

Mr. M. Ilaiyaraja, Technical Officer-B



Qualifications

B. Tech. (Mechanical Engineering)

Experience

15 years experienced in developing sintered SiC for structural applications, coated SiC components using CVD for optical applications. Development of SiC tube as a substrate for solar thermal applications operation and mechanical maintenance of various high tech large size equipment including CVD, sintering furnace, CIP and vacuum hot press.

Expertise in mechanical design and drafting of complex components using various CAD/CAM software. Also, expertise design and fabrication of flexible rubber mold for cold isostatic pressing large size complex parts.

Research area of interest

Development of boride, carbide, and nitride based non oxide ceramics for structural, optical and solar applications and mechanical design.

Publications

S. Mubina, M. Ilaiyaraja, AK Khanra, BP Saha, Fabrication and microstructure analysis of continuous C fibers reinforced SiC-CNFs hybrid composite tubes, Materials and Manufacturing Processes 36 (2021), 292-300

Contact information

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