



# CALL FOR PAPERS

**ICEMPT 2022**  
**Apr 29-30, 2022**  
**Jerusalem, Israel**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICEMPT 2022 : International Conference on Electromagnetic Material Processing Technologies is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Electromagnetic Material Processing Technologies. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Fundamental of EPM, MHD, theory and modeling  
Induction heating, plasma processing and heat treatment  
Electromagnetic melting  
Particle removal/addition; stirring, braking, vibration  
EM shaping or forming, mixing, magnetic or EM levitation  
Liquid metal processing: steel, aluminum, titanium, copper, magnesium  
Solidification, crystal growth under external fields, EM casting

Advanced materials processing in static or alternating magnetic field  
Other processes under external fields, electrochemistry, magnetic, electric, electrostatic, microwaves  
Measuring techniques in liquid metal flows and nondestructive control/wireless energy transfer  
Equipment for EPM, EM pumps, EM brakes, EM stirrers, power sources  
Low electrical conductivity liquid processing, oxides, glasses, electrolytes  
Recycling by EM/magnetic processes