Special Issue on Material Heat Treatment Process

Call for Papers

Heat treatment is a process or a combination of processes to treat metallic components. The components, commonly made of steel(s), are temporarily heated to specific temperatures. Taking into account the rate of heating and cooling, the material properties of a component can be altered and improved. The presence of certain agents can lead to changes in the carbon or nitrogen content of the component. In all heat treatment processes, there are several decisive and important factors: Time (heating and holding time), temperature, atmosphere, and quenching or cooling conditions. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of material heat treatment process.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore material heat treatment process. In this special issue, potential topics include, but are not limited to:

- Metal heat treatment
- Non-metallic heat treatment
- Process control for heat treating metals
- Heat Treatment Simulation
- Effect of heat treatment on mechanical properties
- Heat treatment applications

Authors should read over the journal’s For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal’s Paper Submission System.

Please kindly specify the “Special Issue” under your manuscript title. The research field “Special Issue – Material Heat Treatment Process” should be selected during your submission.

Special Issue timetable:

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<th>Submission Deadline</th>
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Guest Editor:

For further questions or inquiries
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