

Resource Summary Report

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Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility

RRID:SCR_027922

Type: Tool

Proper Citation

Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility (RRID:SCR_027922)

Resource Information

URL: <https://www.i2at.msstate.edu/>

Proper Citation: Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility (RRID:SCR_027922)

Description: Core provides access to advanced imaging and analytical instrumentation, expert technical support, hands-on training, and collaborative project support. Services include high-resolution imaging through Scanning Electron Microscopy (SEM) and Transmission Electron Microscopy (TEM) to examine surface features, internal structures, microstructures, nanoparticles, biological specimens, and engineered materials at micro- to nanoscale resolution; X-Ray Diffraction (XRD) for phase determination and crystallographic analysis; Atomic Force Microscopy (AFM) for nanoscale surface characterization. Provides solid analyzer and rheometer for evaluating material properties and behavior. Specialized sample preparation services include polishing, ultramicrotomy, sputter coating, and other preparation techniques needed for microscopy and materials analysis. Individualized, non-credit instruction is available for instrument operation and sample prep techniques. Offers expert support with sample preparation, data acquisition, sample analysis, troubleshooting, and preparation of results for reports, proposals, presentations, and publications.

Synonyms: , Imaging and Analytical Technologies (I2AT), Institute for Imaging and Analytical Technologies

Resource Type: access service resource, core facility, service resource

Keywords: ABRF, microscopy, imaging, surface imaging, instrumentation, materials analysis,

Availability: Open

Resource Name: Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility

Resource ID: SCR_027922

Alternate IDs: ABRF_5766

Alternate URLs: https://coremarketplace.org/RRID:SCR_027922/

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Ratings and Alerts

No rating or validation information has been found for Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility.

No alerts have been found for Mississippi State University Institute for Imaging and Analytical Technologies I2AT Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.