



Service Charges for NMR Spectral Measurements

DST funded this facility through the FIST Phase-II programme. At present, the facility has Bruker Avance NEO 400 MHz FT-NMR (Multinuclear) spectrometer for internal and external use. The instrument has the following features

MODEL: Bruker Avance Onebay 400 MHz FT-NMR SPECTROMETER.

Probe: 5 mm **multinuclear i-probes** for solution studies. The NMR Probe is switchable between the high-frequency range (¹H, ¹⁹F) and broadband frequency range (¹³C, ¹⁵N, ²⁷Al, ³¹P, ²⁹Si etc.).

Software: Bruker Topspin4

Solvent	Nuclei	External Samples	
		Academic Samples (Per sample per Nucleus) Rs.	Industry (Per sample per Nucleus) Rs.
CDCl ₃	¹ H, ¹⁹ F, ³¹ P, ¹³ C	275	750
DMSO-D ₆	¹ H, ¹⁹ F, ³¹ P, ¹³ C	350	800
D ₂ O	¹ H, ¹⁹ F, ³¹ P, ¹³ C	325	800
CD ₃ OD	¹ H, ¹⁹ F, ³¹ P, ¹³ C	450	900
Other nuclei, DEPT, HMBC. 2D and Special Experiments		500 (per sample per experiment)	1000 (per sample per experiment)

Sample submission: Sample must be submitted either through post/ courier or in person along with duly completed requisition form and payment details.

Sample requirement: Kindly make sure that your sample (10 mg for ¹H, ¹⁹F, ³¹P NMR and 30 mg for ¹³C, ¹⁵N NMR) is soluble in 0.5 mL of required solvent completely (clear solution at room temperature)

Mode of Payment: Refer to "Service Requisition Form"

Staff in-charges Contact:

Dr. P. Suresh, Dept. of Natural Products Chemistry (9790296673)

Dr. S. Sivakumar, Dept. of Organic Chemistry (9715452858)

Dr. A. Siva, Dept. of Inorganic Chemistry (8489120875)



Madurai Kamaraj University
(Re-accredited by NAAC with A⁺⁺ Grade in the 4th Cycle)
School of Chemistry
DST-FIST 400 MHz NMR Facility



External Sample Analysis Requisition Form

SR No.:

I. User Information

Name :
Address :

Date :
Mobile No.:

E-mail ID:

II. Sample Information:

S. No.	*Sample code	*Solvent (should soluble at room temp)	*Nucleus to be studied	Special Experiments (if any)	Plotting Spectral Range in ppm (if any)
1					
2					
3					
4					
5					

*Structure (if known): Please mention in the back side of this service request form. 2. Please specify if these samples are hazardous (corrosive/explosive/radioactive, etc.). If so, specify the appropriate handling instructions.

III. Payment Details:

1. Online Credited into State Bank of India, M K University Branch A/c No : **10143136547**

IFSC: SBIN0002235; Account name: **SOC Instruments Maintenance**

2. Total Amount Paid Rs.

3. Online Transaction Ref. No. Date:
(Attach the copy of online transition receipt)

4. The receipt to be in the name of

I declare that these analyses are carried out for academic research purpose only. (If industry sample, please strike out this)

Signature of the Supervisor

Signature of the User

Seal

For Office Use:

No. of Samples Analyzed:	Samples Received on:
Payment Received on:	Spectrum Analyzed By:
Spectrum Send on:	Spectrum Sent By: