

Third Laureate Research & Development

Materials, Metallurgy and New Energies

Scientific Committee

Research Work Title

Research and Production of Special Ceramics (Silicon Carbide)



Executive Organization

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Representative

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Collaborators

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Abstract

The properties of advanced ceramics such as stiffness, melting temperature, strength, Young's modulus and high corrosion resistance as well as low-density have resulted in rapid replacement of ceramic materials instead the metallic ones in some high-tech products. Production of protective shields against different sorts of powerful projectiles is one of the applications of these new materials which are largely produced. Since powder availability is a vital prerequisite for ceramic segment production, good efforts have been made to develop the know-how on SiC powder production as the main powder.

