

International Journal of

Materials Engineering Innovation

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Scope of the Journal

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IJMatEI highlights research and development into recent advances in composites, ceramics, functionally graded materials, cellular materials and ecomaterials. It covers all aspects of modern materials engineering, including preparation and processing, relationships between structure (nano/micro) and properties (physical, chemical, mechanical, thermal, electrical and magnetic), as well as performance and technological applications for advanced industry. New concepts for preparing, assembling and functionalisation of materials inspired by nature, or radically new approaches to improve existing processes and reliability of materials, are encouraged.



Topics covered include:

- Composites (MMCs, PMCs, CMCs, hybrids, etc)
- Ceramics, glasses and glass-ceramics
- Functionally graded materials (FMGs)
- Diamond and related materials
- Cellular materials
- Bioinspired materials
- Ecomaterials
- Nano/microstructures, materials properties
- Analysis of mechanical/thermal stress fields in materials
- Multi-scale manufacture with advanced materials
- Materials research, renewable energies
- Recycling of materials and industrial wastes
- Artificial intelligence techniques

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