

## **Major instrument facilities at IMTECH and Revised Instrument run charges:-**

| Name of the Instrument   | Name of the Scientists   | Supporting staff                            | Charges                                      |   |  |
|--|--|---|--|---|--|
|  |  |   | IMTECH/<br>CSIR Labs *                       | Government Organizations /<br>Educational Institutes ** | Private Labs **                              |
| <b>Confocal Microscope</b>   | Dr. Manoj Raje<br>Dr. Pradip Sen<br>Dr. Pawan Gupta                  | Mr. Deepak Bhatt<br>Ms. Anjali Kaundal      | <b>Rs. 250/hour</b>                          | <b>Rs. 1000/hour</b>                                    | <b>Rs. 2000/hour</b>                         |
| <b>Electron Microscopes</b><br>(a) SEM<br>(b) TEM                                  | Dr. Manoj Raje<br>Dr. Krishan Gopal                                  | Mr. Anil Theophilious<br>Mr. Randeep Sharma | <b>Rs. 6000/ day</b><br>(half day permitted) | <b>Rs. 25000/ day</b><br>(half day permitted)           | <b>Case to case basis</b>                    |
| <b>Atomic Force and Scanning Tunneling Microscope</b>                              | Dr. Deepak Sharma<br>Mr. Rishabh Verma                               | Mr. Rishabh Verma<br>Mr. Surjeet Singh      | <b>Rs. 350/sample</b>                        | <b>Rs. 750/sample</b>                                   | <b>Rs. 1500/sample</b>                       |
| <b>Automated Force Spectroscope</b>  | Dr. Deepak Sharma<br>Mr. Rishabh Verma                               | Mr. Surjeet Singh                           | <b>Rs. 350/sample</b>                        | <b>Rs. 750/sample</b>                                   | <b>Rs. 1500/sample</b>                       |
| <b>Fluorescence Activated Cell sorter</b><br>(a) Cell sorter<br>(b) Flow cytometer | Dr. Pawan Gupta<br>Dr. Pradip Sen<br>Dr. Rashmi Kumar<br>Dr. Ashwani | Ms. Anjali Koundal<br>Mr. Deepak Bhatt      | <b>Rs. 300/hour</b><br><b>Rs. 200/hour</b>   | <b>Rs. 600/hour</b><br><b>Rs. 400/hour</b>              | <b>Rs. 2000/hour</b><br><b>Rs. 1000/hour</b> |
| <b>DNA Sequencer(s)</b>  | Dr. Dibyendu Sarkar<br>Dr. Pawan Gupta                               | Mr. Deepak Bhatt<br>Mr. Sumit Mittal        | <b>Rs. 200/sample</b>                        | <b>Rs. 300/sample</b>                                   | <b>Rs. 600/sample</b>                        |
| <b>Molecular Imaging Workstation</b>   | Dr. Dibyendu Sarkar<br>Dr. Pradip Sen                                | Mr. Surjeet                                 | <b>Rs. 150/sample</b>                        | <b>Rs. 200/sample</b>                                   | <b>Rs. 400/sample</b>                        |
| <b>Amino Acid Analyzer</b>   | Dr. Ashish Ganguli<br>Dr. Karthikeyan Subramanian                    | Mrs. Paramjit Kaur<br>Ms. Neha Rana         | <b>Rs. 4500/sample</b>                       | <b>Rs. 7500/sample</b>                                  | <b>Rs. 15000/sample</b>                      |

