

REGISTRATION FORM

"Two days intensive workshop
on 1D & 2D NMR Spectroscopy"

20th and 21st March 2024

Registration Fees: Rs. 950/-

Name: Dr./Mr./Ms./Mrs. _____

Designation: _____

Name of the Institution: _____

Address for Correspondence: _____

Ph.No./Mobile No: _____

E-Mail ID: _____

Bank Name : **Principal KLE Pharmacy**

Bank a/c No. : **8418101084940**

Bank Name : **Canara Bank**

Branch : **Bangalore KLE society 560010**

IFSC : **CNRB0008418**

Address : **II Block, Rajajinagar.**

To

From :

Dr. Rajamma AJ

Principal

KLE College of Pharmacy

Mob : +91 9731016717

Dr. Prabhakar B Kore

Basic Science Research Centre, [BSRC] Off Campus

Rajajinagar, Bengaluru-560 010.

Ph : +080-23325611

Dr. S.S. Karki

Project Manager, BSRC

subhasskarki@gmail.com

Mobile No.: 9448017123

Book-Post



Dr. Prabhakar B Kore

Basic Science Research Centre

KLE Academy of Higher Education and Research

(Deemed to be university)

[Accredited 'A+ Grade' by NAAC (3rd Cycle)]

[Placed in 'Category A' by MoE (GOI)]

**"Two days intensive workshop
on 1D & 2D
NMR Spectroscopy"**

Dates 20th and 21st March 2024

Organized by

Dr. Prabhakar B Kore

Basic Science Research Centre [BSRC] Off Campus,

in association with

Dept. of Pharm Chemistry

KLE College of Pharmacy,

Bengaluru-560 010

Venue:

Sharada Sabhangana

KLE College of Pharmacy

P.B. No. 1062, 2nd Block, Rajajinagar,

Bengaluru-560 010, Karnataka.

[Link for Registration:](https://forms.gle/93M7PFoDEy3KyDe58)

<https://forms.gle/93M7PFoDEy3KyDe58>

Payment Barcode



Registration Bar Code



ORGANIZING COMMITTEE

Mrs. Dimple Pirgal

Dr. Priyanka Kamaria

Mrs. Shilpa Murthy

Mrs. Suma

Ms. Priyanka Tiwari

for Accomodation Contact: **9964922315**

Dear Colleagues / Friends

Nuclear magnetic resonance spectroscopy, most commonly known as NMR spectroscopy, is a research technique that exploits the magnetic properties of certain atomic nuclei. It relies on the phenomenon of nuclear magnetic resonance and can provide detailed information about the structure, dynamics, reaction state, and chemical environment of molecules.

Suitable samples range from small compounds analyzed with 1-dimensional proton or carbon-13 NMR spectroscopy to large proteins or nucleic acids using 3 or 4-dimensional techniques. The impact of NMR spectroscopy on the sciences has been substantial because of the range of information and the diversity of samples, including solutions and solids.

With developments in both methodology and instrumentation in the past two decades, NMR has become one of the most powerful and versatile spectroscopic techniques for the analysis of biomacromolecules, allowing characterization of biomacromolecules and their complexes up to 100 kDa.

Together with X-ray crystallography, NMR spectroscopy is one of the two leading technologies for the structure determination of biomacromolecules at atomic resolution. In addition, NMR provides unique and important molecular motional and interaction profiles containing pivotal information on protein function.

We request you to encourage your staff / students to register for the workshop.

PROGRAMME SCHEDULE

20th March 2024

Time	Programme
9 – 10 am	Registration
10 – 11 am	NMR: Concepts, Chemical shifts and J couplings Prof. N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
11 – 11.15 am	TEA BREAK
11.15 – 12.15 pm	Analysis of 1D 1H NMR Spectra Prof. N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
12.15 - 1 pm	Nuclear Magnetic Resonance Spectroscopy (NMR) as Pharma Analytical tool M Vincent Raja and Team CEO, Transzend Scientific Pvt. Ltd, Bengaluru
1 – 2 pm	LUNCH BREAK
2 – 2.45 pm	13C NMR Spectroscopy Prof.N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
2.45 – 3.30pm	Bruker NMR Instrumentation Dr. Anil Kumar P.G. Senior Sales Manager and Application Scientist, Bruker India
3.30 – 3.45 pm	TEA BREAK
3.45 – 4.30 pm	Bruker Software products overview Dr. Chandrashekhara N. Lead, Application Scientist & Head of Bruker Academy, Bruker India

21st March 2024

Time	Programme
10 – 11 am	Analysis of NMR spectra of Heteronuclei Prof. N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
11 – 12 pm	Two Dimensional NMR Prof. N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
12 – 12.15 pm	TEA BREAK
12.15 – 1 pm	Analysis of COSY, TOCSY, HSQC Spectra Prof. N. Suryaprakash CSIR Emeritus Scientist, SSCU, IISc, Bengaluru
1 – 2 pm	LUNCH BREAK
2 – 3 pm	Quantitative NMR for Drug Analysis Dr. Srinivas L Poojari JEOL India
3 – 4 pm	Interpretation of some compounds by NMR Dr. Subhas S Karki Professor and Head, KLE College of Pharmacy, Bengaluru

ABOUT US

Dr. Prabhakar B Kore Basic Science Research Centre off Campus Bengaluru [BSRC]: In order to augment the research activities, KAHER established a premier research center in the name of our Honorable Chancellor - DR. PRABHAKAR B KORE.

The research center is engaged in basic research with state-of-the-art facilities. The key areas are Molecular Biology, Medicinal Chemistry, Molecular Modeling, Instrumentation Analysis and Natural Product Research.

VISION

To become a force to be reckoned with, in the field of research and create motivated individuals to engage in basic research by providing advanced research skills through scientifically designed programmes.

MISSION

Research with tangible outcomes

- To promote awareness and importance of basic research in our University.
- To provide infrastructure relevant to research programmes and sustain quality research through tangible outcomes.
- To develop and sustain new generation of researchers to keep up the synergy.
- To perform creative research work and produce good quality publications.
- To engage in ethical research work through good laboratory practices

Ultimately, our desired outcome is to ensure and improve the reputation of KLE through progressive growth.