

Tentative Outline

Special Thematic Issue for the journal Current Materials Science

Title of the Thematic Issue: "Developments of laminated Metal matrix composites"

Guest Editors: Dr. Mohammad Heydari Vini and Dr. Saeed Daneshmand

- **Scope of the Thematic Issue:**

All submitted manuscripts will undergo a full peer review process. Areas of interest include but are not limited to:

- New fabrication processes of laminated metal matrix composites
- Finite element study on metal matrix composites
- Theoretical and Experimental analysis of metal matrix composites
- Interdisciplinary Applications of laminated metal matrix composites
- Wear resistance of metal matrix composites
- Corrosion of metal matrix composites
- Study on the tribology behavior of metal matrix composites
- Forming capability of laminated composites
- Fracture mechanics in laminated metal matrix composites

Keywords: Metal matrix composites, laminated composites Property, Synthesis, Microstructure, Corrosion, Nano composites, Wear resistance

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Theoretical investigation of composite fabrication process
- Industrial application of laminated metal matrix composites
- Fabrication of laminated composites from waste materials
- Fabrication of FGM laminated metal matrix composites

Tentative titles of the articles:

- Fabrication of laminated metal matrix composite via powder metallurgy
- Wear resistance of laminated metal matrix composites
- Analytical model for bonding of composite layers
- Investigation on the bonding strength of composite layers
- Thermodynamic analysis of metal matrix composites fabricated via accumulative press bonding
- Tribology behavior of laminated metal matrix composites reinforced with alumina particles

Schedule:

- ✧ Thematic issue submission deadline: **30 September 2022**

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