| Peptide/organic synthesis facility                      | Dr. Ashish Ganguli<br>Dr. Raman Prakesh<br>Dr. S. Kumaran                           | Mr. Sameer                                  | Synthesis Scale (mg)  | Set-up and Work-up Fee [includes 3 residues]         | Each additional Residue up to 20 residues   | Each Additional Residue after 20 residues   | Semi-prep HPLC                          | Over Head Cost                             |
|---|---|---|---|--|---|---|---|--|
|   |   |   | 0-10  | 5000   | 500   | 700   | 1000                                    | 10%  |
|   |   |   | 11-50   | 12000  | 1200  | 1400  | 1600                                    | 10%  |
|   |   |   | 51-100  | 15000  | 1800  | 2000  | 2000                                    | 10%  |
|   |   |   | 101-250   | 20000  | 2400  | 2600  | 2500                                    | 10%  |
| Mass Spectrometer GC-MS/MS                              | Dr. Hemraj S. Nandanwar<br>Mr. Mohit Paul<br>Dr. Karthikeyan Subramanian            | Mr. Vineet Kumar                            | <b>MS: Rs. 500/sample GC/MS:<br/>Rs. 1000/sample GC MS/MS:<br/>Rs. 1500/sample Method Development:<br/>Rs. 500/hour extra</b> |  | <b>MS: Rs. 1000/sample GC/MS:<br/>Rs. 1500/sample GC MS/MS:<br/>Rs. 2500/sample<br/>Rs. 100 per peak extra for Library search<br/>Column changing charges:<br/>Rs. 2500/- extra</b> | <b>MS: Rs. 2000/sample GC/MS:<br/>Rs. 3000/sample GC MS/MS:<br/>Rs. 5000/sample<br/>Rs. 200 per peak extra for Library search<br/>Column changing charges:<br/>Rs. 5000/- extra</b> |   |  |
| Mass Spetrometer (LC-MS/MS)                             | Dr. Alka Rao<br>Dr. Pawan Gupta<br>Dr. Karthikeyan Subramanian<br>Dr. Raman Prakesh | Ms. Bhumika Vaidya<br>Ms. Sharanjeet Kaur   | <b>Intact Mass:<br/>Rs. 750/sample</b>  | <b>MS/MS Analysis:<br/>Rs. 1500/sample</b>           | <b>Intact Mass:<br/>Rs. 1500/sample</b>   | <b>MS/MS Analysis: Rs. 4000/sample</b>  | <b>Intact Mass:<br/>Rs. 3000/sample</b> | <b>MS/MS Analysis:<br/>Rs. 8000/sample</b> |
| Mass Spetrometer (MALDI-TOF/TOF)                        | Dr. Alka Rao<br>Dr. Pawan Gupta<br>Dr. Karthikeyan Subramanian<br>Dr. Raman Prakesh | Ms. Sharanjeet Kaur<br>Ms. Bhumika Vaidya   | <b>Intact Mass: Rs. 500/sample</b>  | <b>MS/MS Analysis:<br/>Rs. 1000/sample</b>           | <b>Intact Mass: Rs. 1500/sample</b>   | <b>MS/MS Analysis: Rs. 4000/sample</b>  | <b>Intact Mass:<br/>Rs. 3000/sample</b> | <b>MS/MS Analysis:<br/>Rs. 8000/sample</b> |
| Macromolecular Crystallography Unit                     | Dr. Karthikeyan Subramanian<br>Dr. Krishan Gopal<br>Dr. S. Kumaran                  | Mr. Surinder Singh                          | <b>Rs. 500/day</b>  |  | <b>Rs. 1000/day</b>   |   | <b>Rs. 2000/day</b>                     |  |
| Dynamic Light Scattering system<br>(a) Size<br>(b) Zeta | Dr. Ashish Ganguli<br>Mr Rishabh Verma  | Mr. Shashi Dhar                             | <b>Size: Rs. 200/sample<br/>Zeta: Rs. 400/sample</b>  | <b>Size: Rs. 400/sample<br/>Zeta: Rs. 800/sample</b> | <b>Size: Rs. 600/sample<br/>Zeta: Rs. 1200/sample</b>   |   |   |  |
| NMR Spectrometer  | Dr. Raman Prakesh<br>Dr. Ashish Ganguli   | Mr. Chander Prakash<br>Mr. Ganesh Lal Meena | <b>Rs. 500/sample</b>   |  | <b>Rs. 1000/sample</b>  |   | <b>Rs. 2000/sample</b>                  |  |
| Isothermal Titration Colorimetry (Auto-ITC)             | Dr. Krishan Gopal<br>Dr. Ashish Ganguli   | Mr. Digvijay                                | <b>Rs. 100/hour</b>   |  | <b>Rs. 250/hour</b>   |   | <b>Rs. 500/hour</b>                     |  |

