V . Joseph**

Adjunct Faculty Kufose and National Joint Treasurer, ISAS )

Presidential Address

**: Dr. M. I . Punnose**

Principal, Union Christian College, Aluva

Inaugural address

**: Dr. N.K. Pillai**

CEO, Kerala Enviroinfrastructure Ltd, Ambalamugal, Kochi

Felicitation

**: Dr. KK Mohammad Yusuff**

Retired Professor, CUSAT, National Vice- President ISAS

Felicitation

**: Dr. P. Unnikrishnan ,**

Vice Chairman, ISAS-K

Felicitation

**:Mrs. Minu Joys**

Head, Department of Chemistry, Union Christian College, Aluva

Vote of thanks

**: Dr. Jenish Paul (Convener)**

Department of Chemistry, Union Christian College, Aluva

**Technical session 1**

10:00 am to 11:00 am

Session Chair: Dr. S . Sugunan, Retired Professor , CUSAT

**Speaker: Dr. Yoosaf Karuvath**

Professor, Department of Applied Chemistry, CUSAT

**Topic: Raman Spectroscopy for Sensing and Diagnostics**

**Technical session 2**

11:30 am to 12:30 pm

Session Chair: Dr. S . Sugunan, Retired Professor , CUSAT

**Speaker: Dr. Sindhu Mathai**

Assistant Professor, Department of Applied Chemistry, CUSAT

**Topic: NMR Spectroscopy: Principles and Applications**

**Lunch Break 12:30pm-1:30 pm**

**Technical session 3**

1:30 pm to 2:30 pm

Session Chair: **Dr. KK Mohammad Yusuff**, Retired Professor, CUSAT, National Vice- President ISAS

**Speaker: Dr. Jayasree Elambalassery**

Professor, Department of Applied Chemistry, CUSAT

**Topic: Density Functional Theory - an efficient predictive tool for realistic systems calculations**

2:30 pm to 3:00 pm

Valedictory function and Certificate distribution