**Internal/External Charges for Use of the Equipment in the**

**Center for Research in Energy and Environment (CREE)**

**Phone: (573) 341-6908 E-mail:** **cree@mst.edu**

**Effective August 25th, 2025**

The Center for Research in Energy and Environment (CREE) has a large variety of research equipment that is available for use by Missouri S&T faculty, staff, and students. For internal users (i.e., those users who pay via a Missouri S&T MoCode), the equipment charges are based on the costs incurred by CREE and are in accordance with the Missouri University policy and the Office of Management and Budget (OMB) Circular A-21, “Cost Principles for Education Institutions”. External users are charged for supplies, equipment depreciation, and operator salary via a pre-arrenged non-university use of university Equipment, facilities, and resources contract.

Missouri S&T faculty, staff, and students wanting to use this equipment should contact the person listed below. Special scheduling arrangements can often be made to fit unique circumstances.

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| **Contact Information** |
| **Dr. Fatih Dogan**DirectorPhone: (573) 341-7130doganf@mst.edu | **Denise Wann**Administrative AssociatePhone: (573) 341-6908denise@mst.edu |
| **Dr. Mauricio Espinal-Ruiz**Senior ScientistPhone: (573) 341-4838mespinalruiz@mst.edu | **Ninu Madria**Senior Research Lab TechnicianPhone: (573) 341-6248madriani@mst.edu |

**Center for Research in Energy and Environment (CREE)**

**Equipment Use Charges**

***Charges Billed to MoCode Account***

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| **Instrument** | **Hourly Rates****Except for MilliQ Water System (Rates per Liter)** |
| **Internal Use Rate****(Assisted)** | **Internal Use Rate****(Unassisted)** | **External Use Rate** |
| Freeze Dryer | $2.28 | $2.07 | $3.67 |
| TOC | $33.41 | $11.10 | $51.45 |
| ZetaSizer | $31.62 | $21.04 | $49.95 |
| HS-SPME-GC-FID/ECD | $35.21 | $13.50 | $54.44 |
| GC-MS | $32.45 | $27.02 | $51.92 |
| HS-SPME-GC-MS | $33.41 | $11.10 | $51.45 |
| HPLC-UV | $32.45 | $27.02 | $51.92 |
| IC | $48.51 | $27.66 | $74.36 |
| LC-QTOF-MS | $80.48 | $54.43 | $121.72 |
| MALDI-TOF-MS Imaging | $135.18 | $111.13 | $271.60 |
| Microwave-Assisted Digestor | $39.42 | $26.03 | $62.33 |
| ICP-OES | $40.46 | $20.38 | $61.89 |
| ICP-QQQ-MS | $112.23 | $86.18 | $169.34 |
| LA-ICP-QQQ-MS | $169.86 | $143.80 | $255.79 |
| MilliQ Water System (USD $/L) | $2.28 | $2.07 | $3.67 |

**Important Notes on Fee Structure:**

1. This rate will be charged for the entire time the instrument is being used, which includes initial tests to optimize method parameters.
2. Method development will be charged. However, post-processing of acquired data will not be charged.
3. Please note that materials, chemicals, and other consumables required will need to be supplied by the user.