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|--|---|---|---|--|---|
| <b>TGA/DSC</b>   | Mr. Rishabh Verma   | Mr. Shashi Dhar<br>Mr. Anurag Kashyap         | <b>Rs. 400/sample</b>   | <b>Rs. 800/sample</b>  | <b>Rs. 1500/sample</b>  |
| <b>FT-IR</b>   | Dr. Ashish Ganguli  | Mr. Anurag Kashyap<br>Mr. Shashi Dhar         | <b>Rs. 400/sample</b>   | <b>Rs. 800/sample</b>  | <b>Rs. 1200/sample</b>  |
| <b>Differential scanning Calorimetry</b>               | Dr. Deepak Sharma<br>Dr. Beena Krishnan<br>Dr. S. Kumaran | Mr. Digvijay                                  | <b>Rs. 150/hour</b>   | <b>Rs. 300/hour</b>  | <b>Rs. 600/hour</b>   |
| <b>LN<sub>2</sub> Plant</b>                            | Dr. Shrinivasan Krishnamurthi                             | Mr. Upender<br>Mr. Malkit Singh<br>Mr. Ramesh | <b>Rs. 30/litre</b>   | <b>Rs. 40/litre</b>  | <b>Rs. 50/litre</b>   |
| <b>Analytical Ultracentrifuge</b>                      | Dr. S. Kumaran<br>Dr. Deepak Sharma<br>Dr. Beena Krishnan | Mr. Digvijay                                  | <b>Velocity Experiment:<br/>Rs. 150/hour<br/>Equilibrium Expt.:<br/>Rs. 500/day</b> | <b>Velocity Experiment:<br/>Rs. 300/hour<br/>Equilibrium Expt.:<br/>Rs. 1000/day</b> | <b>Velocity Experiment:<br/>Rs. 1000/hour<br/>Equilibrium Expt.:<br/>Rs. 4000/day</b> |
| <b>Whole Body Imager for Small Animals</b>             | Dr. Pawan Gupta<br>Dr. Neeraj Khatri<br>Dr. Ashwani Kumar | Mr. R. Dass<br>Ms. Anjali Kaundal             | <b>Rs. 500/hour</b>   | <b>Rs. 1000/hour</b>   | <b>Rs. 2000/hour</b>  |
| <b>BIACORE</b>   | Mr. Rishabh Verma<br>Mr. Mohit Paul                       | Ms. Anjali Koundal                            | <b>Rs. 1000/sample</b>  | <b>Rs. 1500/sample</b>   | <b>Rs. 3000/sample</b>  |
| <b>Sophisticated Flourimeters</b>                      | Dr. Beena Krishnan<br>Dr. S. Kumaran                      | ----  | <b>Rs. 100/hour</b>   | <b>Rs. 200/hour</b>  | <b>Rs. 500/hour</b>   |
| <b>Rapid kinetics instrument (BioLogic SFM 400F/Q)</b> | Dr. Beena Krishnan<br>Dr. S. Kumaran<br>Dr. Krishan Gopal | ----  | <b>Rs 200/hour</b>  | <b>Rs 500/hour</b>   | <b>Rs 1000/hour</b>   |
| <b>JASCO spectropolarimeter (CD)</b>                   | Dr. Beena Krishnan<br>Dr. S. Kumaran<br>Dr. Krishan Gopal | Mr. Digvijay Singh                            | <b>Rs 200/sample</b>  | <b>Rs 400/sample</b>   | <b>Rs 800/sample</b>  |
| <b>Akta Protein Purification System</b>                | Dr. Krishan Gopal<br>Dr. S. Kumaran<br>Dr. D.K. Sahoo     | ----  | <b>Rs. 200/day</b>  | <b>Rs. 500/day</b>   | <b>Rs. 1000/day</b>   |

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|---|--|------|--|--|--|
| <b>HPLC</b>                                   | Dr. Ashish Ganguli<br>Dr. Suresh Korpole<br>Dr. Raman Prakesh<br>Dr. Hemraj S. Nandanwar               | ---- | <b>Rs. 400/sample</b>                    | <b>Rs. 800/sample</b>                    | <b>Rs. 1500/sample</b>                   |
| <b>Preparative HPLC</b>                       | Dr. Ashish Ganguli<br>Dr. Suresh Korpole<br>Dr. Raman Prakesh<br>Dr. Hemraj S. Nandanwar               | ---- | <b>Rs. 300/hour</b>                      | <b>Rs. 600/hour</b>                      | <b>Rs. 1200/hour</b>                     |
| <b>Next generation Sequencer</b>              | Dr. P. Anil Kumar<br>Dr. Prabhu B. Patil   | ---- | <b>Rs. 0.6 lakh per bacterial genome</b> | <b>Rs. 1.0 lakh per bacterial genome</b> | <b>Rs. 1.5 lakh per bacterial genome</b> |
| <b>In-silico</b>                              | Dr. Srikrishna Subramanian<br>Dr. Balvinder Singh<br>Dr. Ashish Ganguli                                | ---- | <b>Rs. 7000 per annum per user</b>       | <b>Rs. 5000 per month per user</b>       | <b>Rs. 10000 per month per user</b>      |
| <b>Small Angle X-ray Scattering</b>           | Dr. Ashish Ganguli<br>Dr. Karthikeyan Subramanian<br>Dr. Deepak Sharma                                 | ---- | <b>Rs. 250/hour</b>                      | <b>Rs. 500/hour</b>                      | <b>Rs. 5000/hour</b>                     |
| <b>Fermentation and downstream processing</b> | Dr. D.K. Sahoo<br>Mr. Anirban Roy Choudhury<br>Mr. E. Senthil Prasad<br>Dr. Mani Shankar Bhattachayaya | ---- | <b>#</b>                                 | <b>Case to case basis</b>                | <b>Case to case basis</b>                |

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- The rate of carrying out fermentation batches in Lab Scale Fermenters (Autoclavable) would be Rs. 5000/- per day for maximum 2 days.
- Only fermentation facility (including utilities like air, chilled water, steam etc.) would be provided during the batch.
- Media components, oxygen etc. would be on user side. This rate is only for in-house projects/IMT Scientists.
- Rates of in-situ sterilizable fermenters ( $\geq 15L$ ) would be decided on case to case basis.
- Continuous monitoring of fermenter will be done by user.
- All prior conditions to be provided by the user.

\* GST exempted for IMTECH/CSIR Labs.

**\*\* NOTE:**

These charges are the minimum charges on per sample or per hour basis and only integral multiple of hour/samples are permitted.

Please add GST (Goods and Services Tax) in the above rate list for outside users (other than IMTECH/ CSIR Labs). Users have to pay GST as applicable with Instrument usage charges.

Service charges are payable in advance by crossed bank draft in favour of “**Director, Institute of Microbial Technology, Chandigarh**”, Payable at Chandigarh.

These charges are only the usage charges on the instrument and should not include analysis part. Data analysis/interpretation will be normally done by user. In special cases data analysis/interpretation service can be provided on payment of extra charges on case to case basis.

For taking samples back, please inform to particular lab or mention in your form. Kindly collect your samples at the time of collecting your report. Samples which are not collected within a week from the date of report collected/sample analysis will be disposed of immediately without any further notice.

Instrument operating conditions will be provided by user, otherwise standard operating procedure will be followed for data acquisition.

Radioactive and explosive materials should be clearly mentioned and handed over personally.

Analytical data/ spectra will be provided either in printed or in digital format as applicable. CD/Printable charges may be extra. Data will be archive for 30 days from date of acquisition and will not be available to user after that period.

The analytical data/spectra are provided only for research/ development purposes. These cannot be used as certificates in legal disputes.

In all correspondence related to analysis our reference number must be mentioned.

You can also request for an appointment on an instrument and fix the same in consultation with the respective facility or their incharge for your sample analysis.

Samples are to be submitted or brought along on the date of your appointment for your sample analysis.

The facility timings are from 9.00 am to 5.30 pm. The Facility is closed on Saturday, Sunday and Government Holidays.

All the communication should be addressed to:

**Head ISD**

CSIR-IMTECH

Chandigarh-160036

E-mail: [isd@imtech.res.in](mailto:isd@imtech.res.in)